**MEPS HC-168I:**

**Appendix to MEPS 2014 Event Files**

**HC-168A - HC-168H**

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**Agency for Healthcare Research and Quality**

**Center for Financing, Access, and Cost Trends**

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A. Data Use Agreement

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

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

1. No one is to use the data in this data set in any way except for statistical reporting and analysis; and
2. If the identity of any person or establishment should be discovered inadvertently, then (a) no use will be made of this knowledge, (b) the Director Office of Management AHRQ will be advised of this incident, (c) the information that would identify any individual or establishment will be safeguarded or destroyed, as requested by AHRQ, and (d) no one else will be informed of the discovered identity; and
3. No one will attempt to link this data set with individually identifiable records from any data sets other than the Medical Expenditure Panel Survey or the National Health Interview Survey.

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

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

B. Background

# 1.0 Household Component

The Medical Expenditure Panel Survey (MEPS) provides nationally representative estimates of health care use, expenditures, sources of payment, and health insurance coverage for the U.S. civilian non-institutionalized 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 non-institutionalized population and reflects an oversample of Blacks and Hispanics. In 2006, the NHIS implemented a new sample design, which included Asian persons in addition to households with Black and Hispanic persons in the oversampling of minority populations. The linkage of the MEPS to the previous year’s NHIS provides additional data for longitudinal analytic purposes.

# 2.0 Medical Provider Component

Upon completion of the household CAPI interview and obtaining permission from the household survey respondents, a sample of medical providers are contacted by telephone to obtain information that household respondents can not accurately provide. This part of the MEPS is called the Medical Provider Component (MPC) and information is collected on dates of visit, 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 date filled and sources and amounts of payment. The MPC is not designed to yield national estimates. It is primarily used as an imputation source to supplement/replace household reported expenditure information.

# 3.0 Survey Management and Data Collection

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

As soon as data collection and editing are completed, the MEPS survey data are released to the public in staged releases of summary reports, micro data files, and tables via the MEPS Web site: [meps.ahrq.gov](http://www.meps.ahrq.gov/). Selected data can be analyzed through MEPSnet, an on-line interactive tool designed to give data users the capability to statistically analyze MEPS data in a menu-driven environment.

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

C. Technical and Programming Information

# 1.0 General Information

This documentation describes the MEPS Public Use Release HC-168I, which is the Appendix to MEPS releases HC-168A through HC-168H. This release contains two data files, both of which are provided in ASCII (with related SAS,SPSS, and Stata programming statements and data user information) and SAS versions: 1) the condition-event link file; and 2) the prescribed medicines-event link file. Also included in this release is a PDF file of the condition-event frequency table. Note that, as of 2008, Table 2, a utilization and expenditures summary table, is no longer available.

This documentation offers a brief overview of the content and structure of the files and the accompanying codebook. It contains the following sections:

Data File Information

Merging/Linking MEPS Data Files

Crosswalk of Clinical Classification Codes to ICD-9-CM Codes

Sample SAS Jobs for Linking

For more information on MEPS HC survey design see T. Ezzati-Rice, et al., 1998-2007 and   
S. Cohen, 1996. For information on the MEPS MPC design, see S. Cohen, 1998. These reports, along with a copy of the survey instruments used to collect the information on this file, are available on the MEPS Web site at the following address: [meps.ahrq.gov](http://www.meps.ahrq.gov/).

# 2.0 Data File Information

This public use data set consists of two data files containing variables for linkage of the MEPS 2014 event-level data files. File 1, the H168IF1 or CLNK file, is used for linking the MEPS Conditions file with the MEPS event files; File 2, the H168IF2 or RXLK file, is used for linking the MEPS prescribed medicines event file with other MEPS event files.

The CLNK file contains 6 variables and has a logical record length of 59 with an additional   
2-byte carriage return/line feed at the end of each record. The RXLK file contains 6 variables and has a logical record length of 59 with an additional 2-byte carriage return/line feed at the end of each record.

## 2.1 Codebook Format

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

|  |  |
| --- | --- |
| **Identifier** | **Description** |
| Name | Variable name (maximum of 8 characters) |
| Description | Variable descriptor (maximum 40 characters) |
| 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 |

## 2.2 Variable Naming and Source

In general, variable names reflect the content of the variable, with an 8 character limitation. All variables contained on Files 1 and 2 were derived from the CAPI.

## 2.3 Contents of File 1: Condition-Event Link File (CLNK)

File 1 (H168IF1) or the CLNK file, contains the variables needed to link each record on the MEPS 2014 Conditions file, HC-170, with one or more records on the MEPS 2014 event files, HC-168A, and HC-168D through HC-168H. Section 3.0 contains additional information on completing this linkage.

The 8-character variable DUPERSID uniquely identifies each person represented on the file. There may be more than one record on the CLNK file for a specific DUPERSID value.

CONDIDX is the ID that uniquely identifies each condition for a person and corresponds to a unique record on the MEPS 2014 Conditions file, HC-170. There may be more than one record on the CLNK file for a specific CONDIDX value.

EVNTIDX is the 12-digit number that uniquely identifies each event for a person and corresponds to a unique record on one of the MEPS 2014 event files, HC-168B through   
HC-168H. (EVNTIDX is not included on the 2014 Prescribed Medicines event file, HC-168A; rather, on this file the variable for linking with EVNTIDX on the CLNK file is LINKIDX.) There may be more than one record on the CLNK file for a specific EVNTIDX value.

CLNKIDX is the 24-digit number that uniquely identifies each record on the CLNK file and is the combination of CONDIDX + EVNTIDX. There is just one record on this file for each value of CLNKIDX, i.e., each unique combination of CONDIDX + EVNTIDX.

The variable EVENTYPE indicates the type of event record identified by EVNTIDX, and has the following values:

1 = MVIS – office-based medical provider visit event contained on MEPS release HC-168G

2 = OPAT – outpatient department visit event contained on MEPS release HC-168F

3 = EROM – emergency room visit event contained on MEPS release HC-168E

4 = STAZ – inpatient hospital stay event contained on MEPS release HC-168D

7 = HVIS – home health visit event contained on MEPS release HC-168H

8 = PMED – prescribed medicines event contained on MEPS release HC-168A

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 18 or Panel 19.

## 2.4 Contents of File 2: Prescribed Medicines-Event Link File (RXLK)

File 2 (H168IF2) or the RXLK file, contains the variables needed to link each record on the MEPS 2014 Prescribed Medicines file, HC-168A, with one or more records on the MEPS 2014 event files, HC-168B and HC-168D through HC-168G. Section 3.0 contains additional information on completing this linkage.

The 8-character variable DUPERSID uniquely identifies each person represented on the file. There may be more than one record on the RXLK file for a specific DUPERSID value.

EVNTIDX is the 12-digit number that uniquely identifies each event for a person and corresponds to a unique record on one of the MEPS 2014 event files, HC-168B through   
HC-168G. There may be more than one record on the RXLK file for a specific EVNTIDX value.

LINKIDX is the 12-digit number that identifies the record(s) on the prescribed medicines file, HC-168A that link to an event record. There may be more than one record on the RXLK file for a specific LINKIDX value, and there may be more than one record on the HC-168A file for a specific LINKIDX value.

RXLKIDX is the 24-digit number that uniquely identifies each record on the RXLK file, and is the combination of EVNTIDX + LINKIDX. There is just one record on this file for each value of RXLKIDX, i.e., each unique combination of EVNTIDX + LINKIDX.

The variable EVENTYPE indicates the type of event record identified by EVNTIDX, and has the following values:

1 = MVIS – office-based medical provider visit event contained on MEPS release HC-168G

2 = OPAT – outpatient department visit event contained on MEPS release HC-168F

3 = EROM – emergency room visit event contained on MEPS release HC-168E

4 = STAZ – inpatient hospital stay event contained on MEPS release HC-168D

5 = DVIS – dental visit event contained on MEPS release HC-168B

For 1996-2004, records for purchases of insulin and diabetic supplies in a round were included in the Other Medical Expenses event files. Beginning with the 2005 file, these records are not included in the Other Medical Expenses file because the expenditures have always been included in the Prescribed Medicines file. As a consequence, there are no records in this file where the variable EVENTYPE = 6, the value used in 1996-2004 to identify OMED type of event record.

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 18 or Panel 19.

## 2.5 2014 Condition-Event Frequency Table

Table 1 contains the MEPS 2014 Condition-Event Frequency table. This table contains unweighted and weighted counts of records on the MEPS 2014 event files, HC-168A through HC-168H, for each of the condition, procedure, and clinical classification codes contained on the MEPS 2014 Conditions file, HC-170. Attachment 1 contains a crosswalk of the clinical classification codes to ICD-9-CM codes.

Analysts should use the clinical classification codes listed in the Conditions PUF document   
(HC-170) and the Appendix to the Event Files (HC-168I) document when analyzing MEPS conditions data. Although there is a list of clinical classification codes and labels on the Healthcare Cost and Utilization Project (HCUP) Web site, if updates to these codes and/or labels are made on the HCUP Web site after the release of the 2014 MEPS PUFs, these updates will not be reflected in the 2014 MEPS data.

Note that, through FY2012 for conditions related to certain medical events, the ICD-9-CM codes on the Conditions file were also released in the Prescribed Medicines, Emergency Room Visits, Office-based Medical Provider Visits, Outpatient Department Visits, and Inpatient Hospital Stays Event Files. Starting in FY2013, ICD-9-CM condition and procedure codes variables were released only on the Conditions file. For more information on ICD-9-CM codes, see the HC-170 documentation.

# 3.0 Merging/Linking MEPS Data Files

This section provides information on using each of the two HC-168I files, RXLK and CLNK, to link with the files contained in MEPS releases HC-170 and HC-168A through HC-168H. The linking procedure is described using several examples of deriving MEPS-based estimates. Also included in this section are several caveats related to using the RXLK and CLNK files.

## 3.1 Example A: Using the CLNK (HC-168IF1) and RXLK (HC-168IF2) Files with the Medical Conditions File (HC-170), the Prescribed Medicines and Office-Based Medical Provider Visits Event Files (HC-168A and HC-168G)

This example calculates the total expenditures for prescribed medicines associated with office-based medical provider visits for asthma, using these files: the Conditions file (HC-170), the CLNK file (HC-168IF1), the office-based medical provider visit event file (HC-168G), the RXLK file (HC-168IF2), and the prescribed medicines event file (HC-168A). It includes the following major steps:

1. From HC-170 file, select only records with condition coded as asthma.
2. Use the CLNK file to obtain unique record IDs of events which are linked to each of the selected asthma condition records.
3. From the HC-168G file, select only records for non-telephone office-based medical provider visits for persons with a positive weight.
4. Using the selected record IDs obtained from the CLNK file, with the selected   
   HC-168G records, identify only those visits which were for asthma.
5. Use the RXLK file with the selected visit records which were for asthma to obtain unique record IDs of prescribed medicine records from file HC-168A linked to those visits.
6. Using these record IDs, obtain the linked records from the HC-168A file and calculate the weighted mean of the expenditure variable.

Attachment 2 contains a copy of the SAS job for this example.

## 3.2 Example B: Using the CLNK File (HC-168IF1) with the Medical Conditions File (HC-170) and the Prescribed Medicines Event File (HC-168A)

This example calculates the total expenditure for prescribed medicines associated with asthma, using the Conditions file (HC-170), the CLNK file (HC-168IF1) and the prescribed medicines event file (HC-168A). It includes the following major steps:

1. From HC-170 file, select only records with condition coded as asthma.
2. Use the CLNK file to obtain unique record IDs of events which are linked to each of the asthma condition records.
3. Using these record IDs, obtain linked records from the HC-168A file and calculate the weighted mean of the expenditure variable.

Attachment 2 contains a copy of the SAS job for this example.

## 3.3 Example C: Using the CLNK File (HC-168IF1) with the Medical Conditions File (HC-170) and Office-Based Medical Provider Visits Event File (HC-168G)

This example calculates the total expenditures for office-based medical provider visits associated with asthma, using the Conditions file (HC-170), the CLNK file (HC-168IF1) and the office-based medical provider visits event file (HC-168G). It includes the following major steps:

1. From HC-170 file, select only records with condition coded as asthma.
2. Use the CLNK file to obtain unique record IDs of events which are linked to each of the asthma condition records.
3. From the HC-168G file, select only records for non-telephone office-based medical provider visits for persons with a positive weight.
4. Using the selected record IDs obtained from the CLNK file, with the selected HC-168G records, identify only those visits which were for asthma and calculate the weighted mean of the expenditure variable.

Attachment 2 contains a copy of the SAS job for this example.

## 3.4 Limitations/Caveats of the CLNK File

When using the CLNK file, analysts should keep in mind that (1) conditions are self-reported and (2) there may be multiple conditions associated with an event. Users should also note that not all events link to the Conditions file.

## 3.5 Limitations/Caveats of the RXLK File

When using the RXLK file, analysts should keep in mind that one event record can link to more than one prescribed medicine record. Conversely, a prescribed medicine record may link to more than one event record in the same event file and/or more than one event record in other event files. When this occurs, it is up to the analyst to determine how the prescribed medicine expenditures should be allocated among those medical events.

## 3.6 National Health Interview Survey

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 obtaining MEPS/NHIS link files please see [meps.ahrq.gov/data\_stats/more\_info\_download\_data\_files.jsp](http://meps.ahrq.gov/mepsweb/data_stats/more_info_download_data_files.jsp).

## 3.7 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, it is important to consider a variety of factors when examining trends over time using MEPS. Statistical significance tests should be conducted to assess the likelihood that observed trends may be attributable to sampling variation. The length of time being analyzed should also be considered. 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 MEPS survey methodology. For example, as a result of improved methods for collecting priority conditions data implemented in 2007, prevalence measures prior to 2007 are not comparable to those from 2007 and beyond for many conditions. Users should refer to the documentation for the conditions file (HC-170) for details.

With respect to methodological considerations, in 2013 MEPS introduced an effort to obtain more complete information about health care utilization from MEPS respondents with full implementation in early 2014. This effort likely resulted in improved data quality and a reduction in underreporting in 2014, but could have some modest impact on analyses involving trends in utilization across years.

There are also statistical factors to consider in interpreting trend analyses. Looking at changes over longer periods of time can provide a more complete picture of underlying trends. Analysts may wish to consider using techniques to smooth or stabilize analyses of trends using MEPS data such as comparing pooled time periods (e.g. 1996-97 versus 2013-14), 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, 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.

## 3.8 Longitudinal Analysis

Panel-specific longitudinal files are available for downloading in the data section of the MEPS Web site. 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 bythat panel.

Attachment 1:

Clinical Classification Code to ICD-9-CM Code Crosswalk

**Appendix A - Clinical Classification Software-DIAGNOSES (January 1980 through September 2014)**

The following tables list the ICD-9-CM condition and V codes that have been aggregated for each clinical classification category. These clinical classification categories were generated using Clinical Classification Software provided on the Healthcare Cost and Utilization Project (HCUP) website. For each clinical classification category, one or more ICD-9-CM and/or V code is listed.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **Tuberculosis** | | | | | | | | | | | |
|  | 01000 | 01001 | 01002 | 01003 | 01004 | 01005 | 01006 | 01010 | 01011 | 01012 | 01013 | 01014 |
|  | 01015 | 01016 | 01080 | 01081 | 01082 | 01083 | 01084 | 01085 | 01086 | 01090 | 01091 | 01092 |
|  | 01093 | 01094 | 01095 | 01096 | 01100 | 01101 | 01102 | 01103 | 01104 | 01105 | 01106 | 01110 |
|  | 01111 | 01112 | 01113 | 01114 | 01115 | 01116 | 01120 | 01121 | 01122 | 01123 | 01124 | 01125 |
|  | 01126 | 01130 | 01131 | 01132 | 01133 | 01134 | 01135 | 01136 | 01140 | 01141 | 01142 | 01143 |
|  | 01144 | 01145 | 01146 | 01150 | 01151 | 01152 | 01153 | 01154 | 01155 | 01156 | 01160 | 01161 |
|  | 01162 | 01163 | 01164 | 01165 | 01166 | 01170 | 01171 | 01172 | 01173 | 01174 | 01175 | 01176 |
|  | 01180 | 01181 | 01182 | 01183 | 01184 | 01185 | 01186 | 01190 | 01191 | 01192 | 01193 | 01194 |
|  | 01195 | 01196 | 01200 | 01201 | 01202 | 01203 | 01204 | 01205 | 01206 | 01210 | 01211 | 01212 |
|  | 01213 | 01214 | 01215 | 01216 | 01220 | 01221 | 01222 | 01223 | 01224 | 01225 | 01226 | 01230 |
|  | 01231 | 01232 | 01233 | 01234 | 01235 | 01236 | 01280 | 01281 | 01282 | 01283 | 01284 | 01285 |
|  | 01286 | 01300 | 01301 | 01302 | 01303 | 01304 | 01305 | 01306 | 01310 | 01311 | 01312 | 01313 |
|  | 01314 | 01315 | 01316 | 01320 | 01321 | 01322 | 01323 | 01324 | 01325 | 01326 | 01330 | 01331 |
|  | 01332 | 01333 | 01334 | 01335 | 01336 | 01340 | 01341 | 01342 | 01343 | 01344 | 01345 | 01346 |
|  | 01350 | 01351 | 01352 | 01353 | 01354 | 01355 | 01356 | 01360 | 01361 | 01362 | 01363 | 01364 |
|  | 01365 | 01366 | 01380 | 01381 | 01382 | 01383 | 01384 | 01385 | 01386 | 01390 | 01391 | 01392 |
|  | 01393 | 01394 | 01395 | 01396 | 01400 | 01401 | 01402 | 01403 | 01404 | 01405 | 01406 | 01480 |
|  | 01481 | 01482 | 01483 | 01484 | 01485 | 01486 | 01500 | 01501 | 01502 | 01503 | 01504 | 01505 |
|  | 01506 | 01510 | 01511 | 01512 | 01513 | 01514 | 01515 | 01516 | 01520 | 01521 | 01522 | 01523 |
|  | 01524 | 01525 | 01526 | 01550 | 01551 | 01552 | 01553 | 01554 | 01555 | 01556 | 01560 | 01561 |
|  | 01562 | 01563 | 01564 | 01565 | 01566 | 01570 | 01571 | 01572 | 01573 | 01574 | 01575 | 01576 |
|  | 01580 | 01581 | 01582 | 01583 | 01584 | 01585 | 01586 | 01590 | 01591 | 01592 | 01593 | 01594 |
|  | 01595 | 01596 | 01600 | 01601 | 01602 | 01603 | 01604 | 01605 | 01606 | 01610 | 01611 | 01612 |
|  | 01613 | 01614 | 01615 | 01616 | 01620 | 01621 | 01622 | 01623 | 01624 | 01625 | 01626 | 01630 |
|  | 01631 | 01632 | 01633 | 01634 | 01635 | 01636 | 01640 | 01641 | 01642 | 01643 | 01644 | 01645 |
|  | 01646 | 01650 | 01651 | 01652 | 01653 | 01654 | 01655 | 01656 | 01660 | 01661 | 01662 | 01663 |
|  | 01664 | 01665 | 01666 | 01670 | 01671 | 01672 | 01673 | 01674 | 01675 | 01676 | 01690 | 01691 |
|  | 01692 | 01693 | 01694 | 01695 | 01696 | 01700 | 01701 | 01702 | 01703 | 01704 | 01705 | 01706 |
|  | 01710 | 01711 | 01712 | 01713 | 01714 | 01715 | 01716 | 01720 | 01721 | 01722 | 01723 | 01724 |
|  | 01725 | 01726 | 01730 | 01731 | 01732 | 01733 | 01734 | 01735 | 01736 | 01740 | 01741 | 01742 |
|  | 01743 | 01744 | 01745 | 01746 | 01750 | 01751 | 01752 | 01753 | 01754 | 01755 | 01756 | 01760 |
|  | 01761 | 01762 | 01763 | 01764 | 01765 | 01766 | 01770 | 01771 | 01772 | 01773 | 01774 | 01775 |
|  | 01776 | 01780 | 01781 | 01782 | 01783 | 01784 | 01785 | 01786 | 01790 | 01791 | 01792 | 01793 |
|  | 01794 | 01795 | 01796 | 01800 | 01801 | 01802 | 01803 | 01804 | 01805 | 01806 | 01880 | 01881 |
|  | 01882 | 01883 | 01884 | 01885 | 01886 | 01890 | 01891 | 01892 | 01893 | 01894 | 01895 | 01896 |
|  | 1370 | 1371 | 1372 | 1373 | 1374 | V1201 |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2** | **Septicemia (except in labor)** | | | | | | | | | | | | | |
|  | 0031 | 0202 | | 0223 | | 0362 | 0380 | 0381 | 03810 | 03811 | 03812 | 03819 | 0382 | 0383 |
|  | 03840 | 03841 | | 03842 | | 03843 | 03844 | 03849 | 0388 | 0389 | 449 | 0545 | 77181 | 7907 |
|  | 99591 | 99592 | |  | |  |  |  |  |  |  |  |  |  |
| **3** | **Bacterial infection; unspecified site** | | | | | | | | | | | | | |
|  | 0200 | | 0208 | | 0209 | 0218 | 0219 | 0228 | 0229 | 0230 | 0231 | 0232 | 0233 | 0238 |
|  | 0239 | | 024 | | 025 | 0260 | 0269 | 0270 | 0271 | 0272 | 0278 | 0279 | 0300 | 0301 |
|  | 0302 | | 0303 | | 0308 | 0309 | 0312 | 0318 | 0319 | 03289 | 0329 | 0330 | 0331 | 0338 |
|  | 0339 | | 0341 | | 0363 | 03681 | 03689 | 0369 | 037 | 0392 | 0393 | 0394 | 0398 | 0399 |
|  | 0400 | | 0401 | | 0402 | 0403 | 04042 | 04081 | 04082 | 04089 | 0410 | 04100 | 04101 | 04102 |
|  | 04103 | | 04104 | | 04105 | 04109 | 0411 | 04110 | 04111 | 04112 | 04119 | 0412 | 0413 | 04142 |
|  | 04143 | | 0415 | | 0416 | 0417 | 0418 | 04181 | 04182 | 04183 | 04184 | 04185 | 04186 | 04189 |
|  | 0419 | | 390 | | 3929 | 7953 | 79531 | 79539 | V090 | V091 | V092 | V093 | V094 | V0950 |
|  | V0951 | | V096 | | V097 | V0971 | V0980 | V0981 | V0990 | V0991 |  |  |  |  |

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| **4** | **Mycoses** | | | | | | | | | | | |
|  | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1108 | 1109 | 1110 | 1111 | 1112 |
|  | 1113 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1125 | 11282 | 11284 | 11285 | 11289 |
|  | 1129 | 1141 | 1143 | 1149 | 11500 | 11509 | 11510 | 11519 | 11590 | 11599 | 1160 | 1161 |
|  | 1162 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 118 |

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| **5** | **HIV infection** | | | | | | | | | | | |
|  | 042 | 0420 | 0421 | 0422 | 0429 | 0430 | 0431 | 0432 | 0433 | 0439 | 0440 | 0449 |
|  | 07953 | 27910 | 27919 | 79571 | 7958 | V08 |  |  |  |  |  |  |

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| **6** | **Hepatitis** | | | | | | | | | | | |
|  | 0700 | 0701 | 0702 | 07020 | 07021 | 07022 | 07023 | 0703 | 07030 | 07031 | 07032 | 07033 |
|  | 0704 | 07041 | 07042 | 07043 | 07044 | 07049 | 0705 | 07051 | 07052 | 07053 | 07054 | 07059 |
|  | 0706 | 07070 | 07071 | 0709 | 07271 | 57140 | 57141 | 57142 | 57149 | 5731 | 5732 | 5733 |

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| **7** | **Viral infection** | | | | | | | | | | | |
|  | 0500 | 0501 | 0502 | 0509 | 0510 | 05101 | 05102 | 0511 | 0512 | 0519 | 0527 | 0528 |
|  | 0529 | 05310 | 05311 | 05312 | 05313 | 05319 | 05371 | 05379 | 0538 | 0539 | 0540 | 05410 |
|  | 05411 | 05412 | 05413 | 05419 | 0542 | 0546 | 05471 | 05473 | 05479 | 0548 | 0549 | 05579 |
|  | 0558 | 0559 | 05600 | 05609 | 05679 | 0568 | 0569 | 0570 | 0578 | 0579 | 05810 | 05811 |
|  | 05812 | 05881 | 05882 | 05889 | 05900 | 05901 | 05909 | 05910 | 05911 | 05912 | 05919 | 05920 |
|  | 05921 | 05922 | 0598 | 0599 | 0600 | 0601 | 0609 | 061 | 0650 | 0651 | 0652 | 0653 |
|  | 0654 | 0658 | 0659 | 0660 | 0661 | 0663 | 0664 | 06640 | 06642 | 06649 | 0668 | 0669 |
|  | 071 | 0720 | 0723 | 07272 | 07279 | 0728 | 0729 | 0737 | 0738 | 0739 | 0740 | 0741 |
|  | 0743 | 0748 | 075 | 0780 | 0781 | 07810 | 07811 | 07812 | 07819 | 0782 | 0783 | 0784 |
|  | 0785 | 0786 | 0787 | 07881 | 07882 | 07888 | 07889 | 0790 | 0791 | 0792 | 0793 | 0794 |
|  | 07950 | 07951 | 07952 | 07959 | 0796 | 0798 | 07981 | 07982 | 07983 | 07988 | 07989 | 0799 |
|  | 07998 | 07999 | 7908 |  |  |  |  |  |  |  |  |  |

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| **8** | **Other infections; including parasitic** | | | | | | | | | | | |
|  | 080 | 0810 | 0811 | 0812 | 0819 | 0820 | 0821 | 0822 | 0823 | 08240 | 08241 | 08249 |
|  | 0828 | 0829 | 0831 | 0832 | 0838 | 0839 | 0840 | 0841 | 0842 | 0843 | 0844 | 0845 |
|  | 0846 | 0847 | 0848 | 0849 | 0850 | 0851 | 0852 | 0853 | 0854 | 0855 | 0859 | 0860 |
|  | 0861 | 0862 | 0863 | 0864 | 0865 | 0869 | 0870 | 0871 | 0879 | 0880 | 0888 | 08881 |
|  | 08882 | 08889 | 0889 | 1000 | 10089 | 1009 | 101 | 1020 | 1021 | 1022 | 1023 | 1024 |
|  | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1039 | 1040 | 1048 |
|  | 1049 | 1200 | 1201 | 1202 | 1203 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 |
|  | 1215 | 1216 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | 1227 |
|  | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1238 | 1239 | 124 |
|  | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1259 | 1260 | 1261 | 1262 |
|  | 1263 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 |
|  | 1279 | 1280 | 1281 | 1288 | 1289 | 129 | 1305 | 1307 | 1308 | 1309 | 13100 | 13101 |
|  | 13102 | 13103 | 13109 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1329 | 1330 | 1338 |
|  | 1339 | 1340 | 1341 | 1342 | 1348 | 1349 | 135 | 1360 | 1361 | 1362 | 13621 | 13629 |
|  | 1364 | 1365 | 1368 | 1369 | 1398 | V120 | V1200 | V1203 | V1204 | V1209 |  |  |

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| **9** | **Sexually transmitted infections (not HIV or hepatitis)** | | | | | | | | | | | |
|  | 0900 | 0901 | 0902 | 0903 | 09040 | 09041 | 09042 | 09049 | 0905 | 0906 | 0907 | 0909 |
|  | 0910 | 0911 | 0912 | 0913 | 0914 | 09150 | 09151 | 09152 | 09161 | 09162 | 09169 | 0917 |
|  | 09181 | 09182 | 09189 | 0919 | 0920 | 0929 | 0930 | 0931 | 09320 | 09321 | 09322 | 09323 |
|  | 09324 | 09381 | 09382 | 09389 | 0939 | 0940 | 0941 | 0942 | 0943 | 09481 | 09482 | 09483 |
|  | 09484 | 09485 | 09486 | 09487 | 09489 | 0949 | 0950 | 0951 | 0952 | 0953 | 0954 | 0955 |
|  | 0956 | 0957 | 0958 | 0959 | 096 | 0970 | 0971 | 0979 | 0980 | 09810 | 09811 | 09812 |
|  | 09813 | 09814 | 09815 | 09816 | 09817 | 09819 | 0982 | 09830 | 09831 | 09832 | 09833 | 09834 |
|  | 09835 | 09836 | 09837 | 09839 | 09840 | 09841 | 09842 | 09843 | 09849 | 09850 | 09851 | 09852 |
|  | 09853 | 09859 | 0986 | 0987 | 09881 | 09882 | 09883 | 09884 | 09885 | 09886 | 09889 | 0990 |
|  | 0991 | 0992 | 0993 | 0994 | 09940 | 09941 | 09949 | 09950 | 09951 | 09952 | 09953 | 09954 |
|  | 09955 | 09956 | 09959 | 0998 | 0999 | 79505 | 79515 | 79519 | 79675 | 79679 |  |  |

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| **10** | **Immunizations and screening for infectious disease** | | | | | | | | | | | |
|  | 79551 | 79552 | 7956 | 79579 | V010 | V011 | V012 | V013 | V014 | V015 | V016 | V017 |
|  | V0171 | V0179 | V018 | V0181 | V0182 | V0183 | V0184 | V0189 | V019 | V020 | V021 | V022 |
|  | V023 | V024 | V025 | V0251 | V0252 | V0253 | V0254 | V0259 | V026 | V0260 | V0261 | V0262 |
|  | V0269 | V027 | V028 | V029 | V030 | V031 | V032 | V033 | V034 | V035 | V036 | V037 |
|  | V038 | V0381 | V0382 | V0389 | V039 | V040 | V041 | V042 | V043 | V044 | V045 | V046 |
|  | V047 | V048 | V0481 | V0482 | V0489 | V050 | V051 | V052 | V053 | V054 | V058 | V059 |
|  | V060 | V061 | V062 | V063 | V064 | V065 | V066 | V068 | V069 | V286 | V712 | V7182 |
|  | V7183 | V731 | V732 | V733 | V734 | V735 | V736 | V738 | V7381 | V7388 | V7389 | V739 |
|  | V7398 | V730 | V7399 | V740 | V741 | V742 | V743 | V744 | V745 | V746 | V748 | V749 |
|  | V750 | V751 | V752 | V753 | V754 | V755 | V756 | V757 | V758 | V759 |  |  |

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| **11** | **Cancer of head and neck** | | | | | | | | | | | |
|  | 1400 | 1401 | 1403 | 1404 | 1405 | 1406 | 1408 | 1409 | 1410 | 1411 | 1412 | 1413 |
|  | 1414 | 1415 | 1416 | 1418 | 1419 | 1420 | 1421 | 1422 | 1428 | 1429 | 1430 | 1431 |
|  | 1438 | 1439 | 1440 | 1441 | 1448 | 1449 | 1450 | 1451 | 1452 | 1453 | 1454 | 1455 |
|  | 1456 | 1458 | 1459 | 1460 | 1461 | 1462 | 1463 | 1464 | 1465 | 1466 | 1467 | 1468 |
|  | 1469 | 1470 | 1471 | 1472 | 1473 | 1478 | 1479 | 1480 | 1481 | 1482 | 1483 | 1488 |
|  | 1489 | 1490 | 1491 | 1498 | 1499 | 1600 | 1601 | 1602 | 1603 | 1604 | 1605 | 1608 |
|  | 1609 | 1610 | 1611 | 1612 | 1613 | 1618 | 1619 | 1950 | 2300 | 2310 | V1001 | V1002 |
|  | V1021 |  |  |  |  |  |  |  |  |  |  |  |

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| **12** | **Cancer of esophagus** | | | | | | | | | | | |
|  | 1500 | 1501 | 1502 | 1503 | 1504 | 1505 | 1508 | 1509 | 2301 | V1003 |  |  |

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| **13** | **Cancer of stomach** | | | | | | | | | | | |
|  | 1510 | 1511 | 1512 | 1513 | 1514 | 1515 | 1516 | 1518 | 1519 | 20923 | 2302 | V1004 |

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| **14** | **Cancer of colon** | | | | | | | | | | | |
|  | 1530 | 1531 | 1532 | 1533 | 1534 | 1535 | 1536 | 1537 | 1538 | 1539 | 1590 | 20910 |
|  | 20911 | 20912 | 20913 | 20914 | 20915 | 20916 | 2303 | V1005 |  |  |  |  |

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| **15** | **Cancer of rectum and anus** | | | | | | | | | | | |
|  | 1540 | 1541 | 1542 | 1543 | 1548 | 20917 | 2304 | 2305 | 2306 | 79670 | 79671 | 79672 |
|  | 79673 | 79674 | 79676 | V1006 |  |  |  |  |  |  |  |  |

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| **16** | **Cancer of liver and intrahepatic bile duct** | | | | | | | | | | | |
|  | 1550 | 1551 | 1552 | 2308 | V1007 |  |  |  |  |  |  |  |

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| **17** | **Cancer of pancreas** | | | | | | | | | | | |
|  | 1570 | 1571 | 1572 | 1573 | 1574 | 1578 | 1579 |  |  |  |  |  |

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| **18** | **Cancer of other GI organs; peritoneum** | | | | | | | | | | | |
|  | 1520 | 1521 | 1522 | 1523 | 1528 | 1529 | 1560 | 1561 | 1562 | 1568 | 1569 | 1580 |
|  | 1588 | 1589 | 1591 | 1598 | 1599 | 20900 | 20901 | 20902 | 20903 | 2307 | 2309 | V1000 |
|  | V1009 |  |  |  |  |  |  |  |  |  |  |  |

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| **19** | **Cancer of bronchus; lung** | | | | | | | | | | | |
|  | 1622 | 1623 | 1624 | 1625 | 1628 | 1629 | 20921 | 2312 | V1011 |  |  |  |

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| **20** | **Cancer; other respiratory and intrathoracic** | | | | | | | | | | | |
|  | 1620 | 1630 | 1631 | 1638 | 1639 | 1650 | 1658 | 1659 | 2311 | 2318 | 2319 | V1012 |
|  | V1020 | V1022 |  |  |  |  |  |  |  |  |  |  |

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| **21** | **Cancer of bone and connective tissue** | | | | | | | | | | | |
|  | 1700 | 1701 | 1702 | 1703 | 1704 | 1705 | 1706 | 1707 | 1708 | 1709 | 1710 | 1712 |
|  | 1713 | 1714 | 1715 | 1716 | 1717 | 1718 | 1719 |  |  |  |  |  |

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| **22** | **Melanomas of skin** | | | | | | | | | | | |
|  | 1720 | 1721 | 1722 | 1723 | 1724 | 1725 | 1726 | 1727 | 1728 | 1729 | V1082 |  |

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| **23** | **Other non-epithelial cancer of skin** | | | | | | | | | | | |
|  | 17300 | 17301 | 17302 | 17309 | 17310 | 17311 | 17312 | 17319 | 17320 | 17321 | 17322 | 17329 |
|  | 17332 | 17339 | 17340 | 17341 | 17342 | 17349 | 17350 | 17351 | 17352 | 17359 | 17360 | 17361 |
|  | 17362 | 17369 | 17370 | 17371 | 17372 | 17379 | 17380 | 17381 | 17382 | 17389 | 17390 | 17391 |
|  | 17392 | 17399 | 20931 | 20932 | 20933 | 20934 | 20935 | 20936 | 2320 | 2321 | 2322 | 2323 |
|  | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | V1083 |  |  |  |  |  |

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| **24** | **Cancer of breast** | | | | | | | | | | | |
|  | 1740 | 1741 | 1742 | 1743 | 1744 | 1745 | 1746 | 1748 | 1749 | 1750 | 1759 | 2330 |
|  | V103 |  |  |  |  |  |  |  |  |  |  |  |

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| **25** | **Cancer of uterus** | | | | | | | | | | | |
|  | 179 | 1820 | 1821 | 1828 | 2332 | V1042 |  |  |  |  |  |  |

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| **26** | **Cancer of cervix** | | | | | | | | | | | |
|  | 1800 | 1801 | 1808 | 1809 | 2331 | 7950 | 79501 | 79502 | 79503 | 79504 | V1041 |  |

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| **27** | **Cancer of ovary** | | | | | | | | | | | |
|  | 1830 | V1043 |  |  |  |  |  |  |  |  |  |  |

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| **28** | **Cancer of other female genital organs** | | | | | | | | | | | |
|  | 181 | 1832 | 1833 | 1834 | 1835 | 1838 | 1839 | 1840 | 1841 | 1842 | 1843 | 1844 |
|  | 1848 | 1849 | 2333 | 23330 | 23331 | 23332 | 23339 | 79516 | V1040 | V1044 |  |  |

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| **29** | **Cancer of prostate** | | | | | | | | | | | |
|  | 185 | 2334 | V1046 |  |  |  |  |  |  |  |  |  |

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| **30** | **Cancer of testis** | | | | | | | | | | | |
|  | 1860 | 1869 | V1047 |  |  |  |  |  |  |  |  |  |

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| **31** | **Cancer of other male genital organs** | | | | | | | | | | | |
|  | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | 2335 | 2336 | V1045 |
|  | V1048 | V1049 |  |  |  |  |  |  |  |  |  |  |

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| **32** | **Cancer of bladder** | | | | | | | | | | | |
|  | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | 2337 | V1051 |

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| **33** | **Cancer of kidney and renal pelvis** | | | | | | | | | | | |
|  | 1890 | 1891 | 20924 | V1052 | V1053 |  |  |  |  |  |  |  |

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| **34** | **Cancer of other urinary organs** | | | | | | | | | | | |
|  | 1892 | 1893 | 1894 | 1898 | 1899 | 2339 | V1050 | V1059 |  |  |  |  |

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| **35** | **Cancer of brain and nervous system** | | | | | | | | | | | |
|  | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 |
|  | 1922 | 1923 | 1928 | 1929 | V1085 | V1086 |  |  |  |  |  |  |

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| **36** | **Cancer of thyroid** | | | | | | | | | | | |
|  | 193 | 25802 | 25803 | V1087 |  |  |  |  |  |  |  |  |

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| **37** | **Hodgkin`s disease** | | | | | | | | | | | |
|  | 20100 | 20101 | 20102 | 20103 | 20104 | 20105 | 20106 | 20107 | 20108 | 20110 | 20111 | 20112 |
|  | 20113 | 20114 | 20115 | 20116 | 20117 | 20118 | 20120 | 20121 | 20122 | 20123 | 20124 | 20125 |
|  | 20126 | 20127 | 20128 | 20140 | 20141 | 20142 | 20143 | 20144 | 20145 | 20146 | 20147 | 20148 |
|  | 20150 | 20151 | 20152 | 20153 | 20154 | 20155 | 20156 | 20157 | 20158 | 20160 | 20161 | 20162 |
|  | 20163 | 20164 | 20165 | 20166 | 20167 | 20168 | 20170 | 20171 | 20172 | 20173 | 20174 | 20175 |
|  | 20176 | 20177 | 20178 | 20190 | 20191 | 20192 | 20193 | 20194 | 20195 | 20196 | 20197 | 20198 |
|  | V1072 |  |  |  |  |  |  |  |  |  |  |  |

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| **38** | **Non-Hodgkin`s lymphoma** | | | | | | | | | | | |
|  | 20000 | 20001 | 20002 | 20003 | 20004 | 20005 | 20006 | 20007 | 20008 | 20010 | 20011 | 20012 |
|  | 20013 | 20014 | 20015 | 20016 | 20017 | 20018 | 20020 | 20021 | 20022 | 20023 | 20024 | 20025 |
|  | 20026 | 20027 | 20028 | 20030 | 20031 | 20032 | 20033 | 20034 | 20035 | 20036 | 20038 | 20041 |
|  | 20042 | 20043 | 20044 | 20045 | 20046 | 20047 | 20048 | 20051 | 20052 | 20053 | 20054 | 20055 |
|  | 20056 | 20057 | 20058 | 20060 | 20061 | 20062 | 20064 | 20065 | 20066 | 20067 | 20068 | 20070 |
|  | 20071 | 20072 | 20073 | 20074 | 20075 | 20076 | 20077 | 20078 | 20080 | 20081 | 20082 | 20083 |
|  | 20084 | 20085 | 20086 | 20087 | 20088 | 20200 | 20201 | 20202 | 20203 | 20204 | 20205 | 20206 |
|  | 20207 | 20208 | 20210 | 20211 | 20212 | 20213 | 20214 | 20215 | 20216 | 20217 | 20218 | 20220 |
|  | 20221 | 20222 | 20223 | 20224 | 20225 | 20226 | 20227 | 20228 | 20270 | 20271 | 20272 | 20273 |
|  | 20274 | 20275 | 20276 | 20277 | 20278 | 20280 | 20281 | 20282 | 20283 | 20284 | 20285 | 20286 |
|  | 20287 | 20288 | 20290 | 20291 | 20292 | 20293 | 20294 | 20295 | 20296 | 20297 | 20298 | V1071 |
|  | V1079 |  |  |  |  |  |  |  |  |  |  |  |

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| **39** | **Leukemias** | | | | | | | | | | | |
|  | 20240 | 20241 | 20242 | 20243 | 20244 | 20245 | 20246 | 20247 | 20248 | 2031 | 20310 | 20311 |
|  | 20312 | 2040 | 20400 | 20401 | 20402 | 2041 | 20410 | 20411 | 20412 | 2042 | 20420 | 20421 |
|  | 20422 | 2048 | 20480 | 20481 | 20482 | 2049 | 20490 | 20491 | 20492 | 2050 | 20500 | 20501 |
|  | 2051 | 20510 | 20511 | 20512 | 2052 | 20520 | 20521 | 2053 | 20530 | 20531 | 2058 | 20580 |
|  | 20581 | 20582 | 2059 | 20590 | 20591 | 2060 | 20600 | 20601 | 20602 | 2061 | 20610 | 20611 |
|  | 20612 | 2062 | 20620 | 20621 | 20622 | 2068 | 20680 | 20681 | 20682 | 2069 | 20690 | 20691 |
|  | 20692 | 2070 | 20700 | 20701 | 20702 | 2071 | 20710 | 20711 | 20712 | 2072 | 20720 | 20721 |
|  | 20722 | 2078 | 20780 | 20781 | 20782 | 2080 | 20800 | 20801 | 2081 | 20810 | 20811 | 20812 |
|  | 2082 | 20820 | 20821 | 20822 | 2088 | 20880 | 20881 | 20882 | 2089 | 20890 | 20891 | 20892 |
|  | V1060 | V1061 | V1062 | V1063 | V1069 |  |  |  |  |  |  |  |

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| **40** | **Multiple myeloma** | | | | | | | | | | | |
|  | 2030 | 20300 | 20301 | 20302 | 2038 | 20380 | 20381 |  |  |  |  |  |

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| **41** | **Cancer; other and unspecified primary** | | | | | | | | | | | |
|  | 1640 | 1641 | 1642 | 1643 | 1648 | 1649 | 1760 | 1761 | 1762 | 1763 | 1764 | 1765 |
|  | 1768 | 1769 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 |
|  | 1940 | 1941 | 1943 | 1944 | 1945 | 1946 | 1948 | 1949 | 1951 | 1952 | 1953 | 1954 |
|  | 1955 | 1958 | 20230 | 20231 | 20232 | 20233 | 20234 | 20235 | 20236 | 20237 | 20238 | 20250 |
|  | 20251 | 20252 | 20253 | 20254 | 20255 | 20256 | 20257 | 20258 | 20260 | 20261 | 20262 | 20263 |
|  | 20264 | 20265 | 20266 | 20267 | 20268 | 20922 | 20925 | 20926 | 20927 | 2340 | 2348 | 2349 |
|  | 7951 | 79511 | 79512 | 79513 | V1029 | V1081 | V1084 | V1088 | V1089 | V109 | V1091 | V711 |

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| **42** | **Secondary malignancies** | | | | | | | | | | | |
|  | 1960 | 1961 | 1962 | 1963 | 1965 | 1966 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 |
|  | 1974 | 1975 | 1976 | 1977 | 1978 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 |
|  | 1987 | 19881 | 19882 | 19889 | 20971 | 20972 | 20973 | 20974 | 51181 | 78951 |  |  |

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| **43** | **Malignant neoplasm without specification of site** | | | | | | | | | | | |
|  | 1990 | 1991 | 1992 | 20920 | 20929 | 20930 | 20970 | 20975 | 20979 |  |  |  |

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| **44** | **Neoplasms of unspecified nature or uncertain behavior** | | | | | | | | | | | |
|  | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 |
|  | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 23690 | 23691 | 23699 | 2370 | 2371 | 2372 |
|  | 2373 | 2374 | 2375 | 2376 | 2377 | 23770 | 23771 | 23772 | 23773 | 23779 | 2379 | 2380 |
|  | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 23877 | 2388 | 2389 | 2390 | 2391 |
|  | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 23981 | 23989 | 2399 |  |  |

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| **45** | **Maintenance chemotherapy; radiotherapy** | | | | | | | | | | | |
|  | V580 | V581 | V5811 | V5812 | V661 | V662 | V671 | V672 |  |  |  |  |

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| **46** | **Benign neoplasm of uterus** | | | | | | | | | | | |
|  | 2180 | 2181 | 2182 | 2189 | 2190 | 2191 | 2198 | 2199 |  |  |  |  |

