

**MEPS HC-118I:  
Appendix to MEPS 2008 Event Files  
HC-118A - HC-118H**

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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. MEPS further oversamples additional policy relevant subgroups such as low income households. 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. 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: [www.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, 540 Gaither Road, Rockville, MD 20850 (301-427-1406).

## **C. Technical and Programming Information**

### **1.0 General Information**

This documentation describes the MEPS Public Use Release HC-118I, which is the Appendix to MEPS releases HC-118A through HC-118H. This release contains two data files, both of which are provided in ASCII (with related SAS and SPSS programming statements) 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: [www.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 2008 event-level data files. File 1, the H118IF1 or CLNK file, is used for linking the MEPS condition file with the MEPS event files; File 2, the H118IF2 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:

<b>Identifier</b>	<b>Description</b>
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 (H118IF1) or the CLNK file, contains the variables needed to link each record on the MEPS 2008 condition file, HC-120, with one or more records on the MEPS 2008 event files, HC-118A through HC-118H. 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 2008 Condition file, HC-120. 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 2008 event files, HC-118B through HC-118H. (EVNTIDX is not included on the 2008 Prescription Medicines event file, HC-118A; 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-118G
- 2 = OPAT – outpatient department visit event contained on MEPS release HC-118F
- 3 = EROM – emergency room visit event contained on MEPS release HC-118E
- 4 = STAZ – inpatient hospital stay event contained on MEPS release HC-118D
- 7 = HVIS – home health visit event contained on MEPS release HC-118H
- 8 = PMED – prescribed medicines event contained on MEPS release HC-118A

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 12 or Panel 13.

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

File 2 (H118IF2) or the RXLK file, contains the variables needed to link each record on the MEPS 2008 prescribed medicines file, HC-118A, with one or more records on the MEPS 2008 event files, HC-118B and HC-118D through HC-118G. 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 2008 event files, HC-118B through HC-118G. 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-118A which 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-118A 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-118G
- 2 = OPAT – outpatient department visit event contained on MEPS release HC-118F
- 3 = EROM – emergency room visit event contained on MEPS release HC-118E
- 4 = STAZ – inpatient hospital stay event contained on MEPS release HC-118D
- 5 = DVIS – dental visit event contained on MEPS release HC-118B

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 12 or Panel 13.

## **2.5 2008 Condition-Event Frequency Table**

Table 1 contains the MEPS 2008 Condition-Event Frequency table. This table contains unweighted and weighted counts of records on the MEPS 2008 event files, HC-118A through HC-118H, for each of the condition, procedure, and clinical classification codes contained on the MEPS 2008 Condition file, HC-120. 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-120) and the Appendix to the Event Files (HC-118I) 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 2008 MEPS PUFs, these updates will not be reflected in the 2008 MEPS data.

Note that, for conditions related to certain medical events, the ICD-9-CM codes on the Conditions file are also released in the Prescribed Medicines, Emergency Room Visits, Office-based Medical Provider Visits, Outpatient Department Visits, and Inpatient Hospital Stays Event Files. ICD-9-CM codes are collapsed into broader codes to ensure confidentiality. Because of this collapsing, it is possible for there to be duplicate ICD-9-CM condition or procedure codes linked to a single medical event when different fully-specified codes are collapsed into the same code. For more information on ICD-9-CM codes, see the HC-120 documentation.

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

This section provides information on using each of the two HC-118I files, RXLK and CLNK, to link with the files contained in MEPS releases HC-120 and HC-118A through HC-118H. 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-118IF1) and RXLK (HC-118IF2) Files with the Medical Conditions File (HC-120), the Prescribed Medicines and Office-Based Medical Provider Visits Event Files (HC-118A and HC-118G)**

This example calculates the total expenditures for prescribed medicines associated with office-based medical provider visits for asthma, using these files: the condition file (HC-120), the CLNK file (HC-118IF1), the office-based medical provider visit event file (HC-118G), the RXLK file (HC-118IF2), and the prescribed medicines event file (HC-118A). It includes the following major steps:

1. From HC-120, 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-118G 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-118G 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-118A linked to those visits.
6. Using these record IDs, obtain the linked records from the HC-118A 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-118IF1) with the Medical Conditions File (HC-120) and the Prescribed Medicines Event File (HC-118A)**

This example calculates the total expenditure for prescribed medicines associated with asthma, using the condition file (HC-120), the CLNK file (HC-118IF1) and the prescribed medicines event file (HC-118A). It includes the following major steps:

1. From HC-120 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-118A 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 with the Medical Conditions File (HC-120) and Office-Based Medical Provider Visits Event File (HC-118G)**

This example calculates the total expenditures for office-based medical provider visits associated with asthma, using the condition file (HC-120), the CLNK file (HC-118IF1) and the office-based medical provider visits event file (HC-118G). It includes the following major steps:

1. From HC-120 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-118G 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-118G 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 condition 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 [www.meps.ahrq.gov/data\\_stats/more\\_info\\_download\\_data\\_files.jsp](http://www.meps.ahrq.gov/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. 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 2005-06), 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 inappropriately concluding that a change has taken place.

### **3.8 Longitudinal Analysis**

For Panels 1 through 8, panel-specific files (called Longitudinal Weight Files) containing estimation variables to facilitate longitudinal analysis are available for downloading in the data section of the MEPS Web site. To create longitudinal files for these panels, it is necessary to link data from two subsequent annual files that contain data for the first and second years of the panel, respectively. Starting with Panel 9, it is not necessary to link files for longitudinal analysis because Longitudinal Data Files have been constructed and are available for downloading on the Web.

**Attachment 1:**

**Clinical Classification Code to ICD-9-CM Code Crosswalk**

## Appendix A - Clinical Classification Software-DIAGNOSES (January 1980 through September 2008)

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.

<b>1</b>	<b>Tuberculosis</b>										
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						
<b>2</b>	<b>Septicemia (except in labor)</b>										
0031	0202	0223	0362	0380	0381	03810	03811	03819	0382	0383	03840
03841	03842	03843	03844	03849	0388	0389	0545	7907			

<b>3</b>	<b>Bacterial infection; unspecified site</b>											
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	04081	04082	04089	0410	04100	04101	04102	04103	
04104	04105	04109	0411	04110	04111	04119	0412	0413	0414	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	V0970	
V0971	V0980	V0981	V0990	V0991								
<b>4</b>	<b>Mycoses</b>											
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	
<b>5</b>	<b>HIV infection</b>											
042	0420	0421	0422	0429	0430	0431	0432	0433	0439	0440	0449	
07953	27910	27919	79571	7958	V08							
<b>6</b>	<b>Hepatitis</b>											
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	57140	57141	57149	5731	5732	5733			
<b>7</b>	<b>Viral infection</b>											
0500	0501	0502	0509	0510	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	0600	0601	0609	061	
0650	0651	0652	0653	0654	0658	0659	0660	0661	0663	0664	06640	
06641	06642	06649	0668	0669	071	0720	0723	07271	07272	07279	0728	
0729	0737	0738	0739	0740	0741	0743	0748	075	0780	0781	07810	
07811	07819	0782	0783	0784	0785	0786	0787	07881	07882	07888	07889	
0790	0791	0792	0793	0794	07950	07951	07952	07959	0796	0798	07981	
07982	07988	07989	0799	07998	07999	7908						
<b>8</b>	<b>Other infections; including parasitic</b>											
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	1364	1365	
1368	1369	1398	V120	V1200	V1203	V1209						



<b>9</b>	<b>Sexually transmitted infections (not HIV or hepatitis)</b>											
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								
<b>10</b>	<b>Immunizations and screening for infectious disease</b>											
7955	7956	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	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	V730	V731	V732	
V733	V734	V735	V736	V738	V7388	V7389	V739	V7398	V7399	V740	V741	
V742	V743	V744	V745	V746	V748	V749	V750	V751	V752	V753	V754	
V755	V756	V757	V758	V759								
<b>11</b>	<b>Cancer of head and neck</b>											
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												
<b>12</b>	<b>Cancer of esophagus</b>											
1500	1501	1502	1503	1504	1505	1508	1509	2301	V1003			
<b>13</b>	<b>Cancer of stomach</b>											
1510	1511	1512	1513	1514	1515	1516	1518	1519	2302	V1004		
<b>14</b>	<b>Cancer of colon</b>											
1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1590	2303	
V1005												
<b>15</b>	<b>Cancer of rectum and anus</b>											
1540	1541	1542	1543	1548	2304	2305	2306	V1006				
<b>16</b>	<b>Cancer of liver and intrahepatic bile duct</b>											
1550	1551	1552	2308	V1007								
<b>17</b>	<b>Cancer of pancreas</b>											
1570	1571	1572	1573	1574	1578	1579						

<b>18</b>	<b>Cancer of other GI organs; peritoneum</b>											
	1520	1521	1522	1523	1528	1529	1560	1561	1562	1568	1569	1580
	1588	1589	1591	1598	1599	2307	2309	V1000	V1009			
<b>19</b>	<b>Cancer of bronchus; lung</b>											
	1622	1623	1624	1625	1628	1629	2312	V1011				
<b>20</b>	<b>Cancer; other respiratory and intrathoracic</b>											
	1620	1630	1631	1638	1639	1650	1658	1659	2311	2318	2319	V1012
	V1020	V1022										
<b>21</b>	<b>Cancer of bone and connective tissue</b>											
	1700	1701	1702	1703	1704	1705	1706	1707	1708	1709	1710	1712
	1713	1714	1715	1716	1717	1718	1719					
<b>22</b>	<b>Melanomas of skin</b>											
	1720	1721	1722	1723	1724	1725	1726	1727	1728	1729	V1082	
<b>23</b>	<b>Other non-epithelial cancer of skin</b>											
	1730	1731	1732	1733	1734	1735	1736	1737	1738	1739	2320	2321
	2322	2323	2324	2325	2326	2327	2328	2329	V1083			
<b>24</b>	<b>Cancer of breast</b>											
	1740	1741	1742	1743	1744	1745	1746	1748	1749	1750	1759	2330
	V103											
<b>25</b>	<b>Cancer of uterus</b>											
	179	1820	1821	1828	2332	V1042						
<b>26</b>	<b>Cancer of cervix</b>											
	1800	1801	1808	1809	2331	7950	V1041					
<b>27</b>	<b>Cancer of ovary</b>											
	1830	V1043										
<b>28</b>	<b>Cancer of other female genital organs</b>											
	181	1832	1833	1834	1835	1838	1839	1840	1841	1842	1843	1844
	1848	1849	2333	V1040	V1044							
<b>29</b>	<b>Cancer of prostate</b>											
	185	2334	V1046									
<b>30</b>	<b>Cancer of testis</b>											
	1860	1869	V1047									
<b>31</b>	<b>Cancer of other male genital organs</b>											
	1871	1872	1873	1874	1875	1876	1877	1878	1879	2335	2336	V1045
	V1048	V1049										
<b>32</b>	<b>Cancer of bladder</b>											
	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	2337	V1051

<b>33</b>	<b>Cancer of kidney and renal pelvis</b>											
	1890	1891	V1052									
<b>34</b>	<b>Cancer of other urinary organs</b>											
	1892	1893	1894	1898	1899	2339	V1050	V1059				
<b>35</b>	<b>Cancer of brain and nervous system</b>											
	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921
	1922	1923	1928	1929	V1085	V1086						
<b>36</b>	<b>Cancer of thyroid</b>											
	193	V1087										
<b>37</b>	<b>Hodgkin`s disease</b>											
	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											
<b>38</b>	<b>Non-Hodgkin`s lymphoma</b>											
	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	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	20280	20281	20282	20283	20284	20285	20286	20287	20288
	20290	20291	20292	20293	20294	20295	20296	20297	20298	V1071	V1079	
<b>39</b>	<b>Leukemias</b>											
	20240	20241	20242	20243	20244	20245	20246	20247	20248	2031	20310	20311
	2040	20400	20401	2041	20410	20411	2042	20420	20421	2048	20480	20481
	2049	20490	20491	2050	20500	20501	2051	20510	20511	2052	20520	20521
	2053	20530	20531	2058	20580	20581	2059	20590	20591	2060	20600	20601
	2061	20610	20611	2062	20620	20621	2068	20680	20681	2069	20690	20691
	2070	20700	20701	2071	20710	20711	2072	20720	20721	2078	20780	20781
	2080	20800	20801	2081	20810	20811	2082	20820	20821	2088	20880	20881
	2089	20890	20891	V1060	V1061	V1062	V1063	V1069				
<b>40</b>	<b>Multiple myeloma</b>											
	2030	20300	20301	2038	20380	20381						
<b>41</b>	<b>Cancer; other and unspecified primary</b>											
	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	2340	2348	2349	7951	V1029	V1081	V1084
	V1088	V1089	V109	V711								

<b>42</b>	<b>Secondary malignancies</b>											
	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								
<b>43</b>	<b>Malignant neoplasm without specification of site</b>											
	1990	1991										
<b>44</b>	<b>Neoplasms of unspecified nature or uncertain behavior</b>											
	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	2379	2380	2381	2382
	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394
	2395	2396	2397	2398	2399							
<b>45</b>	<b>Maintenance chemotherapy; radiotherapy</b>											
	V580	V581	V5811	V5812	V661	V662	V671	V672				
<b>46</b>	<b>Benign neoplasm of uterus</b>											
	2180	2181	2182	2189	2190	2191	2198	2199				
<b>47</b>	<b>Other and unspecified benign neoplasm</b>											
	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								
<b>48</b>	<b>Thyroid disorders</b>											
	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								
<b>49</b>	<b>Diabetes mellitus without complication</b>											
	25000	25001	7902	79021	79022	79029	7915	7916	V4585	V5391	V6546	
<b>50</b>	<b>Diabetes mellitus with complications</b>											
	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										
<b>51</b>	<b>Other endocrine disorders</b>											
	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	2555	2556	2558	2559	2560	2561	2562	2563

	2564	2568	2569	2570	2571	2572	2578	2579	2580	2581	2588	2589
	2590	2591	2592	2593	2594	2595	2598	2599	7946			
<b>52</b>	<b>Nutritional deficiencies</b>											
	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										
<b>53</b>	<b>Disorders of lipid metabolism</b>											
	2720	2721	2722	2723	2724							
<b>54</b>	<b>Gout and other crystal arthropathies</b>											
	2740	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		
<b>55</b>	<b>Fluid and electrolyte disorders</b>											
	2760	2761	2762	2763	2764	2765	27650	27651	27652	2766	2767	2768
	2769											
<b>56</b>	<b>Cystic fibrosis</b>											
	27700	27701	27702	27703	27709							
<b>57</b>	<b>Immunity disorders</b>											
	27900	27901	27902	27903	27904	27905	27906	27909	27911	27912	27913	2792
	2793	2794	2798	2799								
<b>58</b>	<b>Other nutritional; endocrine; and metabolic disorders</b>											
	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	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
	2781	2782	2783	2784	2788	7831	7832	78321	78322	7833	7834	78340
	78341	78342	78343	7835	7837	7839	7947	7957	79579	V122	V850	V8521
	V8522	V8523	V8524	V8525	V8530	V8531	V8532	V8533	V8534	V8535	V8536	V8537
	V8538	V8539	V854									
<b>59</b>	<b>Deficiency and other anemia</b>											
	2800	2801	2808	2809	2810	2811	2812	2813	2814	2818	2819	2820
	2821	2822	2823	2824	28249	2827	2828	2829	2830	2831	28310	28311
	28319	2832	2839	2840	2848	2849	2850	28521	28522	28529	2858	2859
<b>60</b>	<b>Acute posthemorrhagic anemia</b>											
	2851											
<b>61</b>	<b>Sickle cell anemia</b>											
	28241	28242	2825	28260	28261	28262	28263	28264	28268	28269		