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| **47** | **Other and unspecified benign neoplasm** | | | | | | | | | | | |
|  | 20940 | 20941 | 20942 | 20943 | 20950 | 20951 | 20952 | 20953 | 20954 | 20955 | 20956 | 20957 |
|  | 20960 | 20961 | 20962 | 20963 | 20964 | 20965 | 20966 | 20967 | 20969 | 2100 | 2101 | 2102 |
|  | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 |
|  | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 |
|  | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 |
|  | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2148 | 2149 | 2150 | 2152 | 2153 | 2154 |
|  | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 |
|  | 2167 | 2168 | 2169 | 217 | 220 | 2210 | 2211 | 2212 | 2218 | 2219 | 2220 | 2221 |
|  | 2222 | 2223 | 2224 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 22381 | 22389 | 2239 |
|  | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 |
|  | 2252 | 2253 | 2254 | 2258 | 2259 | 226 | 2270 | 2271 | 2273 | 2274 | 2275 | 2276 |
|  | 2278 | 2279 | 22800 | 22801 | 22802 | 22803 | 22804 | 22809 | 2281 | 2290 | 2298 | 2299 |
|  | V1272 |  |  |  |  |  |  |  |  |  |  |  |

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| **48** | **Thyroid disorders** | | | | | | | | | | | |
|  | 2400 | 2409 | 2410 | 2411 | 2419 | 24200 | 24201 | 24210 | 24211 | 24220 | 24221 | 24230 |
|  | 24231 | 24240 | 24241 | 24280 | 24281 | 24290 | 24291 | 243 | 2440 | 2441 | 2442 | 2443 |
|  | 2448 | 2449 | 2450 | 2451 | 2452 | 2453 | 2454 | 2458 | 2459 | 2460 | 2461 | 2462 |
|  | 2463 | 2468 | 2469 | 7945 |  |  |  |  |  |  |  |  |

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| **49** | **Diabetes mellitus without complication** | | | | | | | | | | | |
|  | 24900 | 25000 | 25001 | 7902 | 79021 | 79022 | 79029 | 7915 | 7916 | V4585 | V5391 | V6546 |

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| **50** | **Diabetes mellitus with complications** | | | | | | | | | | | | |
|  | 24901 | | 24910 | 24911 | 24920 | 24921 | 24930 | 24931 | 24940 | 24941 | 24950 | 24951 | 24960 |
|  | 24961 | | 24970 | 24971 | 24980 | 24981 | 24990 | 24991 | 25002 | 25003 | 25010 | 25011 | 25012 |
|  | 25013 | | 25020 | 25021 | 25022 | 25023 | 25030 | 25031 | 25032 | 25033 | 25040 | 25041 | 25042 |
|  | 25043 | | 25050 | 25051 | 25052 | 25053 | 25060 | 25061 | 25062 | 25063 | 25070 | 25071 | 25072 |
|  | 25073 | 25080 | | 25081 | 25082 | 25083 | 25090 | 25091 | 25092 | 25093 |  |  |  |

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| **51** | **Other endocrine disorders** | | | | | | | | | | | |
|  | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 | 2518 | 2519 | 2520 | 25200 | 25201 | 25202 |
|  | 25208 | 2521 | 2528 | 2529 | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 | 2536 | 2537 |
|  | 2538 | 2539 | 2540 | 2541 | 2548 | 2549 | 2550 | 2551 | 25510 | 25511 | 25512 | 25513 |
|  | 25514 | 2552 | 2553 | 2554 | 25541 | 25542 | 2555 | 2556 | 2558 | 2559 | 2560 | 2561 |
|  | 2562 | 2563 | 2564 | 2568 | 2569 | 2570 | 2571 | 2572 | 2578 | 2579 | 2580 | 25801 |
|  | 2581 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2595 | 25950 | 25951 | 25952 |
|  | 2598 | 2599 | 7946 |  |  |  |  |  |  |  |  |  |

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| **52** | **Nutritional deficiencies** | | | | | | | | | | | |
|  | 260 | 261 | 262 | 2630 | 2631 | 2632 | 2638 | 2639 | 2640 | 2641 | 2642 | 2643 |
|  | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2660 | 2661 | 2662 |
|  | 2669 | 267 | 2680 | 2681 | 2682 | 2689 | 2690 | 2691 | 2692 | 2693 | 2698 | 2699 |
|  | 7994 | V121 |  |  |  |  |  |  |  |  |  |  |

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| **53** | **Disorders of lipid metabolism** | | | | | | | | | | | |
|  | 2720 | 2721 | 2722 | 2723 | 2724 |  |  |  |  |  |  |  |

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| **54** | **Gout and other crystal arthropathies** | | | | | | | | | | | |
|  | 2740 | 27403 | 27410 | 27411 | 27419 | 27481 | 27482 | 27489 | 2749 | 71210 | 71211 | 71212 |
|  | 71213 | 71214 | 71215 | 71216 | 71217 | 71218 | 71219 | 71220 | 71221 | 71222 | 71223 | 71224 |
|  | 71225 | 71226 | 71227 | 71228 | 71229 | 71230 | 71231 | 71232 | 71233 | 71234 | 71235 | 71236 |
|  | 71237 | 71238 | 71239 | 71280 | 71281 | 71282 | 71283 | 71284 | 71285 | 71286 | 71287 | 71288 |
|  | 71289 | 71290 | 71291 | 71292 | 71293 | 71294 | 71295 | 71296 | 71297 | 71298 | 71299 |  |

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| **55** | **Fluid and electrolyte disorders** | | | | | | | | | | | |
|  | 2760 | 2761 | 2762 | 2763 | 2764 | 2765 | 27650 | 27651 | 27652 | 2766 | 27669 | 2767 |
|  | 2768 | 2769 | 9951 |  |  |  |  |  |  |  |  |  |

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| **56** | **Cystic fibrosis** | | | | | | | | | | | |
|  | 27700 | 27701 | 27702 | 27703 | 27709 |  |  |  |  |  |  |  |

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| **57** | **Immunity disorders** | | | | | | | | | | | |
|  | 27900 | 27901 | 27902 | 27903 | 27904 | 27905 | 27906 | 27909 | 27911 | 27912 | 27913 | 2792 |
|  | 2793 | 2794 | 27949 | 2798 | 2799 |  |  |  |  |  |  |  |

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| **58** | **Other nutritional; endocrine; and metabolic disorders** | | | | | | | | | | | |
|  | 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 | 2710 | 2711 |
|  | 2712 | 2713 | 2714 | 2718 | 2719 | 2725 | 2726 | 2727 | 2728 | 2729 | 2730 | 2731 |
|  | 2732 | 2733 | 2734 | 2738 | 2739 | 2750 | 27503 | 27509 | 2751 | 2752 | 2753 | 2754 |
|  | 27540 | 27541 | 27542 | 27549 | 2758 | 2759 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 |
|  | 2777 | 2778 | 27781 | 27782 | 27784 | 27785 | 27786 | 27787 | 27789 | 2779 | 2780 | 27800 |
|  | 27801 | 27802 | 27803 | 2781 | 2782 | 2783 | 2784 | 2788 | 7831 | 7832 | 78321 | 78322 |
|  | 7833 | 7834 | 78340 | 78341 | 78342 | 78343 | 7835 | 7837 | 7839 | 7947 | 7957 | V1229 |
|  | V850 | V8521 | V8522 | V8523 | V8524 | V8525 | V8530 | V8531 | V8532 | V8533 | V8534 | V8535 |
|  | V8536 | V8537 | V8538 | V8539 | V854 | V8541 | V8542 | V8543 | V8544 | V8545 |  |  |

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| **59** | **Deficiency and other anemia** | | | | | | | | | | | |
|  | 2800 | 2801 | 2808 | 2809 | 2810 | 2811 | 2812 | 2813 | 2814 | 2818 | 2819 | 2820 |
|  | 2821 | 2822 | 2823 | 2824 | 28240 | 28243 | 28245 | 28246 | 28247 | 28249 | 2827 | 2828 |
|  | 2829 | 2830 | 2831 | 28310 | 28311 | 28319 | 2832 | 2839 | 2840 | 28411 | 28412 | 28419 |
|  | 2848 | 28481 | 28489 | 2849 | 2850 | 28521 | 28522 | 28529 | 2858 | 2859 |  |  |

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| **60** | **Acute posthemorrhagic anemia** | | | | | | | | | | | |
|  | 2851 |  |  |  |  |  |  |  |  |  |  |  |

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| **61** | **Sickle cell anemia** | | | | | | | | | | | |
|  | 28241 | 28242 | 2825 | 28260 | 28261 | 28262 | 28263 | 28264 | 28268 | 28269 |  |  |

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| **62** | **Coagulation and hemorrhagic disorders** | | | | | | | | | | | |
|  | 2860 | 2861 | 2862 | 2863 | 2864 | 28653 | 2866 | 2867 | 2869 | 2870 | 2871 | 2872 |
|  | 2873 | 28730 | 28731 | 28732 | 28733 | 28739 | 2874 | 28749 | 2875 | 2878 | 2879 | 28981 |
|  | 28982 | 28984 | 7827 |  |  |  |  |  |  |  |  |  |

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| **63** | **Diseases of white blood cells** | | | | | | | | | | | |
|  | 2880 | 2881 | 2882 | 2883 | 28866 | 2888 | 2889 |  |  |  |  |  |

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| **64** | **Other hematologic conditions** | | | | | | | | | | | |
|  | 2890 | 2894 | 28950 | 28951 | 28952 | 28959 | 2896 | 2897 | 2898 | 28989 | 2899 | 7900 |
|  | 79001 | 79009 | V123 | V582 |  |  |  |  |  |  |  |  |

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| **76** | **Meningitis (except that caused by tuberculosis or sexually transmitted disease)** | | | | | | | | | | | |
|  | 00321 | 0360 | 0470 | 0471 | 0478 | 0479 | 0490 | 0491 | 0530 | 05472 | 0721 | 10081 |
|  | 11283 | 1142 | 11501 | 11511 | 11591 | 3200 | 3201 | 3202 | 3203 | 3207 | 3208 | 32081 |
|  | 32082 | 32089 | 3209 | 3210 | 3211 | 3212 | 3213 | 3214 | 3218 | 3220 | 3221 | 3222 |
|  | 3229 |  |  |  |  |  |  |  |  |  |  |  |

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| **77** | **Encephalitis (except that caused by tuberculosis or sexually transmitted disease)** | | | | | | | | | | | |
|  | 0361 | 0462 | 0498 | 0499 | 0520 | 0543 | 0550 | 05601 | 05821 | 05829 | 0620 | 0621 |
|  | 0622 | 0623 | 0624 | 0625 | 0628 | 0629 | 0630 | 0631 | 0632 | 0638 | 0639 | 064 |
|  | 0662 | 06641 | 0722 | 1300 | 1390 | 3230 | 3231 | 3232 | 3234 | 3235 | 3236 | 3237 |
|  | 3238 | 3239 |  |  |  |  |  |  |  |  |  |  |

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| **78** | **Other CNS infection and poliomyelitis** | | | | | | | | | | | |
|  | 04500 | 04501 | 04502 | 04503 | 04510 | 04511 | 04512 | 04513 | 04520 | 04521 | 04522 | 04523 |
|  | 04590 | 04591 | 04592 | 04593 | 0460 | 0461 | 04611 | 04619 | 0463 | 04671 | 04672 | 04679 |
|  | 0468 | 0469 | 048 | 138 | 3240 | 3241 | 3249 | 326 | V1202 |  |  |  |

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| **79** | **Parkinson`s disease** | | | | | | | | | | | |
|  | 3320 |  |  |  |  |  |  |  |  |  |  |  |

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| **80** | **Multiple sclerosis** | | | | | | | | | | | |
|  | 340 |  |  |  |  |  |  |  |  |  |  |  |

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| **81** | **Other hereditary and degenerative nervous system conditions** | | | | | | | | | | | |
|  | 3300 | 3301 | 3302 | 3303 | 3308 | 3309 | 3313 | 3314 | 3315 | 3316 | 3317 | 33181 |
|  | 33189 | 3319 | 3330 | 3331 | 3332 | 3333 | 3334 | 3335 | 3336 | 3337 | 33381 | 33382 |
|  | 33383 | 33384 | 33389 | 33390 | 33391 | 33392 | 33393 | 33399 | 3340 | 3341 | 3342 | 3343 |
|  | 3344 | 3348 | 3349 | 3350 | 33510 | 33511 | 33519 | 33520 | 33521 | 33522 | 33523 | 33524 |
|  | 33529 | 3358 | 3359 | 3360 | 3361 | 3362 | 3363 | 3368 | 3369 | 3370 | 33700 | 33701 |
|  | 3371 | 3373 | 3379 |  |  |  |  |  |  |  |  |  |

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| **82** | **Paralysis** | | | | | | | | | | | |
|  | 3420 | 34200 | 34201 | 34202 | 3421 | 34210 | 34211 | 34212 | 34280 | 34281 | 34282 | 3429 |
|  | 34290 | 34291 | 34292 | 3430 | 3431 | 3432 | 3433 | 3434 | 3438 | 3439 | 3440 | 34400 |
|  | 34401 | 34402 | 34403 | 34404 | 34409 | 3441 | 3442 | 3443 | 34430 | 34431 | 34432 | 3444 |
|  | 34440 | 34441 | 34442 | 3445 | 34460 | 3448 | 34481 | 34489 | 3449 | 7814 | 78072 |  |

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| **83** | **Epilepsy; convulsions** | | | | | | | | | | | |
|  | 3450 | 34500 | 34501 | 3451 | 34510 | 34511 | 3452 | 3453 | 3454 | 34540 | 34541 | 3455 |
|  | 34550 | 34551 | 3456 | 34560 | 34561 | 3457 | 34570 | 34571 | 3458 | 34580 | 34581 | 3459 |
|  | 34590 | 34591 | 7803 | 78031 | 78039 |  |  |  |  |  |  |  |

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| **84** | **Headache; including migraine** | | | | | | | | | | | |
|  | 33900 | 33901 | 33902 | 33903 | 33904 | 33905 | 33909 | 33910 | 33911 | 33912 | 33920 | 33921 |
|  | 33922 | 3393 | 33941 | 33942 | 33943 | 33944 | 33981 | 33982 | 33983 | 33984 | 33985 | 33989 |
|  | 3460 | 34600 | 34601 | 34602 | 34603 | 3461 | 34612 | 34613 | 34610 | 34611 | 3462 | 34620 |
|  | 34621 | 34622 | 34623 | 34630 | 34631 | 34632 | 34633 | 34640 | 34642 | 34643 | 34651 | 34652 |
|  | 34653 | 34670 | 34671 | 34672 | 34673 | 3468 | 34680 | 34681 | 34682 | 34683 | 3469 | 34690 |
|  | 34691 | 7840 |  |  |  |  |  |  |  |  |  |  |

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| **85** | **Coma; stupor; and brain damage** | | | | | | | | | | | |
|  | 3481 | 7800 | 78001 | 78003 | 78009 |  |  |  |  |  |  |  |

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| **86** | **Cataract** | | | | | | | | | | | |
|  | 36600 | 36601 | 36602 | 36603 | 36604 | 36609 | 36610 | 36611 | 36612 | 36613 | 36614 | 36615 |
|  | 36616 | 36617 | 36618 | 36619 | 36620 | 36621 | 36622 | 36623 | 36630 | 36631 | 36632 | 36633 |
|  | 36634 | 36641 | 36642 | 36643 | 36644 | 36645 | 36646 | 36650 | 36651 | 36652 | 36653 | 3668 |
|  | 3669 | V431 |  |  |  |  |  |  |  |  |  |  |

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| **87** | **Retinal detachments; defects; vascular occlusion; and retinopathy** | | | | | | | | | | | |
|  | 36100 | 36101 | 36102 | 36103 | 36104 | 36105 | 36106 | 36107 | 36110 | 36111 | 36112 | 36113 |
|  | 36114 | 36119 | 3612 | 36130 | 36131 | 36132 | 36133 | 36181 | 36189 | 3619 | 36201 | 36202 |
|  | 36203 | 36204 | 36205 | 36206 | 36207 | 36210 | 36211 | 36212 | 36213 | 36214 | 36215 | 36216 |
|  | 36217 | 36218 | 36221 | 36222 | 36223 | 36224 | 36225 | 36226 | 36227 | 36229 | 36230 | 36231 |
|  | 36232 | 36233 | 36234 | 36235 | 36236 | 36237 | 36240 | 36241 | 36242 | 36243 | 36250 | 36251 |
|  | 36252 | 36253 | 36254 | 36255 | 36256 | 36257 | 36260 | 36261 | 36262 | 36263 | 36264 | 36265 |
|  | 36266 | 36270 | 36271 | 36272 | 36273 | 36274 | 36275 | 36276 | 36277 | 36281 | 36282 | 36283 |
|  | 36284 | 36285 | 36289 | 3629 |  |  |  |  |  |  |  |  |

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| **88** | **Glaucoma** | | | | | | | | | | | |
|  | 36500 | 36501 | 36502 | 36503 | 36504 | 36506 | 36510 | 36511 | 36512 | 36513 | 36514 | 36515 |
|  | 36520 | 36521 | 36522 | 36523 | 36524 | 36531 | 36532 | 36541 | 36542 | 36543 | 36544 | 36551 |
|  | 36552 | 36559 | 36560 | 36561 | 36562 | 36563 | 36564 | 36565 | 36570 | 36571 | 36572 | 36573 |
|  | 36574 | 36581 | 36582 | 36583 | 36589 | 3659 |  |  |  |  |  |  |

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| **89** | **Blindness and vision defects** | | | | | | | | | | | |
|  | 3670 | 3671 | 36720 | 36721 | 36722 | 36731 | 36732 | 3674 | 36751 | 36752 | 36753 | 36781 |
|  | 36789 | 3679 | 36800 | 36801 | 36802 | 36803 | 36810 | 36811 | 36812 | 36813 | 36814 | 36815 |
|  | 36816 | 3682 | 36830 | 36831 | 36832 | 36833 | 36834 | 36840 | 36841 | 36842 | 36843 | 36844 |
|  | 36845 | 36846 | 36847 | 36851 | 36852 | 36853 | 36854 | 36855 | 36859 | 36860 | 36861 | 36862 |
|  | 36863 | 36869 | 3688 | 3689 | 36900 | 36901 | 36902 | 36903 | 36904 | 36905 | 36906 | 36907 |
|  | 36908 | 36910 | 36911 | 36912 | 36913 | 36914 | 36915 | 36916 | 36917 | 36918 | 36920 | 36921 |
|  | 36922 | 36923 | 36924 | 36925 | 3693 | 3694 | 36960 | 36961 | 36962 | 36963 | 36964 | 36965 |
|  | 36966 | 36967 | 36968 | 36969 | 36970 | 36971 | 36972 | 36973 | 36974 | 36975 | 36976 | 3698 |
|  | 3699 | V410 |  |  |  |  |  |  |  |  |  |  |

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| **90** | **Inflammation; infection of eye (except that caused by tuberculosis or sexually transmitted disease)** | | | | | | | | | | | |
|  | 0213 | 03281 | 05320 | 05321 | 05322 | 05329 | 05440 | 05441 | 05442 | 05443 | 05444 | 05449 |
|  | 05571 | 0760 | 0761 | 0769 | 0770 | 0771 | 0772 | 0773 | 0774 | 0778 | 0779 | 07798 |
|  | 07799 | 11502 | 11512 | 11592 | 1301 | 1302 | 1391 | 36000 | 36001 | 36002 | 36003 | 36004 |
|  | 36011 | 36012 | 36013 | 36014 | 36019 | 36300 | 36301 | 36303 | 36304 | 36305 | 36306 | 36307 |
|  | 36308 | 36310 | 36311 | 36312 | 36313 | 36314 | 36315 | 36320 | 36321 | 36322 | 36400 | 36401 |
|  | 36402 | 36403 | 36404 | 36405 | 36410 | 36411 | 36421 | 36422 | 36423 | 36424 | 3643 | 37020 |
|  | 37021 | 37022 | 37023 | 37024 | 37031 | 37032 | 37033 | 37034 | 37035 | 37040 | 37044 | 37049 |
|  | 37050 | 37052 | 37054 | 37055 | 37059 | 3708 | 3709 | 37200 | 37201 | 37202 | 37203 | 37204 |
|  | 37205 | 37206 | 37210 | 37211 | 37212 | 37213 | 37214 | 37215 | 37220 | 37221 | 37222 | 37230 |
|  | 37231 | 37233 | 37239 | 37300 | 37301 | 37302 | 37311 | 37312 | 37313 | 37331 | 37332 | 37333 |
|  | 37334 | 3734 | 3735 | 3736 | 3738 | 3739 | 37500 | 37501 | 37502 | 37503 | 37530 | 37531 |
|  | 37532 | 37533 | 37541 | 37542 | 37543 | 37600 | 37601 | 37602 | 37603 | 37604 | 37610 | 37611 |
|  | 37612 | 37613 | 37730 | 37731 | 37732 | 37733 | 37734 | 37739 | 37900 | 37901 | 37902 | 37903 |
|  | 37904 | 37905 | 37906 | 37907 | 37909 |  |  |  |  |  |  |  |

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| **91** | **Other eye disorders** | | | | | | | | | | | |
|  | 36020 | 36021 | 36023 | 36024 | 36029 | 36030 | 36031 | 36032 | 36033 | 36034 | 36040 | 36041 |
|  | 36042 | 36043 | 36044 | 36050 | 36051 | 36052 | 36053 | 36054 | 36055 | 36059 | 36060 | 36061 |
|  | 36062 | 36063 | 36064 | 36065 | 36069 | 36081 | 36089 | 3609 | 36330 | 36331 | 36332 | 36333 |
|  | 36334 | 36335 | 36340 | 36341 | 36342 | 36343 | 36350 | 36351 | 36352 | 36353 | 36354 | 36355 |
|  | 36356 | 36357 | 36361 | 36362 | 36363 | 36370 | 36371 | 36372 | 3638 | 3639 | 36441 | 36442 |
|  | 36451 | 36452 | 36453 | 36454 | 36455 | 36456 | 36457 | 36459 | 36460 | 36461 | 36462 | 36463 |
|  | 36464 | 36470 | 36471 | 36472 | 36473 | 36474 | 36475 | 36476 | 36477 | 3648 | 36481 | 36482 |
|  | 3649 | 37000 | 37001 | 37002 | 37003 | 37004 | 37005 | 37006 | 37007 | 37060 | 37061 | 37062 |
|  | 37063 | 37064 | 37100 | 37101 | 37102 | 37103 | 37104 | 37105 | 37110 | 37111 | 37112 | 37113 |
|  | 37114 | 37115 | 37116 | 37120 | 37121 | 37122 | 37123 | 37124 | 37130 | 37131 | 37132 | 37133 |
|  | 37140 | 37141 | 37142 | 37143 | 37144 | 37145 | 37146 | 37148 | 37149 | 37150 | 37151 | 37152 |
|  | 37153 | 37154 | 37155 | 37156 | 37157 | 37158 | 37160 | 37161 | 37162 | 37170 | 37171 | 37172 |
|  | 37173 | 37181 | 37182 | 37189 | 3719 | 37234 | 37240 | 37241 | 37242 | 37243 | 37244 | 37245 |
|  | 37250 | 37251 | 37252 | 37253 | 37254 | 37255 | 37256 | 37261 | 37262 | 37263 | 37264 | 37271 |
|  | 37272 | 37273 | 37274 | 37275 | 3728 | 37281 | 37289 | 3729 | 3732 | 37400 | 37401 | 37402 |
|  | 37403 | 37404 | 37405 | 37410 | 37411 | 37412 | 37413 | 37414 | 37420 | 37421 | 37422 | 37423 |
|  | 37430 | 37431 | 37432 | 37433 | 37434 | 37441 | 37443 | 37444 | 37445 | 37446 | 37450 | 37451 |
|  | 37452 | 37453 | 37454 | 37455 | 37456 | 37481 | 37482 | 37483 | 37484 | 37485 | 37486 | 37487 |
|  | 37489 | 3749 | 37511 | 37512 | 37513 | 37514 | 37515 | 37516 | 37520 | 37521 | 37522 | 37551 |
|  | 37552 | 37553 | 37554 | 37555 | 37556 | 37557 | 37561 | 37569 | 37581 | 37589 | 3759 | 37621 |
|  | 37622 | 37630 | 37631 | 37632 | 37633 | 37634 | 37635 | 37636 | 37640 | 37641 | 37642 | 37643 |
|  | 37644 | 37645 | 37646 | 37647 | 37650 | 37651 | 37652 | 3766 | 37681 | 37682 | 37689 | 3769 |
|  | 37700 | 37701 | 37702 | 37703 | 37704 | 37710 | 37711 | 37712 | 37713 | 37714 | 37715 | 37716 |
|  | 37721 | 37722 | 37723 | 37724 | 37741 | 37742 | 37749 | 37751 | 37752 | 37753 | 37754 | 37761 |
|  | 37762 | 37763 | 37771 | 37772 | 37773 | 37775 | 3779 | 37800 | 37801 | 37802 | 37803 | 37804 |
|  | 37805 | 37806 | 37807 | 37808 | 37810 | 37811 | 37812 | 37813 | 37814 | 37815 | 37816 | 37817 |
|  | 37818 | 37820 | 37821 | 37822 | 37823 | 37824 | 37830 | 37831 | 37832 | 37833 | 37834 | 37835 |
|  | 37840 | 37841 | 37842 | 37843 | 37844 | 37845 | 37850 | 37851 | 37852 | 37853 | 37854 | 37855 |
|  | 37856 | 37860 | 37861 | 37862 | 37863 | 37871 | 37872 | 37873 | 37881 | 37882 | 37883 | 37884 |
|  | 37885 | 37886 | 37887 | 3789 | 37911 | 37912 | 37913 | 37914 | 37915 | 37916 | 37919 | 37921 |
|  | 37922 | 37923 | 37924 | 37925 | 37926 | 37927 | 37929 | 37931 | 37932 | 37933 | 37934 | 37939 |
|  | 37940 | 37941 | 37942 | 37943 | 37945 | 37946 | 37949 | 37950 | 37951 | 37952 | 37953 | 37954 |
|  | 37955 | 37956 | 37957 | 37958 | 37959 | 3798 | 37990 | 37991 | 37992 | 37993 | 37999 | 78193 |
|  | V411 | V425 | V430 | V456 | V4561 | V4569 | V522 | V531 | V720 |  |  |  |

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| **92** | **Otitis media and related conditions** | | | | | | | | | | | |
|  | 0552 | 38100 | 38101 | 38102 | 38103 | 38104 | 38105 | 38106 | 38110 | 38119 | 38120 | 38129 |
|  | 3813 | 3814 | 38150 | 38151 | 38152 | 38160 | 38161 | 38162 | 38163 | 3817 | 38181 | 38189 |
|  | 3819 | 38200 | 38201 | 38202 | 3821 | 3822 | 3823 | 3824 | 3829 | 38300 | 38301 | 38302 |
|  | 3831 | 38320 | 38321 | 38322 | 38330 | 38331 | 38332 | 38333 | 38381 | 38389 | 3839 | 38420 |
|  | 38421 | 38422 | 38423 | 38424 | 38425 | 38481 | 38482 | 3849 | 38500 | 38501 | 38502 | 38503 |
|  | 38509 | 38510 | 38511 | 38512 | 38513 | 38519 | 38521 | 38522 | 38523 | 38524 | 3870 | 3871 |
|  | 3872 | 3878 | 3879 |  |  |  |  |  |  |  |  |  |

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| **93** | **Conditions associated with dizziness or vertigo** | | | | | | | | | | | |
|  | 38600 | 38601 | 38602 | 38603 | 38604 | 38610 | 38611 | 38612 | 38619 | 3862 | 38630 | 38631 |
|  | 38632 | 38633 | 38634 | 38635 | 38640 | 38641 | 38642 | 38643 | 38648 | 38650 | 38651 | 38652 |
|  | 38653 | 38654 | 38655 | 38656 | 38658 | 3868 | 3869 | 7804 |  |  |  |  |

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| **94** | **Other ear and sense organ disorders** | | | | | | | | | | | |
|  | 38000 | 38001 | 38002 | 38003 | 38010 | 38011 | 38012 | 38013 | 38014 | 38015 | 38016 | 38021 |
|  | 38022 | 38023 | 38030 | 38031 | 38032 | 38039 | 3804 | 38050 | 38051 | 38052 | 38053 | 38081 |
|  | 38089 | 3809 | 38400 | 38401 | 38409 | 3841 | 38530 | 38531 | 38532 | 38533 | 38535 | 38582 |
|  | 38583 | 38589 | 3859 | 38800 | 38801 | 38802 | 38810 | 38811 | 38812 | 3882 | 38830 | 38831 |
|  | 38832 | 38840 | 38841 | 38842 | 38843 | 38844 | 38845 | 3885 | 38860 | 38861 | 38869 | 38870 |
|  | 38871 | 38872 | 3888 | 3889 | 38900 | 38901 | 38902 | 38903 | 38904 | 38905 | 38906 | 38908 |
|  | 38910 | 38911 | 38912 | 38913 | 38914 | 38918 | 3892 | 38921 | 38922 | 3897 | 3898 | 3899 |
|  | V412 | V413 | V4985 | V532 | V721 |  |  |  |  |  |  |  |

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| **95** | **Other nervous system disorders** | | | | | | | | | | | |
|  | 325 | 3321 | 32702 | 32715 | 32730 | 32731 | 32732 | 32733 | 32734 | 32735 | 32736 | 32737 |
|  | 32739 | 32753 | 33183 | 33720 | 33721 | 33722 | 33729 | 3410 | 3411 | 3418 | 3419 | 34461 |
|  | 347 | 34700 | 34701 | 34710 | 34711 | 3480 | 3482 | 3483 | 34830 | 34831 | 34839 | 3484 |
|  | 3485 | 3488 | 34881 | 34882 | 34889 | 3489 | 3492 | 34981 | 34982 | 34989 | 3499 | 3501 |
|  | 3502 | 3508 | 3509 | 3510 | 3511 | 3518 | 3519 | 3520 | 3521 | 3522 | 3523 | 3524 |
|  | 3525 | 3526 | 3529 | 3530 | 3531 | 3532 | 3533 | 3534 | 3535 | 3536 | 3538 | 3539 |
|  | 3540 | 3541 | 3542 | 3543 | 3544 | 3545 | 3548 | 3549 | 3550 | 3551 | 3552 | 3553 |
|  | 3554 | 3555 | 3556 | 3557 | 35571 | 35579 | 3558 | 3559 | 3560 | 3561 | 3562 | 3563 |
|  | 3564 | 3568 | 3569 | 3570 | 3571 | 3572 | 3573 | 3574 | 3576 | 3577 | 3578 | 35781 |
|  | 35782 | 35789 | 3579 | 3580 | 35800 | 35801 | 3581 | 3582 | 35830 | 35839 | 3588 | 3589 |
|  | 3590 | 3591 | 3592 | 35921 | 35922 | 35923 | 35924 | 35929 | 3593 | 3594 | 3595 | 3596 |
|  | 35971 | 35979 | 3598 | 35981 | 35989 | 3599 | 7810 | 7811 | 7812 | 7813 | 7817 | 7818 |
|  | 7820 | 7843 | 7845 | 78451 | 78452 | 78459 | 78460 | 78461 | 78469 | 7920 | 7930 | 79400 |
|  | 79401 | 79402 | 79409 | 79410 | 79411 | 79412 | 79413 | 79414 | 79415 | 79416 | 79417 | 79419 |
|  | 7961 | 79951 | 79952 | 79953 | 79954 | 79955 | 79959 | V124 | V1240 | V1241 | V1242 | V1249 |
|  | V415 | V452 | V484 | V485 | V493 | V530 | V5301 | V5302 | V5309 |  |  |  |

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| **96** | **Heart valve disorders** | | | | | | | | | | | |
|  | 3940 | 3941 | 3942 | 3949 | 3950 | 3951 | 3952 | 3959 | 3960 | 3961 | 3962 | 3963 |
|  | 3968 | 3969 | 3970 | 3971 | 3979 | 4240 | 4241 | 4242 | 4243 | 42490 | 42491 | 42499 |
|  | 7852 | 7853 | V422 | V433 |  |  |  |  |  |  |  |  |

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| **97** | **Peri-; endo-; and myocarditis; cardiomyopathy (except that caused by tuberculosis or sexually transmitted disease)** | | | | | | | | | | | |
|  | 03282 | 03640 | 03641 | 03642 | 03643 | 07420 | 07421 | 07422 | 07423 | 11281 | 11503 | 11504 |
|  | 11513 | 11514 | 11593 | 11594 | 1303 | 3910 | 3911 | 3912 | 3918 | 3919 | 3920 | 393 |
|  | 3980 | 39890 | 39899 | 4200 | 42090 | 42091 | 42099 | 4210 | 4211 | 4219 | 4220 | 42290 |
|  | 42291 | 42292 | 42293 | 42299 | 4230 | 4231 | 4232 | 4238 | 4239 | 4250 | 42511 | 42518 |
|  | 4252 | 4253 | 4254 | 4257 | 4258 | 4259 | 4290 |  |  |  |  |  |

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| **98** | **Essential hypertension** | | | | | | | | | | | |
|  | 4011 | 4019 |  |  |  |  |  |  |  |  |  |  |

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| **99** | **Hypertension with complications and secondary hypertension** | | | | | | | | | | | |
|  | 4010 | 40200 | 40201 | 40210 | 40211 | 40290 | 40291 | 4030 | 40300 | 40301 | 4031 | 40310 |
|  | 40311 | 4039 | 40390 | 40391 | 4040 | 40400 | 40401 | 40402 | 40403 | 4041 | 40410 | 40411 |
|  | 40412 | 40413 | 4049 | 40490 | 40491 | 40492 | 40493 | 40501 | 40509 | 40511 | 40519 | 40591 |
|  | 40599 | 4372 |  |  |  |  |  |  |  |  |  |  |

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| **100** | **Acute myocardial infarction** | | | | | | | | | | | |
|  | 4100 | 41000 | 41001 | 41002 | 4101 | 41010 | 41011 | 41012 | 4102 | 41020 | 41021 | 41022 |
|  | 4103 | 41030 | 41031 | 41032 | 4104 | 41040 | 41041 | 41042 | 4105 | 41050 | 41051 | 41052 |
|  | 4106 | 41060 | 41061 | 41062 | 4107 | 41070 | 41071 | 41072 | 4108 | 41080 | 41081 | 41082 |
|  | 4109 | 41090 | 41091 | 41092 |  |  |  |  |  |  |  |  |

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| **101** | **Coronary atherosclerosis and other heart disease** | | | | | | | | | | | |
|  | 4110 | 4111 | 4118 | 41181 | 41189 | 412 | 4130 | 4131 | 4139 | 4140 | 41400 | 41401 |
|  | 41406 | 4148 | 4149 | V4581 | V4582 |  |  |  |  |  |  |  |

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| **102** | **Nonspecific chest pain** | | | | | | | | | | | |
|  | 78650 | 78651 | 78659 |  |  |  |  |  |  |  |  |  |

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| **103** | **Pulmonary heart disease** | | | | | | | | | | | |
|  | 4150 | 4151 | 41512 | 41513 | 41519 | 4160 | 4161 | 4162 | 4168 | 4169 | 4170 | 4171 |
|  | 4178 | 4179 |  |  |  |  |  |  |  |  |  |  |

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| **104** | **Other and ill-defined heart disease** | | | | | | | | | | | |
|  | 41410 | 41411 | 41412 | 41419 | 4291 | 4292 | 4293 | 4295 | 4296 | 42971 | 42979 | 42981 |
|  | 42982 | 42989 | 4299 |  |  |  |  |  |  |  |  |  |

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| **105** | **Conduction disorders** | | | | | | | | | | | |
|  | 4260 | 42610 | 42611 | 42612 | 42613 | 4262 | 4263 | 4264 | 42650 | 42651 | 42652 | 42653 |
|  | 42654 | 4266 | 4267 | 42681 | 42682 | 42689 | 4269 | V450 | V4500 | V4501 | V4502 | V4509 |
|  | V533 | V5331 | V5332 | V5339 |  |  |  |  |  |  |  |  |

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| **106** | **Cardiac dysrhythmias** | | | | | | | | | | | |
|  | 4270 | 4271 | 4272 | 42731 | 42732 | 42760 | 42761 | 42769 | 42781 | 42789 | 4279 | 7850 |
|  | 7851 |  |  |  |  |  |  |  |  |  |  |  |

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| **107** | **Cardiac arrest and ventricular fibrillation** | | | | | | | | | | | |
|  | 42741 | 42742 | 4275 |  |  |  |  |  |  |  |  |  |

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| **108** | **Congestive heart failure; nonhypertensive** | | | | | | | | | | | |
|  | 39891 | 4280 | 4281 | 42820 | 42821 | 42822 | 42823 | 42830 | 42831 | 42832 | 42833 | 42840 |
|  | 42841 | 42842 | 42843 | 4289 |  |  |  |  |  |  |  |  |

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| **109** | **Acute cerebrovascular disease** | | | | | | | | | | | |
|  | 34660 | 34661 | 34662 | 34663 | 430 | 431 | 4320 | 4321 | 4329 | 43301 | 43311 | 43321 |
|  | 43331 | 43381 | 43391 | 4340 | 43400 | 43401 | 4341 | 43410 | 43411 | 4349 | 43490 | 43491 |
|  | 436 |  |  |  |  |  |  |  |  |  |  |  |

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| **110** | **Occlusion or stenosis of precerebral arteries** | | | | | | | | | | | |
|  | 4330 | 43300 | 4331 | 43310 | 4332 | 43320 | 4333 | 43330 | 4338 | 43380 | 4339 | 43390 |

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| **111** | **Other and ill-defined cerebrovascular disease** | | | | | | | | | | | |
|  | 4370 | 4371 | 4373 | 4374 | 4375 | 4376 | 4377 | 4378 | 4379 |  |  |  |

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| **112** | **Transient cerebral ischemia** | | | | | | | | | | | |
|  | 4350 | 4351 | 4352 | 4353 | 4358 | 4359 |  |  |  |  |  |  |

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| **113** | **Late effects of cerebrovascular disease** | | | | | | | | | | | |
|  | 438 | 4380 | 43810 | 43811 | 43812 | 43813 | 43814 | 43819 | 43820 | 43821 | 43822 | 43830 |
|  | 43831 | 43832 | 43840 | 43841 | 43842 | 43850 | 43851 | 43852 | 43853 | 4386 | 4387 | 43881 |
|  | 43882 | 43883 | 43884 | 43885 | 43889 | 4389 |  |  |  |  |  |  |

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| **114** | **Peripheral and visceral atherosclerosis** | | | | | | | | | | | |
|  | 4400 | 4401 | 4402 | 44020 | 44021 | 44022 | 44023 | 44029 | 4404 | 4408 | 4409 | 4439 |
|  | 5570 | 5571 | 5579 |  |  |  |  |  |  |  |  |  |

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| **115** | **Aortic; peripheral; and visceral artery aneurysms** | | | | | | | | | | | |
|  | 4410 | 44100 | 44101 | 44102 | 44103 | 4411 | 4412 | 4413 | 4414 | 4415 | 4416 | 4417 |
|  | 4419 | 4420 | 4421 | 4422 | 4423 | 44281 | 44282 | 44283 | 44284 | 44289 | 4429 | 44321 |
|  | 44322 | 44323 | 44324 | 44329 | 44770 | 44771 | 44772 | 44773 |  |  |  |  |

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| **116** | **Aortic and peripheral arterial embolism or thrombosis** | | | | | | | | | | | |
|  | 44409 | 4441 | 44421 | 44422 | 44481 | 44489 | 4449 | 44501 | 44502 | 44581 | 44589 |  |

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| **117** | **Other circulatory disease** | | | | | | | | | | | |
|  | 4430 | 4431 | 44381 | 44382 | 44389 | 4460 | 4461 | 4462 | 44620 | 44621 | 44629 | 4463 |
|  | 4464 | 4465 | 4466 | 4467 | 4470 | 4471 | 4472 | 4473 | 4474 | 4475 | 4476 | 4478 |
|  | 4479 | 4480 | 4481 | 4489 | 4580 | 4581 | 4588 | 4589 | 4590 | 45989 | 4599 | 7859 |
|  | 79430 | 79431 | 79439 | 7962 | V125 | V1250 | V1253 | V1254 | V1259 | V151 | V421 | V432 |
|  | V4321 | V4322 | V434 | V717 |  |  |  |  |  |  |  |  |

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| **118** | **Phlebitis; thrombophlebitis and thromboembolism** | | | | | | | | | | | |
|  | 4510 | 45111 | 45119 | 4512 | 45181 | 45182 | 45183 | 45184 | 45189 | 4519 | 452 | 4530 |
|  | 4531 | 4532 | 4533 | 45340 | 45341 | 45342 | 45351 | 45352 | 4536 | 45371 | 45372 | 45373 |
|  | 45374 | 45375 | 45376 | 45377 | 45379 | 4538 | 45382 | 45386 | 45387 | 4539 | V1251 | V1252 |
|  | V1255 |  |  |  |  |  |  |  |  |  |  |  |

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| **119** | **Varicose veins of lower extremity** | | | | | | | | | | | |
|  | 4540 | 4541 | 4542 | 4548 | 4549 |  |  |  |  |  |  |  |

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| **120** | **Hemorrhoids** | | | | | | | | | | | |
|  | 4550 | 4551 | 4552 | 4553 | 4554 | 4555 | 4556 | 4557 | 4558 | 4559 |  |  |

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| **121** | **Other diseases of veins and lymphatics** | | | | | | | | | | | |
|  | 4563 | 4564 | 4565 | 4566 | 4568 | 4570 | 4571 | 4572 | 4578 | 4579 | 4591 | 45910 |
|  | 45911 | 45912 | 45913 | 45919 | 4592 | 45930 | 45931 | 45932 | 45933 | 45939 | 45981 |  |

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| **122** | **Pneumonia (except that caused by tuberculosis or sexually transmitted disease)** | | | | | | | | | | | |
|  | 00322 | 0203 | 0204 | 0205 | 0212 | 0221 | 0310 | 0391 | 0521 | 0551 | 0730 | 0830 |
|  | 1124 | 1140 | 1144 | 1145 | 11505 | 11515 | 11595 | 1304 | 1363 | 4800 | 4801 | 4802 |
|  | 4803 | 4808 | 4809 | 481 | 4820 | 4821 | 4822 | 4823 | 48230 | 48231 | 48232 | 48239 |
|  | 4824 | 48240 | 48241 | 48249 | 4828 | 48281 | 48282 | 48283 | 48284 | 48289 | 4829 | 483 |
|  | 4830 | 4831 | 4838 | 4841 | 4843 | 4845 | 4846 | 4847 | 4848 | 485 | 486 | 5130 |
|  | 5171 |  |  |  |  |  |  |  |  |  |  |  |

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| **123** | **Influenza** | | | | | | | | | | | |
|  | 4870 | 4871 | 4878 | 488 | 4880 | 48801 | 48802 | 48809 | 4881 | 48811 | 48812 | 48819 |
|  | 48881 | 48882 | 48889 |  |  |  |  |  |  |  |  |  |

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| **124** | **Acute and chronic tonsillitis** | | | | | | | | | | | |
|  | 463 | 4740 | 47400 | 47401 | 47402 | 47410 | 47411 | 47412 | 4742 | 4748 | 4749 | 475 |

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| **125** | **Acute bronchitis** | | | | | | | | | | | |
|  | 4660 | 4661 | 46611 | 46619 |  |  |  |  |  |  |  |  |

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| **126** | **Other upper respiratory infections** | | | | | | | | | | | |
|  | 0320 | 0321 | 0322 | 0323 | 0340 | 460 | 4610 | 4611 | 4612 | 4613 | 4618 | 4619 |
|  | 462 | 4640 | 46400 | 46401 | 46410 | 46411 | 46420 | 46421 | 46430 | 46431 | 4644 | 46450 |
|  | 46451 | 4650 | 4658 | 4659 | 4730 | 4731 | 4732 | 4733 | 4738 | 4739 |  |  |

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| **127** | **Chronic obstructive pulmonary disease and bronchiectasis** | | | | | | | | | | | |
|  | 490 | 4910 | 4911 | 4912 | 49120 | 49121 | 49122 | 4918 | 4919 | 4920 | 4928 | 494 |
|  | 4940 | 4941 | 496 |  |  |  |  |  |  |  |  |  |

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| **128** | **Asthma** | | | | | | | | | | | |
|  | 49300 | 49301 | 49302 | 49310 | 49311 | 49312 | 49320 | 49321 | 49322 | 49381 | 49382 | 49390 |
|  | 49391 | 49392 |  |  |  |  |  |  |  |  |  |  |

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| **129** | **Aspiration pneumonitis; food/vomitus** | | | | | | | | | | | |
|  | 5070 |  |  |  |  |  |  |  |  |  |  |  |

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| **130** | **Pleurisy; pneumothorax; pulmonary collapse** | | | | | | | | | | | |
|  | 5100 | 5109 | 5110 | 5111 | 5118 | 5119 | 5120 | 51281 | 51282 | 51283 | 51284 | 51289 |
|  | 5180 | 5181 | 5182 |  |  |  |  |  |  |  |  |  |

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| **131** | **Respiratory failure; insufficiency; arrest (adult)** | | | | | | | | | | | |
|  | 5173 | 51851 | 51852 | 51853 | 51881 | 51882 | 51883 | 51884 | 7991 | V461 | V4611 | V4612 |
|  | V4613 | V4614 | V462 |  |  |  |  |  |  |  |  |  |

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| **132** | **Lung disease due to external agents** | | | | | | | | | | | |
|  | 4950 | 4951 | 4952 | 4953 | 4954 | 4955 | 4956 | 4957 | 4958 | 4959 | 500 | 501 |
|  | 502 | 503 | 504 | 505 | 5060 | 5061 | 5062 | 5063 | 5064 | 5069 | 5071 | 5078 |
|  | 5080 | 5081 | 5082 | 5088 | 5089 |  |  |  |  |  |  |  |

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| **133** | **Other lower respiratory disease** | | | | | | | | | | | |
|  | 5131 | 514 | 515 | 5160 | 5161 | 5162 | 51630 | 51631 | 51632 | 51633 | 51634 | 51635 |
|  | 51636 | 51637 | 5164 | 5165 | 51661 | 51662 | 51663 | 51664 | 51669 | 5168 | 5169 | 5172 |
|  | 5178 | 5183 | 5184 | 51889 | 5194 | 5198 | 5199 | 7825 | 78600 | 78601 | 78602 | 78603 |
|  | 78604 | 78605 | 78606 | 78607 | 78609 | 7862 | 7863 | 7864 | 78652 | 7866 | 7867 | 7868 |
|  | 7869 | 79311 | 79319 | 7942 | V126 | V1260 | V1261 | V1269 | V426 |  |  |  |

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| **134** | **Other upper respiratory disease** | | | | | | | | | | | |
|  | 470 | 4710 | 4711 | 4718 | 4719 | 4720 | 4721 | 4722 | 4760 | 4761 | 4770 | 4772 |
|  | 4778 | 4779 | 4780 | 4781 | 47820 | 47821 | 47822 | 47824 | 47825 | 47826 | 47829 | 47830 |
|  | 47831 | 47832 | 47833 | 47834 | 4784 | 4785 | 4786 | 47870 | 47871 | 47874 | 47875 | 47879 |
|  | 4788 | 4789 | 5191 | 5192 | 5193 | 7841 | 78440 | 78441 | 78442 | 78443 | 78444 | 78449 |
|  | 7847 | 7848 | 7849 | 7861 | V414 | V440 | V550 |  |  |  |  |  |

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| **135** | **Intestinal infection** | | | | | | | | | | | |
|  | 0010 | 0011 | 0019 | 0020 | 0021 | 0022 | 0023 | 0029 | 0030 | 00320 | 00329 | 0038 |
|  | 0039 | 0040 | 0041 | 0042 | 0043 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 |
|  | 0058 | 00581 | 00589 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0068 |
|  | 0069 | 0070 | 0071 | 0072 | 0073 | 0074 | 0075 | 0078 | 0079 | 0080 | 00800 | 00801 |
|  | 00802 | 00803 | 00804 | 00809 | 0081 | 0082 | 0083 | 00841 | 00842 | 00843 | 00844 | 00845 |
|  | 00846 | 00847 | 00849 | 0085 | 0086 | 00861 | 00862 | 00863 | 00864 | 00865 | 00866 | 00867 |
|  | 00869 | 0088 | 0090 | 0091 | 0092 | 0093 | 0211 | 0222 |  |  |  |  |

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| **136** | **Disorders of teeth and jaw** | | | | | | | | | | | |
|  | 5200 | 5201 | 5202 | 5203 | 5204 | 5205 | 5206 | 5207 | 5208 | 5209 | 5210 | 52100 |
|  | 52101 | 52102 | 52103 | 52104 | 52105 | 52106 | 52107 | 52108 | 52109 | 5211 | 52110 | 52111 |
|  | 52112 | 52113 | 52114 | 52115 | 5212 | 52120 | 52121 | 52122 | 52123 | 52124 | 52125 | 5213 |
|  | 52130 | 52131 | 52132 | 52133 | 52134 | 52135 | 5214 | 52140 | 52141 | 52142 | 52149 | 5215 |
|  | 5216 | 5217 | 5218 | 5219 | 5220 | 5221 | 5222 | 5223 | 5224 | 5225 | 5226 | 5227 |
|  | 5228 | 5229 | 5230 | 5231 | 5232 | 52320 | 52321 | 52322 | 52323 | 52324 | 52325 | 5233 |
|  | 5234 | 5235 | 5236 | 5238 | 5239 | 5240 | 52400 | 52401 | 52402 | 52403 | 52404 | 52405 |
|  | 52406 | 52407 | 52409 | 5241 | 52410 | 52411 | 52412 | 52419 | 5242 | 52420 | 52421 | 52422 |
|  | 52423 | 52424 | 52425 | 52426 | 52427 | 52428 | 52429 | 5243 | 52430 | 52431 | 52432 | 52433 |
|  | 52434 | 52435 | 52436 | 52437 | 52439 | 5244 | 5245 | 52450 | 52451 | 52452 | 52453 | 52454 |
|  | 52455 | 52456 | 52457 | 52459 | 5246 | 52460 | 52461 | 52462 | 52463 | 52464 | 52469 | 52470 |
|  | 52471 | 52472 | 52473 | 52474 | 52475 | 52476 | 52479 | 5248 | 52481 | 52482 | 52489 | 5249 |
|  | 5250 | 5251 | 52510 | 52511 | 52512 | 52513 | 52519 | 5252 | 52520 | 52521 | 52522 | 52523 |
|  | 52524 | 52525 | 52526 | 5253 | 52540 | 52541 | 52542 | 52543 | 52544 | 52550 | 52551 | 52552 |
|  | 52553 | 52554 | 52571 | 52572 | 52573 | 52579 | 5258 | 5259 | 5260 | 5261 | 5262 | 5263 |
|  | 5264 | 5265 | 52681 | 52689 | 5269 | 78492 | V523 | V534 | V585 | V722 |  |  |

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| **137** | **Diseases of mouth; excluding dental** | | | | | | | | | | | |
|  | 5270 | 5271 | 5272 | 5273 | 5274 | 5275 | 5276 | 5277 | 5278 | 5279 | 5280 | 5281 |
|  | 5282 | 5283 | 5284 | 5285 | 5286 | 5287 | 52871 | 52872 | 52879 | 5288 | 5289 | 5290 |
|  | 5291 | 5292 | 5293 | 5294 | 5295 | 5296 | 5298 | 5299 | 7924 |  |  |  |

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| **138** | **Esophageal disorders** | | | | | | | | | | | |
|  | 4561 | 45621 | 5300 | 5301 | 53010 | 53011 | 53012 | 53019 | 5302 | 53020 | 53021 | 5303 |
|  | 5304 | 5305 | 5306 | 5308 | 53081 | 53083 | 53084 | 53085 | 53089 | 5309 |  |  |

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| **139** | **Gastroduodenal ulcer (except hemorrhage)** | | | | | | | | | | | |
|  | 53110 | 53111 | 53130 | 53131 | 53150 | 53151 | 53170 | 53171 | 53190 | 53191 | 53210 | 53211 |
|  | 53230 | 53231 | 53250 | 53251 | 53270 | 53271 | 53290 | 53291 | 53310 | 53311 | 53330 | 53331 |
|  | 53350 | 53351 | 53370 | 53371 | 53390 | 53391 | 53410 | 53411 | 53430 | 53431 | 53450 | 53451 |
|  | 53470 | 53471 | 53490 | 53491 | V1271 |  |  |  |  |  |  |  |

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| **140** | **Gastritis and duodenitis** | | | | | | | | | | | |
|  | 5350 | 53500 | 53501 | 5351 | 53510 | 53511 | 5352 | 53520 | 53521 | 5353 | 5354 | 53540 |
|  | 53541 | 5355 | 53550 | 53551 | 5356 | 53560 | 53561 | 53571 |  |  |  |  |

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| **141** | **Other disorders of stomach and duodenum** | | | | | | | | | | | |
|  | 5360 | 5361 | 5362 | 5363 | 5368 | 5369 | 5370 | 5371 | 5372 | 5373 | 5374 | 5375 |
|  | 5376 | 53781 | 53782 | 53783 | 53784 | 53789 | 5379 |  |  |  |  |  |

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| **142** | **Appendicitis and other appendiceal conditions** | | | | | | | | | | | |
|  | 5400 | 5401 | 5409 | 541 | 542 | 5430 | 5439 |  |  |  |  |  |

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| **143** | **Abdominal hernia** | | | | | | | | | | | |
|  | 55000 | 55001 | 55002 | 55003 | 55010 | 55011 | 55012 | 55013 | 55090 | 55091 | 55092 | 55093 |
|  | 55100 | 55101 | 55102 | 55103 | 5511 | 55120 | 55121 | 55129 | 5513 | 5518 | 5519 | 55200 |
|  | 55201 | 55202 | 55203 | 5521 | 55220 | 55221 | 55229 | 5523 | 5528 | 5529 | 55300 | 55301 |
|  | 55302 | 55303 | 5531 | 55320 | 55321 | 55329 | 5533 | 5538 | 5539 |  |  |  |

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| **144** | **Regional enteritis and ulcerative colitis** | | | | | | | | | | | |
|  | 5550 | 5551 | 5552 | 5559 | 556 | 5560 | 5561 | 5562 | 5563 | 5564 | 5565 | 5566 |
|  | 5568 | 5569 |  |  |  |  |  |  |  |  |  |  |

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| **145** | **Intestinal obstruction without hernia** | | | | | | | | | | | |
|  | 5600 | 5601 | 5602 | 56030 | 56031 | 56032 | 56039 | 56081 | 56089 | 5609 |  |  |

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| **146** | **Diverticulosis and diverticulitis** | | | | | | | | | | | |
|  | 56200 | 56201 | 56202 | 56203 | 56210 | 56211 | 56212 | 56213 |  |  |  |  |

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| **147** | **Anal and rectal conditions** | | | | | | | | | | | |
|  | 5646 | 5650 | 5651 | 566 | 5690 | 5691 | 5692 | 56941 | 56942 | 56943 | 56944 | 56949 |

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| **148** | **Peritonitis and intestinal abscess** | | | | | | | | | | | |
|  | 03283 | 5670 | 5671 | 5672 | 56721 | 56722 | 56723 | 56729 | 56738 | 56739 | 5678 | 56781 |
|  | 56782 | 56789 | 5679 | 5695 |  |  |  |  |  |  |  |  |

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| **149** | **Biliary tract disease** | | | | | | | | | | | |
|  | 57400 | 57401 | 57410 | 57411 | 57420 | 57421 | 57430 | 57431 | 57440 | 57441 | 57450 | 57451 |
|  | 57460 | 57461 | 57470 | 57471 | 57480 | 57481 | 57490 | 57491 | 5750 | 5751 | 57510 | 57511 |
|  | 57512 | 5752 | 5753 | 5754 | 5755 | 5756 | 5758 | 5759 | 5760 | 5761 | 5762 | 5763 |
|  | 5764 | 5765 | 5768 | 5769 | 7933 |  |  |  |  |  |  |  |

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| **151** | **Other liver diseases** | | | | | | | | | | | |
|  | 570 | 5715 | 5716 | 5718 | 5719 | 5720 | 5721 | 5722 | 5723 | 5724 | 5728 | 5730 |
|  | 5734 | 5738 | 5739 | 7824 | 7891 | 7895 | 7904 | 7905 | 7948 | V427 |  |  |

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| **152** | **Pancreatic disorders (not diabetes)** | | | | | | | | | | | |
|  | 5770 | 5771 | 5772 | 5778 | 5779 | 5794 |  |  |  |  |  |  |

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| **153** | **Gastrointestinal hemorrhage** | | | | | | | | | | | |
|  | 4560 | 45620 | 5307 | 53082 | 53100 | 53101 | 53120 | 53121 | 53140 | 53141 | 53160 | 53161 |
|  | 53200 | 53201 | 53220 | 53221 | 53240 | 53241 | 53260 | 53261 | 53300 | 53301 | 53320 | 53321 |
|  | 53340 | 53341 | 53360 | 53361 | 53400 | 53401 | 53420 | 53421 | 53440 | 53441 | 53460 | 53461 |
|  | 5693 | 5780 | 5781 | 5789 |  |  |  |  |  |  |  |  |

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| **154** | **Noninfectious gastroenteritis** | | | | | | | | | | | |
|  | 55841 | 55842 | 5589 |  |  |  |  |  |  |  |  |  |

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| **155** | **Other gastrointestinal disorders** | | | | | | | | | | | |
|  | 5581 | 5582 | 5640 | 56400 | 56401 | 56402 | 56409 | 5641 | 5645 | 5647 | 5648 | 56481 |
|  | 56489 | 5649 | 5680 | 56881 | 56882 | 56889 | 5689 | 56981 | 56982 | 56983 | 56984 | 56985 |
|  | 56986 | 56987 | 56989 | 5699 | 5790 | 5791 | 5792 | 5798 | 5799 | 7871 | 7872 | 78722 |
|  | 78723 | 78724 | 78729 | 7873 | 7874 | 7875 | 7876 | 78761 | 78762 | 78763 | 7877 | 7879 |
|  | 78791 | 78799 | 7892 | 7893 | 78930 | 78931 | 78932 | 78933 | 78934 | 78935 | 78936 | 78937 |
|  | 78939 | 7894 | 78940 | 78941 | 78942 | 78943 | 78944 | 78945 | 78946 | 78947 | 78949 | 7899 |
|  | 7921 | 7934 | 7936 | V127 | V1270 | V1279 | V416 | V441 | V442 | V443 | V444 | V453 |
|  | V473 | V535 | V5350 | V5351 | V5359 | V551 | V552 | V553 | V554 |  |  |  |

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| **156** | **Nephritis; nephrosis; renal sclerosis** | | | | | | | | | | | |
|  | 5800 | 5804 | 58081 | 58089 | 5809 | 5810 | 5811 | 5812 | 5813 | 58181 | 58189 | 5819 |
|  | 5820 | 5821 | 5822 | 5824 | 58281 | 58289 | 5829 | 5830 | 5831 | 5832 | 5834 | 5836 |
|  | 5837 | 58381 | 58389 | 5839 | 587 |  |  |  |  |  |  |  |

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| **157** | **Acute and unspecified renal failure** | | | | | | | | | | | |
|  | 5845 | 5846 | 5847 | 5848 | 5849 | 586 |  |  |  |  |  |  |

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| **158** | **Chronic kidney failure** | | | | | | | | | | | |
|  | 585 | 5851 | 5852 | 5853 | 5854 | 5855 | 5856 | 5859 | 7925 | V420 | V451 | V4512 |
|  | V560 | V561 | V562 | V5631 | V5632 | V568 |  |  |  |  |  |  |

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| **159** | **Urinary tract infections** | | | | | | | | | | | |
|  | 03284 | 59000 | 59001 | 59010 | 59011 | 5902 | 5903 | 59080 | 59081 | 5909 | 5950 | 5951 |
|  | 5952 | 5953 | 5954 | 59581 | 59582 | 59589 | 5959 | 5970 | 59780 | 59781 | 59789 | 59800 |
|  | 59801 | 5990 |  |  |  |  |  |  |  |  |  |  |

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| **160** | **Calculus of urinary tract** | | | | | | | | | | | |
|  | 5920 | 5921 | 5929 | 5940 | 5941 | 5942 | 5948 | 5949 | 7880 | V1301 |  |  |

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| **161** | **Other diseases of kidney and ureters** | | | | | | | | | | | |
|  | 5880 | 5881 | 5888 | 58881 | 58889 | 5889 | 5890 | 5891 | 5899 | 591 | 5930 | 5931 |
|  | 5932 | 5933 | 5934 | 5935 | 5936 | 5937 | 59370 | 59371 | 59372 | 59373 | 59381 | 59382 |
|  | 59389 | 5939 |  |  |  |  |  |  |  |  |  |  |

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| **162** | **Other diseases of bladder and urethra** | | | | | | | | | | | |
|  | 5960 | 5961 | 5962 | 5963 | 5964 | 5965 | 59651 | 59652 | 59653 | 59654 | 59655 | 59659 |
|  | 5966 | 5967 | 5969 | 5981 | 5982 | 5988 | 5989 | 5991 | 5992 | 5993 | 5994 | 5995 |
|  | 59981 | 59982 | 59983 | 59984 |  |  |  |  |  |  |  |  |

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| **163** | **Genitourinary symptoms and ill-defined conditions** | | | | | | | | | | | |
|  | 5996 | 59960 | 59969 | 5997 | 5998 | 59989 | 5999 | 7881 | 7882 | 78820 | 78821 | 78829 |
|  | 7883 | 78830 | 78831 | 78832 | 78833 | 78834 | 78835 | 78836 | 78837 | 78838 | 78839 | 7884 |
|  | 78841 | 78842 | 78843 | 7885 | 7886 | 78861 | 78862 | 78863 | 78869 | 7887 | 7888 | 7889 |
|  | 7910 | 7911 | 7912 | 7913 | 7914 | 7917 | 7919 | 7935 | 7944 | V130 | V1300 | V1302 |
|  | V1303 | V1309 | V417 | V435 | V445 | V4450 | V4451 | V4452 | V4459 | V446 | V474 | V475 |
|  | V536 | V555 | V556 |  |  |  |  |  |  |  |  |  |

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| **164** | **Hyperplasia of prostate** | | | | | | | | | | | |
|  | 600 | 6000 | 60000 | 60001 | 6001 | 60010 | 60011 | 6002 | 60020 | 60021 | 6003 | 6009 |
|  | 60090 | 60091 |  |  |  |  |  |  |  |  |  |  |

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| **165** | **Inflammatory conditions of male genital organs** | | | | | | | | | | | |
|  | 6010 | 6011 | 6012 | 6013 | 6014 | 6018 | 6019 | 6031 | 6040 | 60490 | 60491 | 60499 |
|  | 6071 | 6072 | 6080 | 6084 |  |  |  |  |  |  |  |  |

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| **166** | **Other male genital disorders** | | | | | | | | | | | |
|  | 6020 | 6021 | 6022 | 6023 | 6028 | 6029 | 6030 | 6038 | 6039 | 605 | 6060 | 6061 |
|  | 6068 | 6069 | 6070 | 6073 | 60781 | 60782 | 60783 | 60784 | 60785 | 60789 | 6079 | 6081 |
|  | 6082 | 6083 | 60881 | 60882 | 60883 | 60884 | 60885 | 60886 | 60887 | 60889 | 6089 | 7922 |

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| **167** | **Nonmalignant breast conditions** | | | | | | | | | | | |
|  | 6100 | 6101 | 6102 | 6103 | 6104 | 6108 | 6109 | 6110 | 6111 | 6112 | 6113 | 6114 |
|  | 6115 | 6116 | 61171 | 61172 | 61179 | 6118 | 61181 | 61182 | 61183 | 61189 | 6119 | 6120 |
|  | 6121 | 7938 | 79380 | 79381 | 79389 |  |  |  |  |  |  |  |

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| **168** | **Inflammatory diseases of female pelvic organs** | | | | | | | | | | | |
|  | 6140 | 6141 | 6142 | 6143 | 6144 | 6145 | 6146 | 6147 | 6148 | 6149 | 6150 | 6151 |
|  | 6159 | 6160 | 61610 | 61611 | 6162 | 6163 | 6164 | 61650 | 61651 | 6168 | 6169 | 62571 |

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| **169** | **Endometriosis** | | | | | | | | | | | |
|  | 6170 | 6171 | 6172 | 6173 | 6174 | 6175 | 6176 | 6178 | 6179 |  |  |  |

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| **170** | **Prolapse of female genital organs** | | | | | | | | | | | |
|  | 6180 | 61800 | 61801 | 61802 | 61803 | 61804 | 61805 | 61809 | 6181 | 6182 | 6183 | 6184 |
|  | 6185 | 6186 | 6187 | 6188 | 61881 | 61882 | 61883 | 61889 | 6189 |  |  |  |

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| **171** | **Menstrual disorders** | | | | | | | | | | | |
|  | 6253 | 6260 | 6261 | 6262 | 6263 | 6264 | 6265 | 6266 | 6268 | 6269 |  |  |

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| **172** | **Ovarian cyst** | | | | | | | | | | | |
|  | 6200 | 6201 | 6202 |  |  |  |  |  |  |  |  |  |

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| **173** | **Menopausal disorders** | | | | | | | | | | | |
|  | 25631 | 25639 | 6270 | 6271 | 6272 | 6273 | 6274 | 6278 | 6279 | V074 |  |  |

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| **174** | **Female infertility** | | | | | | | | | | | |
|  | 6280 | 6281 | 6282 | 6283 | 6284 | 6288 | 6289 |  |  |  |  |  |

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| **175** | **Other female genital disorders** | | | | | | | | | | | |
|  | 6190 | 6191 | 6192 | 6198 | 6199 | 6203 | 6204 | 6205 | 6206 | 6207 | 6208 | 6209 |
|  | 6210 | 6211 | 6212 | 6213 | 62130 | 62131 | 62132 | 62133 | 62134 | 62135 | 6214 | 6215 |
|  | 6216 | 6217 | 6218 | 6219 | 6220 | 6221 | 62210 | 62211 | 62212 | 6222 | 6223 | 6224 |
|  | 6225 | 6226 | 6227 | 6228 | 6229 | 6230 | 6231 | 6232 | 6233 | 6234 | 6235 | 6236 |
|  | 6237 | 6238 | 6239 | 6240 | 62401 | 62402 | 62409 | 6241 | 6242 | 6243 | 6244 | 6245 |
|  | 6246 | 6248 | 6249 | 6250 | 6251 | 6252 | 6254 | 6255 | 6256 | 62570 | 62579 | 6258 |
|  | 6259 | 6267 | 6290 | 6291 | 62920 | 62921 | 62922 | 62923 | 6298 | 6299 | 79509 | V132 |
|  | V1321 | V1322 | V1323 | V1234 | V1329 | V557 | V723 |  |  |  |  |  |

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| **176** | **Contraceptive and procreative management** | | | | | | | | | | | |
|  | V157 | V2501 | V2502 | V2503 | V2509 | V251 | V2511 | V2513 | V252 | V253 | V2540 | V2541 |
|  | V2542 | V2543 | V2549 | V255 | V258 | V259 | V260 | V261 | V262 | V2621 | V2622 | V2629 |
|  | V263 | V2631 | V2632 | V2633 | V264 | V2641 | V2642 | V2649 | V2651 | V2652 | V268 | V2681 |
|  | V2682 | V2689 | V269 | V455 | V4551 | V4552 | V4559 |  |  |  |  |  |

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| **177** | **Spontaneous abortion** | | | | | | | | | | | |
|  | 63400 | 63401 | 63402 | 63410 | 63411 | 63412 | 63420 | 63421 | 63422 | 63430 | 63431 | 63432 |
|  | 63440 | 63441 | 63442 | 63450 | 63451 | 63452 | 63460 | 63461 | 63462 | 63470 | 63471 | 63472 |
|  | 63480 | 63481 | 63482 | 63490 | 63491 | 63492 |  |  |  |  |  |  |

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| **178** | **Induced abortion** | | | | | | | | | | | |
|  | 63500 | 63501 | 63502 | 63510 | 63511 | 63512 | 63520 | 63521 | 63522 | 63530 | 63531 | 63532 |
|  | 63540 | 63541 | 63542 | 63550 | 63551 | 63552 | 63560 | 63561 | 63562 | 63570 | 63571 | 63572 |
|  | 63580 | 63581 | 63582 | 63590 | 63591 | 63592 | 63600 | 63601 | 63602 | 63610 | 63611 | 63612 |
|  | 63620 | 63621 | 63622 | 63630 | 63631 | 63632 | 63640 | 63641 | 63642 | 63650 | 63651 | 63652 |
|  | 63660 | 63661 | 63662 | 63670 | 63671 | 63672 | 63680 | 63681 | 63682 | 63690 | 63691 | 63692 |
|  | 63700 | 63701 | 63702 | 63710 | 63711 | 63712 | 63720 | 63721 | 63722 | 63730 | 63731 | 63732 |
|  | 63740 | 63741 | 63742 | 63750 | 63751 | 63752 | 63760 | 63761 | 63762 | 63770 | 63771 | 63772 |
|  | 63780 | 63781 | 63782 | 63790 | 63791 | 63792 | 6380 | 6381 | 6382 | 6383 | 6384 | 6385 |
|  | 6386 | 6387 | 6388 | 6389 |  |  |  |  |  |  |  |  |

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| **179** | **Postabortion complications** | | | | | | | | | | | |
|  | 6390 | 6391 | 6392 | 6393 | 6394 | 6395 | 6396 | 6398 | 6399 |  |  |  |

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| **180** | **Ectopic pregnancy** | | | | | | | | | | | |
|  | 6330 | 63300 | 63301 | 6331 | 63310 | 63311 | 6332 | 63320 | 63321 | 6338 | 63380 | 63381 |
|  | 6339 | 63390 | 63391 |  |  |  |  |  |  |  |  |  |

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| **181** | **Other complications of pregnancy** | | | | | | | | | | | |
|  | 630 | 6318 | 632 | 64300 | 64301 | 64303 | 64310 | 64311 | 64313 | 64320 | 64321 | 64323 |
|  | 64380 | 64381 | 64383 | 64390 | 64391 | 64393 | 64600 | 64601 | 64603 | 64610 | 64611 | 64612 |
|  | 64613 | 64614 | 64620 | 64621 | 64622 | 64623 | 64624 | 64630 | 64631 | 64633 | 64640 | 64641 |
|  | 64642 | 64643 | 64644 | 64650 | 64651 | 64652 | 64653 | 64654 | 64660 | 64661 | 64662 | 64663 |
|  | 64664 | 64670 | 64671 | 64673 | 64680 | 64681 | 64682 | 64683 | 64684 | 64690 | 64691 | 64693 |
|  | 64700 | 64701 | 64702 | 64703 | 64704 | 64710 | 64711 | 64712 | 64713 | 64714 | 64720 | 64721 |
|  | 64722 | 64723 | 64724 | 64730 | 64731 | 64732 | 64733 | 64734 | 64740 | 64741 | 64742 | 64743 |
|  | 64744 | 64750 | 64751 | 64752 | 64753 | 64754 | 64760 | 64761 | 64762 | 64763 | 64764 | 64780 |
|  | 64781 | 64782 | 64783 | 64784 | 64790 | 64791 | 64792 | 64793 | 64794 | 64810 | 64811 | 64812 |
|  | 64813 | 64814 | 64820 | 64821 | 64822 | 64823 | 64824 | 64830 | 64831 | 64832 | 64833 | 64834 |
|  | 64840 | 64841 | 64842 | 64843 | 64844 | 64850 | 64851 | 64852 | 64853 | 64854 | 64860 | 64861 |
|  | 64862 | 64863 | 64864 | 64870 | 64871 | 64872 | 64873 | 64874 | 64890 | 64891 | 64892 | 64893 |
|  | 64894 | V2342 | V2387 | V271 | V272 | V273 | V274 | V275 | V276 | V277 | V279 |  |

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| **182** | **Hemorrhage during pregnancy; abruptio placenta; placenta previa** | | | | | | | | | | | |
|  | 64000 | 64001 | 64003 | 64080 | 64081 | 64083 | 64090 | 64091 | 64093 | 64100 | 64101 | 64103 |
|  | 64110 | 64111 | 64113 | 64120 | 64121 | 64123 | 64130 | 64131 | 64133 | 64180 | 64181 | 64183 |
|  | 64190 | 64191 | 64193 |  |  |  |  |  |  |  |  |  |

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| **183** | **Hypertension complicating pregnancy; childbirth and the puerperium** | | | | | | | | | | | |
|  | 64200 | 64201 | 64202 | 64203 | 64204 | 64210 | 64211 | 64212 | 64213 | 64214 | 64220 | 64221 |
|  | 64222 | 64223 | 64224 | 64230 | 64231 | 64232 | 64233 | 64234 | 64240 | 64241 | 64242 | 64243 |
|  | 64244 | 64250 | 64251 | 64252 | 64253 | 64254 | 64260 | 64261 | 64262 | 64263 | 64264 | 64270 |
|  | 64271 | 64272 | 64273 | 64274 | 64290 | 64291 | 64292 | 64293 | 64294 |  |  |  |

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| **184** | **Early or threatened labor** | | | | | | | | | | | |
|  | 64400 | 64403 | 64410 | 64413 | 64420 | 64421 |  |  |  |  |  |  |

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| **185** | **Prolonged pregnancy** | | | | | | | | | | | |
|  | 64500 | 64501 | 64503 | 64510 | 64511 | 64513 | 64520 | 64521 | 64523 |  |  |  |

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| **186** | **Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium** | | | | | | | | | | | |
|  | 64800 | 64801 | 64802 | 64803 | 64804 | 64880 | 64881 | 64882 | 64883 | 64884 |  |  |

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| **187** | **Malposition; malpresentation** | | | | | | | | | | | |
|  | 65200 | 65201 | 65203 | 65210 | 65211 | 65213 | 65220 | 65221 | 65223 | 65230 | 65231 | 65233 |
|  | 65240 | 65241 | 65243 | 65250 | 65251 | 65253 | 65260 | 65261 | 65263 | 65270 | 65271 | 65273 |
|  | 65280 | 65281 | 65283 | 65290 | 65291 | 65293 | 66000 | 66001 | 66003 |  |  |  |

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| **188** | **Fetopelvic disproportion; obstruction** | | | | | | | | | | | |
|  | 65300 | 65301 | 65303 | 65310 | 65311 | 65313 | 65320 | 65321 | 65323 | 65330 | 65331 | 65333 |
|  | 65340 | 65341 | 65343 | 65350 | 65351 | 65353 | 65360 | 65361 | 65363 | 65370 | 65371 | 65373 |
|  | 65380 | 65381 | 65383 | 65390 | 65391 | 65393 | 66010 | 66011 | 66013 | 66020 | 66021 | 66023 |
|  | 66030 | 66031 | 66033 | 66040 | 66041 | 66043 | 66050 | 66051 | 66053 | 66060 | 66061 | 66063 |
|  | 66070 | 66071 | 66073 | 66080 | 66081 | 66083 | 66090 | 66091 | 66093 | 67810 | 67811 | 67813 |

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| **189** | **Previous C-section** | | | | | | | | | | | |
|  | 65420 | 65421 | 65423 |  |  |  |  |  |  |  |  |  |

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| **190** | **Fetal distress and abnormal forces of labor** | | | | | | | | | | | |
|  | 65630 | 65631 | 65633 | 66100 | 66101 | 66103 | 66110 | 66111 | 66113 | 66120 | 66121 | 66123 |
|  | 66130 | 66131 | 66133 | 66140 | 66141 | 66143 | 66190 | 66191 | 66193 | 66200 | 66201 | 66203 |
|  | 66210 | 66211 | 66213 | 66220 | 66221 | 66223 | 66230 | 66231 | 66233 |  |  |  |

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| **191** | **Polyhydramnios and other problems of amniotic cavity** | | | | | | | | | | | |
|  | 65700 | 65701 | 65703 | 65800 | 65801 | 65803 | 65810 | 65811 | 65813 | 65820 | 65821 | 65823 |
|  | 65830 | 65831 | 65833 | 65840 | 65841 | 65843 | 65880 | 65881 | 65883 | 65890 | 65891 | 65893 |
|  | 7923 |  |  |  |  |  |  |  |  |  |  |  |

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| **192** | **Umbilical cord complication** | | | | | | | | | | | |
|  | 66300 | 66301 | 66303 | 66310 | 66311 | 66313 | 66320 | 66321 | 66323 | 66330 | 66331 | 66333 |
|  | 66340 | 66341 | 66343 | 66350 | 66351 | 66353 | 66360 | 66361 | 66363 | 66380 | 66381 | 66383 |
|  | 66390 | 66391 | 66393 |  |  |  |  |  |  |  |  |  |

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| **193** | **OB-related trauma to perineum and vulva** | | | | | | | | | | | |
|  | 66400 | 66401 | 66404 | 66410 | 66411 | 66414 | 66420 | 66421 | 66424 | 66430 | 66431 | 66434 |
|  | 66440 | 66441 | 66444 | 66450 | 66451 | 66454 | 66460 | 66461 | 66464 | 66480 | 66481 | 66484 |
|  | 66490 | 66491 | 66494 |  |  |  |  |  |  |  |  |  |

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| **194** | **Forceps delivery** | | | | | | | | | | | |
|  | 66950 | 66951 |  |  |  |  |  |  |  |  |  |  |

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| **195** | **Other complications of birth; puerperium affecting management of mother** | | | | | | | | | | | |
|  | 64970 | 64971 | 64973 | 64981 | 64982 | 65103 | 65113 | 65123 | 65130 | 65131 | 65133 | 65140 |
|  | 65141 | 65143 | 65150 | 65151 | 65153 | 65160 | 65161 | 65163 | 65183 | 65193 | 65400 | 65401 |
|  | 65402 | 65403 | 65404 | 65410 | 65411 | 65412 | 65413 | 65414 | 65430 | 65431 | 65432 | 65433 |
|  | 65434 | 65440 | 65441 | 65442 | 65443 | 65444 | 65450 | 65451 | 65452 | 65453 | 65454 | 65460 |
|  | 65461 | 65462 | 65463 | 65464 | 65470 | 65471 | 65472 | 65473 | 65474 | 65480 | 65481 | 65482 |
|  | 65483 | 65484 | 65490 | 65491 | 65492 | 65493 | 65494 | 65500 | 65501 | 65503 | 65510 | 65511 |
|  | 65513 | 65520 | 65521 | 65523 | 65530 | 65531 | 65533 | 65540 | 65541 | 65543 | 65550 | 65551 |
|  | 65553 | 65560 | 65561 | 65563 | 65570 | 65571 | 65573 | 65580 | 65581 | 65583 | 65590 | 65591 |
|  | 65593 | 65600 | 65601 | 65603 | 65610 | 65611 | 65613 | 65620 | 65621 | 65623 | 65640 | 65641 |
|  | 65643 | 65650 | 65651 | 65653 | 65660 | 65661 | 65663 | 65670 | 65671 | 65673 | 65680 | 65681 |
|  | 65683 | 65690 | 65691 | 65693 | 65900 | 65901 | 65903 | 65910 | 65911 | 65913 | 65920 | 65921 |
|  | 65923 | 65930 | 65931 | 65933 | 65940 | 65941 | 65943 | 65950 | 65951 | 65953 | 65960 | 65961 |
|  | 65963 | 65970 | 65971 | 65973 | 65980 | 65981 | 65983 | 65990 | 65991 | 65993 | 66500 | 66501 |
|  | 66503 | 66510 | 66511 | 66512 | 66514 | 66520 | 66522 | 66524 | 66530 | 66531 | 66534 | 66540 |
|  | 66541 | 66544 | 66550 | 66551 | 66554 | 66560 | 66561 | 66564 | 66570 | 66571 | 66572 | 66574 |
|  | 66580 | 66581 | 66582 | 66583 | 66584 | 66590 | 66591 | 66592 | 66593 | 66594 | 66600 | 66602 |
|  | 66604 | 66610 | 66612 | 66614 | 66620 | 66622 | 66624 | 66630 | 66632 | 66634 | 66700 | 66702 |
|  | 66704 | 66710 | 66712 | 66714 | 66800 | 66801 | 66802 | 66803 | 66804 | 66810 | 66811 | 66812 |
|  | 66813 | 66814 | 66820 | 66821 | 66822 | 66823 | 66824 | 66880 | 66881 | 66882 | 66883 | 66884 |
|  | 66890 | 66891 | 66892 | 66893 | 66894 | 66900 | 66901 | 66902 | 66903 | 66904 | 66910 | 66911 |
|  | 66912 | 66913 | 66914 | 66920 | 66921 | 66922 | 66923 | 66924 | 66930 | 66932 | 66934 | 66940 |
|  | 66941 | 66942 | 66943 | 66944 | 66960 | 66961 | 66970 | 66971 | 66980 | 66981 | 66982 | 66983 |
|  | 66984 | 66990 | 66991 | 66992 | 66993 | 66994 | 67000 | 67002 | 67004 | 67010 | 67012 | 67014 |
|  | 67020 | 67022 | 67024 | 67030 | 67032 | 67034 | 67080 | 67082 | 67100 | 67101 | 67102 | 67103 |
|  | 67104 | 67110 | 67111 | 67112 | 67113 | 67114 | 67120 | 67121 | 67122 | 67123 | 67124 | 67130 |
|  | 67131 | 67133 | 67140 | 67142 | 67144 | 67150 | 67151 | 67152 | 67153 | 67154 | 67180 | 67181 |
|  | 67182 | 67183 | 67184 | 67190 | 67191 | 67192 | 67193 | 67194 | 67200 | 67202 | 67204 | 67300 |
|  | 67301 | 67302 | 67303 | 67304 | 67310 | 67311 | 67312 | 67313 | 67314 | 67320 | 67321 | 67322 |
|  | 67323 | 67324 | 67330 | 67331 | 67332 | 67333 | 67334 | 67380 | 67381 | 67382 | 67383 | 67384 |
|  | 67400 | 67401 | 67402 | 67403 | 67404 | 67410 | 67412 | 67414 | 67420 | 67422 | 67424 | 67430 |
|  | 67432 | 67434 | 67440 | 67442 | 67444 | 67450 | 67451 | 67452 | 67453 | 67454 | 67480 | 67482 |
|  | 67484 | 67490 | 67492 | 67494 | 67500 | 67501 | 67502 | 67503 | 67504 | 67510 | 67511 | 67512 |
|  | 67513 | 67514 | 67520 | 67521 | 67522 | 67523 | 67524 | 67580 | 67581 | 67582 | 67583 | 67584 |
|  | 67590 | 67591 | 67592 | 67593 | 67594 | 67600 | 67601 | 67602 | 67603 | 67604 | 67610 | 67611 |
|  | 67612 | 67613 | 67614 | 67620 | 67621 | 67622 | 67623 | 67624 | 67630 | 67631 | 67632 | 67633 |
|  | 67634 | 67640 | 67641 | 67642 | 67643 | 67644 | 67650 | 67651 | 67652 | 67653 | 67654 | 67660 |
|  | 67661 | 67662 | 67663 | 67664 | 67680 | 67681 | 67682 | 67683 | 67684 | 67690 | 67691 | 67692 |
|  | 67693 | 67694 | 677 | 67800 | 67801 | 67803 | 67900 | 67901 | 67902 | 67903 | 67904 | 67910 |
|  | 67911 | 67912 | 67913 | 67914 | V230 | V231 | V232 | V233 | V234 | V2341 | V2349 | V235 |
|  | V237 | V238 | V2381 | V2382 | V2383 | V2384 | V2385 | V2386 | V2389 | V239 |  |  |

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| **196** | **Normal pregnancy and/or delivery** | | | | | | | | | | | |
|  | 650 | 65100 | 65101 | 65110 | 65111 | 65120 | 65121 | 65170 | 65171 | 65173 | 65180 | 65181 |
|  | 65190 | 65191 | V220 | V221 | V222 | V240 | V241 | V242 | V270 | V724 | V7242 | V9100 |
|  | V9101 | V9102 | V9103 | V9109 | V9110 | V9111 | V9112 | V9119 | V9120 | V9121 | V9122 | V9129 |
|  | V9190 | V9191 | V9192 | V9199 |  |  |  |  |  |  |  |  |

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| **197** | **Skin and subcutaneous tissue infections** | | | | | | | | | | | |
|  | 0201 | 0210 | 0220 | 0311 | 03285 | 035 | 0390 | 6800 | 6801 | 6802 | 6803 | 6804 |
|  | 6805 | 6806 | 6807 | 6808 | 6809 | 68100 | 68101 | 68102 | 68110 | 68111 | 6819 | 6820 |
|  | 6821 | 6822 | 6823 | 6824 | 6825 | 6826 | 6827 | 6828 | 6829 | 684 | 6850 | 6851 |
|  | 6860 | 68600 | 68601 | 68609 | 6861 | 6868 | 6869 |  |  |  |  |  |

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| **198** | **Other inflammatory condition of skin** | | | | | | | | | | | |
|  | 690 | 69010 | 69011 | 69012 | 69018 | 6908 | 69276 | 69277 | 6940 | 6941 | 6942 | 6943 |
|  | 6944 | 6945 | 69460 | 69461 | 6948 | 6949 | 6950 | 6951 | 69510 | 69512 | 69513 | 69514 |
|  | 69515 | 69519 | 6952 | 6953 | 6954 | 69550 | 69551 | 69552 | 69555 | 69556 | 69557 | 69558 |
|  | 69559 | 69581 | 69589 | 6959 | 6960 | 6961 | 6962 | 6963 | 6964 | 6965 | 6968 | 6970 |
|  | 6971 | 6978 | 6979 | 6980 | 6981 | 6982 | 6983 | 6984 | 6988 | 6989 |  |  |

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| **199** | **Chronic ulcer of skin** | | | | | | | | | | | |
|  | 7070 | 70700 | 70701 | 70702 | 70703 | 70704 | 70705 | 70706 | 70707 | 70709 | 7071 | 70710 |
|  | 70711 | 70712 | 70713 | 70714 | 70715 | 70719 | 70720 | 70721 | 70722 | 70723 | 70724 | 70725 |
|  | 7078 | 7079 |  |  |  |  |  |  |  |  |  |  |

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| **200** | **Other skin disorders** | | | | | | | | | | | |
|  | 69275 | 700 | 7010 | 7011 | 7012 | 7013 | 7014 | 7015 | 7018 | 7019 | 702 | 7020 |
|  | 7021 | 70211 | 70219 | 7028 | 7030 | 7038 | 7039 | 70400 | 70401 | 70402 | 70409 | 7041 |
|  | 7042 | 7043 | 70441 | 70442 | 7048 | 7049 | 7050 | 7051 | 70521 | 70522 | 70581 | 70582 |
|  | 70583 | 70589 | 7059 | 7060 | 7061 | 7062 | 7063 | 7068 | 7069 | 7090 | 70900 | 70901 |
|  | 70909 | 7091 | 7092 | 7093 | 7094 | 7098 | 7099 | 7808 | 7821 | 7822 | V133 | V423 |

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| **201** | **Infective arthritis and osteomyelitis (except that caused by tuberculosis or sexually transmitted disease)** | | | | | | | | | | | |
|  | 00323 | 00324 | 0261 | 03682 | 05671 | 71100 | 71101 | 71102 | 71103 | 71104 | 71105 | 71106 |
|  | 71107 | 71108 | 71109 | 71110 | 71111 | 71112 | 71113 | 71114 | 71115 | 71116 | 71117 | 71118 |
|  | 71119 | 71120 | 71121 | 71122 | 71123 | 71124 | 71125 | 71126 | 71127 | 71128 | 71129 | 71130 |
|  | 71131 | 71132 | 71133 | 71134 | 71135 | 71136 | 71137 | 71138 | 71139 | 71140 | 71141 | 71142 |
|  | 71143 | 71144 | 71145 | 71146 | 71147 | 71148 | 71149 | 71150 | 71151 | 71152 | 71153 | 71154 |
|  | 71155 | 71156 | 71157 | 71158 | 71159 | 71160 | 71161 | 71162 | 71163 | 71164 | 71165 | 71166 |
|  | 71167 | 71168 | 71169 | 71170 | 71171 | 71172 | 71173 | 71174 | 71175 | 71176 | 71177 | 71178 |
|  | 71179 | 71180 | 71181 | 71182 | 71183 | 71184 | 71185 | 71186 | 71187 | 71188 | 71189 | 71190 |
|  | 71191 | 71192 | 71193 | 71194 | 71195 | 71196 | 71197 | 71198 | 71199 | 73000 | 73001 | 73002 |
|  | 73003 | 73004 | 73005 | 73006 | 73007 | 73008 | 73009 | 73010 | 73011 | 73012 | 73013 | 73014 |
|  | 73015 | 73016 | 73017 | 73018 | 73019 | 73020 | 73021 | 73022 | 73023 | 73024 | 73025 | 73026 |
|  | 73027 | 73028 | 73029 | 73030 | 73031 | 73032 | 73033 | 73034 | 73035 | 73036 | 73037 | 73038 |
|  | 73039 | 73070 | 73071 | 73072 | 73073 | 73074 | 73075 | 73076 | 73077 | 73078 | 73079 | 73080 |
|  | 73081 | 73082 | 73083 | 73084 | 73085 | 73086 | 73087 | 73088 | 73089 | 73090 | 73091 | 73092 |
|  | 73093 | 73094 | 73095 | 73096 | 73097 | 73098 | 73099 |  |  |  |  |  |

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| **202** | **Rheumatoid arthritis and related disease** | | | | | | | | | | | |
|  | 7140 | 7141 | 7142 | 71430 | 71431 | 71432 | 71433 | 7144 | 71481 | 71489 | 7149 | 7200 |