<b>62</b>	<b>Coagulation and hemorrhagic disorders</b>											
	2860	2861	2862	2863	2864	2865	2866	2867	2869	2870	2871	2872
	2873	28730	28731	28732	28733	28739	2874	2875	2878	2879	28981	28982
	7827											
<b>63</b>	<b>Diseases of white blood cells</b>											
	2880	2881	2882	2883	2888	2889						
<b>64</b>	<b>Other hematologic conditions</b>											
	2890	2894	28950	28951	28952	28959	2896	2897	2898	28989	2899	7900
	79001	79009	V123	V582								
<b>76</b>	<b>Meningitis (except that caused by tuberculosis or sexually transmitted disease)</b>											
	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											
<b>77</b>	<b>Encephalitis (except that caused by tuberculosis or sexually transmitted disease)</b>											
	0361	0462	0498	0499	0520	0543	0550	05601	0620	0621	0622	0623
	0624	0625	0628	0629	0630	0631	0632	0638	0639	064	0662	0722
	1300	1390	3230	3231	3232	3234	3235	3236	3237	3238	3239	
<b>78</b>	<b>Other CNS infection and poliomyelitis</b>											
	04500	04501	04502	04503	04510	04511	04512	04513	04520	04521	04522	04523
	04590	04591	04592	04593	0460	0461	0463	0468	0469	048	138	3240
	3241	3249	326	V1202								
<b>79</b>	<b>Parkinson`s disease</b>											
	3320											
<b>80</b>	<b>Multiple sclerosis</b>											
	340											
<b>81</b>	<b>Other hereditary and degenerative nervous system conditions</b>											
	3300	3301	3302	3303	3308	3309	3313	3314	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	3371	3373	3379	
<b>82</b>	<b>Paralysis</b>											
	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		
<b>83</b>	<b>Epilepsy; convulsions</b>											
	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							

<b>84</b>	<b>Headache; including migraine</b>											
	3460	34600	34601	3461	34610	34611	3462	34620	34621	3468	34680	34681
	3469	34690	34691	7840								
<b>85</b>	<b>Coma; stupor; and brain damage</b>											
	3481	7800	78001	78003	78009							
<b>86</b>	<b>Cataract</b>											
	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										
<b>87</b>	<b>Retinal detachments; defects; vascular occlusion; and retinopathy</b>											
	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	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		
<b>88</b>	<b>Glaucoma</b>											
	36500	36501	36502	36503	36504	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	36581	36582	36583	36589	3659
<b>89</b>	<b>Blindness and vision defects</b>											
	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										
<b>90</b>	<b>Inflammation; infection of eye (except that caused by tuberculosis or sexually transmitted disease)</b>											
	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	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								

<b>91</b>	<b>Other eye disorders</b>											
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	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	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	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								

<b>92</b>	<b>Otitis media and related conditions</b>											
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										

<b>93</b>	<b>Conditions associated with dizziness or vertigo</b>											
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					

<b>94</b>	<b>Other ear and sense organ disorders</b>											
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	3885	38860	38861	38869	38870	38871
38872	3888	3889	38900	38901	38902	38903	38904	38908	38910	38911	38912
38914	38918	3892	3897	3898	3899	V412	V413	V532	V721		

**95 Other nervous system disorders**

325	3321	33720	33721	33722	33729	3410	3411	3418	3419	34461	347
34700	34701	34710	34711	3480	3482	3483	34830	34831	34839	3484	3485
3488	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	3575	3576	3577	3578	35781	35782	35789	3579
3580	35800	35801	3581	3582	3588	3589	3590	3591	3592	3593	3594
3595	3596	3598	35981	35989	3599	7810	7811	7812	7813	7817	7818
7820	7843	7845	78460	78461	78469	7920	7930	79400	79401	79402	79409
79410	79411	79412	79413	79414	79415	79416	79417	79419	7961	V124	V1240
V1241	V1242	V1249	V415	V452	V484	V485	V493	V530	V5301	V5302	V5309

**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								

**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	4251	4252
4253	4254	4255	4257	4258	4259	4290					

**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										

**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								

**101 Coronary atherosclerosis and other heart disease**

4110	4111	4118	41181	41189	412	4130	4131	4139	4140	41400	41401
41403	41406	4148	4149	V4581	V4582						

**102 Nonspecific chest pain**

78650	78651	78659									
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<b>103</b>	<b>Pulmonary heart disease</b>											
	4150	4151	41519	4160	4161	4168	4169	4170	4171	4178	4179	
<b>104</b>	<b>Other and ill-defined heart disease</b>											
	41410	41411	41412	41419	4291	4292	4293	4295	4296	42971	42979	42981
	42982	42989	4299									
<b>105</b>	<b>Conduction disorders</b>											
	4260	42610	42611	42612	42613	4262	4263	4264	42650	42651	42652	42653
	42654	4266	4267	42681	42689	4269	V450	V4500	V4501	V4502	V4509	V533
	V5331	V5332	V5339									
<b>106</b>	<b>Cardiac dysrhythmias</b>											
	4270	4271	4272	42731	42732	42760	42761	42769	42781	42789	4279	7850
	7851											
<b>107</b>	<b>Cardiac arrest and ventricular fibrillation</b>											
	42741	42742	4275									
<b>108</b>	<b>Congestive heart failure; nonhypertensive</b>											
	39891	4280	4281	42820	42821	42822	42823	42830	42831	42832	42833	42840
	42841	42842	42843	4289								
<b>109</b>	<b>Acute cerebrovascular disease</b>											
	430	431	4320	4321	4329	43301	43311	43321	43331	43381	43391	4340
	43400	43401	4341	43410	43411	4349	43490	43491	436			
<b>110</b>	<b>Occlusion or stenosis of precerebral arteries</b>											
	4330	43300	4331	43310	4332	43320	4333	43330	4338	43380	4339	43390
<b>111</b>	<b>Other and ill-defined cerebrovascular disease</b>											
	4370	4371	4373	4374	4375	4376	4377	4378	4379			
<b>112</b>	<b>Transient cerebral ischemia</b>											
	4350	4351	4352	4353	4358	4359						
<b>113</b>	<b>Late effects of cerebrovascular disease</b>											
	438	4380	43810	43811	43812	43819	43820	43821	43822	43830	43831	43832
	43840	43841	43842	43850	43851	43852	43853	4386	4387	43881	43882	43883
	43884	43885	43889	4389								
<b>114</b>	<b>Peripheral and visceral atherosclerosis</b>											
	4400	4401	4402	44020	44021	44022	44023	44029	4408	4409	4439	5570
	5571	5579										
<b>115</b>	<b>Aortic; peripheral; and visceral artery aneurysms</b>											
	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								
<b>116</b>	<b>Aortic and peripheral arterial embolism or thrombosis</b>											
	4440	4441	44421	44422	44481	44489	4449	44501	44502	44581	44589	

<b>117</b>	<b>Other circulatory disease</b>											
	42682	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	V1259	V151	V421	V432	V4321
	V4322	V434	V717									
<b>118</b>	<b>Phlebitis; thrombophlebitis and thromboembolism</b>											
	4510	45111	45119	4512	45181	45182	45183	45184	45189	4519	452	4530
	4531	4532	4533	45340	45341	45342	4538	4539	V1251	V1252		
<b>119</b>	<b>Varicose veins of lower extremity</b>											
	4540	4541	4542	4548	4549							
<b>120</b>	<b>Hemorrhoids</b>											
	4550	4551	4552	4553	4554	4555	4556	4557	4558	4559		
<b>121</b>	<b>Other diseases of veins and lymphatics</b>											
	4563	4564	4565	4566	4568	4570	4571	4572	4578	4579	4591	45910
	45911	45912	45913	45919	4592	45930	45931	45932	45933	45939	45981	
<b>122</b>	<b>Pneumonia (except that caused by tuberculosis or sexually transmitted disease)</b>											
	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											
<b>123</b>	<b>Influenza</b>											
	4870	4871	4878									
<b>124</b>	<b>Acute and chronic tonsillitis</b>											
	463	4740	47400	47401	47402	47410	47411	47412	4742	4748	4749	475
<b>125</b>	<b>Acute bronchitis</b>											
	4660	4661	46611	46619								
<b>126</b>	<b>Other upper respiratory infections</b>											
	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		
<b>127</b>	<b>Chronic obstructive pulmonary disease and bronchiectasis</b>											
	490	4910	4911	4912	49120	49121	49122	4918	4919	4920	4928	494
	4940	4941	496									
<b>128</b>	<b>Asthma</b>											
	49300	49301	49302	49310	49311	49312	49320	49321	49322	49381	49382	49390
	49391	49392										
<b>129</b>	<b>Aspiration pneumonitis; food/vomitus</b>											
	5070											

<b>130</b>	<b>Pleurisy; pneumothorax; pulmonary collapse</b>											
	5100	5109	5110	5111	5118	5119	5120	5128	5180	5181	5182	
<b>131</b>	<b>Respiratory failure; insufficiency; arrest (adult)</b>											
	5173	5185	51881	51882	51883	51884	7991	V461	V4611	V4612	V4613	V4614
	V462											
<b>132</b>	<b>Lung disease due to external agents</b>											
	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	5088	5089								
<b>133</b>	<b>Other lower respiratory disease</b>											
	5131	514	515	5160	5161	5162	5163	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	7931
	7942	V126	V1260	V1261	V1269	V426						
<b>134</b>	<b>Other upper respiratory disease</b>											
	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	78449	7847	7848	7849
	7861	V414	V440	V550								
<b>135</b>	<b>Intestinal infection</b>											
	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				
<b>136</b>	<b>Disorders of teeth and jaw</b>											
	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	5258	5259	5260	5261	5262	5263	5264	5265	52681	52689
	5269	V523	V534	V585	V722							

<b>137</b>	<b>Diseases of mouth; excluding dental</b>											
	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			
<b>138</b>	<b>Esophageal disorders</b>											
	4561	45621	5300	5301	53010	53011	53012	53019	5302	53020	53021	5303
	5304	5305	5306	5308	53081	53083	53084	53085	53089	5309		
<b>139</b>	<b>Gastroduodenal ulcer (except hemorrhage)</b>											
	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							
<b>140</b>	<b>Gastritis and duodenitis</b>											
	5350	53500	53501	5351	53510	53511	5352	53520	53521	5353	53530	53531
	5354	53540	53541	5355	53550	53551	5356	53560	53561			
<b>141</b>	<b>Other disorders of stomach and duodenum</b>											
	5360	5361	5362	5363	5368	5369	5370	5371	5372	5373	5374	5375
	5376	53781	53782	53783	53784	53789	5379					
<b>142</b>	<b>Appendicitis and other appendiceal conditions</b>											
	5400	5401	5409	541	542	5430	5439					
<b>143</b>	<b>Abdominal hernia</b>											
	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			
<b>144</b>	<b>Regional enteritis and ulcerative colitis</b>											
	5550	5551	5552	5559	556	5560	5561	5562	5563	5564	5565	5566
	5568	5569										
<b>145</b>	<b>Intestinal obstruction without hernia</b>											
	5600	5601	5602	56030	56031	56039	56081	56089	5609			
<b>146</b>	<b>Diverticulosis and diverticulitis</b>											
	56200	56201	56202	56203	56210	56211	56212	56213				
<b>147</b>	<b>Anal and rectal conditions</b>											
	5646	5650	5651	566	5690	5691	5692	56941	56942	56949		
<b>148</b>	<b>Peritonitis and intestinal abscess</b>											
	03283	5670	5671	5672	56721	56722	56723	56729	56738	56739	5678	56781
	56782	56789	5679	5695								
<b>149</b>	<b>Biliary tract disease</b>											
	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							

<b>150</b>	<b>Liver disease; alcohol-related</b>											
	5710	5711	5712	5713								
<b>151</b>	<b>Other liver diseases</b>											
	570	5715	5716	5718	5719	5720	5721	5722	5723	5724	5728	5730
	5734	5738	5739	7824	7891	7895	7904	7905	7948	V427		
<b>152</b>	<b>Pancreatic disorders (not diabetes)</b>											
	5770	5771	5772	5778	5779	5794						
<b>153</b>	<b>Gastrointestinal hemorrhage</b>											
	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								
<b>154</b>	<b>Noninfectious gastroenteritis</b>											
	5589											
<b>155</b>	<b>Other gastrointestinal disorders</b>											
	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	56989	5699	5790	5791	5792	5798	5799	7871	7872	7873	7874
	7875	7876	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	V551	V552	V553	V554		
<b>156</b>	<b>Nephritis; nephrosis; renal sclerosis</b>											
	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							
<b>157</b>	<b>Acute and unspecified renal failure</b>											
	5845	5846	5847	5848	5849	586						
<b>158</b>	<b>Chronic renal failure</b>											
	585	5853	5854	5855	5856	5859	7925	V420	V451	V560	V561	V562
	V5631	V5632	V568									
<b>159</b>	<b>Urinary tract infections</b>											
	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										
<b>160</b>	<b>Calculus of urinary tract</b>											
	5920	5921	5929	5940	5941	5942	5948	5949	7880	V1301		
<b>161</b>	<b>Other diseases of kidney and ureters</b>											
	5851	5852	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								

<b>162</b>	<b>Other diseases of bladder and urethra</b>											
	5960	5961	5962	5963	5964	5965	59651	59652	59653	59654	59655	59659
	5966	5967	5968	5969	5981	5982	5988	5989	5991	5992	5993	5994
	5995	59981	59982	59983	59984							
<b>163</b>	<b>Genitourinary symptoms and ill-defined conditions</b>											
	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									
<b>164</b>	<b>Hyperplasia of prostate</b>											
	600	6000	60000	60001	6001	60010	60011	6002	60020	60021	6003	6009
	60090	60091										
<b>165</b>	<b>Inflammatory conditions of male genital organs</b>											
	6010	6011	6012	6013	6014	6018	6019	6031	6040	60490	60491	60499
	6071	6072	6080	6084								
<b>166</b>	<b>Other male genital disorders</b>											
	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
<b>167</b>	<b>Nonmalignant breast conditions</b>											
	6100	6101	6102	6103	6104	6108	6109	6110	6111	6112	6113	6114
	6115	6116	61171	61172	61179	6118	6119	7938	79380	79381	79389	
<b>168</b>	<b>Inflammatory diseases of female pelvic organs</b>											
	6140	6141	6142	6143	6144	6145	6146	6147	6148	6149	6150	6151
	6159	6160	61610	61611	6162	6163	6164	61650	61651	6168	6169	
<b>169</b>	<b>Endometriosis</b>											
	6170	6171	6172	6173	6174	6175	6176	6178	6179			
<b>170</b>	<b>Prolapse of female genital organs</b>											
	6180	61800	61801	61802	61803	61804	61805	61809	6181	6182	6183	6184
	6185	6186	6187	6188	61881	61882	61883	61889	6189			
<b>171</b>	<b>Menstrual disorders</b>											
	6253	6260	6261	6262	6263	6264	6265	6266	6268	6269		
<b>172</b>	<b>Ovarian cyst</b>											
	6200	6201	6202									
<b>173</b>	<b>Menopausal disorders</b>											
	25631	25639	6270	6271	6272	6273	6274	6278	6279	V074		
<b>174</b>	<b>Female infertility</b>											
	6280	6281	6282	6283	6284	6288	6289					