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| **203** | **Osteoarthritis** | | | | | | | | | | | |
|  | 71500 | 71504 | 71509 | 71510 | 71511 | 71512 | 71513 | 71514 | 71515 | 71516 | 71517 | 71518 |
|  | 71520 | 71521 | 71522 | 71523 | 71524 | 71525 | 71526 | 71527 | 71528 | 71530 | 71531 | 71532 |
|  | 71533 | 71534 | 71535 | 71536 | 71537 | 71538 | 71580 | 71589 | 71590 | 71591 | 71592 | 71593 |
|  | 71594 | 71595 | 71596 | 71597 | 71598 | V134 |  |  |  |  |  |  |

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| **204** | **Other non-traumatic joint disorders** | | | | | | | | | | | |
|  | 7130 | 7131 | 7132 | 7133 | 7134 | 7135 | 7136 | 7137 | 7138 | 71600 | 71601 | 71602 |
|  | 71603 | 71604 | 71605 | 71606 | 71607 | 71608 | 71609 | 71620 | 71621 | 71622 | 71623 | 71624 |
|  | 71625 | 71626 | 71627 | 71628 | 71629 | 71630 | 71631 | 71632 | 71633 | 71634 | 71635 | 71636 |
|  | 71637 | 71638 | 71639 | 71640 | 71641 | 71642 | 71643 | 71644 | 71645 | 71646 | 71647 | 71648 |
|  | 71649 | 71650 | 71651 | 71652 | 71653 | 71654 | 71655 | 71656 | 71657 | 71658 | 71659 | 71660 |
|  | 71661 | 71662 | 71663 | 71664 | 71665 | 71666 | 71667 | 71668 | 71680 | 71681 | 71682 | 71683 |
|  | 71684 | 71685 | 71686 | 71687 | 71688 | 71689 | 71690 | 71691 | 71692 | 71693 | 71694 | 71695 |
|  | 71696 | 71697 | 71698 | 71699 | 71810 | 71811 | 71812 | 71813 | 71814 | 71815 | 71817 | 71818 |
|  | 71819 | 71820 | 71821 | 71822 | 71823 | 71824 | 71825 | 71826 | 71827 | 71828 | 71829 | 71850 |
|  | 71851 | 71852 | 71853 | 71854 | 71855 | 71856 | 71857 | 71858 | 71859 | 71865 | 71870 | 71871 |
|  | 71872 | 71873 | 71874 | 71875 | 71876 | 71877 | 71878 | 71879 | 71880 | 71881 | 71882 | 71883 |
|  | 71884 | 71885 | 71886 | 71887 | 71888 | 71889 | 71890 | 71891 | 71892 | 71893 | 71894 | 71895 |
|  | 71897 | 71898 | 71899 | 71900 | 71901 | 71902 | 71903 | 71904 | 71905 | 71906 | 71907 | 71908 |
|  | 71909 | 71910 | 71911 | 71912 | 71913 | 71914 | 71915 | 71916 | 71917 | 71918 | 71919 | 71920 |
|  | 71921 | 71922 | 71923 | 71924 | 71925 | 71926 | 71927 | 71928 | 71929 | 71930 | 71931 | 71932 |
|  | 71933 | 71934 | 71935 | 71936 | 71937 | 71938 | 71939 | 71940 | 71941 | 71942 | 71943 | 71944 |
|  | 71945 | 71946 | 71947 | 71948 | 71949 | 71950 | 71951 | 71952 | 71953 | 71954 | 71955 | 71956 |
|  | 71957 | 71958 | 71959 | 71960 | 71961 | 71962 | 71963 | 71964 | 71965 | 71966 | 71967 | 71968 |
|  | 71969 | 7197 | 71970 | 71975 | 71976 | 71977 | 71978 | 71979 | 71980 | 71981 | 71982 | 71983 |
|  | 71984 | 71985 | 71986 | 71987 | 71988 | 71989 | 71990 | 71991 | 71992 | 71993 | 71994 | 71995 |
|  | 71996 | 71997 | 71998 | 71999 |  |  |  |  |  |  |  |  |

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| **205** | **Spondylosis; intervertebral disc disorders; other back problems** | | | | | | | | | | | |
|  | 7201 | 7202 | 72081 | 72089 | 7209 | 7210 | 7211 | 7212 | 7213 | 72141 | 72142 | 7215 |
|  | 7216 | 7217 | 7218 | 72190 | 72191 | 7220 | 72210 | 72211 | 7222 | 72230 | 72231 | 72232 |
|  | 72239 | 7224 | 72251 | 72252 | 7226 | 72270 | 72271 | 72272 | 72273 | 72280 | 72281 | 72282 |
|  | 72283 | 72290 | 72291 | 72292 | 72293 | 7230 | 7231 | 7232 | 7233 | 7234 | 7235 | 7236 |
|  | 7237 | 7238 | 7239 | 72400 | 72401 | 72402 | 72409 | 7241 | 7242 | 7243 | 7244 | 7245 |
|  | 7246 | 72470 | 72471 | 72479 | 7248 | 7249 |  |  |  |  |  |  |

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| **206** | **Osteoporosis** | | | | | | | | | | | |
|  | 73300 | 73301 | 73302 | 73303 | 73309 |  |  |  |  |  |  |  |

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| **207** | **Pathological fracture** | | | | | | | | | | | |
|  | 7331 | 73310 | 73311 | 73312 | 73313 | 73314 | 73315 | 73316 | 73319 | 73393 | 73394 | 73395 |
|  | 73396 | 73397 | 73398 | V1351 |  |  |  |  |  |  |  |  |

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| **208** | **Acquired foot deformities** | | | | | | | | | | | |
|  | 7271 | 734 | 7350 | 7351 | 7352 | 7353 | 7354 | 7355 | 7358 | 7359 | 73670 | 73671 |
|  | 73672 | 73673 | 73674 | 73675 | 73676 | 73679 |  |  |  |  |  |  |

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| **209** | **Other acquired deformities** | | | | | | | | | | | |
|  | 71840 | 71841 | 71842 | 71843 | 71844 | 71845 | 71846 | 71847 | 71848 | 71849 | 73600 | 73601 |
|  | 73602 | 73603 | 73604 | 73605 | 73606 | 73607 | 73609 | 7361 | 73620 | 73621 | 73622 | 73629 |
|  | 73630 | 73631 | 73632 | 73639 | 73641 | 73642 | 7365 | 7366 | 73681 | 73689 | 7369 | 7370 |
|  | 73710 | 73711 | 73712 | 73719 | 73720 | 73721 | 73722 | 73729 | 73733 | 73734 | 73739 | 73740 |
|  | 73741 | 73742 | 73743 | 7378 | 7379 | 7380 | 7381 | 73810 | 73811 | 73812 | 73819 | 7382 |
|  | 7383 | 7384 | 7385 | 7386 | 7387 | 7388 | 7389 |  |  |  |  |  |

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| **210** | **Systemic lupus erythematosus and connective tissue disorders** | | | | | | | | | | | |
|  | 7100 | 7101 | 7102 | 7103 | 7104 | 7108 | 7109 |  |  |  |  |  |

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| **211** | **Other connective tissue disease** | | | | | | | | | | | |
|  | 32752 | 56731 | 7105 | 725 | 7260 | 72610 | 72611 | 72612 | 72619 | 7262 | 72630 | 72631 |
|  | 72632 | 72633 | 72639 | 7264 | 7265 | 72660 | 72661 | 72662 | 72663 | 72664 | 72665 | 72669 |
|  | 72670 | 72671 | 72672 | 72673 | 72679 | 7268 | 72690 | 72691 | 72700 | 72701 | 72702 | 72703 |
|  | 72704 | 72705 | 72706 | 72709 | 7272 | 7273 | 72740 | 72741 | 72742 | 72743 | 72749 | 72750 |
|  | 72751 | 72759 | 72760 | 72761 | 72762 | 72763 | 72764 | 72765 | 72766 | 72767 | 72768 | 72769 |
|  | 72781 | 72782 | 72783 | 72789 | 7279 | 7280 | 72810 | 72811 | 72812 | 72813 | 72819 | 7282 |
|  | 7283 | 7284 | 7285 | 7286 | 72871 | 72879 | 72881 | 72882 | 72883 | 72884 | 72885 | 72886 |
|  | 72887 | 72888 | 72889 | 7289 | 7290 | 7291 | 7292 | 72930 | 72931 | 72939 | 7294 | 7295 |
|  | 7296 | 72981 | 72982 | 72989 | 7299 | 72991 | 72992 | 7819 | 78191 | 78192 | 78194 | 78199 |
|  | 7937 | V135 | V1359 | V436 | V4360 | V4361 | V4362 | V4363 | V4364 | V4365 | V4366 | V4369 |
|  | V437 | V454 | V481 | V482 | V483 | V490 | V491 | V492 | V495 | V4960 | V4961 | V4962 |
|  | V4963 | V4964 | V4965 | V4966 | V4967 | V4970 | V4971 | V4972 | V4973 | V4974 | V4975 | V4976 |
|  | V4977 | V537 |  |  |  |  |  |  |  |  |  |  |

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| **212** | **Other bone disease and musculoskeletal deformities** | | | | | | | | | | | |
|  | 7310 | 7311 | 7312 | 7318 | 7320 | 7321 | 7322 | 7323 | 7324 | 7325 | 7326 | 7327 |
|  | 7328 | 7329 | 73320 | 73321 | 73322 | 73329 | 7333 | 73340 | 73341 | 73342 | 73343 | 73344 |
|  | 73345 | 73349 | 7335 | 7336 | 7337 | 73381 | 73382 | 73390 | 73391 | 73392 | 73399 | 73730 |
|  | 73731 | 73732 | 7390 | 7391 | 7392 | 7393 | 7394 | 7395 | 7396 | 7397 | 7398 | 7399 |
|  | V424 | V486 | V487 | V494 | V8821 | V8822 | V8829 |  |  |  |  |  |

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| **213** | **Cardiac and circulatory congenital anomalies** | | | | | | | | | | | |
|  | 7450 | 74510 | 74511 | 74512 | 74519 | 7452 | 7453 | 7454 | 7455 | 74560 | 74561 | 74569 |
|  | 7457 | 7458 | 7459 | 74600 | 74601 | 74602 | 74609 | 7461 | 7462 | 7463 | 7464 | 7465 |
|  | 7466 | 7467 | 74681 | 74682 | 74683 | 74684 | 74685 | 74686 | 74687 | 74689 | 7469 | 7470 |
|  | 74710 | 74711 | 74720 | 74721 | 74722 | 74729 | 74732 | 74740 | 74741 | 74742 | 74749 | 7475 |
|  | 7476 | 74760 | 74761 | 74762 | 74763 | 74764 | 74769 | 74781 | 74782 | 74783 | 74789 | 7479 |
|  | V1365 |  |  |  |  |  |  |  |  |  |  |  |

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| **214** | **Digestive congenital anomalies** | | | | | | | | | | | |
|  | 7500 | 75010 | 75011 | 75012 | 75013 | 75015 | 75016 | 75019 | 75021 | 75022 | 75023 | 75024 |
|  | 75025 | 75026 | 75027 | 75029 | 7503 | 7504 | 7505 | 7506 | 7507 | 7508 | 7509 | 7510 |
|  | 7511 | 7512 | 7513 | 7514 | 7515 | 75160 | 75161 | 75162 | 75169 | 7517 | 7518 | 7519 |
|  | V1367 |  |  |  |  |  |  |  |  |  |  |  |

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| **215** | **Genitourinary congenital anomalies** | | | | | | | | | | | |
|  | 7520 | 75210 | 75211 | 75219 | 7522 | 7523 | 75231 | 75232 | 75233 | 75234 | 75235 | 75236 |
|  | 75239 | 75240 | 75241 | 75242 | 75243 | 75244 | 75245 | 75246 | 75247 | 75249 | 7525 | 75251 |
|  | 75252 | 7526 | 75261 | 75262 | 75263 | 75264 | 75265 | 75269 | 7527 | 7528 | 75281 | 75289 |
|  | 7529 | 7530 | 7531 | 75310 | 75311 | 75312 | 75313 | 75314 | 75315 | 75316 | 75317 | 75319 |
|  | 7532 | 75320 | 75321 | 75322 | 75323 | 75329 | 7533 | 7534 | 7535 | 7536 | 7537 | 7538 |
|  | 7539 | V1361 | V1362 |  |  |  |  |  |  |  |  |  |

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| **216** | **Nervous system congenital anomalies** | | | | | | | | | | | |
|  | 7400 | 7401 | 7402 | 74100 | 74101 | 74102 | 74103 | 74190 | 74191 | 74192 | 74193 | 7420 |
|  | 7421 | 7422 | 7423 | 7424 | 74251 | 74253 | 74259 | 7428 | 7429 | V1363 |  |  |

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| **217** | **Other congenital anomalies** | | | | | | | | | | | |
|  | 74300 | 74303 | 74306 | 74310 | 74311 | 74312 | 74320 | 74321 | 74322 | 74330 | 74331 | 74332 |
|  | 74333 | 74334 | 74335 | 74336 | 74337 | 74339 | 74341 | 74342 | 74343 | 74344 | 74345 | 74346 |
|  | 74347 | 74348 | 74349 | 74351 | 74352 | 74353 | 74354 | 74355 | 74356 | 74357 | 74358 | 74359 |
|  | 74361 | 74362 | 74363 | 74364 | 74365 | 74366 | 74369 | 7438 | 7439 | 74400 | 74401 | 74402 |
|  | 74403 | 74404 | 74405 | 74409 | 7441 | 74421 | 74422 | 74423 | 74424 | 74429 | 7443 | 74441 |
|  | 74442 | 74443 | 74446 | 74447 | 74449 | 7445 | 74481 | 74482 | 74483 | 74484 | 74489 | 7449 |
|  | 7480 | 7481 | 7482 | 7483 | 7484 | 7485 | 74860 | 74861 | 74869 | 7488 | 7489 | 74900 |
|  | 74901 | 74902 | 74903 | 74904 | 74910 | 74911 | 74912 | 74913 | 74914 | 74920 | 74921 | 74922 |
|  | 74923 | 74924 | 74925 | 7540 | 7541 | 7542 | 75430 | 75431 | 75432 | 75433 | 75435 | 75440 |
|  | 75441 | 75442 | 75443 | 75444 | 75450 | 75451 | 75452 | 75453 | 75459 | 75460 | 75461 | 75462 |
|  | 75469 | 75470 | 75471 | 75479 | 75481 | 75482 | 75489 | 75500 | 75501 | 75502 | 75510 | 75511 |
|  | 75512 | 75513 | 75514 | 75520 | 75521 | 75522 | 75523 | 75524 | 75525 | 75526 | 75527 | 75528 |
|  | 75529 | 75530 | 75531 | 75532 | 75533 | 75534 | 75535 | 75536 | 75537 | 75538 | 75539 | 7554 |
|  | 75550 | 75551 | 75552 | 75553 | 75554 | 75555 | 75556 | 75557 | 75558 | 75559 | 75560 | 75561 |
|  | 75562 | 75563 | 75564 | 75565 | 75566 | 75567 | 75569 | 7558 | 7559 | 7560 | 75610 | 75611 |
|  | 75612 | 75613 | 75614 | 75615 | 75616 | 75617 | 75619 | 7562 | 7563 | 7564 | 75650 | 75651 |
|  | 75652 | 75653 | 75654 | 75655 | 75656 | 75659 | 7566 | 7567 | 75670 | 75671 | 75672 | 75673 |
|  | 75679 | 75681 | 75682 | 75683 | 75689 | 7569 | 7570 | 7571 | 7572 | 75731 | 75732 | 75733 |
|  | 75739 | 7574 | 7575 | 7576 | 7578 | 7579 | 7580 | 7581 | 7582 | 7583 | 75831 | 75832 |
|  | 75833 | 75839 | 7584 | 7585 | 7586 | 7587 | 7588 | 75881 | 75889 | 7589 | 7590 | 7591 |
|  | 7592 | 7593 | 7594 | 7595 | 7596 | 7597 | 7598 | 75981 | 75982 | 75983 | 75989 | 7599 |
|  | 7952 | V136 | V1364 | V1366 | V1368 | V1369 |  |  |  |  |  |  |

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| **218** | **Liveborn** | | | | | | | | | | | |
|  | 76520 | 76529 | V300 | V3000 | V3001 | V301 | V302 | V310 | V3100 | V3101 | V311 | V312 |
|  | V320 | V3200 | V3201 | V321 | V322 | V330 | V3300 | V3301 | V331 | V332 | V340 | V3400 |
|  | V3401 | V341 | V342 | V350 | V3500 | V3501 | V351 | V352 | V360 | V3600 | V3601 | V361 |
|  | V362 | V370 | V3700 | V3701 | V371 | V372 | V390 | V3900 | V3901 | V391 | V392 |  |

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| **219** | **Short gestation; low birth weight; and fetal growth retardation** | | | | | | | | | | | |
|  | 7640 | 76400 | 76401 | 76402 | 76403 | 76404 | 76405 | 76406 | 76407 | 76408 | 76409 | 7641 |
|  | 76410 | 76411 | 76412 | 76413 | 76414 | 76415 | 76416 | 76417 | 76418 | 76419 | 7642 | 76420 |
|  | 76421 | 76422 | 76423 | 76424 | 76425 | 76426 | 76427 | 76428 | 76429 | 7649 | 76490 | 76491 |
|  | 76492 | 76493 | 76494 | 76495 | 76496 | 76497 | 76498 | 76499 | 7650 | 76500 | 76501 | 76502 |
|  | 76503 | 76504 | 76505 | 76506 | 76507 | 76508 | 76509 | 7651 | 76510 | 76511 | 76512 | 76513 |
|  | 76514 | 76515 | 76516 | 76517 | 76518 | 76519 | 76521 | 76522 | 76523 | 76524 | 76525 | 76526 |
|  | 76527 | 76528 | V2130 | V2131 | V2132 | V2133 | V2134 | V2135 |  |  |  |  |

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| **220** | **Intrauterine hypoxia and birth asphyxia** | | | | | | | | | | | |
|  | 7680 | 7681 | 7682 | 7683 | 7684 | 7685 | 7686 | 76870 | 76871 | 76872 | 76873 | 7689 |

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| **221** | **Respiratory distress syndrome** | | | | | | | | | | | |
|  | 769 |  |  |  |  |  |  |  |  |  |  |  |

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| **222** | **Hemolytic jaundice and perinatal jaundice** | | | | | | | | | | | |
|  | 7730 | 7731 | 7732 | 7733 | 7734 | 7735 | 7740 | 7741 | 7742 | 77430 | 77431 | 77439 |
|  | 7744 | 7745 | 7746 | 7747 |  |  |  |  |  |  |  |  |

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| **223** | **Birth trauma** | | | | | | | | | | | |
|  | 7670 | 7671 | 76711 | 76719 | 7672 | 7673 | 7674 | 7675 | 7676 | 7677 | 7678 | 7679 |

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| **224** | **Other perinatal conditions** | | | | | | | | | | | |
|  | 04041 | 7600 | 7601 | 7602 | 7603 | 7604 | 7605 | 7606 | 76061 | 76062 | 76063 | 76064 |
|  | 76070 | 76071 | 76072 | 76073 | 76074 | 76075 | 76076 | 76077 | 76078 | 76079 | 7608 | 7609 |
|  | 7610 | 7611 | 7612 | 7613 | 7614 | 7615 | 7616 | 7617 | 7618 | 7619 | 7620 | 7621 |
|  | 7622 | 7623 | 7624 | 7625 | 7626 | 7627 | 7628 | 7629 | 7630 | 7631 | 7632 | 7633 |
|  | 7634 | 7635 | 7636 | 7637 | 7638 | 76381 | 76382 | 76383 | 76384 | 76389 | 7639 | 7660 |
|  | 7661 | 7662 | 76621 | 76622 | 7700 | 7701 | 77010 | 77011 | 77012 | 77013 | 77014 | 77015 |
|  | 77016 | 77017 | 77018 | 7702 | 7703 | 7704 | 7705 | 7706 | 7707 | 7708 | 77081 | 77082 |
|  | 77083 | 77084 | 77085 | 77086 | 77089 | 7709 | 7710 | 7711 | 7712 | 7713 | 7714 | 7715 |
|  | 7716 | 7717 | 7718 | 77182 | 77183 | 77189 | 7720 | 7721 | 77210 | 77211 | 77212 | 77213 |
|  | 77214 | 7722 | 7723 | 7724 | 7725 | 7726 | 7728 | 7729 | 7750 | 7751 | 7752 | 7753 |
|  | 7754 | 7755 | 7756 | 7757 | 7758 | 7759 | 7760 | 7761 | 7762 | 7763 | 7764 | 7765 |
|  | 7766 | 7767 | 7768 | 7769 | 7771 | 7772 | 7773 | 7774 | 7775 | 77750 | 77751 | 77752 |
|  | 77753 | 7776 | 7778 | 7779 | 7780 | 7781 | 7782 | 7783 | 7784 | 7785 | 7786 | 7787 |
|  | 7788 | 7789 | 7790 | 7791 | 7792 | 7793 | 77931 | 77932 | 77933 | 7794 | 7795 | 7796 |
|  | 7797 | 7798 | 77981 | 77982 | 77983 | 77984 | 77989 | 7799 | 78091 | 78092 | 7897 | V137 |
|  | V502 |  |  |  |  |  |  |  |  |  |  |  |

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| **225** | **Joint disorders and dislocations; trauma-related** | | | | | | | | | | | |
|  | 71610 | 71611 | 71612 | 71613 | 71614 | 71615 | 71616 | 71617 | 71618 | 71619 | 7170 | 7171 |
|  | 7172 | 7173 | 71740 | 71741 | 71742 | 71743 | 71749 | 7175 | 7176 | 7177 | 71781 | 71782 |
|  | 71783 | 71784 | 71785 | 71789 | 7179 | 71800 | 71801 | 71802 | 71803 | 71804 | 71805 | 71807 |
|  | 71808 | 71809 | 71830 | 71831 | 71832 | 71833 | 71834 | 71835 | 71836 | 71837 | 71838 | 71839 |
|  | 8300 | 8301 | 83100 | 83101 | 83102 | 83103 | 83104 | 83109 | 83110 | 83111 | 83112 | 83113 |
|  | 83114 | 83119 | 83200 | 83201 | 83202 | 83203 | 83204 | 83209 | 83210 | 83211 | 83212 | 83213 |
|  | 83214 | 83219 | 83300 | 83301 | 83302 | 83303 | 83304 | 83305 | 83309 | 83310 | 83311 | 83312 |
|  | 83313 | 83314 | 83315 | 83319 | 83400 | 83401 | 83402 | 83410 | 83411 | 83412 | 83500 | 83501 |
|  | 83502 | 83503 | 83510 | 83511 | 83512 | 83513 | 8360 | 8361 | 8362 | 8363 | 8364 | 83650 |
|  | 83651 | 83652 | 83653 | 83654 | 83659 | 83660 | 83661 | 83662 | 83663 | 83664 | 83669 | 8370 |
|  | 8371 | 83800 | 83801 | 83802 | 83803 | 83804 | 83805 | 83806 | 83809 | 83810 | 83811 | 83812 |
|  | 83813 | 83814 | 83815 | 83816 | 83819 | 83900 | 83901 | 83902 | 83903 | 83904 | 83905 | 83906 |
|  | 83907 | 83908 | 83910 | 83911 | 83912 | 83913 | 83914 | 83915 | 83916 | 83917 | 83918 | 83920 |
|  | 83921 | 83930 | 83931 | 83940 | 83941 | 83942 | 83949 | 83950 | 83951 | 83952 | 83959 | 83961 |
|  | 83969 | 83971 | 83979 | 8398 | 8399 | 9056 |  |  |  |  |  |  |

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| **226** | **Fracture of neck of femur (hip)** | | | | | | | | | | | |
|  | 82000 | 82001 | 82002 | 82003 | 82009 | 82010 | 82011 | 82012 | 82013 | 82019 | 82020 | 82021 |
|  | 82022 | 82030 | 82031 | 82032 | 8208 | 8209 | 9053 | V5413 | V5423 |  |  |  |

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| **227** | **Spinal cord injury** | | | | | | | | | | | |
|  | 34939 | 80600 | 80601 | 80602 | 80603 | 80604 | 80605 | 80606 | 80607 | 80608 | 80609 | 80610 |
|  | 80611 | 80612 | 80613 | 80614 | 80615 | 80616 | 80617 | 80618 | 80619 | 80620 | 80621 | 80622 |
|  | 80623 | 80624 | 80625 | 80626 | 80627 | 80628 | 80629 | 80630 | 80631 | 80632 | 80633 | 80634 |
|  | 80635 | 80636 | 80637 | 80638 | 80639 | 8064 | 8065 | 80660 | 80661 | 80662 | 80669 | 80670 |
|  | 80671 | 80672 | 80679 | 8068 | 8069 | 9072 | 95200 | 95201 | 95202 | 95203 | 95204 | 95205 |
|  | 95206 | 95207 | 95208 | 95209 | 95210 | 95211 | 95212 | 95213 | 95214 | 95215 | 95216 | 95217 |
|  | 95218 | 95219 | 9522 | 9523 | 9524 | 9528 | 9529 |  |  |  |  |  |

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| **228** | **Skull and face fractures** | | | | | | | | | | | |
|  | 80000 | 80001 | 80002 | 80003 | 80004 | 80005 | 80006 | 80009 | 80050 | 80051 | 80052 | 80053 |
|  | 80054 | 80055 | 80056 | 80059 | 80100 | 80101 | 80102 | 80103 | 80104 | 80105 | 80106 | 80109 |
|  | 80150 | 80151 | 80152 | 80153 | 80154 | 80155 | 80156 | 80159 | 8020 | 8021 | 80220 | 80221 |
|  | 80222 | 80223 | 80224 | 80225 | 80226 | 80227 | 80228 | 80229 | 80230 | 80231 | 80232 | 80233 |
|  | 80234 | 80235 | 80236 | 80237 | 80238 | 80239 | 8024 | 8025 | 8026 | 8027 | 8028 | 8029 |
|  | 80300 | 80301 | 80302 | 80303 | 80304 | 80305 | 80306 | 80309 | 80350 | 80351 | 80352 | 80353 |
|  | 80354 | 80355 | 80356 | 80359 | 80400 | 80401 | 80402 | 80403 | 80404 | 80405 | 80406 | 80409 |
|  | 80450 | 80451 | 80452 | 80453 | 80454 | 80455 | 80456 | 80459 | 9050 |  |  |  |

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| **229** | **Fracture of upper limb** | | | | | | | | | | | |
|  | 81000 | 81001 | 81002 | 81003 | 81010 | 81011 | 81012 | 81013 | 81100 | 81101 | 81102 | 81103 |
|  | 81109 | 81110 | 81111 | 81112 | 81113 | 81119 | 81200 | 81201 | 81202 | 81203 | 81209 | 81210 |
|  | 81211 | 81212 | 81213 | 81219 | 81220 | 81221 | 81230 | 81231 | 81240 | 81241 | 81242 | 81243 |
|  | 81244 | 81249 | 81250 | 81251 | 81252 | 81253 | 81254 | 81259 | 81300 | 81301 | 81302 | 81303 |
|  | 81304 | 81305 | 81306 | 81307 | 81308 | 81310 | 81311 | 81312 | 81313 | 81314 | 81315 | 81316 |
|  | 81317 | 81318 | 81320 | 81321 | 81322 | 81323 | 81330 | 81331 | 81332 | 81333 | 81340 | 81341 |
|  | 81342 | 81343 | 81344 | 81345 | 81347 | 81350 | 81351 | 81352 | 81353 | 81354 | 81380 | 81381 |
|  | 81382 | 81383 | 81390 | 81391 | 81392 | 81393 | 81400 | 81401 | 81402 | 81403 | 81404 | 81405 |
|  | 81406 | 81407 | 81408 | 81409 | 81410 | 81411 | 81412 | 81413 | 81414 | 81415 | 81416 | 81417 |
|  | 81418 | 81419 | 81500 | 81501 | 81502 | 81503 | 81504 | 81509 | 81510 | 81511 | 81512 | 81513 |
|  | 81514 | 81519 | 81600 | 81601 | 81602 | 81603 | 81610 | 81611 | 81612 | 81613 | 8170 | 8171 |
|  | 8180 | 8181 | 8190 | 8191 | 9052 | V5410 | V5411 | V5412 | V5420 | V5421 | V5422 |  |

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| **230** | **Fracture of lower limb** | | | | | | | | | | | |
|  | 82100 | 82101 | 82110 | 82111 | 82120 | 82121 | 82122 | 82123 | 82129 | 82130 | 82131 | 82132 |
|  | 82133 | 82139 | 8220 | 8221 | 82300 | 82301 | 82302 | 82310 | 82311 | 82312 | 82320 | 82321 |
|  | 82322 | 82330 | 82331 | 82332 | 82340 | 82341 | 82342 | 82380 | 82381 | 82382 | 82390 | 82391 |
|  | 82392 | 8240 | 8241 | 8242 | 8243 | 8244 | 8245 | 8246 | 8247 | 8248 | 8249 | 8250 |
|  | 8251 | 82520 | 82521 | 82522 | 82523 | 82524 | 82525 | 82529 | 82530 | 82531 | 82532 | 82533 |
|  | 82534 | 82535 | 82539 | 8260 | 8261 | 8270 | 8271 | 9054 | V5414 | V5415 | V5416 | V5424 |
|  | V5425 | V5426 |  |  |  |  |  |  |  |  |  |  |

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| **231** | **Other fractures** | | | | | | | | | | | |
|  | 80500 | 80501 | 80502 | 80503 | 80504 | 80505 | 80506 | 80507 | 80508 | 80510 | 80511 | 80512 |
|  | 80513 | 80514 | 80515 | 80516 | 80517 | 80518 | 8052 | 8053 | 8054 | 8055 | 8056 | 8057 |
|  | 8058 | 8059 | 80700 | 80701 | 80702 | 80703 | 80704 | 80705 | 80706 | 80707 | 80708 | 80709 |
|  | 80710 | 80711 | 80712 | 80713 | 80714 | 80715 | 80716 | 80717 | 80718 | 80719 | 8072 | 8073 |
|  | 8074 | 8075 | 8076 | 8080 | 8081 | 8082 | 8083 | 80841 | 80842 | 80843 | 80844 | 80849 |
|  | 80851 | 80852 | 80853 | 80854 | 80859 | 8088 | 8089 | 8090 | 8091 | 8280 | 8281 | 8290 |
|  | 8291 | 9051 | 9055 | V1352 | V540 | V5401 | V5402 | V5409 | V5417 | V5419 | V5427 | V5429 |
|  | V664 | V674 |  |  |  |  |  |  |  |  |  |  |

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| **232** | **Sprains and strains** | | | | | | | | | | | |
|  | 8400 | 8401 | 8402 | 8403 | 8404 | 8405 | 8406 | 8407 | 8408 | 8409 | 8410 | 8411 |
|  | 8412 | 8413 | 8418 | 8419 | 84200 | 84201 | 84202 | 84209 | 84210 | 84211 | 84212 | 84213 |
|  | 84219 | 8430 | 8431 | 8438 | 8439 | 8440 | 8441 | 8442 | 8443 | 8448 | 8449 | 84500 |
|  | 84501 | 84502 | 84503 | 84509 | 84510 | 84511 | 84512 | 84513 | 84519 | 8460 | 8461 | 8462 |
|  | 8463 | 8468 | 8469 | 8470 | 8471 | 8472 | 8473 | 8474 | 8479 | 8480 | 8481 | 8482 |
|  | 8483 | 84840 | 84841 | 84842 | 84849 | 8485 | 8488 | 8489 | 9057 |  |  |  |

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| **233** | **Intracranial injury** | | | | | | | | | | | |
|  | 80010 | 80011 | 80012 | 80013 | 80014 | 80015 | 80016 | 80019 | 80020 | 80021 | 80022 | 80023 |
|  | 80024 | 80025 | 80026 | 80029 | 80030 | 80031 | 80032 | 80033 | 80034 | 80035 | 80036 | 80039 |
|  | 80040 | 80041 | 80042 | 80043 | 80044 | 80045 | 80046 | 80049 | 80060 | 80061 | 80062 | 80063 |
|  | 80064 | 80065 | 80066 | 80069 | 80070 | 80071 | 80072 | 80073 | 80074 | 80075 | 80076 | 80079 |
|  | 80080 | 80081 | 80082 | 80083 | 80084 | 80085 | 80086 | 80089 | 80090 | 80091 | 80092 | 80093 |
|  | 80094 | 80095 | 80096 | 80099 | 80110 | 80111 | 80112 | 80113 | 80114 | 80115 | 80116 | 80119 |
|  | 80120 | 80121 | 80122 | 80123 | 80124 | 80125 | 80126 | 80129 | 80130 | 80131 | 80132 | 80133 |
|  | 80134 | 80135 | 80136 | 80139 | 80140 | 80141 | 80142 | 80143 | 80144 | 80145 | 80146 | 80149 |
|  | 80160 | 80161 | 80162 | 80163 | 80164 | 80165 | 80166 | 80169 | 80170 | 80171 | 80172 | 80173 |
|  | 80174 | 80175 | 80176 | 80179 | 80180 | 80181 | 80182 | 80183 | 80184 | 80185 | 80186 | 80189 |
|  | 80190 | 80191 | 80192 | 80193 | 80194 | 80195 | 80196 | 80199 | 80310 | 80311 | 80312 | 80313 |
|  | 80314 | 80315 | 80316 | 80319 | 80320 | 80321 | 80322 | 80323 | 80324 | 80325 | 80326 | 80329 |
|  | 80330 | 80331 | 80332 | 80333 | 80334 | 80335 | 80336 | 80339 | 80340 | 80341 | 80342 | 80343 |
|  | 80344 | 80345 | 80346 | 80349 | 80360 | 80361 | 80362 | 80363 | 80364 | 80365 | 80366 | 80369 |
|  | 80370 | 80371 | 80372 | 80373 | 80374 | 80375 | 80376 | 80379 | 80380 | 80381 | 80382 | 80383 |
|  | 80384 | 80385 | 80386 | 80389 | 80390 | 80391 | 80392 | 80393 | 80394 | 80395 | 80396 | 80399 |
|  | 80410 | 80411 | 80412 | 80413 | 80414 | 80415 | 80416 | 80419 | 80420 | 80421 | 80422 | 80423 |
|  | 80424 | 80425 | 80426 | 80429 | 80430 | 80431 | 80432 | 80433 | 80434 | 80435 | 80436 | 80439 |
|  | 80440 | 80441 | 80442 | 80443 | 80444 | 80445 | 80446 | 80449 | 80460 | 80461 | 80462 | 80463 |
|  | 80464 | 80465 | 80466 | 80469 | 80470 | 80471 | 80472 | 80473 | 80474 | 80475 | 80476 | 80479 |
|  | 80480 | 80481 | 80482 | 80483 | 80484 | 80485 | 80486 | 80489 | 80490 | 80491 | 80492 | 80493 |
|  | 80494 | 80495 | 80496 | 80499 | 8500 | 8501 | 85011 | 85012 | 8502 | 8503 | 8504 | 8505 |
|  | 8509 | 85100 | 85101 | 85102 | 85103 | 85104 | 85105 | 85106 | 85109 | 85110 | 85111 | 85112 |
|  | 85113 | 85114 | 85115 | 85116 | 85119 | 85120 | 85121 | 85122 | 85123 | 85124 | 85125 | 85126 |
|  | 85129 | 85130 | 85131 | 85132 | 85133 | 85134 | 85135 | 85136 | 85139 | 85140 | 85141 | 85142 |
|  | 85143 | 85144 | 85145 | 85146 | 85149 | 85150 | 85151 | 85152 | 85153 | 85154 | 85155 | 85156 |
|  | 85159 | 85160 | 85161 | 85162 | 85163 | 85164 | 85165 | 85166 | 85169 | 85170 | 85171 | 85172 |
|  | 85173 | 85174 | 85175 | 85176 | 85179 | 85180 | 85181 | 85182 | 85183 | 85184 | 85185 | 85186 |
|  | 85189 | 85190 | 85191 | 85192 | 85193 | 85194 | 85195 | 85196 | 85199 | 85200 | 85201 | 85202 |
|  | 85203 | 85204 | 85205 | 85206 | 85209 | 85210 | 85211 | 85212 | 85213 | 85214 | 85215 | 85216 |
|  | 85219 | 85220 | 85221 | 85222 | 85223 | 85224 | 85225 | 85226 | 85229 | 85230 | 85231 | 85232 |
|  | 85233 | 85234 | 85235 | 85236 | 85239 | 85240 | 85241 | 85242 | 85243 | 85244 | 85245 | 85246 |
|  | 85249 | 85250 | 85251 | 85252 | 85253 | 85254 | 85255 | 85256 | 85259 | 85300 | 85301 | 85302 |
|  | 85303 | 85304 | 85305 | 85306 | 85309 | 85310 | 85311 | 85312 | 85313 | 85314 | 85315 | 85316 |
|  | 85319 | 85400 | 85401 | 85402 | 85403 | 85404 | 85405 | 85406 | 85409 | 85410 | 85411 | 85412 |
|  | 85413 | 85414 | 85415 | 85416 | 85419 | 9070 | V1552 |  |  |  |  |  |

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| **234** | **Crushing injury or internal injury** | | | | | | | | | | | |
|  | 8600 | 8601 | 8602 | 8603 | 8604 | 8605 | 86100 | 86101 | 86102 | 86103 | 86110 | 86111 |
|  | 86112 | 86113 | 86120 | 86121 | 86122 | 86130 | 86131 | 86132 | 8620 | 8621 | 86221 | 86222 |
|  | 86229 | 86231 | 86232 | 86239 | 8628 | 8629 | 8630 | 8631 | 86320 | 86321 | 86329 | 86330 |
|  | 86331 | 86339 | 86340 | 86341 | 86342 | 86343 | 86344 | 86345 | 86346 | 86349 | 86350 | 86351 |
|  | 86352 | 86353 | 86354 | 86355 | 86356 | 86359 | 86380 | 86381 | 86382 | 86383 | 86384 | 86385 |
|  | 86389 | 86390 | 86391 | 86392 | 86393 | 86394 | 86395 | 86399 | 86400 | 86401 | 86402 | 86403 |
|  | 86404 | 86405 | 86409 | 86410 | 86411 | 86412 | 86413 | 86414 | 86415 | 86419 | 86500 | 86501 |
|  | 86502 | 86503 | 86504 | 86509 | 86510 | 86511 | 86512 | 86513 | 86514 | 86519 | 86600 | 86601 |
|  | 86602 | 86603 | 86610 | 86611 | 86612 | 86613 | 8670 | 8671 | 8672 | 8673 | 8674 | 8675 |
|  | 8676 | 8677 | 8678 | 8679 | 86800 | 86801 | 86802 | 86803 | 86804 | 86809 | 86810 | 86811 |
|  | 86812 | 86813 | 86814 | 86819 | 8690 | 8691 | 90000 | 90001 | 90002 | 90003 | 9001 | 90081 |
|  | 90082 | 90089 | 9009 | 9010 | 9011 | 9012 | 9013 | 90140 | 90141 | 90142 | 90181 | 90182 |
|  | 90183 | 90189 | 9019 | 9020 | 90210 | 90211 | 90219 | 90220 | 90221 | 90222 | 90223 | 90224 |
|  | 90225 | 90226 | 90227 | 90229 | 90231 | 90232 | 90233 | 90234 | 90239 | 90240 | 90241 | 90242 |
|  | 90249 | 90250 | 90251 | 90252 | 90253 | 90254 | 90255 | 90256 | 90259 | 90281 | 90282 | 90287 |
|  | 90289 | 9029 | 90300 | 90301 | 90302 | 9031 | 9032 | 9033 | 9034 | 9035 | 9038 | 9039 |
|  | 9040 | 9041 | 9042 | 9043 | 90440 | 90441 | 90442 | 90450 | 90451 | 90452 | 90453 | 90454 |
|  | 9046 | 9047 | 9048 | 9049 | 9064 | 9080 | 9081 | 9082 | 9083 | 9084 | 925 | 9251 |
|  | 9252 | 9260 | 92611 | 92612 | 92619 | 9268 | 9269 | 92700 | 92701 | 92702 | 92703 | 92709 |
|  | 92710 | 92711 | 92720 | 92721 | 9273 | 9278 | 9279 | 92800 | 92801 | 92810 | 92811 | 92820 |
|  | 92821 | 9283 | 9288 | 9289 | 9290 | 9299 |  |  |  |  |  |  |

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| **235** | **Open wounds of head; neck; and trunk** | | | | | | | | | | | |
|  | 8700 | 8701 | 8702 | 8703 | 8704 | 8708 | 8709 | 8710 | 8711 | 8712 | 8713 | 8714 |
|  | 8715 | 8716 | 8717 | 8719 | 87200 | 87201 | 87202 | 87210 | 87211 | 87212 | 87261 | 87262 |
|  | 87263 | 87264 | 87269 | 87271 | 87272 | 87273 | 87274 | 87279 | 8728 | 8729 | 8730 | 8731 |
|  | 87320 | 87321 | 87322 | 87323 | 87329 | 87330 | 87331 | 87332 | 87333 | 87339 | 87340 | 87341 |
|  | 87342 | 87343 | 87344 | 87349 | 87350 | 87351 | 87352 | 87353 | 87354 | 87359 | 87360 | 87361 |
|  | 87362 | 87363 | 87364 | 87365 | 87369 | 87370 | 87371 | 87372 | 87373 | 87374 | 87375 | 87379 |
|  | 8738 | 8739 | 87400 | 87401 | 87402 | 87410 | 87411 | 87412 | 8742 | 8743 | 8744 | 8745 |
|  | 8748 | 8749 | 8750 | 8751 | 8760 | 8761 | 8770 | 8771 | 8780 | 8781 | 8782 | 8783 |
|  | 8784 | 8785 | 8786 | 8787 | 8788 | 8789 | 8790 | 8791 | 8792 | 8793 | 8794 | 8795 |
|  | 8796 | 8797 | 8798 | 8799 | 9060 |  |  |  |  |  |  |  |

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| **236** | **Open wounds of extremities** | | | | | | | | | | | |
|  | 88000 | 88001 | 88002 | 88003 | 88009 | 88010 | 88011 | 88012 | 88013 | 88019 | 88020 | 88021 |
|  | 88022 | 88023 | 88029 | 88100 | 88101 | 88102 | 88110 | 88111 | 88112 | 88120 | 88121 | 88122 |
|  | 8820 | 8821 | 8822 | 8830 | 8831 | 8832 | 8840 | 8841 | 8842 | 8850 | 8851 | 8860 |
|  | 8861 | 8870 | 8871 | 8872 | 8873 | 8874 | 8875 | 8876 | 8877 | 8900 | 8901 | 8902 |
|  | 8910 | 8911 | 8912 | 8920 | 8921 | 8922 | 8930 | 8931 | 8932 | 8940 | 8941 | 8942 |
|  | 8950 | 8951 | 8960 | 8961 | 8962 | 8963 | 8970 | 8971 | 8972 | 8973 | 8974 | 8975 |
|  | 8976 | 8977 | 9058 | 9059 | 9061 |  |  |  |  |  |  |  |

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| **237** | **Complication of device; implant or graft** | | | | | | | | | | | |
|  | 27950 | 27951 | 27952 | 27953 | 41402 | 41403 | 41404 | 41405 | 41407 | 44030 | 44031 | 44032 |
|  | 56960 | 56961 | 56969 | 59682 | 59683 | 62931 | 62932 | 99600 | 99601 | 99602 | 99603 | 99604 |
|  | 99609 | 9961 | 9962 | 99630 | 99631 | 99632 | 99639 | 9964 | 99640 | 99641 | 99642 | 99643 |
|  | 99644 | 99645 | 99646 | 99647 | 99649 | 99651 | 99652 | 99653 | 99654 | 99655 | 99656 | 99657 |
|  | 99659 | 9966 | 99660 | 99661 | 99662 | 99663 | 99664 | 99665 | 99666 | 99667 | 99668 | 99669 |
|  | 9967 | 99670 | 99671 | 99672 | 99673 | 99674 | 99675 | 99676 | 99677 | 99678 | 99679 | 99680 |
|  | 99681 | 99682 | 99683 | 99684 | 99685 | 99686 | 99687 | 99688 | 99689 | 99690 | 99691 | 99692 |
|  | 99693 | 99694 | 99695 | 99696 | 99699 | 99931 | 99932 | 99933 |  |  |  |  |