<b>175</b>	<b>Other female genital disorders</b>											
	6190	6191	6192	6198	6199	6203	6204	6205	6206	6207	6208	6209
	6210	6211	6212	6213	62130	62131	62132	62133	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	6241	6242	6243	6244	6245	6246	6248	6249	6250	6251
	6252	6254	6255	6256	6258	6259	6267	6290	6291	62920	62921	62922
	62923	6298	6299	79500	79501	79502	79503	79504	79505	79508	79509	V132
	V1321	V1329	V557	V723								
<b>176</b>	<b>Contraceptive and procreative management</b>											
	V157	V2501	V2502	V2503	V2509	V251	V252	V253	V2540	V2541	V2542	V2543
	V2549	V255	V258	V259	V260	V261	V262	V2621	V2622	V2629	V263	V2631
	V2632	V2633	V264	V2651	V2652	V268	V269	V455	V4551	V4552	V4559	
<b>177</b>	<b>Spontaneous abortion</b>											
	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						
<b>178</b>	<b>Induced abortion</b>											
	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								
<b>179</b>	<b>Postabortion complications</b>											
	6390	6391	6392	6393	6394	6395	6396	6398	6399			
<b>180</b>	<b>Ectopic pregnancy</b>											
	6330	63300	63301	6331	63310	63311	6332	63320	63321	6338	63380	63381
	6339	63390	63391									
<b>181</b>	<b>Other complications of pregnancy</b>											
	630	631	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											



<b>182</b>	<b>Hemorrhage during pregnancy; abruptio placenta; placenta previa</b>											
	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									
<b>183</b>	<b>Hypertension complicating pregnancy; childbirth and the puerperium</b>											
	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			
<b>184</b>	<b>Early or threatened labor</b>											
	64400	64403	64410	64413	64420	64421						
<b>185</b>	<b>Prolonged pregnancy</b>											
	64500	64501	64503	64510	64511	64513	64520	64521	64523			
<b>186</b>	<b>Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium</b>											
	64800	64801	64802	64803	64804	64880	64881	64882	64883	64884		
<b>187</b>	<b>Malposition; malpresentation</b>											
	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			
<b>188</b>	<b>Fetopelvic disproportion; obstruction</b>											
	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			
<b>189</b>	<b>Previous C-section</b>											
	65420	65421	65423									
<b>190</b>	<b>Fetal distress and abnormal forces of labor</b>											
	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			
<b>191</b>	<b>Polyhydramnios and other problems of amniotic cavity</b>											
	65700	65701	65703	65800	65801	65803	65810	65811	65813	65820	65821	65823
	65830	65831	65833	65840	65841	65843	65880	65881	65883	65890	65891	65893
	77984	7923										
<b>192</b>	<b>Umbilical cord complication</b>											
	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									

<b>193</b>	<b>OB-related trauma to perineum and vulva</b>											
	66400	66401	66404	66410	66411	66414	66420	66421	66424	66430	66431	66434
	66440	66441	66444	66450	66451	66454	66480	66481	66484	66490	66491	66494
<b>194</b>	<b>Forceps delivery</b>											
	66950	66951										
<b>195</b>	<b>Other complications of birth; puerperium affecting management of mother</b>											
	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	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	V230
	V231	V232	V233	V234	V2341	V2349	V235	V237	V238	V2381	V2382	V2383
	V2384	V2389	V239									
<b>196</b>	<b>Normal pregnancy and/or delivery</b>											
	650	65100	65101	65110	65111	65120	65121	65170	65171	65173	65180	65181
	65190	65191	V220	V221	V222	V240	V241	V242	V270	V271	V272	V273
	V274	V275	V276	V277	V279	V724	V7242					

<b>197</b>	<b>Skin and subcutaneous tissue infections</b>											
	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					
<b>198</b>	<b>Other inflammatory condition of skin</b>											
	690	69010	69011	69012	69018	6908	69276	69277	6940	6941	6942	6943
	6944	6945	69460	69461	6948	6949	6950	6951	6952	6953	6954	69581
	69589	6959	6960	6961	6962	6963	6964	6965	6968	6970	6971	6978
	6979	6980	6981	6982	6983	6984	6988	6989				
<b>199</b>	<b>Chronic ulcer of skin</b>											
	7070	70700	70701	70702	70703	70704	70705	70706	70707	70709	7071	70710
	70711	70712	70713	70714	70715	70719	7078	7079				
<b>200</b>	<b>Other skin disorders</b>											
	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	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		
<b>201</b>	<b>Infective arthritis and osteomyelitis (except that caused by tuberculosis or sexually transmitted disease)</b>											
	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					
<b>202</b>	<b>Rheumatoid arthritis and related disease</b>											
	7140	7141	7142	71430	71431	71432	71433	7144	71481	71489	7149	7200
<b>203</b>	<b>Osteoarthritis</b>											
	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						
<b>204</b>	<b>Other non-traumatic joint disorders</b>											
	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	71860	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							

**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						

**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
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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						

**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					

**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	7819	78191	78192	78194	78199	7937	V135
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	

**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
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									

**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	7473	74740	74741	74742	74749	7475
7476	74760	74761	74762	74763	74764	74769	74781	74782	74783	74789	7479

**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

**215 Genitourinary congenital anomalies**

7520	75210	75211	75219	7522	7523	75240	75241	75242	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										

**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			

**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	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
V1369											

**218 Liveborn**

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			

**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	76520	76521	76522	76523	76524	76525
76526	76527	76528	76529	V2130	V2131	V2132	V2133	V2134	V2135		

**220 Intrauterine hypoxia and birth asphyxia**

7680	7681	7682	7683	7684	7685	7686	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								

**223 Birth trauma**

7670	7671	76711	76719	7672	7673	7674	7675	7676	7677	7678	7679
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**224 Other perinatal conditions**

7600	7601	7602	7603	7604	7605	7606	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	77181	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	7776	7778	7779	7780	7781	7782	7783
7784	7785	7786	7787	7788	7789	7790	7791	7792	7793	7794	7795
7796	7797	7798	77981	77982	77983	77989	7799	78091	78092	V137	V502

<b>225</b>	<b>Joint disorders and dislocations; trauma-related</b>											
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							
<b>226</b>	<b>Fracture of neck of femur (hip)</b>											
82000	82001	82002	82003	82009	82010	82011	82012	82013	82019	82020	82021	
82022	82030	82031	82032	8208	8209	9053	V5413	V5423				
<b>227</b>	<b>Spinal cord injury</b>											
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							
<b>228</b>	<b>Skull and face fractures</b>											
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				
<b>229</b>	<b>Fracture of upper limb</b>											
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	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			

<b>230</b>	<b>Fracture of lower limb</b>											
	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										
<b>231</b>	<b>Other fractures</b>											
	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	80849	80851
	80852	80853	80859	8088	8089	8090	8091	8280	8281	8290	8291	9051
	9055	V540	V5401	V5402	V5409	V5417	V5419	V5427	V5429	V664	V674	
<b>232</b>	<b>Sprains and strains</b>											
	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			
<b>233</b>	<b>Intracranial injury</b>											
	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						

**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						

**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							

**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							

<b>237</b>	<b>Complication of device; implant or graft</b>											
41402	41404	41405	41407	44030	44031	44032	56960	56961	56969	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	99689	99690	
99691	99692	99693	99694	99695	99696	99699						

<b>238</b>	<b>Complications of surgical procedures or medical care</b>											
27783	3490	3491	41511	4294	4582	45821	45829	5121	5190	51900	51901	
51902	51909	53086	53087	53640	53641	53642	53649	5642	5643	5644	5696	
56962	5793	9093	9954	99586	9970	99700	99701	99702	99709	9971	9972	
9973	9974	9975	99760	99761	99762	99769	99771	99772	99779	9979	99791	
99799	9980	9981	99811	99812	99813	9982	9983	99831	99832	9984	9985	
99851	99859	9986	9987	9988	99881	99882	99883	99889	9989	9990	9991	
9992	9993	9994	9995	9996	9997	9998	9999					

<b>239</b>	<b>Superficial injury; contusion</b>											
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										

<b>240</b>	<b>Burns</b>											
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										

**241 Poisoning by psychotropic agents**

9690	9691	9692	9693	9694	9695	9696	9697	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	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	

**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											

**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	9951	9955	99550	99551	99552
99553	99554	99555	99559	99580	99581	99582	99583	99584	99585	99589	99590
99591	99592	99593	99594	V155	V156	V1588	V713	V714	V715	V716	

<b>245</b>	<b>Syncope</b>											
	7802											
<b>246</b>	<b>Fever of unknown origin</b>											
	7806											
<b>247</b>	<b>Lymphadenitis</b>											
	2891	2892	2893	683	7856							
<b>248</b>	<b>Gangrene</b>											
	44024	7854										
<b>249</b>	<b>Shock</b>											
	78550	78551	78552	78559								
<b>250</b>	<b>Nausea and vomiting</b>											
	7870	78701	78702	78703								
<b>251</b>	<b>Abdominal pain</b>											
	7890	78900	78901	78902	78903	78904	78905	78906	78907	78909	78960	78961
	78962	78963	78964	78965	78966	78967	78969					
<b>252</b>	<b>Malaise and fatigue</b>											
	7807	78071	78079									
<b>253</b>	<b>Allergic reactions</b>											
	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	V140	V141	V142	V143	V144	V145	V146	V147	V148	V149
	V150	V1501	V1502	V1503	V1504	V1505	V1506	V1507	V1508	V1509	V727	
<b>254</b>	<b>Rehabilitation care; fitting of prostheses; and adjustment of devices</b>											
	V520	V521	V524	V528	V529	V538	V570	V571	V572	V5721	V5722	V573
	V574	V5781	V5789	V579	V5882							
<b>255</b>	<b>Administrative/social admission</b>											
	V200	V201	V202	V600	V601	V602	V603	V604	V605	V606	V608	V609
	V610	V611	V6110	V6111	V6112	V6120	V6121	V6122	V6129	V613	V6141	V6149
	V616	V617	V618	V619	V620	V621	V622	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				
<b>256</b>	<b>Medical examination/evaluation</b>											
	V290	V291	V292	V293	V298	V299	V700	V703	V704	V705	V706	V707
	V708	V709	V718	V719	V7231	V7232	V725	V726	V728	V7281	V7282	V7283
	V7284	V7285	V7286	V729								

<b>257</b>	<b>Other aftercare</b>											
	V51	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									
<b>258</b>	<b>Other screening for suspected conditions (not mental disorders or infectious disease)</b>											
	V280	V281	V282	V283	V284	V285	V288	V289	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	V801	V802	V803	V810	V811	V812
	V813	V814	V815	V816	V820	V821	V822	V823	V824	V825	V826	V828
	V8281	V8289	V829									
<b>259</b>	<b>Residual codes; unclassified</b>											
	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	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	7929	7932	7939	7949	7954	7963	7964
	7965	7966	7969	7980	7981	7982	7989	7992	7993	7998	79981	79989
	7999	V070	V072	V073	V0731	V0739	V078	V079	V1053	V131	V138	V139
	V152	V153	V1581	V1584	V1585	V1586	V1587	V1589	V159	V160	V161	V162
	V163	V164	V1640	V1641	V1642	V1643	V1649	V165	V1651	V1659	V166	V167
	V168	V169	V170	V171	V172	V173	V174	V175	V176	V177	V178	V1781
	V1789	V180	V181	V182	V183	V184	V185	V186	V1861	V1869	V187	V188
	V189	V190	V191	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	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	V615	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	V851								
<b>650</b>	<b>Adjustment disorder</b>											
	3090	3091	30922	30923	30924	30928	30929	3093	3094	30982	30983	30989
	3099											
<b>651</b>	<b>Anxiety disorder</b>											
	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							

**652 Attention-deficit, conduct, and disruptive behavior disorder**

*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

**653 Delirium, dementia, and amnesic and other cognitive disorders**

2900 29010 29011 29012 29013 29020 29021 2903 29040 29041 29042 29043  
2908 2909 2930 2931 2940 2941 29410 29411 2948 2949 3100 3102  
3108 3109 3310 3311 33111 33119 3312 33182 797

**654 Developmental disorders**

*Communication disorders*

3070 3079 31531 31534 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

**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

**656 Impulse control disorders, NEC**

31230 31231 31232 31233 31234 31235 31239

**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							

**658 Personality disorders**

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

**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									

**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	76071	9800									

**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 V118 V119 V154 V1541 V1542 V1549 V1582 V663  
V701 V702 V7101 V7102 V7109 V790 V792 V793 V798 V799

*Substance-related disorder codes*

3051 30510 30511 30512 30513 3575 4255 5353 5710 5711 5712 5713  
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 V403 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**

NOTE: Copyright (c) 2002-2008 by SAS Institute Inc., Cary, NC, USA.  
 NOTE: SAS (r) Proprietary Software 9.2 (TS2M3)  
 Licensed to WESTAT INC, Site 70006348.  
 NOTE: This session is executing on the XP\_PRO platform.

NOTE: SAS initialization used:  
 real time 0.68 seconds  
 cpu time 0.40 seconds

NOTE: AUTOEXEC processing beginning; file is C:\Program Files\SAS92\SASFoundation\9.2\autoexec.sas.

NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

I:\SASTRACE\TRACE92\

NOTE: DATA statement used (Total process time):  
 real time 0.07 seconds  
 cpu time 0.03 seconds

NOTE: AUTOEXEC processing completed.

1 ods rtf file = 'c:\sampleA.rtf' bodytitle;  
 NOTE: Writing RTF Body file: c:\sampleA.rtf

2  
 3 ods noproctitle;  
 4  
 5 OPTIONS LS=132 PS=59;  
 6  
 7 TITLE1 "HC-118I";  
 8 TITLE2 "Sample SAS Job for Example A";  
 9  
 10 LIBNAME IN "C:\Data";

NOTE: Libref IN was successfully assigned as follows:  
 Engine: V9  
 Physical Name: C:\Data

11  
 12 \*\*\*\*\*  
 13 \* Calculate the expenditures for prescribed medicines associated with medical visits for asthma.  
 14 \*\*\*\*\*;

16 PROC FORMAT;  
 17 VALUE EVENTYPE  
 18 1 = "1 MVIS"  
 19 2 = "2 OPAT"  
 20 3 = "3 EROM"  
 21 4 = "4 STAZ"  
 22 5 = "5 DVIS"  
 23 6 = "6 OMED"

```

24           7 = "7 HVIS"
25           8 = "8 PMED";

```

NOTE: Format EVENTYPE has been output.

```

26
27           RUN;

```

NOTE: PROCEDURE FORMAT used (Total process time):

```

real time      0.09 seconds
cpu time       0.03 seconds

```

```

28

```

```

29           *-----
30           * Get condition records coded as asthma.
31           *-----;
32           DATA ASCONDS;
33             SET IN.H120 (KEEP=CONDIDX CCCODEX);
34             IF CCCODEX="128";
35
36           RUN;

```

NOTE: There were 102169 observations read from the data set IN.H120.

NOTE: The data set WORK.ASCONDS has 2100 observations and 2 variables.