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| **238** | **Complications of surgical procedures or medical care** | | | | | | | | | | | |
|  | 27661 | 27783 | 27788 | 2853 | 28741 | 3490 | 3491 | 34931 | 41511 | 4294 | 4582 | 45821 |
|  | 45829 | 5121 | 5122 | 5190 | 51900 | 51901 | 51902 | 51909 | 53086 | 53087 | 53640 | 53641 |
|  | 53642 | 53649 | 53901 | 53909 | 53981 | 53989 | 5642 | 5643 | 5644 | 5696 | 56962 | 56971 |
|  | 56979 | 5793 | 59681 | 78062 | 78063 | 78066 | 9093 | 99524 | 9954 | 99586 | 9970 | 99700 |
|  | 99701 | 99702 | 99709 | 9971 | 9972 | 9973 | 99731 | 99732 | 99739 | 99741 | 99749 | 9975 |
|  | 99760 | 99761 | 99762 | 99769 | 99771 | 99772 | 99779 | 9979 | 99791 | 99799 | 99800 | 99801 |
|  | 99802 | 99809 | 9981 | 99811 | 99812 | 99813 | 9982 | 9983 | 99831 | 99832 | 99833 | 9984 |
|  | 9985 | 99851 | 99859 | 9986 | 9987 | 9988 | 99881 | 99882 | 99883 | 99889 | 9989 | 9990 |
|  | 9991 | 9992 | 9993 | 99934 | 99939 | 99941 | 99942 | 99949 | 99951 | 99952 | 9996 | 99960 |
|  | 99961 | 99962 | 99963 | 99969 | 9997 | 99970 | 99971 | 99972 | 99973 | 99974 | 99975 | 99976 |
|  | 99977 | 99978 | 99979 | 9998 | 99980 | 99981 | 99982 | 99983 | 99984 | 99985 | 99988 | 9999 |
|  | V1553 | V1580 | V1583 | V9001 | V9009 |  |  |  |  |  |  |  |

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| **239** | **Superficial injury; contusion** | | | | | | | | | | | |
|  | 9062 | 9063 | 9100 | 9101 | 9102 | 9103 | 9104 | 9105 | 9106 | 9107 | 9108 | 9109 |
|  | 9110 | 9111 | 9112 | 9113 | 9114 | 9115 | 9116 | 9117 | 9118 | 9119 | 9120 | 9121 |
|  | 9122 | 9123 | 9124 | 9125 | 9126 | 9127 | 9128 | 9129 | 9130 | 9131 | 9132 | 9133 |
|  | 9134 | 9135 | 9136 | 9137 | 9138 | 9139 | 9140 | 9141 | 9142 | 9143 | 9144 | 9145 |
|  | 9146 | 9147 | 9148 | 9149 | 9150 | 9151 | 9152 | 9153 | 9154 | 9155 | 9156 | 9157 |
|  | 9158 | 9159 | 9160 | 9161 | 9162 | 9163 | 9164 | 9165 | 9166 | 9167 | 9168 | 9169 |
|  | 9170 | 9171 | 9172 | 9173 | 9174 | 9175 | 9176 | 9177 | 9178 | 9179 | 9180 | 9181 |
|  | 9182 | 9189 | 9190 | 9191 | 9192 | 9193 | 9194 | 9195 | 9196 | 9197 | 9198 | 9199 |
|  | 920 | 9210 | 9211 | 9212 | 9213 | 9219 | 9220 | 9221 | 9222 | 9223 | 92231 | 92232 |
|  | 92233 | 9224 | 9228 | 9229 | 92300 | 92301 | 92302 | 92303 | 92309 | 92310 | 92311 | 92320 |
|  | 92321 | 9233 | 9238 | 9239 | 92400 | 92401 | 92410 | 92411 | 92420 | 92421 | 9243 | 9244 |
|  | 9245 | 9248 | 9249 |  |  |  |  |  |  |  |  |  |

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| **240** | **Burns** | | | | | | | | | | | |
|  | 9065 | 9066 | 9067 | 9068 | 9069 | 9400 | 9401 | 9402 | 9403 | 9404 | 9405 | 9409 |
|  | 94100 | 94101 | 94102 | 94103 | 94104 | 94105 | 94106 | 94107 | 94108 | 94109 | 94110 | 94111 |
|  | 94112 | 94113 | 94114 | 94115 | 94116 | 94117 | 94118 | 94119 | 94120 | 94121 | 94122 | 94123 |
|  | 94124 | 94125 | 94126 | 94127 | 94128 | 94129 | 94130 | 94131 | 94132 | 94133 | 94134 | 94135 |
|  | 94136 | 94137 | 94138 | 94139 | 94140 | 94141 | 94142 | 94143 | 94144 | 94145 | 94146 | 94147 |
|  | 94148 | 94149 | 94150 | 94151 | 94152 | 94153 | 94154 | 94155 | 94156 | 94157 | 94158 | 94159 |
|  | 94200 | 94201 | 94202 | 94203 | 94204 | 94205 | 94209 | 94210 | 94211 | 94212 | 94213 | 94214 |
|  | 94215 | 94219 | 94220 | 94221 | 94222 | 94223 | 94224 | 94225 | 94229 | 94230 | 94231 | 94232 |
|  | 94233 | 94234 | 94235 | 94239 | 94240 | 94241 | 94242 | 94243 | 94244 | 94245 | 94249 | 94250 |
|  | 94251 | 94252 | 94253 | 94254 | 94255 | 94259 | 94300 | 94301 | 94302 | 94303 | 94304 | 94305 |
|  | 94306 | 94309 | 94310 | 94311 | 94312 | 94313 | 94314 | 94315 | 94316 | 94319 | 94320 | 94321 |
|  | 94322 | 94323 | 94324 | 94325 | 94326 | 94329 | 94330 | 94331 | 94332 | 94333 | 94334 | 94335 |
|  | 94336 | 94339 | 94340 | 94341 | 94342 | 94343 | 94344 | 94345 | 94346 | 94349 | 94350 | 94351 |
|  | 94352 | 94353 | 94354 | 94355 | 94356 | 94359 | 94400 | 94401 | 94402 | 94403 | 94404 | 94405 |
|  | 94406 | 94407 | 94408 | 94410 | 94411 | 94412 | 94413 | 94414 | 94415 | 94416 | 94417 | 94418 |
|  | 94420 | 94421 | 94422 | 94423 | 94424 | 94425 | 94426 | 94427 | 94428 | 94430 | 94431 | 94432 |
|  | 94433 | 94434 | 94435 | 94436 | 94437 | 94438 | 94440 | 94441 | 94442 | 94443 | 94444 | 94445 |
|  | 94446 | 94447 | 94448 | 94450 | 94451 | 94452 | 94453 | 94454 | 94455 | 94456 | 94457 | 94458 |
|  | 94500 | 94501 | 94502 | 94503 | 94504 | 94505 | 94506 | 94509 | 94510 | 94511 | 94512 | 94513 |
|  | 94514 | 94515 | 94516 | 94519 | 94520 | 94521 | 94522 | 94523 | 94524 | 94525 | 94526 | 94529 |
|  | 94530 | 94531 | 94532 | 94533 | 94534 | 94535 | 94536 | 94539 | 94540 | 94541 | 94542 | 94543 |
|  | 94544 | 94545 | 94546 | 94549 | 94550 | 94551 | 94552 | 94553 | 94554 | 94555 | 94556 | 94559 |
|  | 9460 | 9461 | 9462 | 9463 | 9464 | 9465 | 9470 | 9471 | 9472 | 9473 | 9474 | 9478 |
|  | 9479 | 94800 | 94810 | 94811 | 94820 | 94821 | 94822 | 94830 | 94831 | 94832 | 94833 | 94840 |
|  | 94841 | 94842 | 94843 | 94844 | 94850 | 94851 | 94852 | 94853 | 94854 | 94855 | 94860 | 94861 |
|  | 94862 | 94863 | 94864 | 94865 | 94866 | 94870 | 94871 | 94872 | 94873 | 94874 | 94875 | 94876 |
|  | 94877 | 94880 | 94881 | 94882 | 94883 | 94884 | 94885 | 94886 | 94887 | 94888 | 94890 | 94891 |
|  | 94892 | 94893 | 94894 | 94895 | 94896 | 94897 | 94898 | 94899 | 9490 | 9491 | 9492 | 9493 |
|  | 9494 | 9495 |  |  |  |  |  |  |  |  |  |  |

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| **241** | **Poisoning by psychotropic agents** | | | | | | | | | | | |
|  | 9690 | 96900 | 96902 | 96903 | 96904 | 96905 | 96909 | 9691 | 9692 | 9693 | 9694 | 9695 |
|  | 9696 | 9697 | 96970 | 96971 | 96972 | 96973 | 96979 | 9698 | 9699 |  |  |  |

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| **242** | **Poisoning by other medications and drugs** | | | | | | | | | | | |
|  | 9090 | 9095 | 9600 | 9601 | 9602 | 9603 | 9604 | 9605 | 9606 | 9607 | 9608 | 9609 |
|  | 9610 | 9611 | 9612 | 9613 | 9614 | 9615 | 9616 | 9617 | 9618 | 9619 | 9620 | 9621 |
|  | 9622 | 9623 | 9624 | 9625 | 9626 | 9627 | 9628 | 9629 | 9630 | 9631 | 9632 | 9633 |
|  | 9634 | 9635 | 9638 | 9639 | 9640 | 9641 | 9642 | 9643 | 9644 | 9645 | 9646 | 9647 |
|  | 9648 | 9649 | 96500 | 96501 | 96502 | 96509 | 9651 | 9654 | 9655 | 9656 | 96561 | 96569 |
|  | 9657 | 9658 | 9659 | 9660 | 9661 | 9662 | 9663 | 9664 | 9670 | 9671 | 9672 | 9673 |
|  | 9674 | 9675 | 9676 | 9678 | 9679 | 9680 | 9681 | 9682 | 9683 | 9684 | 9685 | 9686 |
|  | 9687 | 9689 | 9700 | 9701 | 9708 | 97081 | 97089 | 9709 | 9710 | 9711 | 9712 | 9713 |
|  | 9719 | 9720 | 9721 | 9722 | 9723 | 9724 | 9725 | 9726 | 9727 | 9728 | 9729 | 9730 |
|  | 9731 | 9732 | 9733 | 9734 | 9735 | 9736 | 9738 | 9739 | 9740 | 9741 | 9742 | 9743 |
|  | 9744 | 9745 | 9746 | 9747 | 9750 | 9751 | 9752 | 9753 | 9754 | 9755 | 9756 | 9757 |
|  | 9758 | 9760 | 9761 | 9762 | 9763 | 9764 | 9765 | 9766 | 9767 | 9768 | 9769 | 9770 |
|  | 9771 | 9772 | 9773 | 9774 | 9778 | 9779 | 9780 | 9781 | 9782 | 9783 | 9784 | 9785 |
|  | 9786 | 9788 | 9789 | 9790 | 9791 | 9792 | 9793 | 9794 | 9795 | 9796 | 9797 | 9799 |
|  | 9952 |  |  |  |  |  |  |  |  |  |  |  |

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| **243** | **Poisoning by nonmedicinal substances** | | | | | | | | | | | |
|  | 9091 | 9801 | 9802 | 9803 | 9808 | 9809 | 981 | 9820 | 9821 | 9822 | 9823 | 9824 |
|  | 9828 | 9830 | 9831 | 9832 | 9839 | 9840 | 9841 | 9848 | 9849 | 9850 | 9851 | 9852 |
|  | 9853 | 9854 | 9855 | 9856 | 9858 | 9859 | 986 | 9870 | 9871 | 9872 | 9873 | 9874 |
|  | 9875 | 9876 | 9877 | 9878 | 9879 | 9880 | 9881 | 9882 | 9888 | 9889 | 9890 | 9891 |
|  | 9892 | 9893 | 9894 | 9895 | 9896 | 9897 | 9898 | 98981 | 98982 | 98983 | 98984 | 98989 |
|  | 9899 |  |  |  |  |  |  |  |  |  |  |  |

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| **244** | **Other injuries and conditions due to external causes** | | | | | | | | | | | |
|  | 7960 | 7990 | 79901 | 79902 | 9071 | 9073 | 9074 | 9075 | 9079 | 9085 | 9086 | 9089 |
|  | 9092 | 9094 | 9099 | 9300 | 9301 | 9302 | 9308 | 9309 | 931 | 932 | 9330 | 9331 |
|  | 9340 | 9341 | 9348 | 9349 | 9350 | 9351 | 9352 | 936 | 937 | 938 | 9390 | 9391 |
|  | 9392 | 9393 | 9399 | 9500 | 9501 | 9502 | 9503 | 9509 | 9510 | 9511 | 9512 | 9513 |
|  | 9514 | 9515 | 9516 | 9517 | 9518 | 9519 | 9530 | 9531 | 9532 | 9533 | 9534 | 9535 |
|  | 9538 | 9539 | 9540 | 9541 | 9548 | 9549 | 9550 | 9551 | 9552 | 9553 | 9554 | 9555 |
|  | 9556 | 9557 | 9558 | 9559 | 9560 | 9561 | 9562 | 9563 | 9564 | 9565 | 9568 | 9569 |
|  | 9570 | 9571 | 9578 | 9579 | 9580 | 9581 | 9582 | 9583 | 9584 | 9585 | 9586 | 9587 |
|  | 9588 | 9590 | 95901 | 95909 | 9591 | 95911 | 95912 | 95913 | 95914 | 95919 | 9592 | 9593 |
|  | 9594 | 9595 | 9596 | 9597 | 9598 | 9599 | 990 | 9910 | 9911 | 9912 | 9913 | 9914 |
|  | 9915 | 9916 | 9918 | 9919 | 9920 | 9921 | 9922 | 9923 | 9924 | 9925 | 9926 | 9927 |
|  | 9928 | 9929 | 9930 | 9931 | 9932 | 9933 | 9934 | 9938 | 9939 | 9940 | 9941 | 9942 |
|  | 9943 | 9944 | 9945 | 9946 | 9947 | 9948 | 9949 | 9955 | 99550 | 99551 | 99552 | 99553 |
|  | 99554 | 99555 | 99559 | 99580 | 99581 | 99582 | 99583 | 99584 | 99585 | 99589 | 99590 | 99593 |
|  | 99594 | V155 | V1551 | V1559 | V156 | V1588 | V713 | V714 | V716 | V9010 | V9011 | V9012 |
|  | V902 | V9031 | V9032 | V9033 | V9039 | V9081 | V9083 | V9089 | V909 |  |  |  |

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| **245** | **Syncope** | | | | | | | | | | | |
|  | 7802 |  |  |  |  |  |  |  |  |  |  |  |

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| **246** | **Fever of unknown origin** | | | | | | | | | | | |
|  | 7806 |  |  |  |  |  |  |  |  |  |  |  |

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| **247** | **Lymphadenitis** | | | | | | | | | | | |
|  | 2891 | 2892 | 2893 | 683 | 7856 |  |  |  |  |  |  |  |

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| **248** | **Gangrene** | | | | | | | | | | | |
|  | 44024 | 7854 |  |  |  |  |  |  |  |  |  |  |

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| **249** | **Shock** | | | | | | | | | | | |
|  | 78550 | 78551 | 78552 | 78559 |  |  |  |  |  |  |  |  |

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| **250** | **Nausea and vomiting** | | | | | | | | | | | |
|  | 7870 | 78701 | 78702 | 78703 |  |  |  |  |  |  |  |  |

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| **251** | **Abdominal pain** | | | | | | | | | | | |
|  | 7890 | 78900 | 78901 | 78902 | 78903 | 78904 | 78905 | 78906 | 78907 | 78909 | 78960 | 78961 |
|  | 78962 | 78963 | 78964 | 78965 | 78966 | 78967 | 78969 |  |  |  |  |  |

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| **252** | **Malaise and fatigue** | | | | | | | | | | | |
|  | 7807 | 78071 | 78079 |  |  |  |  |  |  |  |  |  |

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| **253** | **Allergic reactions** | | | | | | | | | | | |
|  | 4771 | 5186 | 5583 | 6910 | 6918 | 6920 | 6921 | 6922 | 6923 | 6924 | 6925 | 6926 |
|  | 69270 | 69271 | 69272 | 69273 | 69274 | 69279 | 69281 | 69282 | 69283 | 69284 | 69289 | 6929 |
|  | 6930 | 6931 | 6938 | 6939 | 7080 | 7081 | 7082 | 7083 | 7084 | 7085 | 7088 | 7089 |
|  | 9950 | 9953 | 99560 | 99561 | 99562 | 99563 | 99564 | 99565 | 99566 | 99567 | 99568 | 99569 |
|  | 9957 | V071 | V1381 | V140 | V141 | V142 | V143 | V144 | V145 | V146 | V147 | V148 |
|  | V149 | V150 | V1501 | V1502 | V1503 | V1504 | V1505 | V1506 | V1507 | V1508 | V1509 | V727 |

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| **254** | **Rehabilitation care; fitting of prostheses; and adjustment of devices** | | | | | | | | | | | |
|  | V520 | V521 | V524 | V528 | V529 | V538 | V570 | V571 | V572 | V5721 | V5722 | V573 |
|  | V574 | V5781 | V5789 | V579 | V5882 |  |  |  |  |  |  |  |

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| **255** | **Administrative/social admission** | | | | | | | | | | | |
|  | V200 | V201 | V202 | V2031 | V2032 | V600 | V601 | V602 | V603 | V604 | V605 | V606 |
|  | V608 | V6081 | V6089 | V609 | V610 | V6101 | V6102 | V6103 | V6104 | V6105 | V6106 | V6107 |
|  | V6108 | V611 | V6110 | V6111 | V6112 | V6120 | V6121 | V6122 | V6123 | V6124 | V6125 | V6129 |
|  | V613 | V6141 | V6142 | V6149 | V615 | V616 | V617 | V618 | V619 | V620 | V621 | V622 |
|  | V6221 | V6222 | V6229 | V623 | V624 | V625 | V626 | V6281 | V6282 | V6283 | V6289 | V629 |
|  | V630 | V631 | V632 | V638 | V639 | V650 | V651 | V6511 | V6519 | V652 | V653 | V654 |
|  | V6540 | V6541 | V6542 | V6543 | V6544 | V6545 | V6549 | V655 | V658 | V659 | V680 | V681 |
|  | V682 | V6881 | V6889 | V689 |  |  |  |  |  |  |  |  |

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| **256** | **Medical examination/evaluation** | | | | | | | | | | | |
|  | V290 | V291 | V292 | V293 | V298 | V299 | V6801 | V6809 | V700 | V703 | V704 | V705 |
|  | V706 | V707 | V708 | V709 | V718 | V719 | V7231 | V7232 | V725 | V726 | V7262 | V7263 |
|  | V7269 | V728 | V7281 | V7282 | V7283 | V7284 | V7285 | V7286 | V729 |  |  |  |
| **257** | **Other aftercare** | | | | | | | | | | | |
|  | V51 | V510 | V518 | V539 | V5390 | V5399 | V548 | V5481 | V5489 | V549 | V558 | V559 |
|  | V583 | V584 | V5841 | V5842 | V5843 | V5844 | V5849 | V5861 | V5862 | V5863 | V5864 | V5865 |
|  | V5866 | V5867 | V5869 | V5871 | V5872 | V5873 | V5874 | V5875 | V5876 | V5877 | V5878 | V588 |
|  | V5881 | V5883 | V5889 | V589 | V660 | V665 | V666 | V667 | V669 | V670 | V6700 | V6701 |
|  | V6709 | V6751 | V6759 | V676 | V679 |  |  |  |  |  |  |  |

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| **258** | **Other screening for suspected conditions (not mental disorders or infectious disease)** | | | | | | | | | | | |
|  | 7929 | 79500 | 79507 | 79508 | 79518 | 7954 | 79677 | 79678 | V280 | V281 | V282 | V283 |
|  | V284 | V285 | V288 | V2882 | V2889 | V289 | V715 | V7181 | V7189 | V7240 | V7241 | V760 |
|  | V761 | V7610 | V7611 | V7612 | V7619 | V762 | V763 | V7641 | V7642 | V7643 | V7644 | V7645 |
|  | V7646 | V7647 | V7649 | V7650 | V7651 | V7652 | V768 | V7681 | V7689 | V769 | V770 | V771 |
|  | V772 | V773 | V774 | V775 | V776 | V777 | V778 | V779 | V7791 | V7799 | V780 | V781 |
|  | V782 | V783 | V788 | V789 | V800 | V8001 | V8009 | V801 | V802 | V803 | V810 | V811 |
|  | V812 | V813 | V814 | V815 | V816 | V820 | V821 | V822 | V823 | V824 | V825 | V826 |
|  | V828 | V8281 | V8289 | V829 |  |  |  |  |  |  |  |  |

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| **259** | **Residual codes; unclassified** | | | | | | | | | | | |
|  | 3020 | 32700 | 32701 | 32709 | 32710 | 32711 | 32712 | 32713 | 32714 | 32719 | 32720 | 32721 |
|  | 32722 | 32723 | 32724 | 32725 | 32726 | 32727 | 32729 | 32740 | 32741 | 32742 | 32743 | 32744 |
|  | 32749 | 32751 | 32759 | 3278 | 78002 | 7801 | 78050 | 78051 | 78052 | 78053 | 78054 | 78055 |
|  | 78056 | 78057 | 78058 | 78059 | 78064 | 78065 | 7809 | 78093 | 78094 | 78095 | 78099 | 7815 |
|  | 7816 | 7823 | 78261 | 78262 | 7828 | 7829 | 7830 | 7836 | 7842 | 7901 | 7903 | 7906 |
|  | 7909 | 79091 | 79092 | 79093 | 79094 | 79095 | 79099 | 7932 | 7939 | 7949 | 7963 | 7964 |
|  | 7965 | 7966 | 7969 | 7980 | 7981 | 7982 | 7989 | 7992 | 79921 | 79922 | 79923 | 79925 |
|  | 79929 | 7993 | 7998 | 79981 | 79882 | 79989 | 7999 | V070 | V072 | V073 | V0731 | V0739 |
|  | V0751 | V0752 | V0759 | V078 | V079 | V131 | V1389 | V139 | V152 | V1521 | V1522 | V1529 |
|  | V153 | V1581 | V1584 | V1585 | V1586 | V1587 | V1589 | V159 | V160 | V161 | V162 | V163 |
|  | V164 | V1640 | V1641 | V1642 | V1643 | V1649 | V165 | V1651 | V1652 | V1659 | V166 | V167 |
|  | V168 | V169 | V170 | V171 | V172 | V173 | V174 | V1741 | V1749 | V175 | V176 | V177 |
|  | V178 | V1781 | V1789 | V180 | V181 | V1811 | V1819 | V182 | V183 | V184 | V185 | V186 |
|  | V1861 | V1869 | V187 | V188 | V189 | V190 | V1911 | V1919 | V192 | V193 | V194 | V195 |
|  | V196 | V197 | V198 | V210 | V211 | V212 | V218 | V219 | V418 | V419 | V428 | V4281 |
|  | V4282 | V4283 | V4284 | V4289 | V429 | V438 | V4381 | V4382 | V4383 | V4389 | V447 | V448 |
|  | V449 | V4571 | V4572 | V4573 | V4574 | V4575 | V4576 | V4577 | V4578 | V4579 | V4583 | V4584 |
|  | V4589 | V460 | V468 | V469 | V470 | V471 | V472 | V479 | V480 | V488 | V489 | V498 |
|  | V4981 | V4982 | V4983 | V4984 | V4986 | V4987 | V4989 | V499 | V500 | V501 | V503 | V5041 |
|  | V5042 | V5049 | V508 | V509 | V590 | V5901 | V5902 | V5909 | V591 | V592 | V593 | V594 |
|  | V595 | V596 | V5970 | V5971 | V5972 | V5973 | V5974 | V598 | V599 | V640 | V6400 | V6401 |
|  | V6402 | V6403 | V6404 | V6405 | V6406 | V6407 | V6408 | V6409 | V641 | V642 | V643 | V644 |
|  | V6441 | V6442 | V6443 | V690 | V691 | V692 | V693 | V694 | V695 | V698 | V699 | V8301 |
|  | V8302 | V8381 | V8389 | V8401 | V8402 | V8403 | V8404 | V8409 | V848 | V8481 | V8489 | V851 |
|  | V8701 | V8702 | V8709 | V8711 | V8712 | V8719 | V872 | V8731 | V8732 | V8739 | V8741 | V8742 |
|  | V8743 | V8744 | V8745 | V8746 | V8749 | V8801 | V8802 | V8803 | V8811 | V8812 | V8901 | V8902 |
|  | V8903 | V8904 | V8905 | V8909 |  |  |  |  |  |  |  |  |

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| **650** | **Adjustment disorders** | | | | | | | | | | | |
|  | 3090 | 3091 | 30922 | 30923 | 30924 | 30928 | 30929 | 3093 | 3094 | 30982 | 30983 | 30989 |
|  | 3099 |  |  |  |  |  |  |  |  |  |  |  |

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| **651** | **Anxiety disorders** | | | | | | | | | | | |
|  | 29384 | 30000 | 30001 | 30002 | 30009 | 30010 | 30020 | 30021 | 30022 | 30023 | 30029 | 3003 |
|  | 3005 | 30089 | 3009 | 3080 | 3081 | 3082 | 3083 | 3084 | 3089 | 30981 | 3130 | 3131 |
|  | 31321 | 31322 | 3133 | 31382 | 31383 |  |  |  |  |  |  |  |

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| **652** | **Attention-deficit, conduct, and disruptive behavior disorders** | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Conduct disorder* | | | | | | | | | | | |
|  | 31200 | 31201 | 31202 | 31203 | 31210 | 31211 | 31212 | 31213 | 31220 | 31221 | 31222 | 31223 |
|  | 3124 | 3128 | 31281 | 31282 | 31289 | 3129 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Oppositional defiant disorder* | | | | | | | | | | | |
|  | 31381 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Attention deficit disorder / Attention deficit hyperactivity disorder* | | | | | | | | | | | |
|  | 31400 | 31401 | 3141 | 3142 | 3148 | 3149 |  |  |  |  |

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| **653** | **Delirium, dementia, and amnestic and other cognitive disorders** | | | | | | | | | | | |
|  | 2900 | 29010 | 29011 | 29012 | 29013 | 29020 | 29021 | 2903 | 29040 | 29041 | 29042 | 29043 |
|  | 2908 | 2909 | 2930 | 2931 | 2940 | 2941 | 29410 | 29411 | 29420 | 29421 | 2948 | 2949 |
|  | 3100 | 3102 | 31081 | 31089 | 3109 | 3310 | 3311 | 33111 | 33119 | 3312 | 33182 | 797 |

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| **654** | **Developmental disorders** | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Communication disorders* | | | | | | | | | | | |
|  | 3070 | 3079 | 31531 | 31534 | 31535 | 31539 | V401 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Developmental disabilities* | | | | | | | | | | | |
|  | 31501 | 31502 | 31509 | 31532 | 3155 | 3158 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Intellectual disabilities* | | | | | | | | | | | |
|  | 317 | 3180 | 3181 | 3182 | 319 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Learning disorders* | | | | | | | | | | | |
|  | 31500 | 3151 | 3152 | 3159 | V400 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Motor skill disorders* | | | | | | | | | | | |
|  | 3154 |  |  |  |  |  |  |  |  |  |  |  |

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| **655** | **Disorders usually diagnosed in infancy, childhood, or adolescence** | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Elimination disorders* | | | | | | | | | | | |
|  | 3076 | 3077 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Other disorders of infancy, childhood or adolescence* | | | | | | | | | | | |
|  | 3073 | 30921 | 31323 | 31389 | 3139 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Pervasive developmental disorders* | | | | | | | | | | | |
|  | 29900 | 29901 | 29910 | 29911 | 29980 | 29981 | 29990 | 29991 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Tic disorders* | | | | | | | | | | | |
|  | 30720 | 30721 | 30722 | 30723 |  |  |  |  |  |  |  |  |

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| **656** | **Impulse control disorders, NEC** | | | | | | | | | | | |
|  | 31230 | 31231 | 31232 | 31233 | 31234 | 31235 | 31239 |  |  |  |  |  |

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| **657** | **Mood disorders** | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Bipolar disorders* | | | | | | | | | | | |
|  | 29600 | 29601 | 29602 | 29603 | 29604 | 29605 | 29606 | 29610 | 29611 | 29612 | 29613 | 29614 |
|  | 29615 | 29616 | 29640 | 29641 | 29642 | 29643 | 29644 | 29645 | 29646 | 29650 | 29651 | 29652 |
|  | 29653 | 29654 | 29655 | 29656 | 29660 | 29661 | 29662 | 29663 | 29664 | 29665 | 29666 | 2967 |
|  | 29680 | 29681 | 29682 | 29689 | 29690 | 29699 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Depressive disorders* | | | | | | | | | | | |
|  | 29383 | 29620 | 29621 | 29622 | 29623 | 29624 | 29625 | 29626 | 29630 | 29631 | 29632 | 29633 |
|  | 29634 | 29635 | 29636 | 3004 | 311 |  |  |  |  |  |  |  |

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| **658** | **Personality disorders** | | | | | | | | | | | |
|  | 3010 | 30110 | 30111 | 30112 | 30113 | 30120 | 30121 | 30122 | 3013 | 3014 | 30150 | 30151 |
|  | 30159 | 3016 | 3017 | 30181 | 30182 | 30183 | 30184 | 30189 | 3019 |  |  |  |

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| **659** | **Schizophrenia and other psychotic disorders** | | | | | | | | | | | |
|  | 29381 | 29382 | 29500 | 29501 | 29502 | 29503 | 29504 | 29505 | 29510 | 29511 | 29512 | 29513 |
|  | 29514 | 29515 | 29520 | 29521 | 29522 | 29523 | 29524 | 29525 | 29530 | 29531 | 29532 | 29533 |
|  | 29534 | 29535 | 29540 | 29541 | 29542 | 29543 | 29544 | 29545 | 29550 | 29551 | 29552 | 29553 |
|  | 29554 | 29555 | 29560 | 29561 | 29562 | 29563 | 29564 | 29565 | 29570 | 29571 | 29572 | 29573 |
|  | 29574 | 29575 | 29580 | 29581 | 29582 | 29583 | 29584 | 29585 | 29590 | 29591 | 29592 | 29593 |
|  | 29594 | 29595 | 2970 | 2971 | 2972 | 2973 | 2978 | 2979 | 2980 | 2981 | 2982 | 2983 |
|  | 2984 | 2988 | 2989 |  |  |  |  |  |  |  |  |  |

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| **660** | **Alcohol-related disorders** | | | | | | | | | | | |
|  | 2910 | 2911 | 2912 | 2913 | 2914 | 2915 | 2918 | 29181 | 29182 | 29189 | 2919 | 30300 |
|  | 30301 | 30302 | 30303 | 30390 | 30391 | 30392 | 30393 | 30500 | 30501 | 30502 | 30503 | 3575 |
|  | 4255 | 53530 | 53531 | 5710 | 5711 | 5712 | 5713 | 76071 | 9800 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **661** | **Substance-related disorders** | | | | | | | | | | | |
|  | 2920 | 29211 | 29212 | 2922 | 29281 | 29282 | 29283 | 29284 | 29285 | 29289 | 2929 | 30400 |
|  | 30401 | 30402 | 30403 | 30410 | 30411 | 30412 | 30413 | 30420 | 30421 | 30422 | 30423 | 30430 |
|  | 30431 | 30432 | 30433 | 30440 | 30441 | 30442 | 30443 | 30450 | 30451 | 30452 | 30453 | 30460 |
|  | 30461 | 30462 | 30463 | 30470 | 30471 | 30472 | 30473 | 30480 | 30481 | 30482 | 30483 | 30490 |
|  | 30491 | 30492 | 30493 | 30520 | 30521 | 30522 | 30523 | 30530 | 30531 | 30532 | 30533 | 30540 |
|  | 30541 | 30542 | 30543 | 30550 | 30551 | 30552 | 30553 | 30560 | 30561 | 30562 | 30563 | 30570 |
|  | 30571 | 30572 | 30573 | 30580 | 30581 | 30582 | 30583 | 30590 | 30591 | 30592 | 30593 | 64830 |
|  | 64831 | 64832 | 64833 | 64834 | 65550 | 65551 | 65553 | 76072 | 76073 | 76075 | 7795 | 96500 |
|  | 96501 | 96502 | 96509 | V6542 |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **662** | **Suicide and intentional self-inflicted injury** | | | | | | | | | | | |
|  | V6284 | E9500 | E9501 | E9502 | E9503 | E9504 | E9505 | E9506 | E9507 | E9508 | E9509 | E9510 |
|  | E9511 | E9518 | E9520 | E9521 | E9528 | E9529 | E9530 | E9531 | E9538 | E9539 | E954 | E9550 |
|  | E9551 | E9552 | E9553 | E9554 | E9555 | E9556 | E9557 | E9559 | E956 | E9570 | E9571 | E9572 |
|  | E9579 | E9580 | E9581 | E9582 | E9583 | E9584 | E9585 | E9586 | E9587 | E9588 | E9589 | E959 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **663** | **Screening and history of mental health and substance abuse codes** | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Mental health disorder related codes* | | | | | | | | | | | |
|  | 33392 | V110 | V111 | V112 | V114 | V118 | V119 | V154 | V1541 | V1542 | V1549 | V1582 |
|  | V6285 | V663 | V701 | V702 | V7101 | V7102 | V7109 | V790 | V792 | V793 | V798 | V799 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | *Substance-related disorder codes* | | | | | | | | | | | |
|  | 3051 | 30510 | 30511 | 30512 | 30513 | 5353 | 7903 | V113 | V791 |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **670** | **Miscellaneous disorders** | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | *Dissociative disorders* | | | | | | | | | | | | | |
|  | 30012 | 30013 | 30014 | 30015 | 3006 |  |  |  |  |  |  | |  | |
|  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | *Eating disorders* | | | | | | | | | | | | | |
|  | 3071 | 30750 | 30751 | 30752 | 30753 | 30754 | 30759 |  |  |  |  | |  | |
|  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | *Factitious disorders* | | | | | | | | | | | | | |
|  | 30016 | 30019 |  |  |  |  |  |  |  |  |  | |  | |
|  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | *Mental disorders due to general medical condition not elsewhere classified* | | | | | | | | | | | | | |
|  | 29389 | 2939 | 3101 |  |  |  |  |  |  |  |  | |  | |
|  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | *Other miscellaneous mental conditions* | | | | | | | | | | | | | |
|  | 316 | 64840 | 64841 | 64842 | 64843 | 64844 | V402 | V4031 | V4039 | V409 | | V673 | |  |
|  |  |  |  |  |  |  |  |  |  |  | |  | |  |
|  | *Psychogenic disorders* | | | | | | | | | | | | | |
|  | 3060 | 3061 | 3062 | 3063 | 3064 | 30650 | 30652 | 30653 | 30659 | 3066 | 3067 | | 3068 | |
|  | 3069 |  |  |  |  |  |  |  |  |  |  | |  | |
|  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | *Sexual and gender identify disorders* | | | | | | | | | | | | | |
|  | 3021 | 3022 | 3023 | 3024 | 30250 | 30251 | 30252 | 30253 | 3026 | 30270 | 30271 | | 30272 | |
|  | 30273 | 30274 | 30275 | 30276 | 30279 | 30281 | 30282 | 30283 | 30284 | 30285 | 30289 | | 3029 | |
|  | 30651 |  |  |  |  |  |  |  |  |  |  | |  | |
|  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | *Sleep disorders* | | | | | | | | | | | | | |
|  | 30740 | 30741 | 30742 | 30743 | 30744 | 30745 | 30746 | 30747 | 30748 | 30749 |  | |  | |
|  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | *Somatoform disorders* | | | | | | | | | | | | | |
|  | 30011 | 3007 | 30081 | 30082 | 30780 | 30781 | 30789 |  |  |  |  | |  | |

Attachment 2:

Sample SAS Jobs for Linking Example

1 The SAS System 14:51 Friday, August 12, 2016

NOTE: Copyright (c) 2002-2012 by SAS Institute Inc., Cary, NC, USA.

NOTE: SAS (r) Proprietary Software 9.4 (TS1M3)

NOTE: This session is executing on the W32\_7PRO platform.

NOTE: SAS initialization used:

real time 0.63 seconds

cpu time 0.20 seconds

NOTE: AUTOEXEC processing beginning; file is C:\Program Files\SAS\SASMISC\autoexec\_9432.sas.

NOTE: AUTOEXEC processing completed.

1

2

3

4 ods rtf file = 'C:\Data\sampleA.rtf’

4 ! bodytitle;

NOTE: Writing RTF Body file: C:\Data\sampleA.rtf

5

6 ods noproctitle;

7

8 OPTIONS LS=132 PS=59;

9

10 TITLE1 "HC-168I";

11 TITLE2 "Sample SAS Job for Example A";

12

13 LIBNAME IN "C:\Data";

NOTE: Libref IN was successfully assigned as follows:

Engine: V9

Physical Name: C:\Data

14

15 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

16 \* Calculate the expenditures for prescribed medicines associated with medical visits for asthma.

17 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

18

19 PROC FORMAT;

20 VALUE EVENTYPE

21 1 = "1 MVIS"

22 2 = "2 OPAT"

23 3 = "3 EROM"

24 4 = "4 STAZ"

25 5 = "5 DVIS"

26 6 = "6 OMED"

27 7 = "7 HVIS"

28 8 = "8 PMED";

NOTE: Format EVENTYPE has been output.

29

2 The SAS System 14:51 Friday, August 12, 2016

30 RUN;

NOTE: PROCEDURE FORMAT used (Total process time):

real time 0.04 seconds

cpu time 0.03 seconds

31

32 \*-------------------------------------------------------------------------------------

33 \* Get condition records coded as asthma.

34 \*-------------------------------------------------------------------------------------;

35 DATA ASCONDS;

36 SET IN.H170 (KEEP=CONDIDX CCCODEX);

37 IF CCCODEX="128";

38

39 RUN;

NOTE: There were 116679 observations read from the data set IN.H170.

NOTE: The data set WORK.ASCONDS has 2300 observations and 2 variables.

NOTE: Compressing data set WORK.ASCONDS increased size by 100.00 percent.

Compressed is 2 pages; un-compressed would require 1 pages.

NOTE: DATA statement used (Total process time):

real time 0.48 seconds

cpu time 0.04 seconds

40

41 \*------------------------------------------------------------------------------------

42 \* Get the events linked to each of the asthma condition records.

43 \*------------------------------------------------------------------------------------;

44 PROC SORT DATA=ASCONDS; BY CONDIDX; RUN;

NOTE: There were 2300 observations read from the data set WORK.ASCONDS.

NOTE: SAS sort was used.

NOTE: The data set WORK.ASCONDS has 2300 observations and 2 variables.

NOTE: Compressing data set WORK.ASCONDS increased size by 100.00 percent.

Compressed is 2 pages; un-compressed would require 1 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

45

46 proc print data=asconds (obs=50);

47 title3 "sample print of work.asconds - sorted by condidx";

48 title4 "COND (H170) records where cccodex=128";

49 run;

NOTE: There were 50 observations read from the data set WORK.ASCONDS.

NOTE: The PROCEDURE PRINT printed page 1.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.03 seconds

cpu time 0.03 seconds

50

51 PROC SORT DATA=IN.H168IF1 OUT=CLNK; BY CONDIDX; RUN;

3 The SAS System 14:51 Friday, August 12, 2016

NOTE: There were 364577 observations read from the data set IN.H168IF1.

NOTE: SAS threaded sort was used.

NOTE: The data set WORK.CLNK has 364577 observations and 6 variables.

NOTE: Compressing data set WORK.CLNK increased size by 5.47 percent.

Compressed is 424 pages; un-compressed would require 402 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.74 seconds

cpu time 0.31 seconds

52

53 DATA ASCLNKS;

54 MERGE CLNK (IN=INCLNK KEEP=CONDIDX EVNTIDX EVENTYPE)

55 ASCONDS(IN=INASCOND KEEP=CONDIDX);

56 BY CONDIDX;

57 IF INCLNK & INASCOND;

58 RUN;

NOTE: There were 364577 observations read from the data set WORK.CLNK.

NOTE: There were 2300 observations read from the data set WORK.ASCONDS.

NOTE: The data set WORK.ASCLNKS has 7021 observations and 3 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 50.00 percent.

Compressed is 6 pages; un-compressed would require 4 pages.

NOTE: DATA statement used (Total process time):

real time 0.09 seconds

cpu time 0.09 seconds

59

60 proc report data=asclnks(obs=75) nowd headskip;

61 define condidx /'CONDIDX' order;

62 define evntidx /'EVNTIDX';

63 define eventype /'EVENTYPE';

64 break after condidx / skip;

65 format eventype eventype.;

66 title3 "sample print of work.asclnks - sorted by condidx";

67 title4 "events linked to asthma condition records";

68 run;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 75 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE REPORT printed pages 2-3.

NOTE: PROCEDURE REPORT used (Total process time):

real time 0.03 seconds

cpu time 0.03 seconds

69

70 PROC SORT DATA=ASCLNKS; BY EVNTIDX; RUN;

NOTE: There were 7021 observations read from the data set WORK.ASCLNKS.

NOTE: SAS sort was used.

NOTE: The data set WORK.ASCLNKS has 7021 observations and 3 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 50.00 percent.

Compressed is 6 pages; un-compressed would require 4 pages.

NOTE: PROCEDURE SORT used (Total process time):

4 The SAS System 14:51 Friday, August 12, 2016

real time 0.00 seconds

cpu time 0.00 seconds

71

72 proc print data=asclnks (obs=50);

73 format eventype eventype.;

74 title3 "sample print of work.asclnks - sorted by evntidx";

75 run;

NOTE: There were 50 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE PRINT printed page 4.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

76

77 DATA ASCLNKS;

78 SET ASCLNKS (KEEP=EVNTIDX EVENTYPE);

79 BY EVNTIDX;

80 IF FIRST.EVNTIDX;

81 RUN;

NOTE: There were 7021 observations read from the data set WORK.ASCLNKS.

NOTE: The data set WORK.ASCLNKS has 7012 observations and 2 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 66.67 percent.

Compressed is 5 pages; un-compressed would require 3 pages.

NOTE: DATA statement used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

82

83 proc print data=asclnks (obs=50);

84 title3 "sample print of unique evntidxs from work.asclnks";

85 format eventype eventype.;

86 run;

NOTE: There were 50 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE PRINT printed page 5.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

87

88 \*--------------------------------------------------------------------------------------------

89 \* Get non-telephone office based visits (i.e. MVIS events) for persons with positive weights.

90 \*--------------------------------------------------------------------------------------------;

91 DATA MVIS;

92 SET IN.H168G (KEEP=EVNTIDX PERWT14F SEETLKPV);

93 IF PERWT14F > 0 & SEETLKPV NE 2;

94 RUN;

NOTE: There were 166005 observations read from the data set IN.H168G.

NOTE: The data set WORK.MVIS has 161200 observations and 3 variables.

5 The SAS System 14:51 Friday, August 12, 2016

NOTE: Compressing data set WORK.MVIS increased size by 12.50 percent.

Compressed is 90 pages; un-compressed would require 80 pages.

NOTE: DATA statement used (Total process time):

real time 1.87 seconds

cpu time 0.10 seconds

95

96 PROC SORT DATA=MVIS; BY EVNTIDX; RUN;

NOTE: There were 161200 observations read from the data set WORK.MVIS.

NOTE: SAS threaded sort was used.

NOTE: The data set WORK.MVIS has 161200 observations and 3 variables.

NOTE: Compressing data set WORK.MVIS increased size by 12.50 percent.

Compressed is 90 pages; un-compressed would require 80 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.07 seconds

cpu time 0.09 seconds

97

98 \*---------------------------------------------------------------------------------------------

99 \* Identify MVIS events which were for asthma.

100 \*---------------------------------------------------------------------------------------------;

101 DATA ASMVIS;

102 MERGE ASCLNKS (IN=INASCLNK)

103 MVIS (IN=INMVIS KEEP=EVNTIDX);

104 BY EVNTIDX;

105 IF INASCLNK & INMVIS;

106 RUN;

NOTE: There were 7012 observations read from the data set WORK.ASCLNKS.

NOTE: There were 161200 observations read from the data set WORK.MVIS.

NOTE: The data set WORK.ASMVIS has 1988 observations and 2 variables.

NOTE: Compressing data set WORK.ASMVIS increased size by 100.00 percent.

Compressed is 2 pages; un-compressed would require 1 pages.

NOTE: DATA statement used (Total process time):

real time 0.04 seconds

cpu time 0.04 seconds

107

108 proc print data=asmvis (obs=50);

109 format eventype eventype.;

110 title3 "sample print of work.asmvis";

111 title4 "unique evntidxs from work.asclnks that are non-telephone MVIS (HC-168G) events";

112 run;

NOTE: There were 50 observations read from the data set WORK.ASMVIS.

NOTE: The PROCEDURE PRINT printed page 6.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

113

114 \*-------------------------------------------------------------------------------------

6 The SAS System 14:51 Friday, August 12, 2016

115 \* Get PMED IDs linked to the MVIS events which were for asthma.

116 \*-------------------------------------------------------------------------------------;

117 PROC SORT DATA=IN.H168IF2 OUT=RXLK; BY EVNTIDX; RUN;

NOTE: There were 62894 observations read from the data set IN.H168IF2.

NOTE: SAS sort was used.

NOTE: The data set WORK.RXLK has 62894 observations and 6 variables.

NOTE: Compressing data set WORK.RXLK increased size by 5.71 percent.

Compressed is 74 pages; un-compressed would require 70 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.17 seconds

cpu time 0.03 seconds

118

119 proc report data=rxlk (obs=140 keep=evntidx linkidx eventype) nowd headskip;

120 define evntidx /'EVNTIDX' order;

121 define linkidx /'LINKIDX';

122 define eventype /'EVENTYPE';

123 break after evntidx / skip;

124 format eventype eventype.;

125 title3 "sample print of work.rxlk - sorted by evntidx";

126 title4 "Rx+event link file records (HC-168IF2)";

127 run;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 140 observations read from the data set WORK.RXLK.