NOTE: DATA statement used (Total process time):

```

real time      0.46 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 2100 observations read from the data set WORK.ASCONDS.

NOTE: SAS sort was used.

NOTE: The data set WORK.ASCONDS has 2100 observations and 2 variables.

NOTE: PROCEDURE SORT used (Total process time):

```

real time      0.00 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 (H120) 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      0.25 seconds
cpu time       0.03 seconds

```

```

47

```

```

48           PROC SORT DATA=IN.H118IF1 OUT=CLNK; BY CONDIDX; RUN;

```

NOTE: There were 294294 observations read from the data set IN.H118IF1.  
NOTE: SAS threaded sort was used.  
NOTE: The data set WORK.CLNK has 294294 observations and 6 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 5.07 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 294294 observations read from the data set WORK.CLNK.  
NOTE: There were 2100 observations read from the data set WORK.ASCONDS.  
NOTE: The data set WORK.ASCLNKS has 6546 observations and 3 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.06 seconds  
cpu time 0.06 seconds

```
56
57     proc print data=asclnks (obs=75);
58         by condidx;
59         id condidx;
60         format eventype eventype.;
61         title3 "sample print of work.asclnks - sorted by condidx";
62         title4 "events linked to asthma condition records";
63     run;
```

NOTE: There were 75 observations read from the data set WORK.ASCLNKS.  
NOTE: The PROCEDURE PRINT printed pages 2-3.  
NOTE: PROCEDURE PRINT used (Total process time):  
real time 0.73 seconds  
cpu time 0.03 seconds

```
64
65     PROC SORT DATA=ASCLNKS; BY EVNTIDX; RUN;
```

NOTE: There were 6546 observations read from the data set WORK.ASCLNKS.  
NOTE: SAS sort was used.  
NOTE: The data set WORK.ASCLNKS has 6546 observations and 3 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 0.01 seconds  
cpu time 0.01 seconds

```
66
67     proc print data=asclnks (obs=50);
68         format eventype eventype.;
69         title3 "sample print of work.asclnks - sorted by evntidx";
70     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          0.20 seconds  
     cpu time           0.01 seconds

```
71
72     DATA ASCLNKS;
73         SET ASCLNKS (KEEP=EVNTIDX EVENTYPE);
74         BY EVNTIDX;
75         IF FIRST.EVNTIDX;
76     RUN;
```

NOTE: There were 6546 observations read from the data set WORK.ASCLNKS.  
 NOTE: The data set WORK.ASCLNKS has 6543 observations and 2 variables.  
 NOTE: DATA statement used (Total process time):  
     real time          0.01 seconds  
     cpu time           0.01 seconds

```
77
78     proc print data=asclnks (obs=50);
79         title3 "sample print of unique evntidxs from work.asclnks";
80         format eventype eventype.;
81     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

```
82
83     *-----
84     * Get non-telephone office based visits (i.e. MVIS events) for persons with positive weights.
85     *-----;
86     DATA MVIS;
87         SET IN.H118G (KEEP=EVNTIDX PERWT08F SEETLKPV);
88         IF PERWT08F > 0 & SEETLKPV NE 2;
89     RUN;
```

NOTE: There were 136460 observations read from the data set IN.H118G.  
 NOTE: The data set WORK.MVIS has 132104 observations and 3 variables.  
 NOTE: DATA statement used (Total process time):  
     real time          1.31 seconds  
     cpu time           0.07 seconds

```
90
91     PROC SORT DATA=MVIS; BY EVNTIDX; RUN;
```

NOTE: There were 132104 observations read from the data set WORK.MVIS.  
 NOTE: SAS threaded sort was used.  
 NOTE: The data set WORK.MVIS has 132104 observations and 3 variables.

NOTE: PROCEDURE SORT used (Total process time):  
 real time 0.06 seconds  
 cpu time 0.09 seconds

```

92
93 *-----
94 * Identify MVIS events which were for asthma.
95 *-----;
96 DATA ASMVIS;
97     MERGE ASCLNKS (IN=INASCLNK)
98           MVIS   (IN=INMVIS KEEP=EVNTIDX);
99     BY EVNTIDX;
100    IF INASCLNK & INMVIS;
101    RUN;

```

NOTE: There were 6543 observations read from the data set WORK.ASCLNKS.  
 NOTE: There were 132104 observations read from the data set WORK.MVIS.  
 NOTE: The data set WORK.ASMVIS has 1842 observations and 2 variables.  
 NOTE: DATA statement used (Total process time):  
 real time 0.04 seconds  
 cpu time 0.03 seconds

```

102
103     proc print data=asmvis (obs=50);
104         format eventype eventype.;
105         title3 "sample print of work.asmvis";
106         title4 "unique evntidxs from work.asclnks that are non-telephone MVIS (HC-118G) events";
107     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 0.20 seconds  
 cpu time 0.00 seconds

```

108
109 *-----
110 * Get PMED IDs linked to the MVIS events which were for asthma.
111 *-----;
112     PROC SORT DATA=IN.H118IF2 OUT=RXLK; BY EVNTIDX; RUN;

```

NOTE: There were 54857 observations read from the data set IN.H118IF2.  
 NOTE: SAS sort was used.  
 NOTE: The data set WORK.RXLK has 54857 observations and 6 variables.  
 NOTE: PROCEDURE SORT used (Total process time):  
 real time 0.15 seconds  
 cpu time 0.04 seconds

```

113
114     proc print data=rxlk (obs=140);
115         by evntidx;
116         id evntidx;
117         var linkidx eventype;

```

```
118     format eventype eventype.;
119     title3 "sample print of work.rxlk - sorted by evtidx";
120     title4 "Rx+event link file records (HC-118IF2)";
121     run;
```

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

NOTE: The PROCEDURE PRINT printed pages 7-11.

NOTE: PROCEDURE PRINT used (Total process time):

```
real time      0.37 seconds
cpu time       0.01 seconds
```

```
122
123     DATA PMEDIDS;
124     MERGE RXLK  (IN=INRXLK KEEP=EVNTIDX LINKIDX EVENTYPE)
125     ASMVIS (IN=INASMVIS KEEP=EVNTIDX);
126     BY EVNTIDX;
127     IF INRXLK & INASMVIS;
128     RUN;
```

NOTE: There were 54857 observations read from the data set WORK.RXLK.

NOTE: There were 1842 observations read from the data set WORK.ASMVIS.

NOTE: The data set WORK.PMEDIDS has 1894 observations and 3 variables.

NOTE: DATA statement used (Total process time):

```
real time      0.01 seconds
cpu time       0.01 seconds
```

```
129
130     proc print data=pmedids (obs=50);
131     by evtidx;
132     id evtidx;
133     format eventype eventype.;
134     title3 "sample print of work.pmedids - sorted by evtidx";
135     title4 "work.rxlk records for evtidxs in work.asmvis";
136     run;
```

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

NOTE: The PROCEDURE PRINT printed pages 12-13.

NOTE: PROCEDURE PRINT used (Total process time):

```
real time      0.03 seconds
cpu time       0.00 seconds
```

```
137
138     PROC SORT DATA=PMEDIDS; BY LINKIDX; RUN;
```

NOTE: There were 1894 observations read from the data set WORK.PMEDIDS.

NOTE: SAS sort was used.

NOTE: The data set WORK.PMEDIDS has 1894 observations and 3 variables.

NOTE: PROCEDURE SORT used (Total process time):

```
real time      0.01 seconds
cpu time       0.00 seconds
```

```
139
140     proc print data=pmedids (obs=50);
```

```

141     format eventype eventype.;
142     title3 "sample print of work.pmedids - sorted by linkidx";
143     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       0.00 seconds

```

```

144
145     DATA PMEDIDS;
146         SET PMEDIDS (KEEP=LINKIDX);
147         BY LINKIDX;
148         IF FIRST.LINKIDX;
149     RUN;

```

NOTE: There were 1894 observations read from the data set WORK.PMEDIDS.

NOTE: The data set WORK.PMEDIDS has 1794 observations and 1 variables.

NOTE: DATA statement used (Total process time):

```

real time      0.00 seconds
cpu time       0.00 seconds

```

```

150
151     proc print data=pmedids (obs=50);
152         title3 "sample print of unique linkidxs in work.pmedids";
153     run;

```

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

NOTE: The PROCEDURE PRINT printed page 15.

NOTE: PROCEDURE PRINT used (Total process time):

```

real time      0.03 seconds
cpu time       0.00 seconds

```

```

154
155     *-----
156     * Get PMED records linked to MVIS events which were for asthma.
157     *-----;
158     PROC SORT DATA=IN.H118A OUT=PMED; BY LINKIDX; RUN;

```

NOTE: There were 293379 observations read from the data set IN.H118A.

NOTE: SAS threaded sort was used.

NOTE: The data set WORK.PMED has 293379 observations and 13 variables.

NOTE: PROCEDURE SORT used (Total process time):

```

real time      10.82 seconds
cpu time       0.64 seconds

```

```

159
160     DATA MVPMEDS;
161         MERGE PMED (KEEP=LINKIDX RXRECIDX RXXP08X PERWT08F RXNAME)
162             PMEDIDS (IN=A);
163         BY LINKIDX;
164         IF A;

```



165 RUN;

NOTE: There were 293379 observations read from the data set WORK.PMED.  
NOTE: There were 1794 observations read from the data set WORK.PMEDIDS.  
NOTE: The data set WORK.MVPMEDS has 4544 observations and 5 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.09 seconds  
cpu time 0.09 seconds

166  
167 PROC PRINT DATA=MVPMEDS (OBS=200);  
168 VAR RXRECIDX RXNAME RXXP08X PERWT08F;  
169 BY LINKIDX;  
170 ID LINKIDX;  
171 TITLE3 "sample print of work.mvpmeds";  
172 TITLE4 "PMED (HC-118A) records for unique linkidxs in work.pmedids";  
173 RUN;

NOTE: There were 200 observations read from the data set WORK.MVPMEDS.  
NOTE: The PROCEDURE PRINT printed pages 16-21.  
NOTE: PROCEDURE PRINT used (Total process time):  
real time 0.67 seconds  
cpu time 0.01 seconds

174  
175 PROC MEANS DATA=MVPMEDS N SUM;  
176 VAR RXXP08X;  
177 TITLE3 "Total Rx expenditures associated with medical visits (excluding telephone) for asthma";  
178 RUN;

NOTE: Multiple concurrent threads will be used to summarize data.  
NOTE: There were 4544 observations read from the data set WORK.MVPMEDS.  
NOTE: The PROCEDURE MEANS printed page 22.  
NOTE: PROCEDURE MEANS used (Total process time):  
real time 0.34 seconds  
cpu time 0.03 seconds

179  
180 PROC MEANS DATA=MVPMEDS N SUM;  
181 VAR RXXP08X;  
182 WEIGHT PERWT08F;  
183 TITLE3 "Total Rx expenditures associated with medical visits (excluding telephone) for asthma";  
184 TITLE5 "Weighted";  
185 RUN;

NOTE: Multiple concurrent threads will be used to summarize data.  
NOTE: There were 4544 observations read from the data set WORK.MVPMEDS.  
NOTE: The PROCEDURE MEANS printed page 23.  
NOTE: PROCEDURE MEANS used (Total process time):  
real time 0.13 seconds  
cpu time 0.01 seconds

186

```
187     ods rtf close;  
188
```

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

NOTE: The SAS System used:

real time	23.70 seconds
cpu time	2.45 seconds

HC-118I  
 Sample SAS Job for Example A  
 sample print of work.asconds - sorted by condidx  
 COND (H120) records where cccodex=128

Obs	CONDIDX	CCCODEX
1	700121030011	128
2	700251010031	128
3	700251030011	128
4	700271030011	128
5	700271040031	128
6	700271050061	128
7	700351020091	128
8	700481010071	128
9	700701040051	128
10	700991010041	128
11	701131060041	128
12	701461010041	128
13	701641030011	128
14	701971030021	128
15	701981010011	128
16	702051030011	128
17	702151010051	128
18	702291010041	128
19	702421050011	128
20	702441010071	128
21	702441010181	128
22	702731030022	128
23	702751020041	128
24	702761010011	128
25	702831010061	128
26	702851010021	128
27	702901010041	128
28	702901010061	128
29	702981040031	128
30	703041010021	128
31	703121010051	128
32	703141010031	128
33	703261010041	128
34	703341030011	128
35	703341040011	128
36	703461030011	128
37	703561020021	128
38	703601010051	128
39	703601030023	128
40	703651030011	128
41	703741010041	128
42	703821030011	128
43	703881010031	128
44	703951010021	128
45	704101010051	128
46	704171010061	128
47	704281010051	128
48	704281020011	128
49	704311050011	128
50	704641040011	128

HC-118I  
Sample SAS Job for Example A  
sample print of work.asclnks - sorted by condidx  
events linked to asthma condition records

CONDIDX	EVNTIDX	EVENTYPE
700121030011	700121030041	8 PMED
700121030011	700121030061	8 PMED
700121030011	700121030081	8 PMED
700251030011	700251030161	1 MVIS
700251030011	700251030171	1 MVIS
700251030011	700251030181	1 MVIS
700251030011	700251030191	8 PMED
700251030011	700251030211	8 PMED
700251030011	700251030271	8 PMED
700251030011	700251030311	8 PMED
700271040031	700271040081	8 PMED
700271050061	700271050131	1 MVIS
700271050061	700271050151	8 PMED
700351020091	700351020421	1 MVIS
700351020091	700351020481	8 PMED
700351020091	700351020571	1 MVIS
700351020091	700351020601	8 PMED
700351020091	700351020611	8 PMED
700351020091	700351020651	8 PMED
700351020091	700351020671	8 PMED
700481010071	700481010271	1 MVIS
700481010071	700481010291	1 MVIS
700481010071	700481010311	8 PMED
700481010071	700481010371	8 PMED
700481010071	700481010441	8 PMED
700481010071	700481010521	8 PMED
700701040051	700701040121	3 EROM
700701040051	700701040131	8 PMED
700991010041	700991010201	8 PMED
700991010041	700991010261	8 PMED
701131060041	701131060711	1 MVIS
701131060041	701131060761	8 PMED
701131060041	701131060771	8 PMED
701461010041	701461010071	8 PMED
701461010041	701461010081	8 PMED
701461010041	701461010091	8 PMED
701461010041	701461010101	8 PMED
701461010041	701461010111	8 PMED
701461010041	701461010121	8 PMED
701461010041	701461010131	8 PMED
701461010041	701461010141	8 PMED
701461010041	701461010151	8 PMED
701641030011	701641030091	1 MVIS
701641030011	701641030101	8 PMED
701981010011	701981010061	1 MVIS
701981010011	701981010081	8 PMED
701981010011	701981010121	8 PMED
702051030011	702051030081	8 PMED
702151010051	702151010121	1 MVIS
702151010051	702151010131	1 MVIS
702151010051	702151010141	1 MVIS
702151010051	702151010151	8 PMED
702291010041	702291010191	8 PMED
702421050011	702421050181	8 PMED
702421050011	702421050191	8 PMED
702421050011	702421050201	8 PMED
702421050011	702421050211	8 PMED
702441010071	702441010891	8 PMED
702441010071	702441010981	1 MVIS
702441010071	702441011001	1 MVIS
702441010071	702441011131	8 PMED
702441010181	702441010831	8 PMED
702441010181	702441010901	8 PMED
702441010181	702441010991	1 MVIS
702441010181	702441011051	8 PMED
702441010181	702441011171	8 PMED
702751020041	702751020331	8 PMED
702751020041	702751020371	1 MVIS
702751020041	702751020431	8 PMED