NOTE: The PROCEDURE REPORT printed pages 7-10.

NOTE: PROCEDURE REPORT used (Total process time):

real time 0.03 seconds

cpu time 0.01 seconds

128

129 DATA PMEDIDS;

130 MERGE RXLK (IN=INRXLK KEEP=EVNTIDX LINKIDX EVENTYPE)

131 ASMVIS(IN=INASMVIS KEEP=EVNTIDX);

132 BY EVNTIDX;

133 IF INRXLK & INASMVIS;

134 RUN;

NOTE: There were 62894 observations read from the data set WORK.RXLK.

NOTE: There were 1988 observations read from the data set WORK.ASMVIS.

NOTE: The data set WORK.PMEDIDS has 2051 observations and 3 variables.

NOTE: Compressing data set WORK.PMEDIDS increased size by 50.00 percent.

Compressed is 3 pages; un-compressed would require 2 pages.

NOTE: DATA statement used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

135

136 proc report data=pmedids (obs=50) nowd headskip;

137 define evntidx /'EVNTIDX' order;

138 define linkidx /'LINKIDX';

139 define eventype /'EVENTYPE';

140 break after evntidx / skip;

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141 format eventype eventype.;

142 title3 "sample print of work.pmedids - sorted by evntidx";

143 title4 "work.rxlk records for evntidxs in work.asmvis";

144 run;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 50 observations read from the data set WORK.PMEDIDS.

NOTE: The PROCEDURE REPORT printed pages 11-12.

NOTE: PROCEDURE REPORT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

145

146 PROC SORT DATA=PMEDIDS; BY LINKIDX; RUN;

NOTE: There were 2051 observations read from the data set WORK.PMEDIDS.

NOTE: SAS sort was used.

NOTE: The data set WORK.PMEDIDS has 2051 observations and 3 variables.

NOTE: Compressing data set WORK.PMEDIDS increased size by 50.00 percent.

Compressed is 3 pages; un-compressed would require 2 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

147

148 proc print data=pmedids (obs=50);

149 format eventype eventype.;

150 title3 "sample print of work.pmedids - sorted by linkidx";

151 run;

NOTE: There were 50 observations read from the data set WORK.PMEDIDS.

NOTE: The PROCEDURE PRINT printed page 13.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

152

153 DATA PMEDIDS;

154 SET PMEDIDS (KEEP=LINKIDX);

155 BY LINKIDX;

156 IF FIRST.LINKIDX;

157 RUN;

NOTE: Compression was disabled for data set WORK.PMEDIDS because compression overhead would increase the size of the data set.

NOTE: There were 2051 observations read from the data set WORK.PMEDIDS.

NOTE: The data set WORK.PMEDIDS has 1941 observations and 1 variables.

NOTE: DATA statement used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

158

159 proc print data=pmedids (obs=50);

160 title3 "sample print of unique linkidxs in work.pmedids";

8 The SAS System 14:51 Friday, August 12, 2016

161 run;

NOTE: There were 50 observations read from the data set WORK.PMEDIDS.

NOTE: The PROCEDURE PRINT printed page 14.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

162

163 \*-----------------------------------------------------------------------------------------

164 \* Get PMED records linked to MVIS events which were for asthma.

165 \*-----------------------------------------------------------------------------------------;

166 PROC SORT DATA=IN.H168A OUT=PMED; BY LINKIDX; RUN;

NOTE: There were 319467 observations read from the data set IN.H168A.

NOTE: SAS threaded sort was used.

NOTE: The data set WORK.PMED has 319467 observations and 13 variables.

NOTE: Compressing data set WORK.PMED decreased size by 20.42 percent.

Compressed is 686 pages; un-compressed would require 862 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 2.95 seconds

cpu time 0.78 seconds

167

168 DATA MVPMEDS;

169 MERGE PMED (KEEP=LINKIDX RXRECIDX RXXP14X PERWT14F RXNAME)

170 PMEDIDS (IN=A);

171 BY LINKIDX;

172 IF A;

173 RUN;

NOTE: There were 319467 observations read from the data set WORK.PMED.

NOTE: There were 1941 observations read from the data set WORK.PMEDIDS.

NOTE: The data set WORK.MVPMEDS has 5018 observations and 5 variables.

NOTE: Compressing data set WORK.MVPMEDS decreased size by 12.50 percent.

Compressed is 7 pages; un-compressed would require 8 pages.

NOTE: DATA statement used (Total process time):

real time 0.14 seconds

cpu time 0.12 seconds

174

175 proc report data=mvpmeds (obs=200) nowd;

176 column LINKIDX RXRECIDX RXNAME RXXP14X PERWT14F;

177 define linkidx /'LINKIDX' order;

178 define rxrecidx /'RXRECIDX';

179 define rxname /'RXNAME';

180 define rxxp14x /'RXXP14X' display format=8.2;

181 define PERWT14F /'PERWT14F' /\*display format=8.2\*/;

182 break after linkidx / skip;

183 title3 "sample print of work.mvpmeds";

184 title4 "PMED (HC-168A) records for unique linkidxs in work.pmedids";

185 run;

NOTE: Multiple concurrent threads will be used to summarize data.

9 The SAS System 14:51 Friday, August 12, 2016

NOTE: There were 200 observations read from the data set WORK.MVPMEDS.

NOTE: The PROCEDURE REPORT printed pages 15-20.

NOTE: PROCEDURE REPORT used (Total process time):

real time 0.03 seconds

cpu time 0.03 seconds

186

187 PROC MEANS DATA=MVPMEDS N SUM;

188 VAR RXXP14X;

189 TITLE3 "Total Rx expenditures associated with medical visits (excluding telephone) for asthma";

190 RUN;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 5018 observations read from the data set WORK.MVPMEDS.

NOTE: The PROCEDURE MEANS printed page 21.

NOTE: PROCEDURE MEANS used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

191

192 PROC MEANS DATA=MVPMEDS N SUM;

193 VAR RXXP14X;

194 WEIGHT PERWT14F;

195 TITLE3 "Total Rx expenditures associated with medical visits (excluding telephone) for asthma";

196 TITLE5 "Weighted";

197 RUN;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 5018 observations read from the data set WORK.MVPMEDS.

NOTE: The PROCEDURE MEANS printed page 22.

NOTE: PROCEDURE MEANS used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

198

199 ods rtf close;

200

NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414

NOTE: The SAS System used:

real time 7.81 seconds

cpu time 2.16 seconds

HC-168I

Sample SAS Job for Example A

sample print of work.asconds - sorted by condidx

COND (H170) records where cccodex=128

| **Obs** | **CONDIDX** | **CCCODEX** |
| --- | --- | --- |
| 1 | 400041040011 | 128 |
| 2 | 400041070011 | 128 |
| 3 | 400121010021 | 128 |
| 4 | 400141030031 | 128 |
| 5 | 400171010021 | 128 |
| 6 | 400201020011 | 128 |
| 7 | 400231020011 | 128 |
| 8 | 400281020011 | 128 |
| 9 | 400301010051 | 128 |
| 10 | 400341010051 | 128 |
| 11 | 400341020041 | 128 |
| 12 | 400361010061 | 128 |
| 13 | 400531010191 | 128 |
| 14 | 400621010051 | 128 |
| 15 | 400621020041 | 128 |
| 16 | 400631010011 | 128 |
| 17 | 400791010021 | 128 |
| 18 | 400841030011 | 128 |
| 19 | 400841050011 | 128 |
| 20 | 400841070041 | 128 |
| 21 | 400841070051 | 128 |
| 22 | 401391020021 | 128 |
| 23 | 401431020051 | 128 |
| 24 | 401781020051 | 128 |
| 25 | 401861040011 | 128 |
| 26 | 401861070011 | 128 |
| 27 | 402041010061 | 128 |
| 28 | 402141020021 | 128 |
| 29 | 402171030011 | 128 |
| 30 | 402371010011 | 128 |
| 31 | 402371040011 | 128 |
| 32 | 402901020021 | 128 |
| 33 | 402961020011 | 128 |
| 34 | 402961030041 | 128 |
| 35 | 402971050021 | 128 |
| 36 | 402971050031 | 128 |
| 37 | 403281010071 | 128 |
| 38 | 403311010021 | 128 |
| 39 | 404011050011 | 128 |
| 40 | 404031010061 | 128 |
| 41 | 404151010021 | 128 |
| 42 | 404191020031 | 128 |
| 43 | 404451050041 | 128 |
| 44 | 404791030081 | 128 |
| 45 | 404831010102 | 128 |
| 46 | 404831030011 | 128 |
| 47 | 404951030011 | 128 |
| 48 | 405051010051 | 128 |
| 49 | 405051010071 | 128 |
| 50 | 405091030011 | 128 |

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Sample SAS Job for Example A

sample print of work.asclnks - sorted by condidx

events linked to asthma condition records

| **CONDIDX** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- |
| 400041040011 | 400041040841 | 8 PMED |
| 400041070011 | 400041070371 | 1 MVIS |
| 400041070011 | 400041070391 | 1 MVIS |
| 400041070011 | 400041070411 | 1 MVIS |
| 400041070011 | 400041070421 | 1 MVIS |
| 400041070011 | 400041070431 | 1 MVIS |
| 400041070011 | 400041070441 | 1 MVIS |
| 400041070011 | 400041070481 | 1 MVIS |
| 400041070011 | 400041070511 | 1 MVIS |
| 400041070011 | 400041070621 | 8 PMED |
| 400231020011 | 400231020191 | 8 PMED |
| 400231020011 | 400231020201 | 8 PMED |
| 400231020011 | 400231020211 | 8 PMED |
| 400231020011 | 400231020261 | 8 PMED |
| 400231020011 | 400231020271 | 8 PMED |
| 400231020011 | 400231020291 | 8 PMED |
| 400231020011 | 400231020301 | 8 PMED |
| 400341010051 | 400341011121 | 8 PMED |
| 400341010051 | 400341011331 | 8 PMED |
| 400341020041 | 400341020251 | 8 PMED |
| 400341020041 | 400341020871 | 8 PMED |
| 400361010061 | 400361010391 | 8 PMED |
| 400361010061 | 400361010491 | 1 MVIS |
| 400361010061 | 400361010501 | 1 MVIS |
| 400361010061 | 400361010511 | 1 MVIS |
| 400361010061 | 400361010521 | 1 MVIS |
| 400361010061 | 400361010631 | 8 PMED |
| 400531010191 | 400531010471 | 1 MVIS |
| 400531010191 | 400531010511 | 1 MVIS |
| 400531010191 | 400531010521 | 1 MVIS |
| 400531010191 | 400531010691 | 8 PMED |
| 400621010051 | 400621010861 | 1 MVIS |
| 400621010051 | 400621011061 | 1 MVIS |
| 400621010051 | 400621011141 | 8 PMED |
| 400621020041 | 400621021281 | 1 MVIS |
| 400621020041 | 400621021381 | 8 PMED |
| 400621020041 | 400621021391 | 8 PMED |
| 400621020041 | 400621021401 | 8 PMED |
| 400621020041 | 400621021461 | 1 MVIS |
| 400621020041 | 400621021521 | 8 PMED |
| 400621020041 | 400621021531 | 8 PMED |
| 400631010011 | 400631010211 | 1 MVIS |
| 400791010021 | 400791010041 | 1 MVIS |
| 400791010021 | 400791010061 | 8 PMED |
| 400791010021 | 400791010071 | 8 PMED |
| 400841030011 | 400841030051 | 4 STAZ |
| 400841030011 | 400841030061 | 1 MVIS |
| 400841030011 | 400841030091 | 8 PMED |
| 400841030011 | 400841030131 | 3 EROM |
| 400841030011 | 400841030141 | 1 MVIS |
| 400841030011 | 400841030181 | 1 MVIS |
| 400841030011 | 400841030191 | 8 PMED |
| 400841030011 | 400841030201 | 8 PMED |
| 400841030011 | 400841030221 | 8 PMED |
| 400841050011 | 400841050081 | 8 PMED |
| 400841050011 | 400841050181 | 8 PMED |
| 400841070041 | 400841070231 | 8 PMED |
| 400841070041 | 400841070291 | 8 PMED |
| 401391020021 | 401391020371 | 8 PMED |
| 401391020021 | 401391020411 | 1 MVIS |
| 401391020021 | 401391020441 | 8 PMED |
| 401391020021 | 401391020461 | 8 PMED |
| 401391020021 | 401391020471 | 8 PMED |
| 401431020051 | 401431020291 | 8 PMED |
| 401431020051 | 401431020311 | 8 PMED |
| 401861040011 | 401861040201 | 8 PMED |
| 401861040011 | 401861040221 | 8 PMED |
| 401861070011 | 401861070151 | 8 PMED |
| 401861070011 | 401861070181 | 8 PMED |
| 402041010061 | 402041010711 | 8 PMED |
| 402041010061 | 402041010781 | 1 MVIS |
| 402041010061 | 402041010871 | 8 PMED |
| 402041010061 | 402041010931 | 8 PMED |
| 402141020021 | 402141020181 | 1 MVIS |
| 402141020021 | 402141020191 | 1 MVIS |

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Sample SAS Job for Example A

sample print of work.asclnks - sorted by evntidx

| **Obs** | **CONDIDX** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- | --- |
| 1 | 400041040011 | 400041040841 | 8 PMED |
| 2 | 400041070011 | 400041070371 | 1 MVIS |
| 3 | 400041070011 | 400041070391 | 1 MVIS |
| 4 | 400041070011 | 400041070411 | 1 MVIS |
| 5 | 400041070011 | 400041070421 | 1 MVIS |
| 6 | 400041070011 | 400041070431 | 1 MVIS |
| 7 | 400041070011 | 400041070441 | 1 MVIS |
| 8 | 400041070011 | 400041070481 | 1 MVIS |
| 9 | 400041070011 | 400041070511 | 1 MVIS |
| 10 | 400041070011 | 400041070621 | 8 PMED |
| 11 | 400231020011 | 400231020191 | 8 PMED |
| 12 | 400231020011 | 400231020201 | 8 PMED |
| 13 | 400231020011 | 400231020211 | 8 PMED |
| 14 | 400231020011 | 400231020261 | 8 PMED |
| 15 | 400231020011 | 400231020271 | 8 PMED |
| 16 | 400231020011 | 400231020291 | 8 PMED |
| 17 | 400231020011 | 400231020301 | 8 PMED |
| 18 | 400341010051 | 400341011121 | 8 PMED |
| 19 | 400341010051 | 400341011331 | 8 PMED |
| 20 | 400341020041 | 400341020251 | 8 PMED |
| 21 | 400341020041 | 400341020871 | 8 PMED |
| 22 | 400361010061 | 400361010391 | 8 PMED |
| 23 | 400361010061 | 400361010491 | 1 MVIS |
| 24 | 400361010061 | 400361010501 | 1 MVIS |
| 25 | 400361010061 | 400361010511 | 1 MVIS |
| 26 | 400361010061 | 400361010521 | 1 MVIS |
| 27 | 400361010061 | 400361010631 | 8 PMED |
| 28 | 400531010191 | 400531010471 | 1 MVIS |
| 29 | 400531010191 | 400531010511 | 1 MVIS |
| 30 | 400531010191 | 400531010521 | 1 MVIS |
| 31 | 400531010191 | 400531010691 | 8 PMED |
| 32 | 400621010051 | 400621010861 | 1 MVIS |
| 33 | 400621010051 | 400621011061 | 1 MVIS |
| 34 | 400621010051 | 400621011141 | 8 PMED |
| 35 | 400621020041 | 400621021281 | 1 MVIS |
| 36 | 400621020041 | 400621021381 | 8 PMED |
| 37 | 400621020041 | 400621021391 | 8 PMED |
| 38 | 400621020041 | 400621021401 | 8 PMED |
| 39 | 400621020041 | 400621021461 | 1 MVIS |
| 40 | 400621020041 | 400621021521 | 8 PMED |
| 41 | 400621020041 | 400621021531 | 8 PMED |
| 42 | 400631010011 | 400631010211 | 1 MVIS |
| 43 | 400791010021 | 400791010041 | 1 MVIS |
| 44 | 400791010021 | 400791010061 | 8 PMED |
| 45 | 400791010021 | 400791010071 | 8 PMED |
| 46 | 400841030011 | 400841030051 | 4 STAZ |
| 47 | 400841030011 | 400841030061 | 1 MVIS |
| 48 | 400841030011 | 400841030091 | 8 PMED |
| 49 | 400841030011 | 400841030131 | 3 EROM |
| 50 | 400841030011 | 400841030141 | 1 MVIS |

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Sample SAS Job for Example A

sample print of unique evntidxs from work.asclnks

| **Obs** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- |
| 1 | 400041040841 | 8 PMED |
| 2 | 400041070371 | 1 MVIS |
| 3 | 400041070391 | 1 MVIS |
| 4 | 400041070411 | 1 MVIS |
| 5 | 400041070421 | 1 MVIS |
| 6 | 400041070431 | 1 MVIS |
| 7 | 400041070441 | 1 MVIS |
| 8 | 400041070481 | 1 MVIS |
| 9 | 400041070511 | 1 MVIS |
| 10 | 400041070621 | 8 PMED |
| 11 | 400231020191 | 8 PMED |
| 12 | 400231020201 | 8 PMED |
| 13 | 400231020211 | 8 PMED |
| 14 | 400231020261 | 8 PMED |
| 15 | 400231020271 | 8 PMED |
| 16 | 400231020291 | 8 PMED |
| 17 | 400231020301 | 8 PMED |
| 18 | 400341011121 | 8 PMED |
| 19 | 400341011331 | 8 PMED |
| 20 | 400341020251 | 8 PMED |
| 21 | 400341020871 | 8 PMED |
| 22 | 400361010391 | 8 PMED |
| 23 | 400361010491 | 1 MVIS |
| 24 | 400361010501 | 1 MVIS |
| 25 | 400361010511 | 1 MVIS |
| 26 | 400361010521 | 1 MVIS |
| 27 | 400361010631 | 8 PMED |
| 28 | 400531010471 | 1 MVIS |
| 29 | 400531010511 | 1 MVIS |
| 30 | 400531010521 | 1 MVIS |
| 31 | 400531010691 | 8 PMED |
| 32 | 400621010861 | 1 MVIS |
| 33 | 400621011061 | 1 MVIS |
| 34 | 400621011141 | 8 PMED |
| 35 | 400621021281 | 1 MVIS |
| 36 | 400621021381 | 8 PMED |
| 37 | 400621021391 | 8 PMED |
| 38 | 400621021401 | 8 PMED |
| 39 | 400621021461 | 1 MVIS |
| 40 | 400621021521 | 8 PMED |
| 41 | 400621021531 | 8 PMED |
| 42 | 400631010211 | 1 MVIS |
| 43 | 400791010041 | 1 MVIS |
| 44 | 400791010061 | 8 PMED |
| 45 | 400791010071 | 8 PMED |
| 46 | 400841030051 | 4 STAZ |
| 47 | 400841030061 | 1 MVIS |
| 48 | 400841030091 | 8 PMED |
| 49 | 400841030131 | 3 EROM |
| 50 | 400841030141 | 1 MVIS |

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Sample SAS Job for Example A

sample print of work.asmvis

unique evntidxs from work.asclnks that are non-telephone MVIS (HC-168G) events

| **Obs** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- |
| 1 | 400041070371 | 1 MVIS |
| 2 | 400041070391 | 1 MVIS |
| 3 | 400041070411 | 1 MVIS |
| 4 | 400041070421 | 1 MVIS |
| 5 | 400041070431 | 1 MVIS |
| 6 | 400041070441 | 1 MVIS |
| 7 | 400041070481 | 1 MVIS |
| 8 | 400041070511 | 1 MVIS |
| 9 | 400361010491 | 1 MVIS |
| 10 | 400361010501 | 1 MVIS |
| 11 | 400361010511 | 1 MVIS |
| 12 | 400361010521 | 1 MVIS |
| 13 | 400531010471 | 1 MVIS |
| 14 | 400531010511 | 1 MVIS |
| 15 | 400531010521 | 1 MVIS |
| 16 | 400621010861 | 1 MVIS |
| 17 | 400621011061 | 1 MVIS |
| 18 | 400621021281 | 1 MVIS |
| 19 | 400621021461 | 1 MVIS |
| 20 | 400631010211 | 1 MVIS |
| 21 | 400791010041 | 1 MVIS |
| 22 | 400841030061 | 1 MVIS |
| 23 | 400841030141 | 1 MVIS |
| 24 | 400841030181 | 1 MVIS |
| 25 | 401391020411 | 1 MVIS |
| 26 | 402041010781 | 1 MVIS |
| 27 | 402141020181 | 1 MVIS |
| 28 | 402141020191 | 1 MVIS |
| 29 | 402371040151 | 1 MVIS |
| 30 | 402901020041 | 1 MVIS |
| 31 | 404011050831 | 1 MVIS |
| 32 | 404011050871 | 1 MVIS |
| 33 | 405051010201 | 1 MVIS |
| 34 | 405111010291 | 1 MVIS |
| 35 | 405111010301 | 1 MVIS |
| 36 | 405111010381 | 1 MVIS |
| 37 | 405111010481 | 1 MVIS |
| 38 | 405621020201 | 1 MVIS |
| 39 | 405621020211 | 1 MVIS |
| 40 | 406141020591 | 1 MVIS |
| 41 | 406141020601 | 1 MVIS |
| 42 | 406141020611 | 1 MVIS |
| 43 | 406141020621 | 1 MVIS |
| 44 | 406141020681 | 1 MVIS |
| 45 | 406181020541 | 1 MVIS |
| 46 | 406181020551 | 1 MVIS |
| 47 | 406181020601 | 1 MVIS |
| 48 | 406181020771 | 1 MVIS |
| 49 | 407011010251 | 1 MVIS |
| 50 | 407011010381 | 1 MVIS |

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Sample SAS Job for Example A

sample print of work.rxlk - sorted by evntidx

Rx+event link file records (HC-168IF2)

| **EVNTIDX** | **LINKIDX** | **EVENTYPE** |
| --- | --- | --- |
| 400011020111 | 400011020121 | 1 MVIS |
| 400011020111 | 400011020131 | 1 MVIS |
| 400021010081 | 400021010091 | 3 EROM |
| 400041020051 | 400041020081 | 1 MVIS |
| 400041030011 | 400041030051 | 1 MVIS |
| 400041040511 | 400041040741 | 1 MVIS |
| 400041040511 | 400041040751 | 1 MVIS |
| 400041040511 | 400041040761 | 1 MVIS |
| 400041040511 | 400041040771 | 1 MVIS |
| 400041040511 | 400041040781 | 1 MVIS |
| 400041040511 | 400041040791 | 1 MVIS |
| 400041040581 | 400041040801 | 1 MVIS |
| 400041040811 | 400041040841 | 1 MVIS |
| 400041040811 | 400041040851 | 1 MVIS |
| 400041040811 | 400041040861 | 1 MVIS |
| 400041040811 | 400041040871 | 1 MVIS |
| 400041040811 | 400041040881 | 1 MVIS |
| 400041040811 | 400041040891 | 1 MVIS |
| 400041040811 | 400041040901 | 1 MVIS |
| 400041040811 | 400041040911 | 1 MVIS |
| 400041050081 | 400041050101 | 1 MVIS |
| 400041050081 | 400041050111 | 1 MVIS |
| 400041060101 | 400041060211 | 1 MVIS |
| 400041060101 | 400041060221 | 1 MVIS |
| 400041060101 | 400041060231 | 1 MVIS |
| 400041060101 | 400041060241 | 1 MVIS |
| 400041060101 | 400041060251 | 1 MVIS |
| 400041060101 | 400041060261 | 1 MVIS |
| 400041060101 | 400041060271 | 1 MVIS |
| 400041060101 | 400041060281 | 1 MVIS |
| 400041060101 | 400041060291 | 1 MVIS |
| 400041060301 | 400041060321 | 1 MVIS |
| 400041060301 | 400041060331 | 1 MVIS |
| 400041060301 | 400041060341 | 1 MVIS |
| 400041060301 | 400041060351 | 1 MVIS |
| 400041060301 | 400041060361 | 1 MVIS |
| 400041060311 | 400041060361 | 1 MVIS |
| 400041070371 | 400041070621 | 1 MVIS |
| 400041070371 | 400041070631 | 1 MVIS |
| 400041070371 | 400041070641 | 1 MVIS |
| 400041070371 | 400041070651 | 1 MVIS |
| 400041070371 | 400041070661 | 1 MVIS |
| 400041070371 | 400041070671 | 1 MVIS |
| 400041070371 | 400041070681 | 1 MVIS |
| 400041070691 | 400041070711 | 1 MVIS |
| 400041070691 | 400041070721 | 1 MVIS |
| 400041070691 | 400041070731 | 1 MVIS |
| 400041070691 | 400041070741 | 1 MVIS |
| 400041070691 | 400041070751 | 1 MVIS |
| 400041070701 | 400041070721 | 1 MVIS |
| 400051010461 | 400051010511 | 1 MVIS |
| 400051010461 | 400051010521 | 1 MVIS |
| 400051010501 | 400051010541 | 1 MVIS |
| 400051010531 | 400051010551 | 1 MVIS |
| 400051010581 | 400051010641 | 1 MVIS |
| 400051010581 | 400051010651 | 1 MVIS |
| 400141010461 | 400141010561 | 1 MVIS |
| 400141010461 | 400141010571 | 1 MVIS |
| 400141010461 | 400141010581 | 1 MVIS |
| 400141010461 | 400141010591 | 1 MVIS |
| 400141010461 | 400141010601 | 1 MVIS |
| 400141010461 | 400141010611 | 1 MVIS |
| 400141010461 | 400141010621 | 1 MVIS |
| 400141010461 | 400141010631 | 1 MVIS |
| 400141010461 | 400141010641 | 1 MVIS |
| 400141010461 | 400141010651 | 1 MVIS |
| 400141010461 | 400141010661 | 1 MVIS |
| 400141010461 | 400141010671 | 1 MVIS |
| 400141010461 | 400141010681 | 1 MVIS |
| 400141010461 | 400141010691 | 1 MVIS |
| 400141010461 | 400141010701 | 1 MVIS |
| 400141010531 | 400141010701 | 3 EROM |
| 400141010711 | 400141010821 | 1 MVIS |
| 400141010711 | 400141010831 | 1 MVIS |
| 400141010711 | 400141010841 | 1 MVIS |
| 400141010711 | 400141010851 | 1 MVIS |
| 400141010711 | 400141010861 | 1 MVIS |
| 400141010711 | 400141010871 | 1 MVIS |
| 400141010711 | 400141010881 | 1 MVIS |
| 400141010711 | 400141010891 | 1 MVIS |
| 400141030071 | 400141030111 | 1 MVIS |
| 400141030131 | 400141030141 | 3 EROM |
| 400151020031 | 400151020131 | 1 MVIS |
| 400161010041 | 400161010051 | 1 MVIS |
| 400161030091 | 400161030101 | 1 MVIS |
| 400161030121 | 400161030131 | 1 MVIS |
| 400171010041 | 400171010131 | 3 EROM |
| 400171010051 | 400171010131 | 1 MVIS |
| 400171010171 | 400171010191 | 3 EROM |
| 400171010181 | 400171010191 | 1 MVIS |
| 400171010201 | 400171010211 | 1 MVIS |
| 400171020211 | 400171020321 | 1 MVIS |
| 400171020221 | 400171020321 | 1 MVIS |
| 400171030071 | 400171030121 | 1 MVIS |
| 400171030081 | 400171030121 | 1 MVIS |
| 400171030111 | 400171030121 | 1 MVIS |
| 400171030131 | 400171030151 | 1 MVIS |
| 400191010101 | 400191010141 | 1 MVIS |
| 400191030011 | 400191030071 | 4 STAZ |
| 400191030091 | 400191030111 | 1 MVIS |
| 400191050011 | 400191050031 | 3 EROM |
| 400191050011 | 400191050041 | 3 EROM |
| 400191050021 | 400191050031 | 3 EROM |
| 400191050021 | 400191050041 | 3 EROM |
| 400191050061 | 400191050071 | 1 MVIS |
| 400201040011 | 400201040051 | 1 MVIS |
| 400201040011 | 400201040061 | 1 MVIS |
| 400201040011 | 400201040071 | 1 MVIS |
| 400201040011 | 400201040081 | 1 MVIS |
| 400201040011 | 400201040091 | 1 MVIS |
| 400201040011 | 400201040101 | 1 MVIS |
| 400201040011 | 400201040111 | 1 MVIS |
| 400201040011 | 400201040121 | 1 MVIS |
| 400201040011 | 400201040131 | 1 MVIS |
| 400201040311 | 400201040411 | 1 MVIS |
| 400211010151 | 400211010161 | 4 STAZ |
| 400221010012 | 400221010032 | 1 MVIS |
| 400221010042 | 400221010112 | 1 MVIS |
| 400221010122 | 400221010202 | 1 MVIS |
| 400221010182 | 400221010212 | 4 STAZ |
| 400231010141 | 400231010191 | 1 MVIS |
| 400231010141 | 400231010201 | 1 MVIS |
| 400231010141 | 400231010211 | 1 MVIS |
| 400231010231 | 400231010271 | 1 MVIS |
| 400231010231 | 400231010281 | 1 MVIS |
| 400231010301 | 400231010311 | 1 MVIS |
| 400231010301 | 400231010321 | 1 MVIS |
| 400231030101 | 400231030161 | 1 MVIS |
| 400231030191 | 400231030391 | 1 MVIS |
| 400261010151 | 400261010161 | 1 MVIS |
| 400281010141 | 400281010161 | 1 MVIS |
| 400281010141 | 400281010171 | 1 MVIS |
| 400281010141 | 400281010181 | 1 MVIS |
| 400281010141 | 400281010191 | 1 MVIS |
| 400281010141 | 400281010201 | 1 MVIS |
| 400281010141 | 400281010211 | 1 MVIS |
| 400281010261 | 400281010271 | 1 MVIS |
| 400281010261 | 400281010281 | 1 MVIS |
| 400281010261 | 400281010291 | 1 MVIS |
| 400281010261 | 400281010301 | 1 MVIS |

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Sample SAS Job for Example A

sample print of work.pmedids - sorted by evntidx

work.rxlk records for evntidxs in work.asmvis

| **EVNTIDX** | **LINKIDX** | **EVENTYPE** |
| --- | --- | --- |
| 400041070371 | 400041070621 | 1 MVIS |
| 400041070371 | 400041070631 | 1 MVIS |
| 400041070371 | 400041070641 | 1 MVIS |
| 400041070371 | 400041070651 | 1 MVIS |
| 400041070371 | 400041070661 | 1 MVIS |
| 400041070371 | 400041070671 | 1 MVIS |
| 400041070371 | 400041070681 | 1 MVIS |
| 400361010491 | 400361010561 | 1 MVIS |
| 400361010491 | 400361010571 | 1 MVIS |
| 400361010491 | 400361010581 | 1 MVIS |
| 400531010471 | 400531010631 | 1 MVIS |
| 400531010471 | 400531010641 | 1 MVIS |
| 400531010471 | 400531010651 | 1 MVIS |
| 400531010471 | 400531010661 | 1 MVIS |
| 400531010471 | 400531010671 | 1 MVIS |
| 400531010471 | 400531010681 | 1 MVIS |
| 400531010471 | 400531010691 | 1 MVIS |
| 400531010471 | 400531010701 | 1 MVIS |
| 400531010471 | 400531010711 | 1 MVIS |
| 400531010471 | 400531010721 | 1 MVIS |
| 400621010861 | 400621010941 | 1 MVIS |
| 400621011061 | 400621011141 | 1 MVIS |
| 400621021281 | 400621021381 | 1 MVIS |
| 400621021281 | 400621021391 | 1 MVIS |
| 400621021281 | 400621021401 | 1 MVIS |
| 400621021461 | 400621021521 | 1 MVIS |
| 400621021461 | 400621021531 | 1 MVIS |
| 400621021461 | 400621021541 | 1 MVIS |
| 400791010041 | 400791010061 | 1 MVIS |
| 400841030141 | 400841030191 | 1 MVIS |
| 400841030141 | 400841030201 | 1 MVIS |
| 400841030181 | 400841030191 | 1 MVIS |
| 400841030181 | 400841030201 | 1 MVIS |
| 400841030181 | 400841030221 | 1 MVIS |
| 402141020191 | 402141020201 | 1 MVIS |
| 402141020191 | 402141020211 | 1 MVIS |
| 402901020041 | 402901020051 | 1 MVIS |
| 402901020041 | 402901020061 | 1 MVIS |
| 405051010201 | 405051010261 | 1 MVIS |
| 405051010201 | 405051010271 | 1 MVIS |
| 405051010201 | 405051010281 | 1 MVIS |
| 405051010201 | 405051010291 | 1 MVIS |
| 405051010201 | 405051010301 | 1 MVIS |
| 405051010201 | 405051010311 | 1 MVIS |
| 405111010291 | 405111010331 | 1 MVIS |
| 405111010291 | 405111010351 | 1 MVIS |
| 405111010381 | 405111010401 | 1 MVIS |
| 405111010381 | 405111010411 | 1 MVIS |
| 405111010381 | 405111010421 | 1 MVIS |
| 405111010381 | 405111010431 | 1 MVIS |

HC-168I

Sample SAS Job for Example A

sample print of work.pmedids - sorted by linkidx

| **Obs** | **EVNTIDX** | **LINKIDX** | **EVENTYPE** |
| --- | --- | --- | --- |
| 1 | 400041070371 | 400041070621 | 1 MVIS |
| 2 | 400041070371 | 400041070631 | 1 MVIS |
| 3 | 400041070371 | 400041070641 | 1 MVIS |
| 4 | 400041070371 | 400041070651 | 1 MVIS |
| 5 | 400041070371 | 400041070661 | 1 MVIS |
| 6 | 400041070371 | 400041070671 | 1 MVIS |
| 7 | 400041070371 | 400041070681 | 1 MVIS |
| 8 | 400361010491 | 400361010561 | 1 MVIS |
| 9 | 400361010491 | 400361010571 | 1 MVIS |
| 10 | 400361010491 | 400361010581 | 1 MVIS |
| 11 | 400531010471 | 400531010631 | 1 MVIS |
| 12 | 400531010471 | 400531010641 | 1 MVIS |
| 13 | 400531010471 | 400531010651 | 1 MVIS |
| 14 | 400531010471 | 400531010661 | 1 MVIS |
| 15 | 400531010471 | 400531010671 | 1 MVIS |
| 16 | 400531010471 | 400531010681 | 1 MVIS |
| 17 | 400531010471 | 400531010691 | 1 MVIS |
| 18 | 400531010471 | 400531010701 | 1 MVIS |
| 19 | 400531010471 | 400531010711 | 1 MVIS |
| 20 | 400531010471 | 400531010721 | 1 MVIS |
| 21 | 400621010861 | 400621010941 | 1 MVIS |
| 22 | 400621011061 | 400621011141 | 1 MVIS |
| 23 | 400621021281 | 400621021381 | 1 MVIS |
| 24 | 400621021281 | 400621021391 | 1 MVIS |
| 25 | 400621021281 | 400621021401 | 1 MVIS |
| 26 | 400621021461 | 400621021521 | 1 MVIS |
| 27 | 400621021461 | 400621021531 | 1 MVIS |
| 28 | 400621021461 | 400621021541 | 1 MVIS |
| 29 | 400791010041 | 400791010061 | 1 MVIS |
| 30 | 400841030141 | 400841030191 | 1 MVIS |
| 31 | 400841030181 | 400841030191 | 1 MVIS |
| 32 | 400841030141 | 400841030201 | 1 MVIS |
| 33 | 400841030181 | 400841030201 | 1 MVIS |
| 34 | 400841030181 | 400841030221 | 1 MVIS |
| 35 | 402141020191 | 402141020201 | 1 MVIS |
| 36 | 402141020191 | 402141020211 | 1 MVIS |
| 37 | 402901020041 | 402901020051 | 1 MVIS |
| 38 | 402901020041 | 402901020061 | 1 MVIS |
| 39 | 405051010201 | 405051010261 | 1 MVIS |
| 40 | 405051010201 | 405051010271 | 1 MVIS |
| 41 | 405051010201 | 405051010281 | 1 MVIS |
| 42 | 405051010201 | 405051010291 | 1 MVIS |
| 43 | 405051010201 | 405051010301 | 1 MVIS |
| 44 | 405051010201 | 405051010311 | 1 MVIS |
| 45 | 405111010291 | 405111010331 | 1 MVIS |
| 46 | 405111010291 | 405111010351 | 1 MVIS |
| 47 | 405111010381 | 405111010401 | 1 MVIS |
| 48 | 405111010381 | 405111010411 | 1 MVIS |
| 49 | 405111010381 | 405111010421 | 1 MVIS |
| 50 | 405111010381 | 405111010431 | 1 MVIS |

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Sample SAS Job for Example A

sample print of unique linkidxs in work.pmedids

| **Obs** | **LINKIDX** |
| --- | --- |
| 1 | 400041070621 |
| 2 | 400041070631 |
| 3 | 400041070641 |
| 4 | 400041070651 |
| 5 | 400041070661 |
| 6 | 400041070671 |
| 7 | 400041070681 |
| 8 | 400361010561 |
| 9 | 400361010571 |
| 10 | 400361010581 |
| 11 | 400531010631 |
| 12 | 400531010641 |
| 13 | 400531010651 |
| 14 | 400531010661 |
| 15 | 400531010671 |
| 16 | 400531010681 |
| 17 | 400531010691 |
| 18 | 400531010701 |
| 19 | 400531010711 |
| 20 | 400531010721 |
| 21 | 400621010941 |
| 22 | 400621011141 |
| 23 | 400621021381 |
| 24 | 400621021391 |
| 25 | 400621021401 |
| 26 | 400621021521 |
| 27 | 400621021531 |
| 28 | 400621021541 |
| 29 | 400791010061 |
| 30 | 400841030191 |
| 31 | 400841030201 |
| 32 | 400841030221 |
| 33 | 402141020201 |
| 34 | 402141020211 |
| 35 | 402901020051 |
| 36 | 402901020061 |
| 37 | 405051010261 |
| 38 | 405051010271 |
| 39 | 405051010281 |
| 40 | 405051010291 |
| 41 | 405051010301 |
| 42 | 405051010311 |
| 43 | 405111010331 |
| 44 | 405111010351 |
| 45 | 405111010401 |
| 46 | 405111010411 |
| 47 | 405111010421 |
| 48 | 405111010431 |
| 49 | 405111010441 |
| 50 | 405111010451 |