<b>CONDIDX</b>	<b>EVNTIDX</b>	<b>EVENTYPE</b>
702751020041	702751020501	8 PMED
702761010011	702761010071	8 PMED
702761010011	702761010081	8 PMED
702761010011	702761010101	8 PMED
702761010011	702761010111	8 PMED
702761010011	702761010121	8 PMED

HC-118I  
Sample SAS Job for Example A  
sample print of work.asclnks - sorted by evntidx

Obs	CONDIDX	EVNTIDX	EVENTYPE
1	700121030011	700121030041	8 PMED
2	700121030011	700121030061	8 PMED
3	700121030011	700121030081	8 PMED
4	700251030011	700251030161	1 MVIS
5	700251030011	700251030171	1 MVIS
6	700251030011	700251030181	1 MVIS
7	700251030011	700251030191	8 PMED
8	700251030011	700251030211	8 PMED
9	700251030011	700251030271	8 PMED
10	700251030011	700251030311	8 PMED
11	700271040031	700271040081	8 PMED
12	700271050061	700271050131	1 MVIS
13	700271050061	700271050151	8 PMED
14	700351020091	700351020421	1 MVIS
15	700351020091	700351020481	8 PMED
16	700351020091	700351020571	1 MVIS
17	700351020091	700351020601	8 PMED
18	700351020091	700351020611	8 PMED
19	700351020091	700351020651	8 PMED
20	700351020091	700351020671	8 PMED
21	700481010071	700481010271	1 MVIS
22	700481010071	700481010291	1 MVIS
23	700481010071	700481010311	8 PMED
24	700481010071	700481010371	8 PMED
25	700481010071	700481010441	8 PMED
26	700481010071	700481010521	8 PMED
27	700701040051	700701040121	3 EROM
28	700701040051	700701040131	8 PMED
29	700991010041	700991010201	8 PMED
30	700991010041	700991010261	8 PMED
31	701131060041	701131060711	1 MVIS
32	701131060041	701131060761	8 PMED
33	701131060041	701131060771	8 PMED
34	701461010041	701461010071	8 PMED
35	701461010041	701461010081	8 PMED
36	701461010041	701461010091	8 PMED
37	701461010041	701461010101	8 PMED
38	701461010041	701461010111	8 PMED
39	701461010041	701461010121	8 PMED
40	701461010041	701461010131	8 PMED
41	701461010041	701461010141	8 PMED
42	701461010041	701461010151	8 PMED
43	701641030011	701641030091	1 MVIS
44	701641030011	701641030101	8 PMED
45	701981010011	701981010061	1 MVIS
46	701981010011	701981010081	8 PMED
47	701981010011	701981010121	8 PMED
48	702051030011	702051030081	8 PMED
49	702151010051	702151010121	1 MVIS
50	702151010051	702151010131	1 MVIS

HC-118I  
 Sample SAS Job for Example A  
 sample print of unique evtidxs from work.asclnks

Obs	EVNTIDX	EVENTYPE
1	700121030041	8 PMED
2	700121030061	8 PMED
3	700121030081	8 PMED
4	700251030161	1 MVIS
5	700251030171	1 MVIS
6	700251030181	1 MVIS
7	700251030191	8 PMED
8	700251030211	8 PMED
9	700251030271	8 PMED
10	700251030311	8 PMED
11	700271040081	8 PMED
12	700271050131	1 MVIS
13	700271050151	8 PMED
14	700351020421	1 MVIS
15	700351020481	8 PMED
16	700351020571	1 MVIS
17	700351020601	8 PMED
18	700351020611	8 PMED
19	700351020651	8 PMED
20	700351020671	8 PMED
21	700481010271	1 MVIS
22	700481010291	1 MVIS
23	700481010311	8 PMED
24	700481010371	8 PMED
25	700481010441	8 PMED
26	700481010521	8 PMED
27	700701040121	3 EROM
28	700701040131	8 PMED
29	700991010201	8 PMED
30	700991010261	8 PMED
31	701131060711	1 MVIS
32	701131060761	8 PMED
33	701131060771	8 PMED
34	701461010071	8 PMED
35	701461010081	8 PMED
36	701461010091	8 PMED
37	701461010101	8 PMED
38	701461010111	8 PMED
39	701461010121	8 PMED
40	701461010131	8 PMED
41	701461010141	8 PMED
42	701461010151	8 PMED
43	701641030091	1 MVIS
44	701641030101	8 PMED
45	701981010061	1 MVIS
46	701981010081	8 PMED
47	701981010121	8 PMED
48	702051030081	8 PMED
49	702151010121	1 MVIS
50	702151010131	1 MVIS

HC-118I  
Sample SAS Job for Example A  
sample print of work.asmvis  
unique evntidxs from work.asclnks that are non-telephone MVIS (HC-118G) events

Obs	EVNTIDX	EVENTYPE
1	700251030161	1 MVIS
2	700251030171	1 MVIS
3	700251030181	1 MVIS
4	700271050131	1 MVIS
5	700351020421	1 MVIS
6	700351020571	1 MVIS
7	700481010271	1 MVIS
8	700481010291	1 MVIS
9	701131060711	1 MVIS
10	701981010061	1 MVIS
11	702151010121	1 MVIS
12	702151010131	1 MVIS
13	702151010141	1 MVIS
14	702441010981	1 MVIS
15	702441010991	1 MVIS
16	702441011001	1 MVIS
17	702751020371	1 MVIS
18	702761010141	1 MVIS
19	703121010201	1 MVIS
20	703121010211	1 MVIS
21	703121010221	1 MVIS
22	703261010331	1 MVIS
23	703261010341	1 MVIS
24	703261010421	1 MVIS
25	703561020011	1 MVIS
26	703601010211	1 MVIS
27	703651030231	1 MVIS
28	704281020371	1 MVIS
29	704281020381	1 MVIS
30	704641040031	1 MVIS
31	704781020461	1 MVIS
32	704781020471	1 MVIS
33	704921020241	1 MVIS
34	705121020401	1 MVIS
35	705121020421	1 MVIS
36	705551030041	1 MVIS
37	705671010351	1 MVIS
38	705671010361	1 MVIS
39	705751020271	1 MVIS
40	705841011771	1 MVIS
41	705841011781	1 MVIS
42	705841012341	1 MVIS
43	706601010231	1 MVIS
44	706601010241	1 MVIS
45	706601010251	1 MVIS
46	706601010261	1 MVIS
47	706801010391	1 MVIS
48	706801010401	1 MVIS
49	706801010411	1 MVIS
50	706801010421	1 MVIS



HC-118I  
Sample SAS Job for Example A  
sample print of work.rx1k - sorted by evtidix  
Rx+event link file records (HC-118IF2)

EVNTIDX	LINKIDX	EVENTYPE
700011020241	700011020321	1 MVIS
700011040071	700011040081	1 MVIS
700041030031	700041030041	1 MVIS
700082010092	700082010152	1 MVIS
700082010092	700082010162	1 MVIS
700091010201	700091010261	1 MVIS
700091010201	700091010271	1 MVIS
700101030111	700101030141	1 MVIS
700101030131	700101030151	1 MVIS
700111010251	700111010301	1 MVIS
700111010281	700111010311	3 EROM
700161010061	700161010081	1 MVIS
700161010091	700161010101	1 MVIS
700161010091	700161010111	1 MVIS
700161010131	700161010141	1 MVIS
700161020081	700161020101	1 MVIS
700161020141	700161020151	1 MVIS
700161020141	700161020161	1 MVIS
700161020141	700161020171	1 MVIS
700211010201	700211010211	1 MVIS
700211010201	700211010221	1 MVIS
700211010201	700211010231	1 MVIS
700211030161	700211030201	1 MVIS
700211030161	700211030211	1 MVIS
700211030231	700211030241	1 MVIS
700211030231	700211030251	1 MVIS
700221010391	700221010441	1 MVIS
700221010391	700221010451	1 MVIS
700221010391	700221010461	1 MVIS
700221020021	700221020051	3 EROM
700251010131	700251010181	1 MVIS
700251010141	700251010191	2 OPAT
700251010141	700251010201	2 OPAT
700251010871	700251010921	1 MVIS
700251010871	700251010931	1 MVIS
700251010871	700251010941	1 MVIS
700251010911	700251010941	1 MVIS
700251010911	700251010951	1 MVIS
700251020011	700251020031	1 MVIS
700251020011	700251020041	1 MVIS
700251020051	700251020061	1 MVIS
700251020071	700251020081	1 MVIS
700251030161	700251030191	1 MVIS
700251030161	700251030201	1 MVIS
700251030161	700251030211	1 MVIS
700251030221	700251030261	1 MVIS
700251030241	700251030271	1 MVIS
700251030241	700251030281	1 MVIS
700251030241	700251030291	1 MVIS
700251030241	700251030301	1 MVIS
700251030241	700251030311	1 MVIS
700271020041	700271020051	3 EROM
700271050071	700271050081	1 MVIS
700271050071	700271050091	1 MVIS
700271050071	700271050101	1 MVIS
700271050131	700271050151	1 MVIS
700271060111	700271060131	1 MVIS
700271060111	700271060141	1 MVIS
700281030131	700281030141	3 EROM
700281040101	700281040111	1 MVIS
700281050031	700281050041	3 EROM
700291010142	700291010152	3 EROM
700321010231	700321010331	1 MVIS
700321010241	700321010341	5 DVIS
700321020531	700321020551	1 MVIS
700321020531	700321020561	1 MVIS
700331010141	700331010181	5 DVIS

EVNTIDX	LINKIDX	EVENTYPE
700331010141	700331010191	5 DVIS
700331010151	700331010201	1 MVIS
700331010151	700331010211	1 MVIS
700331010151	700331010221	1 MVIS
700331010151	700331010231	1 MVIS
700331010151	700331010241	1 MVIS
700341020271	700341020291	1 MVIS
700341020281	700341020301	1 MVIS
700341020311	700341020361	1 MVIS
700341020321	700341020371	1 MVIS
700341020321	700341020381	1 MVIS
700341020321	700341020391	1 MVIS
700351020321	700351020431	1 MVIS
700351020321	700351020441	1 MVIS
700351020321	700351020451	1 MVIS
700351020321	700351020461	1 MVIS
700351020321	700351020471	1 MVIS
700351020321	700351020481	1 MVIS
700351020331	700351020491	3 EROM
700351020421	700351020501	1 MVIS
700351020421	700351020511	1 MVIS
700351020571	700351020601	1 MVIS
700351020571	700351020611	1 MVIS
700361010291	700361010381	1 MVIS
700361010351	700361010391	1 MVIS
700361010351	700361010401	1 MVIS
700361010431	700361010441	1 MVIS
700361010431	700361010451	1 MVIS
700361020271	700361020301	1 MVIS
700361020281	700361020311	1 MVIS
700361020411	700361020591	1 MVIS
700361020421	700361020601	1 MVIS
700361020461	700361020611	1 MVIS
700361020461	700361020621	1 MVIS
700361020461	700361020631	1 MVIS
700361020491	700361020641	1 MVIS
700361020571	700361020651	2 OPAT
700371010431	700371010451	1 MVIS
700371010541	700371010551	1 MVIS
700371010541	700371010561	1 MVIS
700371010541	700371010571	1 MVIS
700371010541	700371010581	1 MVIS
700371010541	700371010591	1 MVIS
700371010541	700371010601	1 MVIS
700371010541	700371010611	1 MVIS
700371010541	700371010621	1 MVIS
700431010681	700431010751	1 MVIS
700431010681	700431010761	1 MVIS
700431010681	700431010771	1 MVIS
700431010681	700431010781	1 MVIS
700431010681	700431010791	1 MVIS
700461010121	700461010131	1 MVIS
700501010111	700501010151	4 STAZ
700501030201	700501030291	1 MVIS
700531010371	700531010391	1 MVIS
700531010481	700531010471	1 MVIS
700531010561	700531010621	1 MVIS
700531010561	700531010631	1 MVIS
700531010561	700531010641	1 MVIS
700531030081	700531030091	1 MVIS
700671020371	700671020391	1 MVIS
700691020051	700691020061	1 MVIS
700701030101	700701030121	5 DVIS
700701030111	700701030121	5 DVIS
700701040091	700701040101	3 EROM
700701040091	700701040111	3 EROM
700701040121	700701040131	3 EROM
700731010061	700731010071	1 MVIS
700731010061	700731010081	1 MVIS
700731010091	700731010101	1 MVIS
700751010221	700751010241	1 MVIS
700751010221	700751010251	1 MVIS

<b>EVNTIDX</b>	<b>LINKIDX</b>	<b>EVENTYPE</b>
700751010221	700751010261	1 MVIS

HC-118I  
Sample SAS Job for Example A  
sample print of work.pmedids - sorted by evtndix  
work.rxlk records for evtndixs in work.asmvis

EVNTIDX	LINKIDX	EVENTYPE
700251030161	700251030191	1 MVIS
700251030161	700251030201	1 MVIS
700251030161	700251030211	1 MVIS
700271050131	700271050151	1 MVIS
700351020421	700351020501	1 MVIS
700351020421	700351020511	1 MVIS
700351020571	700351020601	1 MVIS
700351020571	700351020611	1 MVIS
701981010061	701981010071	1 MVIS
701981010061	701981010081	1 MVIS
701981010061	701981010091	1 MVIS
701981010061	701981010101	1 MVIS
702151010121	702151010151	1 MVIS
702151010131	702151010151	1 MVIS
703121010201	703121010241	1 MVIS
703121010201	703121010251	1 MVIS
703121010201	703121010261	1 MVIS
703121010201	703121010271	1 MVIS
703121010201	703121010281	1 MVIS
703121010201	703121010291	1 MVIS
703121010201	703121010301	1 MVIS
703121010201	703121010311	1 MVIS
703121010201	703121010321	1 MVIS
703121010201	703121010331	1 MVIS
703121010201	703121010341	1 MVIS
703261010331	703261010361	1 MVIS
703261010331	703261010371	1 MVIS
703261010331	703261010381	1 MVIS
703261010331	703261010391	1 MVIS
703261010331	703261010401	1 MVIS
703261010331	703261010411	1 MVIS
703261010341	703261010361	1 MVIS
703261010341	703261010371	1 MVIS
703261010341	703261010381	1 MVIS
703261010341	703261010391	1 MVIS
703261010341	703261010401	1 MVIS
703261010341	703261010411	1 MVIS
703261010421	703261010451	1 MVIS
703261010421	703261010461	1 MVIS
703261010421	703261010471	1 MVIS
703261010421	703261010481	1 MVIS
703561020011	703561020021	1 MVIS
703561020011	703561020031	1 MVIS
703601010211	703601010231	1 MVIS
704281020371	704281020411	1 MVIS
704281020381	704281020421	1 MVIS
704641040031	704641040041	1 MVIS
704781020461	704781020481	1 MVIS
704921020241	704921020251	1 MVIS
705121020401	705121020431	1 MVIS

HC-118I  
Sample SAS Job for Example A  
sample print of work.pmedids - sorted by linkidx

Obs	EVNTIDX	LINKIDX	EVENTYPE
1	700251030161	700251030191	1 MVIS
2	700251030161	700251030201	1 MVIS
3	700251030161	700251030211	1 MVIS
4	700271050131	700271050151	1 MVIS
5	700351020421	700351020501	1 MVIS
6	700351020421	700351020511	1 MVIS
7	700351020571	700351020601	1 MVIS
8	700351020571	700351020611	1 MVIS
9	701981010061	701981010071	1 MVIS
10	701981010061	701981010081	1 MVIS
11	701981010061	701981010091	1 MVIS
12	701981010061	701981010101	1 MVIS
13	702151010121	702151010151	1 MVIS
14	702151010131	702151010151	1 MVIS
15	703121010201	703121010241	1 MVIS
16	703121010201	703121010251	1 MVIS
17	703121010201	703121010261	1 MVIS
18	703121010201	703121010271	1 MVIS
19	703121010201	703121010281	1 MVIS
20	703121010201	703121010291	1 MVIS
21	703121010201	703121010301	1 MVIS
22	703121010201	703121010311	1 MVIS
23	703121010201	703121010321	1 MVIS
24	703121010201	703121010331	1 MVIS
25	703121010201	703121010341	1 MVIS
26	703261010331	703261010361	1 MVIS
27	703261010341	703261010361	1 MVIS
28	703261010331	703261010371	1 MVIS
29	703261010341	703261010371	1 MVIS
30	703261010331	703261010381	1 MVIS
31	703261010341	703261010381	1 MVIS
32	703261010331	703261010391	1 MVIS
33	703261010341	703261010391	1 MVIS
34	703261010331	703261010401	1 MVIS
35	703261010341	703261010401	1 MVIS
36	703261010331	703261010411	1 MVIS
37	703261010341	703261010411	1 MVIS
38	703261010421	703261010451	1 MVIS
39	703261010421	703261010461	1 MVIS
40	703261010421	703261010471	1 MVIS
41	703261010421	703261010481	1 MVIS
42	703561020011	703561020021	1 MVIS
43	703561020011	703561020031	1 MVIS
44	703601010211	703601010231	1 MVIS
45	704281020371	704281020411	1 MVIS
46	704281020381	704281020421	1 MVIS
47	704641040031	704641040041	1 MVIS
48	704781020461	704781020481	1 MVIS
49	704921020241	704921020251	1 MVIS
50	705121020401	705121020431	1 MVIS

HC-118I  
Sample SAS Job for Example A  
sample print of unique linkidxs in work.pmedids

Obs	LINKIDX
1	700251030191
2	700251030201
3	700251030211
4	700271050151
5	700351020501
6	700351020511
7	700351020601
8	700351020611
9	701981010071
10	701981010081
11	701981010091
12	701981010101
13	702151010151
14	703121010241
15	703121010251
16	703121010261
17	703121010271
18	703121010281
19	703121010291
20	703121010301
21	703121010311
22	703121010321
23	703121010331
24	703121010341
25	703261010361
26	703261010371
27	703261010381
28	703261010391
29	703261010401
30	703261010411
31	703261010451
32	703261010461
33	703261010471
34	703261010481
35	703561020021
36	703561020031
37	703601010231
38	704281020411
39	704281020421
40	704641040041
41	704781020481
42	704921020251
43	705121020431
44	705121020441
45	705551030051
46	705671010381
47	705671010391
48	705841012191
49	705841012591
50	705841012601

HC-118I  
Sample SAS Job for Example A  
sample print of work.mvpmeds  
PMED (HC-118A) records for unique linkidxs in work.pmedids

LINKIDX	RXRECIDX	RXNAME	RXXP08X	PERWT08F
700251030191	700251030191001	XOPENEX (PF)	84.87	3160.81
700251030201	700251030201001	ZYRTEC	6.44	3160.81
700251030201	700251030201002	ZYRTEC	6.44	3160.81
700251030211	700251030211001	FLOVENT DISKUS	120.85	3160.81
700271050151	700271050151001	XOPENEX HFA (200 ACTUATIONS)	52.63	1840.44
700351020501	700351020501001	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020511	700351020511001	ALBUTEROL	34.85	9219.77
700351020601	700351020601001	SYMBICORT	170.29	9219.77
700351020601	700351020601002	SYMBICORT	170.29	9219.77
700351020611	700351020611001	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020611	700351020611002	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020611	700351020611003	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020611	700351020611004	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
701981010071	701981010071001	METHYLPREDNISOLONE	10.75	9361.57
701981010081	701981010081001	PROAIR HFA	32.34	9361.57
701981010091	701981010091001	AMOXICILLIN	9.80	9361.57
701981010101	701981010101001	ALBUTEROL	22.02	9361.57
702151010151	702151010151001	SYMBICORT	189.80	10837.01
702151010151	702151010151002	SYMBICORT	189.80	10837.01
703121010241	703121010241001	PREVACID	330.04	2675.14
703121010241	703121010241002	PREVACID	330.04	2675.14
703121010241	703121010241003	PREVACID	330.04	2675.14
703121010241	703121010241004	PREVACID	330.04	2675.14
703121010241	703121010241005	PREVACID	330.04	2675.14
703121010251	703121010251001	HYDROCHLOROTHIAZIDE	7.50	2675.14
703121010251	703121010251002	HYDROCHLOROTHIAZIDE	7.50	2675.14
703121010251	703121010251003	HYDROCHLOROTHIAZIDE	7.50	2675.14
703121010251	703121010251004	HYDROCHLOROTHIAZIDE	7.50	2675.14
703121010251	703121010251005	HYDROCHLOROTHIAZIDE	7.50	2675.14
703121010261	703121010261001	IBUPROFEN	13.20	2675.14
703121010261	703121010261002	IBUPROFEN	13.20	2675.14
703121010261	703121010261003	IBUPROFEN	13.20	2675.14
703121010261	703121010261004	IBUPROFEN	13.20	2675.14
703121010261	703121010261005	IBUPROFEN	13.20	2675.14
703121010271	703121010271001	FUROSEMIDE	7.07	2675.14
703121010271	703121010271002	FUROSEMIDE	7.57	2675.14
703121010271	703121010271003	FUROSEMIDE	7.57	2675.14
703121010271	703121010271004	FUROSEMIDE	7.57	2675.14
703121010271	703121010271005	FUROSEMIDE	7.57	2675.14
703121010281	703121010281001	TERBUTALINE SULFATE	26.21	2675.14
703121010281	703121010281002	TERBUTALINE SULFATE	26.21	2675.14
703121010281	703121010281003	TERBUTALINE SULFATE	28.21	2675.14
703121010281	703121010281004	TERBUTALINE SULFATE	28.21	2675.14
703121010281	703121010281005	TERBUTALINE SULFATE	28.21	2675.14
703121010291	703121010291001	EXTENDED PHENYTOIN SODIUM	35.09	2675.14
703121010291	703121010291002	EXTENDED PHENYTOIN SODIUM	35.09	2675.14
703121010291	703121010291003	EXTENDED PHENYTOIN SODIUM	35.09	2675.14
703121010291	703121010291004	EXTENDED PHENYTOIN SODIUM	35.09	2675.14
703121010291	703121010291005	EXTENDED PHENYTOIN SODIUM	35.09	2675.14
703121010301	703121010301001	CENESTIN (FILM-COATED)	50.16	2675.14
703121010301	703121010301002	CENESTIN (FILM-COATED)	50.16	2675.14
703121010301	703121010301003	CENESTIN (FILM-COATED)	53.16	2675.14
703121010301	703121010301004	CENESTIN (FILM-COATED)	53.16	2675.14
703121010301	703121010301005	CENESTIN (FILM-COATED)	53.16	2675.14
703121010311	703121010311001	AMITRIPTYLINE HCL (FILM COATED)	9.19	2675.14
703121010311	703121010311002	AMITRIPTYLINE HCL (FILM COATED)	9.19	2675.14
703121010311	703121010311003	AMITRIPTYLINE HCL (FILM COATED)	9.69	2675.14
703121010311	703121010311004	AMITRIPTYLINE HCL (FILM COATED)	9.69	2675.14
703121010311	703121010311005	AMITRIPTYLINE HCL (FILM COATED)	9.69	2675.14
703121010321	703121010321001	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010321	703121010321002	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010321	703121010321003	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010321	703121010321004	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010321	703121010321005	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010331	703121010331001	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010331	703121010331002	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010331	703121010331003	IPRATROPIUM BROMIDE (PF)	521.53	2675.14

LINKIDX	RXRECIDX	RXNAME	RXXP08X	PERWT08F
703121010331	703121010331004	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010331	703121010331005	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010341	703121010341001	CEFDINIR	72.05	2675.14
703121010341	703121010341002	CEFDINIR	72.05	2675.14
703121010341	703121010341003	CEFDINIR	72.05	2675.14
703121010341	703121010341004	CEFDINIR	72.05	2675.14
703121010341	703121010341005	CEFDINIR	72.05	2675.14
703261010361	703261010361001	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361002	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361003	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361004	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361005	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361006	ADVAIR DISKUS 100/50	155.89	3783.89
703261010361	703261010361007	ADVAIR DISKUS 100/50	155.89	3783.89
703261010371	703261010371001	NIASPAN	109.20	3783.89
703261010371	703261010371002	NIASPAN	109.20	3783.89
703261010371	703261010371003	NIASPAN	109.20	3783.89
703261010371	703261010371004	NIASPAN	109.20	3783.89
703261010371	703261010371005	NIASPAN	109.20	3783.89
703261010371	703261010371006	NIASPAN	109.20	3783.89
703261010371	703261010371007	NIASPAN	109.20	3783.89
703261010381	703261010381001	CRESTOR	97.63	3783.89
703261010381	703261010381002	CRESTOR	97.63	3783.89
703261010381	703261010381003	CRESTOR	97.63	3783.89
703261010381	703261010381004	CRESTOR	97.63	3783.89
703261010381	703261010381005	CRESTOR	102.42	3783.89
703261010381	703261010381006	CRESTOR	102.42	3783.89
703261010381	703261010381007	CRESTOR	102.42	3783.89
703261010391	703261010391001	ATENOLOL	3.09	3783.89
703261010391	703261010391002	ATENOLOL	3.09	3783.89
703261010391	703261010391003	ATENOLOL	3.09	3783.89
703261010391	703261010391004	ATENOLOL	3.09	3783.89
703261010391	703261010391005	ATENOLOL	3.09	3783.89
703261010391	703261010391006	ATENOLOL	3.09	3783.89
703261010391	703261010391007	ATENOLOL	3.09	3783.89
703261010401	703261010401001	TRICOR	38.13	3783.89
703261010401	703261010401002	TRICOR	38.13	3783.89
703261010401	703261010401003	TRICOR	38.13	3783.89
703261010401	703261010401004	TRICOR	38.13	3783.89
703261010401	703261010401005	TRICOR	38.13	3783.89
703261010401	703261010401006	TRICOR	38.13	3783.89
703261010401	703261010401007	TRICOR	38.13	3783.89
703261010411	703261010411001	CLOBETASOL PROPIONATE	41.84	3783.89
703261010411	703261010411002	CLOBETASOL PROPIONATE	41.84	3783.89
703261010411	703261010411003	CLOBETASOL PROPIONATE	41.84	3783.89
703261010411	703261010411004	CLOBETASOL PROPIONATE	41.84	3783.89
703261010411	703261010411005	CLOBETASOL PROPIONATE	41.84	3783.89
703261010411	703261010411006	CLOBETASOL PROPIONATE	41.84	3783.89
703261010411	703261010411007	CLOBETASOL PROPIONATE	41.84	3783.89
703261010451	703261010451001	ADVAIR DISKUS 100/50	155.89	3783.89
703261010451	703261010451002	ADVAIR DISKUS 100/50	155.89	3783.89
703261010451	703261010451003	ADVAIR DISKUS 100/50	155.89	3783.89
703261010461	703261010461001	CRESTOR	102.42	3783.89
703261010461	703261010461002	CRESTOR	102.42	3783.89
703261010461	703261010461003	CRESTOR	102.42	3783.89
703261010471	703261010471001	ATENOLOL	3.09	3783.89
703261010471	703261010471002	ATENOLOL	3.09	3783.89
703261010471	703261010471003	ATENOLOL	3.09	3783.89
703261010481	703261010481001	TRICOR	38.13	3783.89
703261010481	703261010481002	TRICOR	38.13	3783.89
703261010481	703261010481003	TRICOR	38.13	3783.89
703561020021	703561020021001	PROAIR HFA	20.00	3379.73
703561020031	703561020031001	SYMBICORT	167.04	3379.73
703601010231	703601010231001	ALBUTEROL	22.02	10819.95
704281020411	704281020411001	ALBUTEROL	19.18	12968.13
704281020421	704281020421001	FLOVENT HFA	112.25	12968.13
704641040041	704641040041001	AZITHROMYCIN	10.00	5978.43
704781020481	704781020481001	ALBUTEROL	25.86	15276.22
704921020251	704921020251001	SODIUM CHLORIDE	19.95	25608.94
705121020431	705121020431001	FLOVENT HFA (WITH DOSE COUNTER)	85.64	10239.60
705121020441	705121020441001	PROAIR HFA	32.08	10239.60
705551030051	705551030051001	AEROCHAMBER	37.29	5229.16