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Sample SAS Job for Example A

sample print of work.mvpmeds

PMED (HC-168A) records for unique linkidxs in work.pmedids

| **LINKIDX** | **RXRECIDX** | **RXNAME** | **RXXP14X** | **PERWT14F** |
| --- | --- | --- | --- | --- |
| 400041070621 | 400041070621001 | ALBUTEROL | 11.39 | 3126.381710 |
| 400041070631 | 400041070631001 | MAPAP | 4.98 | 3126.381710 |
| 400041070641 | 400041070641001 | NASONEX | 27.20 | 3126.381710 |
| 400041070641 | 400041070641002 | NASONEX | 27.20 | 3126.381710 |
| 400041070641 | 400041070641003 | NASONEX | 27.20 | 3126.381710 |
| 400041070651 | 400041070651001 | PROMETHAZINE | 5.00 | 3126.381710 |
| 400041070661 | 400041070661001 | LORATADINE | 10.35 | 3126.381710 |
| 400041070661 | 400041070661002 | LORATADINE | 10.35 | 3126.381710 |
| 400041070671 | 400041070671001 | CEFACLOR | 248.43 | 3126.381710 |
| 400041070681 | 400041070681001 | ESCAVITE | 20.34 | 3126.381710 |
| 400361010561 | 400361010561001 | SIMVASTATIN | 4.06 | 3169.951131 |
| 400361010561 | 400361010561002 | SIMVASTATIN | 4.06 | 3169.951131 |
| 400361010561 | 400361010561003 | SIMVASTATIN | 4.06 | 3169.951131 |
| 400361010571 | 400361010571001 | METOPROL TAR | 41.99 | 3169.951131 |
| 400361010571 | 400361010571002 | METOPROL TAR | 41.99 | 3169.951131 |
| 400361010571 | 400361010571003 | METOPROL TAR | 41.99 | 3169.951131 |
| 400361010571 | 400361010571004 | METOPROL TAR | 41.99 | 3169.951131 |
| 400361010571 | 400361010571005 | METOPROL TAR | 41.99 | 3169.951131 |
| 400361010581 | 400361010581001 | LISINOPRIL | 5.00 | 3169.951131 |
| 400361010581 | 400361010581002 | LISINOPRIL | 5.00 | 3169.951131 |
| 400361010581 | 400361010581003 | LISINOPRIL | 5.00 | 3169.951131 |
| 400531010631 | 400531010631001 | LANTUS | 227.08 | 4286.096196 |
| 400531010631 | 400531010631002 | LANTUS | 227.08 | 4286.096196 |
| 400531010631 | 400531010631003 | LANTUS | 253.95 | 4286.096196 |
| 400531010641 | 400531010641001 | EASY COMFORT | 15.66 | 4286.096196 |
| 400531010641 | 400531010641002 | INSULIN SYRG | 25.73 | 4286.096196 |
| 400531010641 | 400531010641003 | FORA V12 | 160.13 | 4286.096196 |
| 400531010641 | 400531010641004 | FORA V12 | 160.13 | 4286.096196 |
| 400531010641 | 400531010641005 | INSULIN SYRG | 25.73 | 4286.096196 |
| 400531010641 | 400531010641006 | EASY COMFORT | 15.66 | 4286.096196 |
| 400531010641 | 400531010641007 | INSULIN SYRG | 25.73 | 4286.096196 |
| 400531010641 | 400531010641008 | EASY COMFORT | 15.66 | 4286.096196 |
| 400531010641 | 400531010641009 | FORA V12 | 160.13 | 4286.096196 |
| 400531010651 | 400531010651001 | FUROSEMIDE | 2.49 | 4286.096196 |
| 400531010651 | 400531010651002 | FUROSEMIDE | 2.49 | 4286.096196 |
| 400531010661 | 400531010661001 | SERTRALINE | 5.30 | 4286.096196 |
| 400531010661 | 400531010661002 | SERTRALINE | 5.30 | 4286.096196 |
| 400531010671 | 400531010671001 | BENZONATATE | 20.00 | 4286.096196 |
| 400531010671 | 400531010671002 | BENZONATATE | 20.00 | 4286.096196 |
| 400531010681 | 400531010681001 | ZOLPIDEM | 20.00 | 4286.096196 |
| 400531010681 | 400531010681002 | ZOLPIDEM | 20.00 | 4286.096196 |
| 400531010691 | 400531010691001 | MONTELUKAST | 61.22 | 4286.096196 |
| 400531010691 | 400531010691002 | MONTELUKAST | 64.16 | 4286.096196 |
| 400531010701 | 400531010701001 | CRESTOR | 191.47 | 4286.096196 |
| 400531010701 | 400531010701002 | CRESTOR | 191.47 | 4286.096196 |
| 400531010711 | 400531010711001 | BUMETANIDE | 46.52 | 4286.096196 |
| 400531010711 | 400531010711002 | BUMETANIDE | 46.52 | 4286.096196 |
| 400531010721 | 400531010721001 | OMEPRAZOLE | 40.69 | 4286.096196 |
| 400531010721 | 400531010721002 | OMEPRAZOLE | 40.69 | 4286.096196 |
| 400621010941 | 400621010941001 | MONTELUKAST | 16.39 | 13668.453797 |
| 400621010941 | 400621010941002 | MONTELUKAST | 26.20 | 13668.453797 |
| 400621011141 | 400621011141001 | SYMBICORT | 334.99 | 13668.453797 |
| 400621021381 | 400621021381001 | Montelukast SOD | 18.13 | 9648.404913 |
| 400621021381 | 400621021381002 | Montelukast SOD | 18.13 | 9648.404913 |
| 400621021391 | 400621021391001 | SYMBICORT | 334.99 | 9648.404913 |
| 400621021391 | 400621021391002 | SYMBICORT | 334.99 | 9648.404913 |
| 400621021401 | 400621021401001 | Albuterol | 46.05 | 9648.404913 |
| 400621021401 | 400621021401002 | Albuterol | 46.05 | 9648.404913 |
| 400621021521 | 400621021521001 | SOD CHLORIDE | 10.30 | 9648.404913 |
| 400621021521 | 400621021521002 | SOD CHLORIDE | 10.30 | 9648.404913 |
| 400621021531 | 400621021531001 | SYMBICORT | 334.99 | 9648.404913 |
| 400621021531 | 400621021531002 | SYMBICORT | 334.99 | 9648.404913 |
| 400621021541 | 400621021541001 | Prednisone | 0.90 | 9648.404913 |
| 400621021541 | 400621021541002 | Prednisone | 0.90 | 9648.404913 |
| 400791010061 | 400791010061001 | PROAIR HFA | 65.19 | 32806.772770 |
| 400841030191 | 400841030191001 | FLOVENT DISK | 138.66 | 1099.308075 |
| 400841030191 | 400841030191002 | FLOVENT DISK | 138.66 | 1099.308075 |
| 400841030201 | 400841030201001 | ADVAIR DISKU | 288.80 | 1099.308075 |
| 400841030201 | 400841030201002 | ADVAIR DISKU | 288.80 | 1099.308075 |
| 400841030221 | 400841030221001 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030221 | 400841030221002 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030221 | 400841030221003 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 402141020201 | 402141020201001 | PREDNISONE | 8.87 | 4935.860124 |
| 402141020201 | 402141020201002 | PREDNISONE | 11.31 | 4935.860124 |
| 402141020211 | 402141020211001 | FLUTICASONE | 259.81 | 4935.860124 |
| 402901020051 | 402901020051001 | ADVAIR HFA | 260.47 | 15302.906053 |
| 402901020051 | 402901020051002 | ADVAIR HFA | 260.47 | 15302.906053 |
| 402901020061 | 402901020061001 | PROAIR HFA | 56.39 | 15302.906053 |
| 405051010261 | 405051010261001 | CLONIDINE | 291.38 | 2631.705391 |
| 405051010261 | 405051010261002 | CLONIDINE | 291.38 | 2631.705391 |
| 405051010271 | 405051010271001 | VENTOLIN HFA | 44.90 | 2631.705391 |
| 405051010271 | 405051010271002 | VENTOLIN HFA | 44.90 | 2631.705391 |
| 405051010281 | 405051010281001 | HYDROCHLOROT | 26.81 | 2631.705391 |
| 405051010281 | 405051010281002 | HYDROCHLOROT | 26.81 | 2631.705391 |
| 405051010291 | 405051010291001 | MINOXIDIL | 53.16 | 2631.705391 |
| 405051010291 | 405051010291002 | MINOXIDIL | 53.16 | 2631.705391 |
| 405051010301 | 405051010301001 | ENALAPRIL | 10.00 | 2631.705391 |
| 405051010301 | 405051010301002 | ENALAPRIL | 10.00 | 2631.705391 |
| 405051010311 | 405051010311001 | TRAMADOL HCL | 5.12 | 2631.705391 |
| 405111010331 | 405111010331001 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010331 | 405111010331002 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010331 | 405111010331003 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010331 | 405111010331004 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010331 | 405111010331005 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010351 | 405111010351001 | CAPTOPRIL | 31.79 | 3873.181726 |
| 405111010351 | 405111010351002 | CAPTOPRIL | 31.79 | 3873.181726 |
| 405111010351 | 405111010351003 | CAPTOPRIL | 31.79 | 3873.181726 |
| 405111010351 | 405111010351004 | CAPTOPRIL | 31.79 | 3873.181726 |
| 405111010351 | 405111010351005 | CAPTOPRIL | 31.79 | 3873.181726 |
| 405111010401 | 405111010401001 | HUMULIN N | 64.88 | 3873.181726 |
| 405111010411 | 405111010411001 | LANCETS | 17.69 | 3873.181726 |
| 405111010411 | 405111010411002 | ONETOUCH | 60.57 | 3873.181726 |
| 405111010421 | 405111010421001 | LEVOTHYROXIN | 10.00 | 3873.181726 |
| 405111010421 | 405111010421002 | LEVOTHYROXIN | 10.00 | 3873.181726 |
| 405111010421 | 405111010421003 | LEVOTHYROXIN | 10.00 | 3873.181726 |
| 405111010431 | 405111010431001 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010431 | 405111010431002 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010431 | 405111010431003 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010431 | 405111010431004 | GLYBURIDE | 20.00 | 3873.181726 |
| 405111010441 | 405111010441001 | METFORMIN | 8.00 | 3873.181726 |
| 405111010441 | 405111010441002 | METFORMIN | 8.00 | 3873.181726 |
| 405111010441 | 405111010441003 | METFORMIN | 8.00 | 3873.181726 |
| 405111010451 | 405111010451001 | CAPTOPRIL | 97.98 | 3873.181726 |
| 405111010451 | 405111010451002 | CAPTOPRIL | 97.98 | 3873.181726 |
| 405111010451 | 405111010451003 | CAPTOPRIL | 97.98 | 3873.181726 |
| 405111010461 | 405111010461001 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010461 | 405111010461002 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010461 | 405111010461003 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010471 | 405111010471001 | HUMULIN N | 18.35 | 3873.181726 |
| 405111010471 | 405111010471002 | HUMULIN N | 18.35 | 3873.181726 |
| 405111010471 | 405111010471003 | HUMULIN N | 18.35 | 3873.181726 |
| 405111010491 | 405111010491001 | LEVOTHYROXIN | 4.00 | 3873.181726 |
| 405111010491 | 405111010491002 | LEVOTHYROXIN | 4.00 | 3873.181726 |
| 405111010491 | 405111010491003 | LEVOTHYROXIN | 4.00 | 3873.181726 |
| 405111010491 | 405111010491004 | LEVOTHYROXIN | 4.00 | 3873.181726 |
| 405111010501 | 405111010501001 | GLYBURIDE | 8.00 | 3873.181726 |
| 405111010501 | 405111010501002 | GLYBURIDE | 8.00 | 3873.181726 |
| 405111010501 | 405111010501003 | GLYBURIDE | 8.00 | 3873.181726 |
| 405111010501 | 405111010501004 | GLYBURIDE | 8.00 | 3873.181726 |
| 405111010511 | 405111010511001 | METFORMIN | 8.00 | 3873.181726 |
| 405111010511 | 405111010511002 | METFORMIN | 8.00 | 3873.181726 |
| 405111010511 | 405111010511003 | METFORMIN | 8.00 | 3873.181726 |
| 405111010511 | 405111010511004 | METFORMIN | 8.00 | 3873.181726 |
| 405111010521 | 405111010521001 | CAPTOPRIL | 119.86 | 3873.181726 |
| 405111010531 | 405111010531001 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010531 | 405111010531002 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010531 | 405111010531003 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010531 | 405111010531004 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 406141020641 | 406141020641001 | ALBUTEROL | 39.99 | 4198.359936 |
| 406181020651 | 406181020651001 | AZITHROMYCIN | 5.68 | 10419.499141 |
| 406181020661 | 406181020661001 | PREDNISONE | 3.22 | 10419.499141 |
| 406181020661 | 406181020661002 | PREDNISONE | 8.00 | 10419.499141 |
| 406181020661 | 406181020661003 | PREDNISONE | 8.00 | 10419.499141 |
| 407011010291 | 407011010291001 | LEVOTHYROXIN | 9.79 | 7859.641490 |
| 407011010291 | 407011010291002 | LEVOTHYROXIN | 9.79 | 7859.641490 |
| 407011010291 | 407011010291003 | LEVOTHYROXIN | 9.79 | 7859.641490 |
| 407011010291 | 407011010291004 | LEVOTHYROXIN | 13.38 | 7859.641490 |
| 407011010291 | 407011010291005 | LEVOTHYROXIN | 13.38 | 7859.641490 |
| 407011010301 | 407011010301001 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010301 | 407011010301002 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010301 | 407011010301003 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010301 | 407011010301004 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010301 | 407011010301005 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010311 | 407011010311001 | AMLODIPINE | 4.60 | 7859.641490 |
| 407011010311 | 407011010311002 | AMLODIPINE | 4.60 | 7859.641490 |
| 407011010311 | 407011010311003 | AMLODIPINE | 4.60 | 7859.641490 |
| 407011010311 | 407011010311004 | AMLODIPINE | 4.60 | 7859.641490 |
| 407011010311 | 407011010311005 | AMLODIPINE | 4.60 | 7859.641490 |
| 407011010321 | 407011010321001 | AZITHROMYCIN | 10.01 | 7859.641490 |
| 407011010331 | 407011010331001 | MONTELUKAST | 9.67 | 7859.641490 |
| 407011010331 | 407011010331002 | MONTELUKAST | 9.67 | 7859.641490 |
| 407011010331 | 407011010331003 | MONTELUKAST | 9.67 | 7859.641490 |
| 407011010331 | 407011010331004 | MONTELUKAST | 9.67 | 7859.641490 |
| 407011010331 | 407011010331005 | MONTELUKAST | 9.67 | 7859.641490 |
| 407011010341 | 407011010341001 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010341 | 407011010341002 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010341 | 407011010341003 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010341 | 407011010341004 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010341 | 407011010341005 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010401 | 407011010401001 | LEVOTHYROXIN | 13.38 | 7859.641490 |
| 407011010401 | 407011010401002 | LEVOTHYROXIN | 30.57 | 7859.641490 |
| 407011010421 | 407011010421001 | AMLODIPINE | 4.60 | 7859.641490 |
| 407011010421 | 407011010421002 | AMLODIPINE | 139.99 | 7859.641490 |
| 407011010431 | 407011010431001 | MONTELUKAST | 8.88 | 7859.641490 |
| 407011010431 | 407011010431002 | MONTELUKAST | 72.24 | 7859.641490 |
| 407011010441 | 407011010441001 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010441 | 407011010441002 | SIMVASTATIN | 15.33 | 7859.641490 |
| 407411010101 | 407411010101001 | ASPIRIN | 0.50 | 3537.908345 |
| 407411010111 | 407411010111001 | NIFEDIPINE | 23.40 | 3537.908345 |
| 407411010111 | 407411010111002 | NIFEDIPINE | 23.40 | 3537.908345 |
| 407411010121 | 407411010121001 | LORATADINE | 4.00 | 3537.908345 |
| 407411010121 | 407411010121002 | LORATADINE | 4.00 | 3537.908345 |
| 407411010131 | 407411010131001 | FUROSEMIDE | 1.66 | 3537.908345 |
| 407411010131 | 407411010131002 | FUROSEMIDE | 1.66 | 3537.908345 |
| 407411010141 | 407411010141001 | GLUCOSAMINE | 13.66 | 3537.908345 |
| 407411010141 | 407411010141002 | GLUCOSAMINE | 13.66 | 3537.908345 |
| 407871040061 | 407871040061001 | PENICILLN VK | 1.50 | 7358.732740 |
| 407871040071 | 407871040071001 | VENTOLIN HFA | 44.14 | 7358.732740 |
| 408261010531 | 408261010531001 | SPIRIVA | 371.99 | 8612.204328 |
| 408261010531 | 408261010531002 | SPIRIVA | 371.99 | 8612.204328 |
| 408261010531 | 408261010531003 | SPIRIVA | 371.99 | 8612.204328 |
| 408261010531 | 408261010531004 | SPIRIVA | 371.99 | 8612.204328 |
| 408261010531 | 408261010531005 | SPIRIVA | 271.99 | 8612.204328 |
| 408261010541 | 408261010541001 | ADVAIR DISKU | 353.99 | 8612.204328 |
| 408261010541 | 408261010541002 | ADVAIR DISKU | 373.99 | 8612.204328 |
| 408261010541 | 408261010541003 | ADVAIR DISKU | 373.99 | 8612.204328 |
| 408261010541 | 408261010541004 | ADVAIR DISKU | 373.99 | 8612.204328 |
| 408261010541 | 408261010541005 | ADVAIR DISKU | 373.99 | 8612.204328 |
| 408261010551 | 408261010551001 | PROAIR HFA | 73.99 | 8612.204328 |
| 408261010551 | 408261010551002 | PROAIR HFA | 73.99 | 8612.204328 |

HC-168I

Sample SAS Job for Example A

Total Rx expenditures associated with medical visits (excluding telephone) for asthma

Analysis Variable: RXXP14X SUM OF PAYMENTS RXSF14X-RXOU14X(IMPUTED)

| **N** | **Sum** |
| --- | --- |
| 5018 | 496365.44 |

HC-168I

Sample SAS Job for Example A

Total Rx expenditures associated with medical visits (excluding telephone) for asthma

Weighted

Analysis Variable: RXXP14X SUM OF PAYMENTS RXSF14X-RXOU14X(IMPUTED)

| **N** | **Sum** |
| --- | --- |
| 5018 | 4030943995 |

1 The SAS System 14:51 Friday, August 12, 2016

NOTE: Copyright (c) 2002-2012 by SAS Institute Inc., Cary, NC, USA.

NOTE: SAS (r) Proprietary Software 9.4 (TS1M3)

NOTE: This session is executing on the W32\_7PRO platform.

NOTE: SAS initialization used:

real time 0.54 seconds

cpu time 0.15 seconds

NOTE: AUTOEXEC processing beginning; file is C:\Program Files\SAS\SASMISC\autoexec\_9432.sas.

NOTE: AUTOEXEC processing completed.

1

2

3

4 ods rtf file = 'C:\Data\sampleB.rtf’

4 ! bodytitle;

NOTE: Writing RTF Body file: C:\Data\sampleB.rtf

5

6 ods noproctitle;

7

8 OPTIONS LS=132 PS=59;

9

10 TITLE1 "HC-168I";

11 TITLE2 "Sample SAS Job for Example B";

12

13 LIBNAME IN "C:\Data";

NOTE: Libref IN was successfully assigned as follows:

Engine: V9

Physical Name: C:\Data

14

15 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

16 \* Calculate the expenditures for prescribed medicines associated with asthma.

17 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

18 PROC FORMAT;

19 VALUE EVENTYPE

20 1 = "1 MVIS"

21 2 = "2 OPAT"

22 3 = "3 EROM"

23 4 = "4 STAZ"

24 5 = "5 DVIS"

25 6 = "6 OMED"

26 7 = "7 HVIS"

27 8 = "8 PMED";

NOTE: Format EVENTYPE has been output.

28 RUN;

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NOTE: PROCEDURE FORMAT used (Total process time):

real time 0.03 seconds

cpu time 0.00 seconds

29

30 \*--------------------------------------------------------------------------------------

31 \* Get condition records coded as asthma.

32 \*--------------------------------------------------------------------------------------;

33 DATA ASCONDS;

34 SET IN.H170 (KEEP=CONDIDX CCCODEX);

35 IF CCCODEX="128";

36 RUN;

NOTE: There were 116679 observations read from the data set IN.H170.

NOTE: The data set WORK.ASCONDS has 2300 observations and 2 variables.

NOTE: Compressing data set WORK.ASCONDS increased size by 100.00 percent.

Compressed is 2 pages; un-compressed would require 1 pages.

NOTE: DATA statement used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

37

38 \*--------------------------------------------------------------------------

39 \* Get the events linked to each of the asthma condition records.

40 \*--------------------------------------------------------------------------;

41 PROC SORT DATA=ASCONDS; BY CONDIDX; RUN;

NOTE: There were 2300 observations read from the data set WORK.ASCONDS.

NOTE: SAS sort was used.

NOTE: The data set WORK.ASCONDS has 2300 observations and 2 variables.

NOTE: Compressing data set WORK.ASCONDS increased size by 100.00 percent.

Compressed is 2 pages; un-compressed would require 1 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

42

43 proc print data=asconds (obs=50);

44 title3 "sample print of work.asconds - sorted by condidx";

45 title4 "COND (H170) records where cccodex=128";

46 run;

NOTE: There were 50 observations read from the data set WORK.ASCONDS.

NOTE: The PROCEDURE PRINT printed page 1.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.03 seconds

cpu time 0.01 seconds

47

48 PROC SORT DATA=IN.H168IF1 OUT=CLNK; BY CONDIDX; RUN;

NOTE: There were 364577 observations read from the data set IN.H168IF1.

NOTE: SAS threaded sort was used.

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NOTE: The data set WORK.CLNK has 364577 observations and 6 variables.

NOTE: Compressing data set WORK.CLNK increased size by 5.47 percent.

Compressed is 424 pages; un-compressed would require 402 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.17 seconds

cpu time 0.31 seconds

49

50 DATA ASCLNKS;

51 MERGE CLNK (IN=INCLNK KEEP=CONDIDX EVNTIDX EVENTYPE)

52 ASCONDS(IN=INASCOND KEEP=CONDIDX);

53 BY CONDIDX;

54 IF INCLNK & INASCOND;

55 RUN;

NOTE: There were 364577 observations read from the data set WORK.CLNK.

NOTE: There were 2300 observations read from the data set WORK.ASCONDS.

NOTE: The data set WORK.ASCLNKS has 7021 observations and 3 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 50.00 percent.

Compressed is 6 pages; un-compressed would require 4 pages.

NOTE: DATA statement used (Total process time):

real time 0.10 seconds

cpu time 0.11 seconds

56

57 proc report data=asclnks (obs=75) nowd headskip;

58 define condidx /'CONDIDX' order;

59 define EVNTIDX /'EVNTIDX';

60 define EVENTYPE /'EVENTYPE';

61 break after condidx / skip;

62 format eventype eventype.;

63 title3 "sample print of work.asclnks - sorted by condidx";

64 title4 "events linked to asthma condition records";

65 run;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 75 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE REPORT printed pages 2-3.

NOTE: PROCEDURE REPORT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

66

67 PROC SORT DATA=ASCLNKS; BY EVNTIDX; RUN;

NOTE: There were 7021 observations read from the data set WORK.ASCLNKS.

NOTE: SAS sort was used.

NOTE: The data set WORK.ASCLNKS has 7021 observations and 3 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 50.00 percent.

Compressed is 6 pages; un-compressed would require 4 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

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68

69 proc print data=asclnks (obs=50);

70 format eventype eventype.;

71 title3 "sample print of work.asclnks - sorted by evntidx";

72 run;

NOTE: There were 50 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE PRINT printed page 4.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.01 seconds

cpu time 0.00 seconds

73

74 DATA ASCLNKS;

75 SET ASCLNKS (KEEP=EVNTIDX EVENTYPE);

76 BY EVNTIDX;

77 IF FIRST.EVNTIDX;

78 RUN;

NOTE: There were 7021 observations read from the data set WORK.ASCLNKS.

NOTE: The data set WORK.ASCLNKS has 7012 observations and 2 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 66.67 percent.

Compressed is 5 pages; un-compressed would require 3 pages.

NOTE: DATA statement used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

79

80 proc print data=asclnks (obs=50);

81 format eventype eventype.;

82 title3 "sample print of unique evntidxs from work.asclnks";

83 run;

NOTE: There were 50 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE PRINT printed page 5.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

84

85 \*-------------------------------------------------------------------------------

86 \* Get PMED records linked to asthma condition records.

87 \*-------------------------------------------------------------------------------;

88 PROC SORT DATA=IN.H168A OUT=PMED; BY LINKIDX; RUN;

NOTE: There were 319467 observations read from the data set IN.H168A.

NOTE: SAS threaded sort was used.

NOTE: The data set WORK.PMED has 319467 observations and 13 variables.

NOTE: Compressing data set WORK.PMED decreased size by 20.42 percent.

Compressed is 686 pages; un-compressed would require 862 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.32 seconds

cpu time 0.35 seconds

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89

90 DATA ASPMEDS;

91 MERGE PMED (KEEP=LINKIDX RXRECIDX RXNAME RXXP14X PERWT14F)

92 ASCLNKS (IN=INASCLNK KEEP=EVNTIDX RENAME=(EVNTIDX=LINKIDX));

93 BY LINKIDX;

94 IF INASCLNK & PERWT14F>0;

95 RUN;

NOTE: There were 319467 observations read from the data set WORK.PMED.

NOTE: There were 7012 observations read from the data set WORK.ASCLNKS.

NOTE: The data set WORK.ASPMEDS has 9817 observations and 5 variables.

NOTE: Compressing data set WORK.ASPMEDS decreased size by 20.00 percent.

Compressed is 12 pages; un-compressed would require 15 pages.

NOTE: DATA statement used (Total process time):

real time 0.12 seconds

cpu time 0.12 seconds

96

97 proc report data=aspmeds (obs=300) nowd headskip;

98 column LINKIDX RXRECIDX RXNAME RXXP14X PERWT14F;

99 define linkidx / 'LINKIDX' order;

100 define rxrecidx / 'RXRECIDX';

101 define rxname / 'RXNAME';

102 define rxxp14x / 'RXXP14X' display format=8.2;

103 define perwt14f / 'PERWT14F' /\*display format=8.2\*/;

104 break after linkidx / skip;

105 title3 "sample print of work.aspmeds";

106 title4 "PMED (HC-168A) records which link to condition records coded as asthma";

107 run;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 300 observations read from the data set WORK.ASPMEDS.

NOTE: The PROCEDURE REPORT printed pages 6-14.

NOTE: PROCEDURE REPORT used (Total process time):

real time 0.04 seconds

cpu time 0.04 seconds

108

109 PROC MEANS DATA=ASPMEDS N SUM;

110 VAR RXXP14X;

111 TITLE3 "Total Rx expenditures associated with asthma";

112 RUN;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 9817 observations read from the data set WORK.ASPMEDS.

NOTE: The PROCEDURE MEANS printed page 15.

NOTE: PROCEDURE MEANS used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

113

114 PROC MEANS DATA=ASPMEDS N SUM;

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115 VAR RXXP14X;

116 WEIGHT PERWT14F;

117 TITLE3 "Total Rx expenditures associated with asthma";

118 TITLE5 "Weighted";

119 RUN;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 9817 observations read from the data set WORK.ASPMEDS.

NOTE: The PROCEDURE MEANS printed page 16.

NOTE: PROCEDURE MEANS used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

120

121 ods rtf close;

122

NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414

NOTE: The SAS System used:

real time 1.79 seconds

cpu time 1.27 seconds

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Sample SAS Job for Example B

sample print of work.asconds - sorted by condidx

COND (H170) records where cccodex=128

| **Obs** | **CONDIDX** | **CCCODEX** |
| --- | --- | --- |
| 1 | 400041040011 | 128 |
| 2 | 400041070011 | 128 |
| 3 | 400121010021 | 128 |
| 4 | 400141030031 | 128 |
| 5 | 400171010021 | 128 |
| 6 | 400201020011 | 128 |
| 7 | 400231020011 | 128 |
| 8 | 400281020011 | 128 |
| 9 | 400301010051 | 128 |
| 10 | 400341010051 | 128 |
| 11 | 400341020041 | 128 |
| 12 | 400361010061 | 128 |
| 13 | 400531010191 | 128 |
| 14 | 400621010051 | 128 |
| 15 | 400621020041 | 128 |
| 16 | 400631010011 | 128 |
| 17 | 400791010021 | 128 |
| 18 | 400841030011 | 128 |
| 19 | 400841050011 | 128 |
| 20 | 400841070041 | 128 |
| 21 | 400841070051 | 128 |
| 22 | 401391020021 | 128 |
| 23 | 401431020051 | 128 |
| 24 | 401781020051 | 128 |
| 25 | 401861040011 | 128 |
| 26 | 401861070011 | 128 |
| 27 | 402041010061 | 128 |
| 28 | 402141020021 | 128 |
| 29 | 402171030011 | 128 |
| 30 | 402371010011 | 128 |
| 31 | 402371040011 | 128 |
| 32 | 402901020021 | 128 |
| 33 | 402961020011 | 128 |
| 34 | 402961030041 | 128 |
| 35 | 402971050021 | 128 |
| 36 | 402971050031 | 128 |
| 37 | 403281010071 | 128 |
| 38 | 403311010021 | 128 |
| 39 | 404011050011 | 128 |
| 40 | 404031010061 | 128 |
| 41 | 404151010021 | 128 |
| 42 | 404191020031 | 128 |
| 43 | 404451050041 | 128 |
| 44 | 404791030081 | 128 |
| 45 | 404831010102 | 128 |
| 46 | 404831030011 | 128 |
| 47 | 404951030011 | 128 |
| 48 | 405051010051 | 128 |
| 49 | 405051010071 | 128 |
| 50 | 405091030011 | 128 |

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Sample SAS Job for Example B

sample print of work.asclnks - sorted by condidx

events linked to asthma condition records

| **CONDIDX** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- |
| 400041040011 | 400041040841 | 8 PMED |
| 400041070011 | 400041070371 | 1 MVIS |
| 400041070011 | 400041070391 | 1 MVIS |
| 400041070011 | 400041070411 | 1 MVIS |
| 400041070011 | 400041070421 | 1 MVIS |
| 400041070011 | 400041070431 | 1 MVIS |
| 400041070011 | 400041070441 | 1 MVIS |
| 400041070011 | 400041070481 | 1 MVIS |
| 400041070011 | 400041070511 | 1 MVIS |
| 400041070011 | 400041070621 | 8 PMED |
| 400231020011 | 400231020191 | 8 PMED |
| 400231020011 | 400231020201 | 8 PMED |
| 400231020011 | 400231020211 | 8 PMED |
| 400231020011 | 400231020261 | 8 PMED |
| 400231020011 | 400231020271 | 8 PMED |
| 400231020011 | 400231020291 | 8 PMED |
| 400231020011 | 400231020301 | 8 PMED |
| 400341010051 | 400341011121 | 8 PMED |
| 400341010051 | 400341011331 | 8 PMED |
| 400341020041 | 400341020251 | 8 PMED |
| 400341020041 | 400341020871 | 8 PMED |
| 400361010061 | 400361010391 | 8 PMED |
| 400361010061 | 400361010491 | 1 MVIS |
| 400361010061 | 400361010501 | 1 MVIS |
| 400361010061 | 400361010511 | 1 MVIS |
| 400361010061 | 400361010521 | 1 MVIS |
| 400361010061 | 400361010631 | 8 PMED |
| 400531010191 | 400531010471 | 1 MVIS |
| 400531010191 | 400531010511 | 1 MVIS |
| 400531010191 | 400531010521 | 1 MVIS |
| 400531010191 | 400531010691 | 8 PMED |
| 400621010051 | 400621010861 | 1 MVIS |
| 400621010051 | 400621011061 | 1 MVIS |
| 400621010051 | 400621011141 | 8 PMED |
| 400621020041 | 400621021281 | 1 MVIS |
| 400621020041 | 400621021381 | 8 PMED |
| 400621020041 | 400621021391 | 8 PMED |
| 400621020041 | 400621021401 | 8 PMED |
| 400621020041 | 400621021461 | 1 MVIS |
| 400621020041 | 400621021521 | 8 PMED |
| 400621020041 | 400621021531 | 8 PMED |
| 400631010011 | 400631010211 | 1 MVIS |
| 400791010021 | 400791010041 | 1 MVIS |
| 400791010021 | 400791010061 | 8 PMED |
| 400791010021 | 400791010071 | 8 PMED |
| 400841030011 | 400841030051 | 4 STAZ |
| 400841030011 | 400841030061 | 1 MVIS |
| 400841030011 | 400841030091 | 8 PMED |
| 400841030011 | 400841030131 | 3 EROM |
| 400841030011 | 400841030141 | 1 MVIS |
| 400841030011 | 400841030181 | 1 MVIS |
| 400841030011 | 400841030191 | 8 PMED |
| 400841030011 | 400841030201 | 8 PMED |
| 400841030011 | 400841030221 | 8 PMED |
| 400841050011 | 400841050081 | 8 PMED |
| 400841050011 | 400841050181 | 8 PMED |
| 400841070041 | 400841070231 | 8 PMED |
| 400841070041 | 400841070291 | 8 PMED |
| 401391020021 | 401391020371 | 8 PMED |
| 401391020021 | 401391020411 | 1 MVIS |
| 401391020021 | 401391020441 | 8 PMED |
| 401391020021 | 401391020461 | 8 PMED |
| 401391020021 | 401391020471 | 8 PMED |
| 401431020051 | 401431020291 | 8 PMED |
| 401431020051 | 401431020311 | 8 PMED |
| 401861040011 | 401861040201 | 8 PMED |
| 401861040011 | 401861040221 | 8 PMED |
| 401861070011 | 401861070151 | 8 PMED |
| 401861070011 | 401861070181 | 8 PMED |
| 402041010061 | 402041010711 | 8 PMED |
| 402041010061 | 402041010781 | 1 MVIS |
| 402041010061 | 402041010871 | 8 PMED |
| 402041010061 | 402041010931 | 8 PMED |
| 402141020021 | 402141020181 | 1 MVIS |
| 402141020021 | 402141020191 | 1 MVIS |

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Sample SAS Job for Example B

sample print of work.asclnks - sorted by evntidx

| **Obs** | **CONDIDX** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- | --- |
| 1 | 400041040011 | 400041040841 | 8 PMED |
| 2 | 400041070011 | 400041070371 | 1 MVIS |
| 3 | 400041070011 | 400041070391 | 1 MVIS |
| 4 | 400041070011 | 400041070411 | 1 MVIS |
| 5 | 400041070011 | 400041070421 | 1 MVIS |
| 6 | 400041070011 | 400041070431 | 1 MVIS |
| 7 | 400041070011 | 400041070441 | 1 MVIS |
| 8 | 400041070011 | 400041070481 | 1 MVIS |
| 9 | 400041070011 | 400041070511 | 1 MVIS |
| 10 | 400041070011 | 400041070621 | 8 PMED |
| 11 | 400231020011 | 400231020191 | 8 PMED |
| 12 | 400231020011 | 400231020201 | 8 PMED |
| 13 | 400231020011 | 400231020211 | 8 PMED |
| 14 | 400231020011 | 400231020261 | 8 PMED |
| 15 | 400231020011 | 400231020271 | 8 PMED |
| 16 | 400231020011 | 400231020291 | 8 PMED |
| 17 | 400231020011 | 400231020301 | 8 PMED |
| 18 | 400341010051 | 400341011121 | 8 PMED |
| 19 | 400341010051 | 400341011331 | 8 PMED |
| 20 | 400341020041 | 400341020251 | 8 PMED |
| 21 | 400341020041 | 400341020871 | 8 PMED |
| 22 | 400361010061 | 400361010391 | 8 PMED |
| 23 | 400361010061 | 400361010491 | 1 MVIS |
| 24 | 400361010061 | 400361010501 | 1 MVIS |
| 25 | 400361010061 | 400361010511 | 1 MVIS |
| 26 | 400361010061 | 400361010521 | 1 MVIS |
| 27 | 400361010061 | 400361010631 | 8 PMED |
| 28 | 400531010191 | 400531010471 | 1 MVIS |
| 29 | 400531010191 | 400531010511 | 1 MVIS |
| 30 | 400531010191 | 400531010521 | 1 MVIS |
| 31 | 400531010191 | 400531010691 | 8 PMED |
| 32 | 400621010051 | 400621010861 | 1 MVIS |
| 33 | 400621010051 | 400621011061 | 1 MVIS |
| 34 | 400621010051 | 400621011141 | 8 PMED |
| 35 | 400621020041 | 400621021281 | 1 MVIS |
| 36 | 400621020041 | 400621021381 | 8 PMED |
| 37 | 400621020041 | 400621021391 | 8 PMED |
| 38 | 400621020041 | 400621021401 | 8 PMED |
| 39 | 400621020041 | 400621021461 | 1 MVIS |
| 40 | 400621020041 | 400621021521 | 8 PMED |
| 41 | 400621020041 | 400621021531 | 8 PMED |
| 42 | 400631010011 | 400631010211 | 1 MVIS |
| 43 | 400791010021 | 400791010041 | 1 MVIS |
| 44 | 400791010021 | 400791010061 | 8 PMED |
| 45 | 400791010021 | 400791010071 | 8 PMED |
| 46 | 400841030011 | 400841030051 | 4 STAZ |
| 47 | 400841030011 | 400841030061 | 1 MVIS |
| 48 | 400841030011 | 400841030091 | 8 PMED |
| 49 | 400841030011 | 400841030131 | 3 EROM |
| 50 | 400841030011 | 400841030141 | 1 MVIS |

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Sample SAS Job for Example B

sample print of unique evntidxs from work.asclnks

| **Obs** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- |
| 1 | 400041040841 | 8 PMED |
| 2 | 400041070371 | 1 MVIS |
| 3 | 400041070391 | 1 MVIS |
| 4 | 400041070411 | 1 MVIS |
| 5 | 400041070421 | 1 MVIS |
| 6 | 400041070431 | 1 MVIS |
| 7 | 400041070441 | 1 MVIS |
| 8 | 400041070481 | 1 MVIS |
| 9 | 400041070511 | 1 MVIS |
| 10 | 400041070621 | 8 PMED |
| 11 | 400231020191 | 8 PMED |
| 12 | 400231020201 | 8 PMED |
| 13 | 400231020211 | 8 PMED |
| 14 | 400231020261 | 8 PMED |
| 15 | 400231020271 | 8 PMED |
| 16 | 400231020291 | 8 PMED |
| 17 | 400231020301 | 8 PMED |
| 18 | 400341011121 | 8 PMED |
| 19 | 400341011331 | 8 PMED |
| 20 | 400341020251 | 8 PMED |
| 21 | 400341020871 | 8 PMED |
| 22 | 400361010391 | 8 PMED |
| 23 | 400361010491 | 1 MVIS |
| 24 | 400361010501 | 1 MVIS |
| 25 | 400361010511 | 1 MVIS |
| 26 | 400361010521 | 1 MVIS |
| 27 | 400361010631 | 8 PMED |
| 28 | 400531010471 | 1 MVIS |
| 29 | 400531010511 | 1 MVIS |
| 30 | 400531010521 | 1 MVIS |
| 31 | 400531010691 | 8 PMED |
| 32 | 400621010861 | 1 MVIS |
| 33 | 400621011061 | 1 MVIS |
| 34 | 400621011141 | 8 PMED |
| 35 | 400621021281 | 1 MVIS |
| 36 | 400621021381 | 8 PMED |
| 37 | 400621021391 | 8 PMED |
| 38 | 400621021401 | 8 PMED |
| 39 | 400621021461 | 1 MVIS |
| 40 | 400621021521 | 8 PMED |
| 41 | 400621021531 | 8 PMED |
| 42 | 400631010211 | 1 MVIS |
| 43 | 400791010041 | 1 MVIS |
| 44 | 400791010061 | 8 PMED |
| 45 | 400791010071 | 8 PMED |
| 46 | 400841030051 | 4 STAZ |
| 47 | 400841030061 | 1 MVIS |
| 48 | 400841030091 | 8 PMED |
| 49 | 400841030131 | 3 EROM |
| 50 | 400841030141 | 1 MVIS |

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Sample SAS Job for Example B

sample print of work.aspmeds

PMED (HC-168A) records which link to condition records coded as asthma

| **LINKIDX** | **RXRECIDX** | **RXNAME** | **RXXP14X** | **PERWT14F** |
| --- | --- | --- | --- | --- |
| 400041040841 | 400041040841001 | PROVENTIL | 10.14 | 3108.652487 |
| 400041070621 | 400041070621001 | ALBUTEROL | 11.39 | 3126.381710 |
| 400231020191 | 400231020191001 | SYMBICORT | 257.90 | 5511.043992 |
| 400231020191 | 400231020191002 | SYMBICORT | 257.90 | 5511.043992 |
| 400231020201 | 400231020201001 | PROAIR HFA | 49.07 | 5511.043992 |
| 400231020211 | 400231020211001 | PREDNISONE | 7.91 | 5511.043992 |
| 400231020261 | 400231020261001 | SYMBICORT | 257.90 | 5511.043992 |
| 400231020261 | 400231020261002 | SYMBICORT | 257.90 | 5511.043992 |
| 400231020271 | 400231020271001 | PROAIR HFA | 49.07 | 5511.043992 |
| 400231020291 | 400231020291001 | SYMBICORT | 257.96 | 5511.043992 |
| 400231020291 | 400231020291002 | SYMBICORT | 257.93 | 5511.043992 |
| 400231020301 | 400231020301001 | PROAIR HFA | 49.07 | 5511.043992 |
| 400341011121 | 400341011121001 | PROAIR HFA | 135.98 | 14487.114734 |
| 400341011331 | 400341011331001 | PROAIR HFA | 49.64 | 14487.114734 |
| 400341020251 | 400341020251001 | PROAIR HFA | 52.55 | 16242.436536 |
| 400341020251 | 400341020251002 | PROAIR HFA | 52.55 | 16242.436536 |
| 400341020871 | 400341020871001 | VENTOLIN HFA | 45.97 | 16242.436536 |
| 400341020871 | 400341020871002 | VENTOLIN HFA | 45.97 | 16242.436536 |
| 400341020871 | 400341020871003 | VENTOLIN HFA | 45.97 | 16242.436536 |
| 400361010391 | 400361010391001 | VENTOLIN HFA | 66.00 | 3169.951131 |
| 400361010391 | 400361010391002 | VENTOLIN HFA | 66.00 | 3169.951131 |
| 400361010631 | 400361010631001 | VENTOLIN HFA | 48.95 | 3169.951131 |
| 400531010691 | 400531010691001 | MONTELUKAST | 61.22 | 4286.096196 |
| 400531010691 | 400531010691002 | MONTELUKAST | 64.16 | 4286.096196 |
| 400621011141 | 400621011141001 | SYMBICORT | 334.99 | 13668.453797 |
| 400621021381 | 400621021381001 | Montelukast SOD | 18.13 | 9648.404913 |
| 400621021381 | 400621021381002 | Montelukast SOD | 18.13 | 9648.404913 |
| 400621021391 | 400621021391001 | SYMBICORT | 334.99 | 9648.404913 |
| 400621021391 | 400621021391002 | SYMBICORT | 334.99 | 9648.404913 |
| 400621021401 | 400621021401001 | Albuterol | 46.05 | 9648.404913 |
| 400621021401 | 400621021401002 | Albuterol | 46.05 | 9648.404913 |
| 400621021521 | 400621021521001 | SOD CHLORIDE | 10.30 | 9648.404913 |
| 400621021521 | 400621021521002 | SOD CHLORIDE | 10.30 | 9648.404913 |
| 400621021531 | 400621021531001 | SYMBICORT | 334.99 | 9648.404913 |
| 400621021531 | 400621021531002 | SYMBICORT | 334.99 | 9648.404913 |
| 400791010061 | 400791010061001 | PROAIR HFA | 65.19 | 32806.772770 |
| 400791010071 | 400791010071001 | PROAIR HFA | 65.19 | 32806.772770 |
| 400841030091 | 400841030091001 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030091 | 400841030091002 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030091 | 400841030091003 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030091 | 400841030091004 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030091 | 400841030091005 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030091 | 400841030091006 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030191 | 400841030191001 | FLOVENT DISK | 138.66 | 1099.308075 |
| 400841030191 | 400841030191002 | FLOVENT DISK | 138.66 | 1099.308075 |
| 400841030201 | 400841030201001 | ADVAIR DISKU | 288.80 | 1099.308075 |
| 400841030201 | 400841030201002 | ADVAIR DISKU | 288.80 | 1099.308075 |
| 400841030221 | 400841030221001 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030221 | 400841030221002 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841030221 | 400841030221003 | VENTOLIN HFA | 44.07 | 1099.308075 |
| 400841050081 | 400841050081001 | EPUMP/JOEY | 249.60 | 1660.928413 |
| 400841050081 | 400841050081002 | EPUMP/JOEY | 249.60 | 1660.928413 |
| 400841050181 | 400841050181001 | EPUMP/JOEY | 249.60 | 1660.928413 |
| 400841070231 | 400841070231001 | ALBUTEROL | 4.20 | 1488.112447 |
| 400841070291 | 400841070291001 | ALBUTEROL | 17.80 | 1488.112447 |
| 401391020371 | 401391020371001 | ADVAIR DISKU | 296.02 | 9703.103101 |
| 401391020441 | 401391020441001 | ADVAIR DISKU | 373.99 | 9703.103101 |
| 401391020461 | 401391020461001 | ALBUTEROL | 87.75 | 9703.103101 |
| 401391020471 | 401391020471001 | CIPROFLOXACN | 4.17 | 9703.103101 |
| 401431020291 | 401431020291001 | MONTELUKAST | 46.11 | 11638.384337 |
| 401431020311 | 401431020311001 | DYMISTA | 149.31 | 11638.384337 |
| 401431020311 | 401431020311002 | DYMISTA | 178.28 | 11638.384337 |
| 401861040201 | 401861040201001 | VENTOLIN HFA | 44.97 | 5553.641011 |
| 401861040221 | 401861040221001 | VENTOLIN HFA | 44.97 | 5553.641011 |
| 401861070151 | 401861070151001 | FLOVENT HFA | 140.23 | 5665.540292 |
| 401861070181 | 401861070181001 | FLOVENT DISK | 138.66 | 5665.540292 |
| 402041010711 | 402041010711001 | ADVAIR HFA | 267.74 | 13311.352264 |
| 402041010871 | 402041010871001 | Advair | 142.66 | 13311.352264 |
| 402041010931 | 402041010931001 | PROAIR HFA | 280.21 | 13311.352264 |
| 402141020201 | 402141020201001 | PREDNISONE | 8.87 | 4935.860124 |
| 402141020201 | 402141020201002 | PREDNISONE | 11.31 | 4935.860124 |
| 402141020211 | 402141020211001 | FLUTICASONE | 259.81 | 4935.860124 |
| 402141020221 | 402141020221001 | SPIRIVA | 1015.42 | 4935.860124 |
| 402141020231 | 402141020231001 | PROVENTIL | 210.46 | 4935.860124 |
| 402141020231 | 402141020231002 | PROVENTIL | 210.46 | 4935.860124 |
| 402141020241 | 402141020241001 | SYMBICORT | 919.72 | 4935.860124 |
| 402141020311 | 402141020311001 | SPIRIVA | 1015.42 | 4935.860124 |
| 402141020311 | 402141020311002 | SPIRIVA | 1076.11 | 4935.860124 |
| 402141020321 | 402141020321001 | PROVENTIL | 210.46 | 4935.860124 |
| 402141020321 | 402141020321002 | PROVENTIL | 210.46 | 4935.860124 |
| 402141020331 | 402141020331001 | SYMBICORT | 919.72 | 4935.860124 |
| 402141020331 | 402141020331002 | SYMBICORT | 919.72 | 4935.860124 |
| 402141020341 | 402141020341001 | ACCOLATE | 413.65 | 4935.860124 |
| 402141020351 | 402141020351001 | LORATADINE | 31.06 | 4935.860124 |
| 402141020351 | 402141020351002 | LORATADINE | 31.06 | 4935.860124 |
| 402171030081 | 402171030081001 | VENTOLIN HFA | 46.62 | 1898.255039 |
| 402371010151 | 402371010151001 | PROVENTIL | 64.31 | 4215.497238 |
| 402371010151 | 402371010151002 | VENTOLIN HFA | 44.32 | 4215.497238 |
| 402901020051 | 402901020051001 | ADVAIR HFA | 260.47 | 15302.906053 |
| 402901020051 | 402901020051002 | ADVAIR HFA | 260.47 | 15302.906053 |
| 402901020061 | 402901020061001 | PROAIR HFA | 56.39 | 15302.906053 |
| 402901020071 | 402901020071001 | ADVAIR DISKU | 296.02 | 15302.906053 |
| 402901020081 | 402901020081001 | ADVAIR DISKU | 296.02 | 15302.906053 |
| 402901020091 | 402901020091001 | PROVENTIL | 60.22 | 15302.906053 |
| 402961020811 | 402961020811001 | VENTOLIN HFA | 65.99 | 17514.953385 |
| 402961021201 | 402961021201001 | VENTOLIN HFA | 65.99 | 17514.953385 |
| 402971050101 | 402971050101001 | PROAIR HFA | 47.94 | 4391.500605 |
| 402971050101 | 402971050101002 | VENTOLIN HFA | 56.22 | 4391.500605 |
| 402971050131 | 402971050131001 | PROAIR HFA | 47.94 | 4391.500605 |
| 402971050131 | 402971050131002 | PROAIR HFA | 47.94 | 4391.500605 |
| 402971050131 | 402971050131003 | VENTOLIN HFA | 56.22 | 4391.500605 |
| 402971050151 | 402971050151001 | PROAIR HFA | 47.94 | 4391.500605 |
| 402971050151 | 402971050151002 | VENTOLIN HFA | 56.22 | 4391.500605 |
| 402971050161 | 402971050161001 | PREDNISONE | 10.89 | 4391.500605 |
| 403281010901 | 403281010901001 | PROVENTIL | 71.96 | 2248.107871 |
| 403281011811 | 403281011811001 | PROVENTIL | 71.96 | 2248.107871 |
| 403281011811 | 403281011811002 | PROVENTIL | 402.00 | 2248.107871 |
| 403311010161 | 403311010161001 | MONTELUKAST | 509.97 | 13923.037473 |
| 403311010161 | 403311010161002 | MONTELUKAST | 509.97 | 13923.037473 |
| 403311010171 | 403311010171001 | COMBIVENT | 222.93 | 13923.037473 |
| 403311010181 | 403311010181001 | ADVAIR DISKU | 491.99 | 13923.037473 |
| 403311010271 | 403311010271001 | MONTELUKAST | 509.97 | 13923.037473 |
| 403311010271 | 403311010271002 | MONTELUKAST | 509.97 | 13923.037473 |
| 403311010311 | 403311010311001 | DILTIAZEM | 43.23 | 13923.037473 |
| 403311010311 | 403311010311002 | DILTIAZEM | 43.23 | 13923.037473 |
| 403311010321 | 403311010321001 | COMBIVENT | 222.93 | 13923.037473 |
| 403311010331 | 403311010331001 | ADVAIR DISKU | 491.99 | 13923.037473 |
| 404011050561 | 404011050561001 | Flovent HFA | 141.37 | 9109.174820 |
| 404011050561 | 404011050561002 | Flovent HFA | 141.37 | 9109.174820 |
| 404011050591 | 404011050591001 | ventolin HPA | 45.78 | 9109.174820 |
| 404011050591 | 404011050591002 | mVentolin HPA | 45.78 | 9109.174820 |
| 404011050751 | 404011050751001 | Flovent HFA | 141.37 | 9109.174820 |
| 404011050751 | 404011050751002 | Flovent HFA | 141.37 | 9109.174820 |
| 404011050751 | 404011050751003 | Flovent HFA | 141.37 | 9109.174820 |
| 404011050751 | 404011050751004 | Flovent HFA | 141.37 | 9109.174820 |
| 404011050751 | 404011050751005 | Flovent HFA | 141.37 | 9109.174820 |
| 404011050761 | 404011050761001 | Montelukast | 26.40 | 9109.174820 |
| 404011050761 | 404011050761002 | Montelukast | 12.00 | 9109.174820 |
| 404011050761 | 404011050761003 | Montelukast | 12.00 | 9109.174820 |
| 404011050761 | 404011050761004 | Montelukast | 26.40 | 9109.174820 |
| 404011050761 | 404011050761005 | Montelukast | 26.40 | 9109.174820 |
| 404011050781 | 404011050781001 | Ventolin HPA | 45.78 | 9109.174820 |
| 404011050781 | 404011050781002 | Ventolin HPA | 45.78 | 9109.174820 |
| 404011050781 | 404011050781003 | Ventolin HPA | 45.78 | 9109.174820 |
| 404011050781 | 404011050781004 | Ventolin HFA | 45.78 | 9109.174820 |
| 404011050781 | 404011050781005 | Ventolin HFA | 45.78 | 9109.174820 |
| 404011051131 | 404011051131001 | Flovent HFA | 141.37 | 9109.174820 |
| 404011051131 | 404011051131002 | Flovent HFA | 141.37 | 9109.174820 |
| 404011051131 | 404011051131003 | Flovent HFA | 141.37 | 9109.174820 |
| 404011051131 | 404011051131004 | Flovent HFA | 141.37 | 9109.174820 |
| 404011051131 | 404011051131005 | Flovent HFA | 141.37 | 9109.174820 |
| 404011051131 | 404011051131006 | Flovent HFA | 141.37 | 9109.174820 |
| 404011051161 | 404011051161001 | Ventolin HFA | 45.78 | 9109.174820 |
| 404011051161 | 404011051161002 | Ventolin HFA | 45.78 | 9109.174820 |
| 404011051161 | 404011051161003 | Ventolin HFA | 45.78 | 9109.174820 |
| 404011051161 | 404011051161004 | Ventolin HFA | 45.78 | 9109.174820 |
| 404011051161 | 404011051161005 | Ventolin HFA | 45.78 | 9109.174820 |
| 404011051161 | 404011051161006 | Ventolin HFA | 45.78 | 9109.174820 |
| 404031010171 | 404031010171001 | QVAR | 4.41 | 2734.029058 |
| 404031010171 | 404031010171002 | QVAR | 4.41 | 2734.029058 |
| 404031010171 | 404031010171003 | QVAR | 4.41 | 2734.029058 |
| 404031010171 | 404031010171004 | QVAR | 4.41 | 2734.029058 |
| 404031010171 | 404031010171005 | QVAR | 4.41 | 2734.029058 |
| 404031010171 | 404031010171006 | QVAR | 4.41 | 2734.029058 |
| 404031010181 | 404031010181001 | PROVENTIL | 4.40 | 2734.029058 |
| 404031010181 | 404031010181002 | PROVENTIL | 4.40 | 2734.029058 |
| 404031010181 | 404031010181003 | PROVENTIL | 4.40 | 2734.029058 |
| 404031010181 | 404031010181004 | PROVENTIL | 4.40 | 2734.029058 |
| 404031010181 | 404031010181005 | PROVENTIL | 4.40 | 2734.029058 |
| 404031010181 | 404031010181006 | PROVENTIL | 4.40 | 2734.029058 |
| 404191020161 | 404191020161001 | IPRATROPIUM/ | 129.99 | 6851.679697 |
| 404451050061 | 404451050061001 | ALBUTEROL | 20.99 | 5432.395522 |
| 404451050061 | 404451050061002 | ALBUTEROL | 20.99 | 5432.395522 |
| 404451050061 | 404451050061003 | ALBUTEROL | 20.99 | 5432.395522 |
| 404451050061 | 404451050061004 | ALBUTEROL | 20.99 | 5432.395522 |
| 404451050071 | 404451050071001 | QVAR | 131.22 | 5432.395522 |
| 404831010802 | 404831010802001 | SYMBICORT | 240.50 | 5843.873293 |
| 404831030351 | 404831030351001 | Q-TAPP | 2.40 | 4324.406967 |
| 404831030361 | 404831030361001 | IPRATROPIUM | 4.00 | 4324.406967 |
| 404831030451 | 404831030451001 | ALBUTEROL | 8.00 | 4324.406967 |
| 404831030451 | 404831030451002 | ALBUTEROL | 8.00 | 4324.406967 |
| 404831030451 | 404831030451003 | ALBUTEROL | 8.00 | 4324.406967 |
| 404831030491 | 404831030491001 | IPRATROPIUM | 4.00 | 4324.406967 |
| 404831030491 | 404831030491002 | IPRATROPIUM | 4.00 | 4324.406967 |
| 404831030491 | 404831030491003 | IPRATROPIUM | 4.00 | 4324.406967 |
| 404951030011 | 404951030011001 | ALBUTEROL | 13.00 | 4699.466434 |
| 405051010271 | 405051010271001 | VENTOLIN HFA | 44.90 | 2631.705391 |
| 405051010271 | 405051010271002 | VENTOLIN HFA | 44.90 | 2631.705391 |
| 405051010361 | 405051010361001 | VENTOLIN HFA | 44.90 | 2631.705391 |
| 405091030071 | 405091030071001 | LORATADINE | 12.00 | 4086.068516 |
| 405091030101 | 405091030101001 | ADVAIR HFA | 267.74 | 4086.068516 |
| 405091030101 | 405091030101002 | ADVAIR HFA | 267.74 | 4086.068516 |
| 405091030101 | 405091030101003 | ADVAIR HFA | 267.74 | 4086.068516 |
| 405091030101 | 405091030101004 | ADVAIR HFA | 267.74 | 4086.068516 |
| 405091030101 | 405091030101005 | ADVAIR HFA | 267.74 | 4086.068516 |
| 405091030101 | 405091030101006 | ADVAIR HFA | 267.74 | 4086.068516 |
| 405091030101 | 405091030101007 | ADVAIR HFA | 267.74 | 4086.068516 |
| 405091030101 | 405091030101008 | ADVAIR HFA | 267.74 | 4086.068516 |
| 405091030111 | 405091030111001 | ALBUTEROL | 91.97 | 4086.068516 |
| 405091030111 | 405091030111002 | ALBUTEROL | 91.97 | 4086.068516 |
| 405091030111 | 405091030111003 | ALBUTEROL | 91.97 | 4086.068516 |
| 405091030111 | 405091030111004 | ALBUTEROL | 91.97 | 4086.068516 |
| 405091030111 | 405091030111005 | ALBUTEROL | 91.97 | 4086.068516 |
| 405091030111 | 405091030111006 | ALBUTEROL | 91.97 | 4086.068516 |
| 405091030111 | 405091030111007 | ALBUTEROL | 91.97 | 4086.068516 |
| 405091030111 | 405091030111008 | ALBUTEROL | 91.97 | 4086.068516 |
| 405091030121 | 405091030121001 | ALBUTEROL | 43.98 | 4086.068516 |
| 405091030121 | 405091030121002 | ALBUTEROL | 43.98 | 4086.068516 |
| 405091030121 | 405091030121003 | ALBUTEROL | 43.98 | 4086.068516 |
| 405111010461 | 405111010461001 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010461 | 405111010461002 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010461 | 405111010461003 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010531 | 405111010531001 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010531 | 405111010531002 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010531 | 405111010531003 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405111010531 | 405111010531004 | VENTOLIN HFA | 48.04 | 3873.181726 |
| 405251010781 | 405251010781001 | XOPENEX HFA | 606.51 | 21688.532292 |
| 405491030341 | 405491030341001 | PROAIR HFA | 48.62 | 8243.006091 |
| 405621020301 | 405621020301001 | Albuterol Sulfate | 70.26 | 6065.316961 |
| 406021040221 | 406021040221001 | PROAIR HFA | 49.55 | 1602.044045 |
| 406051010581 | 406051010581001 | MONTELUKAST | 15.09 | 7891.627086 |
| 406051011141 | 406051011141001 | MONTELUKAST | 15.34 | 7891.627086 |
| 406051011141 | 406051011141002 | MONTELUKAST | 169.99 | 7891.627086 |
| 406051011141 | 406051011141003 | MONTELUKAST | 15.34 | 7891.627086 |
| 406051011141 | 406051011141004 | MONTELUKAST | 15.34 | 7891.627086 |
| 406051011141 | 406051011141005 | MONTELUKAST | 15.34 | 7891.627086 |
| 406051011151 | 406051011151001 | PROAIR HFA | 28.99 | 7891.627086 |
| 406051011151 | 406051011151002 | PROAIR HFA | 28.99 | 7891.627086 |
| 406051011151 | 406051011151003 | PROAIR HFA | 28.99 | 7891.627086 |
| 406141020571 | 406141020571001 | ALBUTEROL | 5.00 | 4198.359936 |
| 406141020641 | 406141020641001 | ALBUTEROL | 39.99 | 4198.359936 |
| 406141020651 | 406141020651001 | PREDNISONE | 4.00 | 4198.359936 |
| 406141020791 | 406141020791001 | SPIRIVA | 371.99 | 4198.359936 |
| 406141020801 | 406141020801001 | ALBUTEROL | 17.09 | 4198.359936 |
| 406141020801 | 406141020801002 | ALBUTEROL | 7.26 | 4198.359936 |
| 406181020421 | 406181020421001 | METHYLPRED | 8.00 | 10419.499141 |
| 406181020441 | 406181020441001 | MONTELUKAST | 8.08 | 10419.499141 |
| 406181020501 | 406181020501001 | ADVAIR HFA | 387.67 | 10419.499141 |
| 406181020531 | 406181020531001 | PROAIR HFA | 49.68 | 10419.499141 |
| 406181020661 | 406181020661001 | PREDNISONE | 3.22 | 10419.499141 |
| 406181020661 | 406181020661002 | PREDNISONE | 8.00 | 10419.499141 |
| 406181020661 | 406181020661003 | PREDNISONE | 8.00 | 10419.499141 |
| 406181020751 | 406181020751001 | IPRATROPIUM | 17.24 | 10419.499141 |
| 406181020751 | 406181020751002 | IPRATROPIUM | 17.24 | 10419.499141 |
| 406181020761 | 406181020761001 | PROAIR HFA | 49.68 | 10419.499141 |
| 406181020761 | 406181020761002 | PROAIR HFA | 49.68 | 10419.499141 |
| 406181020781 | 406181020781001 | MONTELUKAST | 26.65 | 10419.499141 |
| 406181020781 | 406181020781002 | MONTELUKAST | 17.77 | 10419.499141 |
| 406181020851 | 406181020851001 | PROAIR HFA | 49.68 | 10419.499141 |
| 406271010181 | 406271010181001 | PROAIR HFA | 135.98 | 9641.708096 |
| 406271010201 | 406271010201001 | MONTELUKAST | 42.19 | 9641.708096 |
| 406271010201 | 406271010201002 | MONTELUKAST | 42.19 | 9641.708096 |
| 406271010321 | 406271010321001 | MONTELUKAST | 24.63 | 9641.708096 |
| 406271010321 | 406271010321002 | MONTELUKAST | 20.33 | 9641.708096 |
| 406271010341 | 406271010341001 | PROAIR HFA | 135.98 | 9641.708096 |
| 406271010341 | 406271010341002 | PROAIR HFA | 135.98 | 9641.708096 |
| 406411080081 | 406411080081001 | SINGULAIR | 181.49 | 8331.652109 |
| 406441010081 | 406441010081001 | VENTOLIN HFA | 43.89 | 4812.908637 |
| 406441010091 | 406441010091001 | ADVAIR DISKU | 339.99 | 4812.908637 |
| 406471030031 | 406471030031001 | VENTOLIN HFA | 65.99 | 10221.268727 |
| 406481030151 | 406481030151001 | MONTELUKAST | 137.99 | 5033.813682 |
| 406481030171 | 406481030171001 | ALBUTEROL | 9.92 | 5033.813682 |
| 406481050221 | 406481050221001 | IPRATROPIUM/ | 60.00 | 5424.107123 |
| 406481050241 | 406481050241001 | MONTELUKAST | 26.10 | 5424.107123 |
| 406481050251 | 406481050251001 | ALBUTEROL | 38.32 | 5424.107123 |
| 406481050411 | 406481050411001 | MONTELUKAST | 17.93 | 5424.107123 |
| 406481050411 | 406481050411002 | MONTELUKAST | 17.93 | 5424.107123 |
| 406481050421 | 406481050421001 | ALBUTEROL | 21.99 | 5424.107123 |
| 406481050421 | 406481050421002 | ALBUTEROL | 48.99 | 5424.107123 |
| 406561020231 | 406561020231001 | ALBUTEROL | 12.61 | 4792.543080 |
| 406801020211 | 406801020211001 | PROAIR HFA | 55.52 | 8925.913972 |
| 406801020211 | 406801020211002 | PROAIR HFA | 55.52 | 8925.913972 |
| 406801020221 | 406801020221001 | FLOVENT DISK | 138.66 | 8925.913972 |
| 406801020221 | 406801020221002 | FLOVENT DISK | 138.66 | 8925.913972 |
| 407011010201 | 407011010201001 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010201 | 407011010201002 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010201 | 407011010201003 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010231 | 407011010231001 | MONTELUKAST | 9.67 | 7859.641490 |
| 407011010231 | 407011010231002 | MONTELUKAST | 9.67 | 7859.641490 |
| 407011010231 | 407011010231003 | MONTELUKAST | 9.67 | 7859.641490 |
| 407011010301 | 407011010301001 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010301 | 407011010301002 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010301 | 407011010301003 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010301 | 407011010301004 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010301 | 407011010301005 | METHYLPRED | 19.09 | 7859.641490 |
| 407011010341 | 407011010341001 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010341 | 407011010341002 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010341 | 407011010341003 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010341 | 407011010341004 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010341 | 407011010341005 | SIMVASTATIN | 5.11 | 7859.641490 |
| 407011010431 | 407011010431001 | MONTELUKAST | 8.88 | 7859.641490 |
| 407011010431 | 407011010431002 | MONTELUKAST | 72.24 | 7859.641490 |
| 407291010421 | 407291010421001 | IPRATROPIUM/ | 40.88 | 23293.343684 |
| 407291010431 | 407291010431001 | SYMBICORT | 721.50 | 23293.343684 |
| 407291010441 | 407291010441001 | PROAIR HFA | 73.99 | 23293.343684 |
| 407291010551 | 407291010551001 | IPRATROPIUM/ | 40.88 | 23293.343684 |
| 407291010571 | 407291010571001 | SYMBICORT | 697.85 | 23293.343684 |
| 407291010591 | 407291010591001 | PROAIR HFA | 73.99 | 23293.343684 |
| 407411010251 | 407411010251001 | FLOVENT HFA | 371.99 | 3537.908345 |
| 407411010251 | 407411010251002 | FLOVENT HFA | 371.99 | 3537.908345 |
| 407411010251 | 407411010251003 | FLOVENT HFA | 371.99 | 3537.908345 |
| 407411010251 | 407411010251004 | FLOVENT HFA | 371.99 | 3537.908345 |
| 407411010251 | 407411010251005 | FLOVENT HFA | 371.99 | 3537.908345 |
| 407411010251 | 407411010251006 | FLOVENT HFA | 371.99 | 3537.908345 |
| 407411010341 | 407411010341001 | FLOVENT HFA | 371.99 | 3537.908345 |
| 407411010341 | 407411010341002 | FLOVENT HFA | 371.99 | 3537.908345 |
| 407531020091 | 407531020091001 | ALBUTEROL | 10.59 | 6727.590679 |
| 407531020091 | 407531020091002 | ALBUTEROL | 10.59 | 6727.590679 |
| 407531020101 | 407531020101001 | SEREVENT DIS | 211.76 | 6727.590679 |
| 407531020101 | 407531020101002 | SEREVENT DIS | 211.76 | 6727.590679 |

HC-168I

Sample SAS Job for Example B

Total Rx expenditures associated with asthma

Analysis Variable : RXXP14X SUM OF PAYMENTS RXSF14X-RXOU14X(IMPUTED)

| **N** | **Sum** |
| --- | --- |
| 9817 | 1373443.41 |

HC-168I

Sample SAS Job for Example B

Total Rx expenditures associated with asthma

Weighted

Analysis Variable : RXXP14X SUM OF PAYMENTS RXSF14X-RXOU14X(IMPUTED)

| **N** | **Sum** |
| --- | --- |
| 9817 | 13498967848 |

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NOTE: Copyright (c) 2002-2012 by SAS Institute Inc., Cary, NC, USA.

NOTE: SAS (r) Proprietary Software 9.4 (TS1M3)

NOTE: This session is executing on the W32\_7PRO platform.

NOTE: SAS initialization used:

real time 0.57 seconds

cpu time 0.09 seconds

NOTE: AUTOEXEC processing beginning; file is C:\Program Files\SAS\SASMISC\autoexec\_9432.sas.

NOTE: AUTOEXEC processing completed.

1

2

3

4 ods rtf file = 'C:\Data\sampleC.rtf'

4 ! bodytitle;

NOTE: Writing RTF Body file: C:\Data\sampleC.rtf

programs\sampleC.rtf

5

6 ods noproctitle;

7

8 OPTIONS LS=132 PS=59;

9

10 TITLE1 "HC-168I";

11 TITLE2 "Sample SAS Job for Example C";

12

13 LIBNAME IN "C:\Data";

NOTE: Libref IN was successfully assigned as follows:

Engine: V9

Physical Name: C:\Data

14

15 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

16 \* Calculate the expenditures for medical visits associated with asthma.

17 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

18 PROC FORMAT;

19 VALUE EVENTYPE

20 1 = "1 MVIS"

21 2 = "2 OPAT"

22 3 = "3 EROM"

23 4 = "4 STAZ"

24 5 = "5 DVIS"

25 6 = "6 OMED"

26 7 = "7 HVIS"

27 8 = "8 PMED";

NOTE: Format EVENTYPE has been output.

28 RUN;

NOTE: PROCEDURE FORMAT used (Total process time):

real time 0.09 seconds

cpu time 0.01 seconds

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29

30 \*-----------------------------------------------------------------------------------

31 \* Get conditions records coded as asthma.

32 \*-----------------------------------------------------------------------------------;

33 DATA ASCONDS;

34 SET IN.H170 (KEEP=CONDIDX CCCODEX);

35 IF CCCODEX="128";

36 RUN;

NOTE: There were 116679 observations read from the data set IN.H170.

NOTE: The data set WORK.ASCONDS has 2300 observations and 2 variables.

NOTE: Compressing data set WORK.ASCONDS increased size by 100.00 percent.

Compressed is 2 pages; un-compressed would require 1 pages.

NOTE: DATA statement used (Total process time):

real time 0.03 seconds

cpu time 0.03 seconds

37

38 \*------------------------------------------------------------------------------------

39 \* Get the events linked to each of the asthma condition records.

40 \*------------------------------------------------------------------------------------;

41 PROC SORT DATA=ASCONDS; BY CONDIDX; RUN;

NOTE: There were 2300 observations read from the data set WORK.ASCONDS.

NOTE: SAS sort was used.

NOTE: The data set WORK.ASCONDS has 2300 observations and 2 variables.

NOTE: Compressing data set WORK.ASCONDS increased size by 100.00 percent.

Compressed is 2 pages; un-compressed would require 1 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

42

43 proc print data=asconds (obs=50);

44 title3 "sample print of work.asconds - sorted by condidx";

45 title4 "COND (H170) records where cccodex=128";

46 run;

NOTE: There were 50 observations read from the data set WORK.ASCONDS.

NOTE: The PROCEDURE PRINT printed page 1.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.03 seconds

cpu time 0.03 seconds

47

48 PROC SORT DATA=IN.H168IF1 OUT=CLNK; BY CONDIDX; RUN;

NOTE: There were 364577 observations read from the data set IN.H168IF1.

NOTE: SAS threaded sort was used.

NOTE: The data set WORK.CLNK has 364577 observations and 6 variables.

NOTE: Compressing data set WORK.CLNK increased size by 5.47 percent.

Compressed is 424 pages; un-compressed would require 402 pages.

NOTE: PROCEDURE SORT used (Total process time):

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real time 0.18 seconds

cpu time 0.32 seconds

49

50 DATA ASCLNKS;

51 MERGE CLNK (IN=INCLNK KEEP=CONDIDX EVNTIDX EVENTYPE)

52 ASCONDS(IN=INASCOND KEEP=CONDIDX);

53 BY CONDIDX;

54 IF INCLNK & INASCOND;

55 RUN;

NOTE: There were 364577 observations read from the data set WORK.CLNK.

NOTE: There were 2300 observations read from the data set WORK.ASCONDS.

NOTE: The data set WORK.ASCLNKS has 7021 observations and 3 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 50.00 percent.

Compressed is 6 pages; un-compressed would require 4 pages.

NOTE: DATA statement used (Total process time):

real time 0.09 seconds

cpu time 0.09 seconds

56

57 proc report data=asclnks (obs=75)nowd headskip;

58 define condidx / 'CONDIDX' order;

59 define evntidx / 'EVNTIDX';

60 define eventype / 'EVENTYPE';

61 break after condidx / skip;

62 format eventype eventype.;

63 title3 "sample print of work.asclnks - sorted by condidx";

64 title4 "events linked to asthma condition records";

65 run;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 75 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE REPORT printed pages 2-3.

NOTE: PROCEDURE REPORT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

66

67 PROC SORT DATA=ASCLNKS; BY EVNTIDX; RUN;

NOTE: There were 7021 observations read from the data set WORK.ASCLNKS.

NOTE: SAS sort was used.

NOTE: The data set WORK.ASCLNKS has 7021 observations and 3 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 50.00 percent.

Compressed is 6 pages; un-compressed would require 4 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

68

69 proc print data=asclnks (obs=50);

70 format eventype eventype.;

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71 title3 "sample print of work.asclnks - sorted by evntidx";

72 run;

NOTE: There were 50 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE PRINT printed page 4.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

73

74 DATA ASCLNKS;

75 SET ASCLNKS (KEEP=EVNTIDX EVENTYPE);

76 BY EVNTIDX;

77 IF FIRST.EVNTIDX;

78 RUN;

NOTE: There were 7021 observations read from the data set WORK.ASCLNKS.

NOTE: The data set WORK.ASCLNKS has 7012 observations and 2 variables.

NOTE: Compressing data set WORK.ASCLNKS increased size by 66.67 percent.

Compressed is 5 pages; un-compressed would require 3 pages.

NOTE: DATA statement used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

79

80 proc print data=asclnks (obs=50);

81 format eventype eventype.;

82 title3 "sample print of unique evntidxs from work.asclnks";

83 run;

NOTE: There were 50 observations read from the data set WORK.ASCLNKS.

NOTE: The PROCEDURE PRINT printed page 5.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

84

85 \*--------------------------------------------------------------------------------------------

86 \* Get non-telephone office based visits (i.e. MVIS events) for persons with positive weights.

87 \*--------------------------------------------------------------------------------------------;

88 DATA MVIS;

89 SET IN.H168G (KEEP=EVNTIDX PERWT14F SEETLKPV OBXP14X);

90 IF PERWT14F > 0 & SEETLKPV NE 2;

91 RUN;

NOTE: There were 166005 observations read from the data set IN.H168G.

NOTE: The data set WORK.MVIS has 161200 observations and 4 variables.

NOTE: Compressing data set WORK.MVIS increased size by 7.07 percent.

Compressed is 106 pages; un-compressed would require 99 pages.

NOTE: DATA statement used (Total process time):

real time 2.23 seconds

cpu time 0.07 seconds

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92

93 PROC SORT DATA=MVIS; BY EVNTIDX; RUN;

NOTE: There were 161200 observations read from the data set WORK.MVIS.

NOTE: SAS threaded sort was used.

NOTE: The data set WORK.MVIS has 161200 observations and 4 variables.

NOTE: Compressing data set WORK.MVIS increased size by 7.07 percent.

Compressed is 106 pages; un-compressed would require 99 pages.

NOTE: PROCEDURE SORT used (Total process time):

real time 0.07 seconds

cpu time 0.07 seconds

94

95 \*-------------------------------------------------------------------------------------

96 \* Identify MVIS events which were for asthma.

97 \*-------------------------------------------------------------------------------------;

98 DATA ASMVIS;

99 MERGE ASCLNKS (IN=INASCLNK)

100 MVIS (IN=INMVIS);

101 BY EVNTIDX;

102 IF INASCLNK & INMVIS;

103 RUN;

NOTE: There were 7012 observations read from the data set WORK.ASCLNKS.

NOTE: There were 161200 observations read from the data set WORK.MVIS.

NOTE: The data set WORK.ASMVIS has 1988 observations and 5 variables.

NOTE: Compressing data set WORK.ASMVIS increased size by 50.00 percent.

Compressed is 3 pages; un-compressed would require 2 pages.

NOTE: DATA statement used (Total process time):

real time 0.04 seconds

cpu time 0.04 seconds

104

105 proc print data=asmvis (obs=50);

106 format eventype eventype.;

107 title3 "sample print of work.asmvis";

108 title4 "unique evntidxs from work.asclnks that are non-telephone MVIS (HC-168G) events";

109 run;

NOTE: There were 50 observations read from the data set WORK.ASMVIS.

NOTE: The PROCEDURE PRINT printed page 6.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.01 seconds

cpu time 0.01 seconds

110

111 PROC MEANS DATA=ASMVIS N SUM;

112 VAR OBXP14X;

113 TITLE3 "Total medical visit expenditures (excluding telephone) associated with asthma";

114 RUN;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 1988 observations read from the data set WORK.ASMVIS.

NOTE: The PROCEDURE MEANS printed page 7.

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NOTE: PROCEDURE MEANS used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

115

116 PROC MEANS DATA=ASMVIS N SUM;

117 VAR OBXP14X;

118 WEIGHT PERWT14F;

119 TITLE3 "Total medical visit expenditures (excluding telephone) associated with asthma";

120 TITLE5 "Weighted";

121 RUN;

NOTE: Multiple concurrent threads will be used to summarize data.

NOTE: There were 1988 observations read from the data set WORK.ASMVIS.

NOTE: The PROCEDURE MEANS printed page 8.

NOTE: PROCEDURE MEANS used (Total process time):

real time 0.00 seconds

cpu time 0.00 seconds

122

123 ods rtf close;

124

125

NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414

NOTE: The SAS System used:

real time 3.74 seconds

cpu time 0.99 seconds

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Sample SAS Job for Example C

sample print of work.asconds - sorted by condidx

COND (H170) records where cccodex=128

| **Obs** | **CONDIDX** | **CCCODEX** |
| --- | --- | --- |
| 1 | 400041040011 | 128 |
| 2 | 400041070011 | 128 |
| 3 | 400121010021 | 128 |
| 4 | 400141030031 | 128 |
| 5 | 400171010021 | 128 |
| 6 | 400201020011 | 128 |
| 7 | 400231020011 | 128 |
| 8 | 400281020011 | 128 |
| 9 | 400301010051 | 128 |
| 10 | 400341010051 | 128 |
| 11 | 400341020041 | 128 |
| 12 | 400361010061 | 128 |
| 13 | 400531010191 | 128 |
| 14 | 400621010051 | 128 |
| 15 | 400621020041 | 128 |
| 16 | 400631010011 | 128 |
| 17 | 400791010021 | 128 |
| 18 | 400841030011 | 128 |
| 19 | 400841050011 | 128 |
| 20 | 400841070041 | 128 |
| 21 | 400841070051 | 128 |
| 22 | 401391020021 | 128 |
| 23 | 401431020051 | 128 |
| 24 | 401781020051 | 128 |
| 25 | 401861040011 | 128 |
| 26 | 401861070011 | 128 |
| 27 | 402041010061 | 128 |
| 28 | 402141020021 | 128 |
| 29 | 402171030011 | 128 |
| 30 | 402371010011 | 128 |
| 31 | 402371040011 | 128 |
| 32 | 402901020021 | 128 |
| 33 | 402961020011 | 128 |
| 34 | 402961030041 | 128 |
| 35 | 402971050021 | 128 |
| 36 | 402971050031 | 128 |
| 37 | 403281010071 | 128 |
| 38 | 403311010021 | 128 |
| 39 | 404011050011 | 128 |
| 40 | 404031010061 | 128 |
| 41 | 404151010021 | 128 |
| 42 | 404191020031 | 128 |
| 43 | 404451050041 | 128 |
| 44 | 404791030081 | 128 |
| 45 | 404831010102 | 128 |
| 46 | 404831030011 | 128 |
| 47 | 404951030011 | 128 |
| 48 | 405051010051 | 128 |
| 49 | 405051010071 | 128 |
| 50 | 405091030011 | 128 |

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Sample SAS Job for Example C

sample print of work.asclnks - sorted by condidx

events linked to asthma condition records

| **CONDIDX** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- |
| 400041040011 | 400041040841 | 8 PMED |
| 400041070011 | 400041070371 | 1 MVIS |
| 400041070011 | 400041070391 | 1 MVIS |
| 400041070011 | 400041070411 | 1 MVIS |
| 400041070011 | 400041070421 | 1 MVIS |
| 400041070011 | 400041070431 | 1 MVIS |
| 400041070011 | 400041070441 | 1 MVIS |
| 400041070011 | 400041070481 | 1 MVIS |
| 400041070011 | 400041070511 | 1 MVIS |
| 400041070011 | 400041070621 | 8 PMED |
| 400231020011 | 400231020191 | 8 PMED |
| 400231020011 | 400231020201 | 8 PMED |
| 400231020011 | 400231020211 | 8 PMED |
| 400231020011 | 400231020261 | 8 PMED |
| 400231020011 | 400231020271 | 8 PMED |
| 400231020011 | 400231020291 | 8 PMED |
| 400231020011 | 400231020301 | 8 PMED |
| 400341010051 | 400341011121 | 8 PMED |
| 400341010051 | 400341011331 | 8 PMED |
| 400341020041 | 400341020251 | 8 PMED |
| 400341020041 | 400341020871 | 8 PMED |
| 400361010061 | 400361010391 | 8 PMED |
| 400361010061 | 400361010491 | 1 MVIS |
| 400361010061 | 400361010501 | 1 MVIS |
| 400361010061 | 400361010511 | 1 MVIS |
| 400361010061 | 400361010521 | 1 MVIS |
| 400361010061 | 400361010631 | 8 PMED |
| 400531010191 | 400531010471 | 1 MVIS |
| 400531010191 | 400531010511 | 1 MVIS |
| 400531010191 | 400531010521 | 1 MVIS |
| 400531010191 | 400531010691 | 8 PMED |
| 400621010051 | 400621010861 | 1 MVIS |
| 400621010051 | 400621011061 | 1 MVIS |
| 400621010051 | 400621011141 | 8 PMED |
| 400621020041 | 400621021281 | 1 MVIS |
| 400621020041 | 400621021381 | 8 PMED |
| 400621020041 | 400621021391 | 8 PMED |
| 400621020041 | 400621021401 | 8 PMED |
| 400621020041 | 400621021461 | 1 MVIS |
| 400621020041 | 400621021521 | 8 PMED |
| 400621020041 | 400621021531 | 8 PMED |
| 400631010011 | 400631010211 | 1 MVIS |
| 400791010021 | 400791010041 | 1 MVIS |
| 400791010021 | 400791010061 | 8 PMED |
| 400791010021 | 400791010071 | 8 PMED |
| 400841030011 | 400841030051 | 4 STAZ |
| 400841030011 | 400841030061 | 1 MVIS |
| 400841030011 | 400841030091 | 8 PMED |
| 400841030011 | 400841030131 | 3 EROM |
| 400841030011 | 400841030141 | 1 MVIS |
| 400841030011 | 400841030181 | 1 MVIS |
| 400841030011 | 400841030191 | 8 PMED |
| 400841030011 | 400841030201 | 8 PMED |
| 400841030011 | 400841030221 | 8 PMED |
| 400841050011 | 400841050081 | 8 PMED |
| 400841050011 | 400841050181 | 8 PMED |
| 400841070041 | 400841070231 | 8 PMED |
| 400841070041 | 400841070291 | 8 PMED |
| 401391020021 | 401391020371 | 8 PMED |
| 401391020021 | 401391020411 | 1 MVIS |
| 401391020021 | 401391020441 | 8 PMED |
| 401391020021 | 401391020461 | 8 PMED |
| 401391020021 | 401391020471 | 8 PMED |
| 401431020051 | 401431020291 | 8 PMED |
| 401431020051 | 401431020311 | 8 PMED |
| 401861040011 | 401861040201 | 8 PMED |
| 401861040011 | 401861040221 | 8 PMED |
| 401861070011 | 401861070151 | 8 PMED |
| 401861070011 | 401861070181 | 8 PMED |
| 402041010061 | 402041010711 | 8 PMED |
| 402041010061 | 402041010781 | 1 MVIS |
| 402041010061 | 402041010871 | 8 PMED |
| 402041010061 | 402041010931 | 8 PMED |
| 402141020021 | 402141020181 | 1 MVIS |
| 402141020021 | 402141020191 | 1 MVIS |

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Sample SAS Job for Example C

sample print of work.asclnks - sorted by evntidx

| **Obs** | **CONDIDX** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- | --- |
| 1 | 400041040011 | 400041040841 | 8 PMED |
| 2 | 400041070011 | 400041070371 | 1 MVIS |
| 3 | 400041070011 | 400041070391 | 1 MVIS |
| 4 | 400041070011 | 400041070411 | 1 MVIS |
| 5 | 400041070011 | 400041070421 | 1 MVIS |
| 6 | 400041070011 | 400041070431 | 1 MVIS |
| 7 | 400041070011 | 400041070441 | 1 MVIS |
| 8 | 400041070011 | 400041070481 | 1 MVIS |
| 9 | 400041070011 | 400041070511 | 1 MVIS |
| 10 | 400041070011 | 400041070621 | 8 PMED |
| 11 | 400231020011 | 400231020191 | 8 PMED |
| 12 | 400231020011 | 400231020201 | 8 PMED |
| 13 | 400231020011 | 400231020211 | 8 PMED |
| 14 | 400231020011 | 400231020261 | 8 PMED |
| 15 | 400231020011 | 400231020271 | 8 PMED |
| 16 | 400231020011 | 400231020291 | 8 PMED |
| 17 | 400231020011 | 400231020301 | 8 PMED |
| 18 | 400341010051 | 400341011121 | 8 PMED |
| 19 | 400341010051 | 400341011331 | 8 PMED |
| 20 | 400341020041 | 400341020251 | 8 PMED |
| 21 | 400341020041 | 400341020871 | 8 PMED |
| 22 | 400361010061 | 400361010391 | 8 PMED |
| 23 | 400361010061 | 400361010491 | 1 MVIS |
| 24 | 400361010061 | 400361010501 | 1 MVIS |
| 25 | 400361010061 | 400361010511 | 1 MVIS |
| 26 | 400361010061 | 400361010521 | 1 MVIS |
| 27 | 400361010061 | 400361010631 | 8 PMED |
| 28 | 400531010191 | 400531010471 | 1 MVIS |
| 29 | 400531010191 | 400531010511 | 1 MVIS |
| 30 | 400531010191 | 400531010521 | 1 MVIS |
| 31 | 400531010191 | 400531010691 | 8 PMED |
| 32 | 400621010051 | 400621010861 | 1 MVIS |
| 33 | 400621010051 | 400621011061 | 1 MVIS |
| 34 | 400621010051 | 400621011141 | 8 PMED |
| 35 | 400621020041 | 400621021281 | 1 MVIS |
| 36 | 400621020041 | 400621021381 | 8 PMED |
| 37 | 400621020041 | 400621021391 | 8 PMED |
| 38 | 400621020041 | 400621021401 | 8 PMED |
| 39 | 400621020041 | 400621021461 | 1 MVIS |
| 40 | 400621020041 | 400621021521 | 8 PMED |
| 41 | 400621020041 | 400621021531 | 8 PMED |
| 42 | 400631010011 | 400631010211 | 1 MVIS |
| 43 | 400791010021 | 400791010041 | 1 MVIS |
| 44 | 400791010021 | 400791010061 | 8 PMED |
| 45 | 400791010021 | 400791010071 | 8 PMED |
| 46 | 400841030011 | 400841030051 | 4 STAZ |
| 47 | 400841030011 | 400841030061 | 1 MVIS |
| 48 | 400841030011 | 400841030091 | 8 PMED |
| 49 | 400841030011 | 400841030131 | 3 EROM |
| 50 | 400841030011 | 400841030141 | 1 MVIS |

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Sample SAS Job for Example C

sample print of unique evntidxs from work.asclnks

| **Obs** | **EVNTIDX** | **EVENTYPE** |
| --- | --- | --- |
| 1 | 400041040841 | 8 PMED |
| 2 | 400041070371 | 1 MVIS |
| 3 | 400041070391 | 1 MVIS |
| 4 | 400041070411 | 1 MVIS |
| 5 | 400041070421 | 1 MVIS |
| 6 | 400041070431 | 1 MVIS |
| 7 | 400041070441 | 1 MVIS |
| 8 | 400041070481 | 1 MVIS |
| 9 | 400041070511 | 1 MVIS |
| 10 | 400041070621 | 8 PMED |
| 11 | 400231020191 | 8 PMED |
| 12 | 400231020201 | 8 PMED |
| 13 | 400231020211 | 8 PMED |
| 14 | 400231020261 | 8 PMED |
| 15 | 400231020271 | 8 PMED |
| 16 | 400231020291 | 8 PMED |
| 17 | 400231020301 | 8 PMED |
| 18 | 400341011121 | 8 PMED |
| 19 | 400341011331 | 8 PMED |
| 20 | 400341020251 | 8 PMED |
| 21 | 400341020871 | 8 PMED |
| 22 | 400361010391 | 8 PMED |
| 23 | 400361010491 | 1 MVIS |
| 24 | 400361010501 | 1 MVIS |
| 25 | 400361010511 | 1 MVIS |
| 26 | 400361010521 | 1 MVIS |
| 27 | 400361010631 | 8 PMED |
| 28 | 400531010471 | 1 MVIS |
| 29 | 400531010511 | 1 MVIS |
| 30 | 400531010521 | 1 MVIS |
| 31 | 400531010691 | 8 PMED |
| 32 | 400621010861 | 1 MVIS |
| 33 | 400621011061 | 1 MVIS |
| 34 | 400621011141 | 8 PMED |
| 35 | 400621021281 | 1 MVIS |
| 36 | 400621021381 | 8 PMED |
| 37 | 400621021391 | 8 PMED |
| 38 | 400621021401 | 8 PMED |
| 39 | 400621021461 | 1 MVIS |
| 40 | 400621021521 | 8 PMED |
| 41 | 400621021531 | 8 PMED |
| 42 | 400631010211 | 1 MVIS |
| 43 | 400791010041 | 1 MVIS |
| 44 | 400791010061 | 8 PMED |
| 45 | 400791010071 | 8 PMED |
| 46 | 400841030051 | 4 STAZ |
| 47 | 400841030061 | 1 MVIS |
| 48 | 400841030091 | 8 PMED |
| 49 | 400841030131 | 3 EROM |
| 50 | 400841030141 | 1 MVIS |

HC-168I

Sample SAS Job for Example C

sample print of work.asmvis

unique evntidxs from work.asclnks that are non-telephone MVIS (HC-168G) events

| **Obs** | **EVNTIDX** | **EVENTYPE** | **SEETLKPV** | **OBXP14X** | **PERWT14F** |
| --- | --- | --- | --- | --- | --- |
| 1 | 400041070371 | 1 MVIS | 1 | 36.89 | 3126.38 |
| 2 | 400041070391 | 1 MVIS | 1 | 55.70 | 3126.38 |
| 3 | 400041070411 | 1 MVIS | 1 | 50.63 | 3126.38 |
| 4 | 400041070421 | 1 MVIS | 1 | 72.27 | 3126.38 |
| 5 | 400041070431 | 1 MVIS | 1 | 83.03 | 3126.38 |
| 6 | 400041070441 | 1 MVIS | 1 | 8.98 | 3126.38 |
| 7 | 400041070481 | 1 MVIS | 1 | 8.98 | 3126.38 |
| 8 | 400041070511 | 1 MVIS | 1 | 8.98 | 3126.38 |
| 9 | 400361010491 | 1 MVIS | 1 | 168.04 | 3169.95 |
| 10 | 400361010501 | 1 MVIS | 1 | 20.33 | 3169.95 |
| 11 | 400361010511 | 1 MVIS | 1 | 168.04 | 3169.95 |
| 12 | 400361010521 | 1 MVIS | 1 | 168.04 | 3169.95 |
| 13 | 400531010471 | 1 MVIS | 1 | 71.71 | 4286.10 |
| 14 | 400531010511 | 1 MVIS | 1 | 69.39 | 4286.10 |
| 15 | 400531010521 | 1 MVIS | 1 | 69.39 | 4286.10 |
| 16 | 400621010861 | 1 MVIS | 1 | 105.30 | 13668.45 |
| 17 | 400621011061 | 1 MVIS | 1 | 540.27 | 13668.45 |
| 18 | 400621021281 | 1 MVIS | 1 | 588.71 | 9648.40 |
| 19 | 400621021461 | 1 MVIS | 1 | 278.51 | 9648.40 |
| 20 | 400631010211 | 1 MVIS | 1 | 211.32 | 28093.68 |
| 21 | 400791010041 | 1 MVIS | 1 | 109.00 | 32806.77 |
| 22 | 400841030061 | 1 MVIS | 1 | 60.96 | 1099.31 |
| 23 | 400841030141 | 1 MVIS | 1 | 35.52 | 1099.31 |
| 24 | 400841030181 | 1 MVIS | 1 | 60.96 | 1099.31 |
| 25 | 401391020411 | 1 MVIS | 1 | 16.21 | 9703.10 |
| 26 | 402041010781 | 1 MVIS | 1 | 60.00 | 13311.35 |
| 27 | 402141020181 | 1 MVIS | 1 | 95.02 | 4935.86 |
| 28 | 402141020191 | 1 MVIS | 1 | 36.73 | 4935.86 |
| 29 | 402371040151 | 1 MVIS | 1 | 46.93 | 3417.38 |
| 30 | 402901020041 | 1 MVIS | 1 | 109.00 | 15302.91 |
| 31 | 404011050831 | 1 MVIS | 1 | 65.94 | 9109.17 |
| 32 | 404011050871 | 1 MVIS | 1 | 65.94 | 9109.17 |
| 33 | 405051010201 | 1 MVIS | 1 | 45.67 | 2631.71 |
| 34 | 405111010291 | 1 MVIS | 1 | 444.00 | 3873.18 |
| 35 | 405111010301 | 1 MVIS | 1 | 444.00 | 3873.18 |
| 36 | 405111010381 | 1 MVIS | 1 | 55.00 | 3873.18 |
| 37 | 405111010481 | 1 MVIS | 1 | 65.00 | 3873.18 |
| 38 | 405621020201 | 1 MVIS | 1 | 27.55 | 6065.32 |
| 39 | 405621020211 | 1 MVIS | 1 | 107.03 | 6065.32 |
| 40 | 406141020591 | 1 MVIS | 1 | 86.38 | 4198.36 |
| 41 | 406141020601 | 1 MVIS | 1 | 99.60 | 4198.36 |
| 42 | 406141020611 | 1 MVIS | 1 | 86.38 | 4198.36 |
| 43 | 406141020621 | 1 MVIS | 1 | 99.60 | 4198.36 |
| 44 | 406141020681 | 1 MVIS | 1 | 213.20 | 4198.36 |
| 45 | 406181020541 | 1 MVIS | 1 | 177.42 | 10419.50 |
| 46 | 406181020551 | 1 MVIS | 1 | 177.42 | 10419.50 |
| 47 | 406181020601 | 1 MVIS | 1 | 256.19 | 10419.50 |
| 48 | 406181020771 | 1 MVIS | 1 | 136.08 | 10419.50 |
| 49 | 407011010251 | 1 MVIS | 1 | 166.61 | 7859.64 |
| 50 | 407011010381 | 1 MVIS | 1 | 166.61 | 7859.64 |

HC-168I

Sample SAS Job for Example C

Total medical visit expenditures (excluding telephone) associated with asthma

Analysis Variable : OBXP14X SUM OF OBSF14X - OBOT14X (IMPUTED)

| **N** | **Sum** |
| --- | --- |
| 1988 | 275599.24 |

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Sample SAS Job for Example C

Total medical visit expenditures (excluding telephone) associated with asthma

Weighted

Analysis Variable : OBXP14X SUM OF OBSF14X - OBOT14X (IMPUTED)

| **N** | **Sum** |
| --- | --- |
| 1988 | 2482495348 |