LINKIDX	RXRECIDX	RXNAME	RXXP08X	PERWT08F
705671010381	705671010381001	PREDNISONE	2.95	3682.77
705671010391	705671010391001	APAP/HYDROCODONE BITARTRATE	65.08	3682.77
705671010391	705671010391002	APAP/HYDROCODONE BITARTRATE	65.08	3682.77
705671010391	705671010391003	APAP/HYDROCODONE BITARTRATE	62.66	3682.77
705671010391	705671010391004	APAP/HYDROCODONE BITARTRATE	62.66	3682.77
705671010391	705671010391005	APAP/HYDROCODONE BITARTRATE	62.66	3682.77
705841012191	705841012191001	AZITHROMYCIN (FILM-COATED)	10.00	9597.15
705841012191	705841012191002	AZITHROMYCIN (FILM-COATED)	10.00	9597.15
705841012591	705841012591001	SINGULAIR (UNIT OF USE)	104.97	9597.15
705841012601	705841012601001	DOXYCYCLINE HYCLATE	10.00	9597.15
706801010701	706801010701001	SINGULAIR (UNIT OF USE)	285.42	8658.20
706801010711	706801010711001	PROVENTIL HFA (M.D.I.)	68.82	8658.20
706801010721	706801010721001	ADVAIR DISKUS 250/50	509.58	8658.20
706801010731	706801010731001	FEXOFENADINE HYDROCHLORIDE (FILM-COATED)	94.84	8658.20
706801010741	706801010741001	VERAMYST	222.47	8658.20
706851020441	706851020441001	ENALAPRIL MALEATE (WHITE)	5.51	4170.41
706851020441	706851020441002	ENALAPRIL MALEATE (WHITE)	5.51	4170.41
706851020441	706851020441003	ENALAPRIL MALEATE (WHITE)	5.51	4170.41
706851020451	706851020451001	GABAPENTIN	89.15	4170.41
706851020471	706851020471001	LANTUS	87.21	4170.41
706851020471	706851020471002	LANTUS	82.45	4170.41
706851020471	706851020471003	LANTUS	82.45	4170.41
707581030192	707581030192001	PROAIR HFA	32.08	7974.13
707581030202	707581030202001	ADVAIR DISKUS 250/50	190.96	7974.13
707691010121	707691010121001	ATENLOL	4.00	4330.61
707691010131	707691010131001	FOLIC ACID	0.50	4330.61
707691010141	707691010141001	COL-RITE	1.00	4330.61
707791021211	707791021211001	TOPROL XL	29.84	30500.24
707791021211	707791021211002	TOPROL XL	29.84	30500.24
707791021211	707791021211003	TOPROL XL	29.84	30500.24
707791021221	707791021221001	PLAVIX (FILM-COATED)	141.80	30500.24
707791021221	707791021221002	PLAVIX (FILM-COATED)	141.80	30500.24
707791021221	707791021221003	PLAVIX (FILM-COATED)	62.58	30500.24
707791021231	707791021231001	BENICAR (FILM-COATED)	112.26	30500.24
707791021231	707791021231002	BENICAR (FILM-COATED)	57.13	30500.24
707791021231	707791021231003	BENICAR (FILM-COATED)	57.13	30500.24
708051010441	708051010441001	ASMANEX TWISTHALER (60-INHALATION)	487.12	5401.55
708051010451	708051010451001	VERAMYST	80.60	5401.55
708771020521	708771020521001	AZITHROMYCIN (3X6,UNIT OF USE)	10.00	6965.39
708771020531	708771020531001	PREDNISONE	6.33	6965.39
708771020671	708771020671001	SMZ-TMP	10.00	6965.39
709351020661	709351020661001	SYMBICORT	1214.83	10509.88
709351020661	709351020661002	SYMBICORT	1214.83	10509.88
709351020671	709351020671001	PROAIR HFA	339.67	10509.88
710161010091	710161010091001	SINGULAIR (UNIT OF USE)	104.97	9884.72
710161010101	710161010101001	ADVAIR DISKUS 250/50	190.96	9884.72
710161010101	710161010101002	ADVAIR DISKUS 250/50	190.96	9884.72
710161010111	710161010111001	ALBUTEROL	22.02	9884.72
711011010361	711011010361001	FLOVENT DISKUS	120.85	12581.93
711011010371	711011010371001	ALBUTEROL	44.04	12581.93
711861030391	711861030391001	ALBUTEROL SULFATE (VIAL)	11.93	10238.30
711861030391	711861030391002	ALBUTEROL SULFATE (VIAL)	11.93	10238.30
711861030401	711861030401001	SINGULAIR (UNIT OF USE)	104.97	10238.30
711861030401	711861030401002	SINGULAIR (UNIT OF USE)	104.97	10238.30
711861030401	711861030401003	SINGULAIR (UNIT OF USE)	104.97	10238.30
712041011011	712041011011001	NEXIUM (UNIT OF USE)	465.75	8322.43
712041011021	712041011021001	PLAVIX (FILM-COATED)	415.98	8322.43
712041011031	712041011031001	METFORMIN HYDROCHLORIDE (FILM-COATED)	11.98	8322.43
712041011041	712041011041001	DARVOCET-N 100	34.17	8322.43
712041011051	712041011051001	ADVAIR DISKUS 500/50	752.50	8322.43
712041011061	712041011061001	LISINAPRIL	21.72	8322.43

HC-118I

Sample SAS Job for Example A

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

<b>Analysis Variable : RXXP08X SUM OF PAYMENTS RXSF08X-RXOU08X (IMPUTED)</b>	
<b>N</b>	<b>Sum</b>
4544	364559.18

HC-118I  
Sample SAS Job for Example A  
Total Rx expenditures associated with medical visits (excluding telephone) for asthma

Weighted

<b>Analysis Variable : RXXP08X SUM OF PAYMENTS RXSF08X-RXOU08X (IMPUTED)</b>	
<b>N</b>	<b>Sum</b>
4544	3180147225

NOTE: Copyright (c) 2002-2008 by SAS Institute Inc., Cary, NC, USA.  
 NOTE: SAS (r) Proprietary Software 9.2 (TS2M3)  
 Licensed to WESTAT INC, Site 70006348.  
 NOTE: This session is executing on the XP\_PRO platform.

NOTE: SAS initialization used:  
 real time 0.71 seconds  
 cpu time 0.45 seconds

NOTE: AUTOEXEC processing beginning; file is C:\Program Files\SAS92\SASFoundation\9.2\autoexec.sas.

NOTE: DATA statement used (Total process time):  
 real time 0.01 seconds  
 cpu time 0.01 seconds

I:\SASTRACE\TRACE92\

NOTE: DATA statement used (Total process time):  
 real time 0.07 seconds  
 cpu time 0.01 seconds

NOTE: AUTOEXEC processing completed.

1 ods rtf file = 'c:\sampleB.rtf' bodytitle;  
 NOTE: Writing RTF Body file: c:\sampleB.rtf

2  
 3 ods noproctitle;  
 4  
 5 OPTIONS LS=132 PS=59;  
 6  
 7 TITLE1 "HC-118I";  
 8 TITLE2 "Sample SAS Job for Example B";  
 9  
 10 LIBNAME IN "C:\Data";

NOTE: Libref IN was successfully assigned as follows:  
 Engine: V9  
 Physical Name: C:\Data

11  
 12 \*\*\*\*\*  
 13 \* Calculate the expenditures for prescribed medicines associated with asthma.  
 14 \*\*\*\*\*;  
 15 PROC FORMAT;  
 16 VALUE EVENTYPE  
 17 1 = "1 MVIS"  
 18 2 = "2 OPAT"  
 19 3 = "3 EROM"  
 20 4 = "4 STAZ"  
 21 5 = "5 DVIS"  
 22 6 = "6 OMED"  
 23 7 = "7 HVIS"

```

24           8 = "8 PMED";
NOTE: Format EVENTYPE has been output.
25           RUN;

```

```

NOTE: PROCEDURE FORMAT used (Total process time):
      real time      0.09 seconds
      cpu time       0.01 seconds

```

```

26
27           *-----
28           * Get condition records coded as asthma.
29           *-----;
30           DATA ASCONDS;
31             SET IN.H120 (KEEP=CONDIDX CCCODEX);
32             IF CCCODEX="128";
33           RUN;

```

```

NOTE: There were 102169 observations read from the data set IN.H120.
NOTE: The data set WORK.ASCONDS has 2100 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time      0.03 seconds
      cpu time       0.01 seconds

```

```

34
35           *-----
36           * Get the events linked to each of the asthma condition records.
37           *-----;
38           PROC SORT DATA=ASCONDS; BY CONDIDX; RUN;

```

```

NOTE: There were 2100 observations read from the data set WORK.ASCONDS.
NOTE: SAS sort was used.
NOTE: The data set WORK.ASCONDS has 2100 observations and 2 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time      0.00 seconds
      cpu time       0.00 seconds

```

```

39
40           proc print data=asconds (obs=50);
41             title3 "sample print of work.asconds - sorted by condidx";
42             title4 "COND (H120) records where cccodex=128";
43           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      0.06 seconds
      cpu time       0.03 seconds

```

```

44
45           PROC SORT DATA=IN.H118IF1 OUT=CLNK; BY CONDIDX; RUN;

```

```

NOTE: There were 294294 observations read from the data set IN.H118IF1.
NOTE: SAS threaded sort was used.

```

NOTE: The data set WORK.CLNK has 294294 observations and 6 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 5.62 seconds  
cpu time 0.34 seconds

```
46
47 DATA ASCLNKS;
48     MERGE CLNK (IN=INCLNK KEEP=CONDIDX EVNTIDX EVENTYPE)
49           ASCONDS (IN=INASCOND KEEP=CONDIDX);
50     BY CONDIDX;
51     IF INCLNK & INASCOND;
52     RUN;
```

NOTE: There were 294294 observations read from the data set WORK.CLNK.  
NOTE: There were 2100 observations read from the data set WORK.ASCONDS.  
NOTE: The data set WORK.ASCLNKS has 6546 observations and 3 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.09 seconds  
cpu time 0.07 seconds

```
53
54     proc print data=asclnks (obs=75);
55         by condidx;
56         id condidx;
57         format eventype eventype.;
58         title3 "sample print of work.asclnks - sorted by condidx";
59         title4 "events linked to asthma condition records";
60     run;
```

NOTE: There were 75 observations read from the data set WORK.ASCLNKS.  
NOTE: The PROCEDURE PRINT printed pages 2-3.  
NOTE: PROCEDURE PRINT used (Total process time):  
real time 1.18 seconds  
cpu time 0.01 seconds

```
61
62     PROC SORT DATA=ASCLNKS; BY EVNTIDX; RUN;
```

NOTE: There were 6546 observations read from the data set WORK.ASCLNKS.  
NOTE: SAS sort was used.  
NOTE: The data set WORK.ASCLNKS has 6546 observations and 3 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 0.01 seconds  
cpu time 0.00 seconds

```
63
64     proc print data=asclnks (obs=50);
65         format eventype eventype.;
66         title3 "sample print of work.asclnks - sorted by evntidx";
67     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

```
68
69     DATA ASCLNKS;
70     SET ASCLNKS (KEEP=EVNTIDX EVENTYPE);
71     BY EVNTIDX;
72     IF FIRST.EVNTIDX;
73     RUN;
```

NOTE: There were 6546 observations read from the data set WORK.ASCLNKS.  
 NOTE: The data set WORK.ASCLNKS has 6543 observations and 2 variables.  
 NOTE: DATA statement used (Total process time):

real time	0.01 seconds
cpu time	0.00 seconds

```
74
75     proc print data=asclnks (obs=50);
76     format eventype eventype.;
77     title3 "sample print of unique evntidxs from work.asclnks";
78     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

```
79
80     *-----
81     * Get PMED records linked to asthma condition records.
82     *-----;
83     PROC SORT DATA=IN.H118A OUT=PMED; BY LINKIDX; RUN;
```

NOTE: There were 293379 observations read from the data set IN.H118A.  
 NOTE: SAS threaded sort was used.  
 NOTE: The data set WORK.PMED has 293379 observations and 13 variables.  
 NOTE: PROCEDURE SORT used (Total process time):

real time	8.75 seconds
cpu time	0.65 seconds

```
84
85     DATA ASPMEDS;
86     MERGE PMED (KEEP=LINKIDX RXRECIDX RXNAME RXXP08X PERWT08F)
87     ASCLNKS (IN=INASCLNK KEEP=EVNTIDX RENAME=(EVNTIDX=LINKIDX));
88     BY LINKIDX;
89     IF INASCLNK & PERWT08F>0;
90     RUN;
```

NOTE: There were 293379 observations read from the data set WORK.PMED.  
 NOTE: There were 6543 observations read from the data set WORK.ASCLNKS.  
 NOTE: The data set WORK.ASPMEDS has 9502 observations and 5 variables.

NOTE: DATA statement used (Total process time):  
 real time 0.11 seconds  
 cpu time 0.10 seconds

```

91
92     proc print data=aspmeds (obs=300);
93         by linkidx;
94         id linkidx;
95         var rxrecidx rxname RXXP08X PERWT08F;
96         title3 "sample print of work.aspmeds";
97         title4 "PMED (HC-118A) records which link to condition records coded as asthma";
98     run;

```

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

NOTE: The PROCEDURE PRINT printed pages 6-14.

NOTE: PROCEDURE PRINT used (Total process time):

real time 0.73 seconds  
 cpu time 0.03 seconds

```

99
100    PROC MEANS DATA=ASPMEDS N SUM;
101        VAR RXXP08X;
102        TITLE3 "Total Rx expenditures associated with asthma";
103    RUN;

```

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

NOTE: There were 9502 observations read from the data set WORK.ASPMEDS.

NOTE: The PROCEDURE MEANS printed page 15.

NOTE: PROCEDURE MEANS used (Total process time):

real time 0.25 seconds  
 cpu time 0.01 seconds

```

104
105    PROC MEANS DATA=ASPMEDS N SUM;
106        VAR RXXP08X;
107        WEIGHT PERWT08F;
108        TITLE3 "Total Rx expenditures associated with asthma";
109        TITLE5 "Weighted";
110    RUN;

```

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

NOTE: There were 9502 observations read from the data set WORK.ASPMEDS.

NOTE: The PROCEDURE MEANS printed page 16.

NOTE: PROCEDURE MEANS used (Total process time):

real time 0.11 seconds  
 cpu time 0.03 seconds

```

111
112     ods rtf close;
113

```

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

NOTE: The SAS System used:

real time 18.73 seconds  
 cpu time 2.14 seconds



HC-118I  
 Sample SAS Job for Example B  
 sample print of work.asconds - sorted by condidx  
 COND (H120) records where cccodex=128

Obs	CONDIDX	CCCODEX
1	700121030011	128
2	700251010031	128
3	700251030011	128
4	700271030011	128
5	700271040031	128
6	700271050061	128
7	700351020091	128
8	700481010071	128
9	700701040051	128
10	700991010041	128
11	701131060041	128
12	701461010041	128
13	701641030011	128
14	701971030021	128
15	701981010011	128
16	702051030011	128
17	702151010051	128
18	702291010041	128
19	702421050011	128
20	702441010071	128
21	702441010181	128
22	702731030022	128
23	702751020041	128
24	702761010011	128
25	702831010061	128
26	702851010021	128
27	702901010041	128
28	702901010061	128
29	702981040031	128
30	703041010021	128
31	703121010051	128
32	703141010031	128
33	703261010041	128
34	703341030011	128
35	703341040011	128
36	703461030011	128
37	703561020021	128
38	703601010051	128
39	703601030023	128
40	703651030011	128
41	703741010041	128
42	703821030011	128
43	703881010031	128
44	703951010021	128
45	704101010051	128
46	704171010061	128
47	704281010051	128
48	704281020011	128
49	704311050011	128
50	704641040011	128

HC-118I  
Sample SAS Job for Example B  
sample print of work.asclnks - sorted by condidx  
events linked to asthma condition records

CONDIDX	EVNTIDX	EVENTYPE
700121030011	700121030041	8 PMED
700121030011	700121030061	8 PMED
700121030011	700121030081	8 PMED
700251030011	700251030161	1 MVIS
700251030011	700251030171	1 MVIS
700251030011	700251030181	1 MVIS
700251030011	700251030191	8 PMED
700251030011	700251030211	8 PMED
700251030011	700251030271	8 PMED
700251030011	700251030311	8 PMED
700271040031	700271040081	8 PMED
700271050061	700271050131	1 MVIS
700271050061	700271050151	8 PMED
700351020091	700351020421	1 MVIS
700351020091	700351020481	8 PMED
700351020091	700351020571	1 MVIS
700351020091	700351020601	8 PMED
700351020091	700351020611	8 PMED
700351020091	700351020651	8 PMED
700351020091	700351020671	8 PMED
700481010071	700481010271	1 MVIS
700481010071	700481010291	1 MVIS
700481010071	700481010311	8 PMED
700481010071	700481010371	8 PMED
700481010071	700481010441	8 PMED
700481010071	700481010521	8 PMED
700701040051	700701040121	3 EROM
700701040051	700701040131	8 PMED
700991010041	700991010201	8 PMED
700991010041	700991010261	8 PMED
701131060041	701131060711	1 MVIS
701131060041	701131060761	8 PMED
701131060041	701131060771	8 PMED
701461010041	701461010071	8 PMED
701461010041	701461010081	8 PMED
701461010041	701461010091	8 PMED
701461010041	701461010101	8 PMED
701461010041	701461010111	8 PMED
701461010041	701461010121	8 PMED
701461010041	701461010131	8 PMED
701461010041	701461010141	8 PMED
701461010041	701461010151	8 PMED
701641030011	701641030091	1 MVIS
701641030011	701641030101	8 PMED
701981010011	701981010061	1 MVIS
701981010011	701981010081	8 PMED
701981010011	701981010121	8 PMED
702051030011	702051030081	8 PMED
702151010051	702151010121	1 MVIS
702151010051	702151010131	1 MVIS
702151010051	702151010141	1 MVIS
702151010051	702151010151	8 PMED
702291010041	702291010191	8 PMED
702421050011	702421050181	8 PMED
702421050011	702421050191	8 PMED
702421050011	702421050201	8 PMED
702421050011	702421050211	8 PMED
702441010071	702441010891	8 PMED
702441010071	702441010981	1 MVIS
702441010071	702441011001	1 MVIS
702441010071	702441011131	8 PMED
702441010181	702441010831	8 PMED
702441010181	702441010901	8 PMED
702441010181	702441010991	1 MVIS
702441010181	702441011051	8 PMED
702441010181	702441011171	8 PMED
702751020041	702751020331	8 PMED

<b>CONDIDX</b>	<b>EVNTIDX</b>	<b>EVENTYPE</b>
702751020041	702751020371	1 MVIS
702751020041	702751020431	8 PMED
702751020041	702751020501	8 PMED
702761010011	702761010071	8 PMED
702761010011	702761010081	8 PMED
702761010011	702761010101	8 PMED
702761010011	702761010111	8 PMED
702761010011	702761010121	8 PMED

HC-118I  
Sample SAS Job for Example B  
sample print of work.asclnks - sorted by evntidx

Obs	CONDIDX	EVNTIDX	EVENTYPE
1	700121030011	700121030041	8 PMED
2	700121030011	700121030061	8 PMED
3	700121030011	700121030081	8 PMED
4	700251030011	700251030161	1 MVIS
5	700251030011	700251030171	1 MVIS
6	700251030011	700251030181	1 MVIS
7	700251030011	700251030191	8 PMED
8	700251030011	700251030211	8 PMED
9	700251030011	700251030271	8 PMED
10	700251030011	700251030311	8 PMED
11	700271040031	700271040081	8 PMED
12	700271050061	700271050131	1 MVIS
13	700271050061	700271050151	8 PMED
14	700351020091	700351020421	1 MVIS
15	700351020091	700351020481	8 PMED
16	700351020091	700351020571	1 MVIS
17	700351020091	700351020601	8 PMED
18	700351020091	700351020611	8 PMED
19	700351020091	700351020651	8 PMED
20	700351020091	700351020671	8 PMED
21	700481010071	700481010271	1 MVIS
22	700481010071	700481010291	1 MVIS
23	700481010071	700481010311	8 PMED
24	700481010071	700481010371	8 PMED
25	700481010071	700481010441	8 PMED
26	700481010071	700481010521	8 PMED
27	700701040051	700701040121	3 EROM
28	700701040051	700701040131	8 PMED
29	700991010041	700991010201	8 PMED
30	700991010041	700991010261	8 PMED
31	701131060041	701131060711	1 MVIS
32	701131060041	701131060761	8 PMED
33	701131060041	701131060771	8 PMED
34	701461010041	701461010071	8 PMED
35	701461010041	701461010081	8 PMED
36	701461010041	701461010091	8 PMED
37	701461010041	701461010101	8 PMED
38	701461010041	701461010111	8 PMED
39	701461010041	701461010121	8 PMED
40	701461010041	701461010131	8 PMED
41	701461010041	701461010141	8 PMED
42	701461010041	701461010151	8 PMED
43	701641030011	701641030091	1 MVIS
44	701641030011	701641030101	8 PMED
45	701981010011	701981010061	1 MVIS
46	701981010011	701981010081	8 PMED
47	701981010011	701981010121	8 PMED
48	702051030011	702051030081	8 PMED
49	702151010051	702151010121	1 MVIS
50	702151010051	702151010131	1 MVIS

HC-118I  
 Sample SAS Job for Example B  
 sample print of unique evtidxs from work.asclnks

Obs	EVNTIDX	EVENTYPE
1	700121030041	8 PMED
2	700121030061	8 PMED
3	700121030081	8 PMED
4	700251030161	1 MVIS
5	700251030171	1 MVIS
6	700251030181	1 MVIS
7	700251030191	8 PMED
8	700251030211	8 PMED
9	700251030271	8 PMED
10	700251030311	8 PMED
11	700271040081	8 PMED
12	700271050131	1 MVIS
13	700271050151	8 PMED
14	700351020421	1 MVIS
15	700351020481	8 PMED
16	700351020571	1 MVIS
17	700351020601	8 PMED
18	700351020611	8 PMED
19	700351020651	8 PMED
20	700351020671	8 PMED
21	700481010271	1 MVIS
22	700481010291	1 MVIS
23	700481010311	8 PMED
24	700481010371	8 PMED
25	700481010441	8 PMED
26	700481010521	8 PMED
27	700701040121	3 EROM
28	700701040131	8 PMED
29	700991010201	8 PMED
30	700991010261	8 PMED
31	701131060711	1 MVIS
32	701131060761	8 PMED
33	701131060771	8 PMED
34	701461010071	8 PMED
35	701461010081	8 PMED
36	701461010091	8 PMED
37	701461010101	8 PMED
38	701461010111	8 PMED
39	701461010121	8 PMED
40	701461010131	8 PMED
41	701461010141	8 PMED
42	701461010151	8 PMED
43	701641030091	1 MVIS
44	701641030101	8 PMED
45	701981010061	1 MVIS
46	701981010081	8 PMED
47	701981010121	8 PMED
48	702051030081	8 PMED
49	702151010121	1 MVIS
50	702151010131	1 MVIS

HC-118I  
Sample SAS Job for Example B  
sample print of work.aspmeds  
FMED (HC-118A) records which link to condition records coded as asthma

LINKIDX	RXRECIDX	RXNAME	RXXP08X	PERWT08F
700121030041	700121030041001	ADVAIR DISKUS 100/50	148.71	4062.46
700121030061	700121030061001	ADVAIR DISKUS 100/50	148.71	4062.46
700121030081	700121030081001	ADVAIR DISKUS 100/50	155.22	4062.46
700121030081	700121030081002	ADVAIR DISKUS 100/50	155.22	4062.46
700121030081	700121030081003	ADVAIR DISKUS 100/50	155.22	4062.46
700251030191	700251030191001	XOPENEX (PF)	84.87	3160.81
700251030211	700251030211001	FLOVENT DISKUS	120.85	3160.81
700251030271	700251030271001	XOPENEX (PF)	157.14	3160.81
700251030271	700251030271002	XOPENEX (PF)	157.14	3160.81
700251030271	700251030271003	XOPENEX (PF)	157.14	3160.81
700251030311	700251030311001	ALBUTEROL	20.99	3160.81
700251030311	700251030311002	ALBUTEROL	20.99	3160.81
700271040081	700271040081001	PROVERA	32.36	1048.23
700271050151	700271050151001	XOPENEX HFA (200 ACTUATIONS)	52.63	1840.44
700351020481	700351020481001	TEMAZEPAM	5.57	9219.77
700351020481	700351020481002	TEMAZEPAM	5.57	9219.77
700351020481	700351020481003	TEMAZEPAM	5.57	9219.77
700351020481	700351020481004	TEMAZEPAM	5.57	9219.77
700351020481	700351020481005	TEMAZEPAM	5.57	9219.77
700351020601	700351020601001	SYMBICORT	170.29	9219.77
700351020601	700351020601002	SYMBICORT	170.29	9219.77
700351020611	700351020611001	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020611	700351020611002	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020611	700351020611003	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020611	700351020611004	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020651	700351020651001	ALBUTEROL	34.85	9219.77
700351020651	700351020651002	ALBUTEROL	34.85	9219.77
700351020651	700351020651003	ALBUTEROL	34.85	9219.77
700351020651	700351020651004	ALBUTEROL	34.85	9219.77
700351020671	700351020671001	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700351020671	700351020671002	SPIRIVA (W/ HANDIHALER)	147.06	9219.77
700481010311	700481010311001	PROVENTIL HFA (M.D.I.)	113.33	9913.13
700481010311	700481010311002	PROVENTIL HFA (M.D.I.)	113.33	9913.13
700481010371	700481010371001	FLOVENT HFA (WITH DOSE COUNTER)	243.38	9913.13
700481010371	700481010371002	FLOVENT HFA (WITH DOSE COUNTER)	243.38	9913.13
700481010441	700481010441001	PROVENTIL HFA (M.D.I.)	113.33	9913.13
700481010441	700481010441002	PROVENTIL HFA (M.D.I.)	113.33	9913.13
700481010521	700481010521001	FLOVENT HFA (WITH DOSE COUNTER)	243.38	9913.13
700481010521	700481010521002	FLOVENT HFA (WITH DOSE COUNTER)	243.38	9913.13
700701040131	700701040131001	APAP	2.85	3794.45
700991010201	700991010201001	COMBIVENT	190.22	13330.21
700991010201	700991010201002	COMBIVENT	190.22	13330.21
700991010201	700991010201003	COMBIVENT	190.22	13330.21
700991010201	700991010201004	COMBIVENT	190.22	13330.21
700991010201	700991010201005	COMBIVENT	190.22	13330.21
700991010261	700991010261001	COMBIVENT	207.17	13330.21
700991010261	700991010261002	COMBIVENT	206.31	13330.21
700991010261	700991010261003	COMBIVENT	206.92	13330.21
700991010261	700991010261004	COMBIVENT	206.92	13330.21
700991010261	700991010261005	COMBIVENT	206.92	13330.21
701131060761	701131060761001	ALBUTEROL	51.56	13503.65
701131060761	701131060761002	ALBUTEROL	50.22	13503.65
701131060761	701131060761003	ALBUTEROL	50.22	13503.65
701131060771	701131060771001	FLOVENT HFA	181.78	13503.65
701131060771	701131060771002	FLOVENT HFA	181.78	13503.65
701131060771	701131060771003	FLOVENT HFA	181.78	13503.65
701131060771	701131060771004	FLOVENT HFA	184.88	13503.65
701131060771	701131060771005	FLOVENT HFA	181.78	13503.65
701461010071	701461010071001	ALBUTEROL	19.46	7744.44
701461010071	701461010071002	ALBUTEROL	19.46	7744.44
701461010071	701461010071003	ALBUTEROL	19.46	7744.44
701461010081	701461010081001	SINGULAIR (UNIT OF USE)	36.44	7744.44
701461010081	701461010081002	SINGULAIR	30.00	7744.44
701461010081	701461010081003	SINGULAIR	30.00	7744.44
701461010091	701461010091001	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010091	701461010091002	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010091	701461010091003	DUONEB (VIAL,U.D.)	38.03	7744.44

LINKIDX	RXRECIDX	RXNAME	RXXP08X	PERWT08F
701461010101	701461010101001	ALBUTEROL	19.46	7744.44
701461010101	701461010101002	ALBUTEROL	19.46	7744.44
701461010101	701461010101003	ALBUTEROL	19.46	7744.44
701461010101	701461010101004	ALBUTEROL	19.46	7744.44
701461010101	701461010101005	ALBUTEROL	19.46	7744.44
701461010101	701461010101006	ALBUTEROL	19.46	7744.44
701461010111	701461010111001	SINGULAIR (UNIT OF USE)	36.44	7744.44
701461010111	701461010111002	SINGULAIR (UNIT OF USE)	36.44	7744.44
701461010111	701461010111003	SINGULAIR (UNIT OF USE)	36.44	7744.44
701461010111	701461010111004	SINGULAIR	30.00	7744.44
701461010111	701461010111005	SINGULAIR	30.00	7744.44
701461010111	701461010111006	SINGULAIR	30.00	7744.44
701461010121	701461010121001	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010121	701461010121002	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010121	701461010121003	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010121	701461010121004	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010121	701461010121005	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010121	701461010121006	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010131	701461010131001	ALBUTEROL	22.02	7744.44
701461010131	701461010131002	ALBUTEROL	22.02	7744.44
701461010141	701461010141001	SINGULAIR (UNIT OF USE)	36.44	7744.44
701461010141	701461010141002	SINGULAIR	30.00	7744.44
701461010151	701461010151001	DUONEB (VIAL,U.D.)	38.03	7744.44
701461010151	701461010151002	DUONEB (VIAL,U.D.)	38.03	7744.44
701981010081	701981010081001	PROAIR HFA	32.34	9361.57
701981010121	701981010121001	PROAIR HFA	32.34	9361.57
702051030081	702051030081001	ALBUTEROL SULFATE (PF)	11.08	4810.46
702151010151	702151010151001	SYMBICORT	189.80	10837.01
702151010151	702151010151002	SYMBICORT	189.80	10837.01
702291010191	702291010191001	ADVAIR DISKUS 250/50	186.45	5300.32
702421050181	702421050181001	ALBUTEROL	22.99	4630.20
702421050181	702421050181002	ALBUTEROL	22.99	4630.20
702421050181	702421050181003	ALBUTEROL	22.99	4630.20
702421050181	702421050181004	ALBUTEROL	22.99	4630.20
702421050191	702421050191001	TESSALON PERLES	28.88	4630.20
702421050191	702421050191002	TESSALON PERLES	28.88	4630.20
702421050191	702421050191003	TESSALON PERLES	28.88	4630.20
702421050201	702421050201001	ALBUTEROL	22.99	4630.20
702421050201	702421050201002	ALBUTEROL	22.99	4630.20
702421050201	702421050201003	ALBUTEROL	22.99	4630.20
702421050211	702421050211001	FLOVENT HFA (WITH DOSE COUNTER)	113.09	4630.20
702421050211	702421050211002	FLOVENT HFA (WITH DOSE COUNTER)	113.09	4630.20
702421050211	702421050211003	FLOVENT HFA (WITH DOSE COUNTER)	113.09	4630.20
702441010831	702441010831001	PREDNISONE	2.81	14716.20
702441010831	702441010831002	PREDNISONE	2.81	14716.20
702441010891	702441010891001	ADVAIR DISKUS 250/50	190.96	14716.20
702441010891	702441010891002	ADVAIR DISKUS 250/50	190.96	14716.20
702441010901	702441010901001	ALBUTEROL SULFATE (PF)	15.00	14716.20
702441011051	702441011051001	PREDNISONE	2.12	14716.20
702441011131	702441011131001	ADVAIR DISKUS 250/50	190.96	14716.20
702441011131	702441011131002	ADVAIR DISKUS 250/50	190.96	14716.20
702441011171	702441011171001	TUSSIONEX PENNKINETIC	126.52	14716.20
702751020331	702751020331001	ALBUTEROL	19.28	9972.49
702751020331	702751020331002	ALBUTEROL	22.02	9972.49
702751020431	702751020431001	ALBUTEROL	19.28	9972.49
702751020501	702751020501001	ALBUTEROL	19.28	9972.49
702751020501	702751020501002	ALBUTEROL	22.02	9972.49
702761010071	702761010071001	ADVAIR DISKUS 500/50	150.00	17419.15
702761010081	702761010081001	SINGULAIR (UNIT OF USE)	104.51	17419.15
702761010101	702761010101001	ADVAIR DISKUS 500/50	264.93	17419.15
702761010101	702761010101002	ADVAIR DISKUS 500/50	264.93	17419.15
702761010111	702761010111001	PREDNISONE	10.00	17419.15
702761010121	702761010121001	ZYRTEC	25.00	17419.15
702761010121	702761010121002	ZYRTEC	71.93	17419.15
702761010131	702761010131001	SINGULAIR	326.81	17419.15
702761010131	702761010131002	SINGULAIR	326.81	17419.15
702831011061	702831011061001	ADVAIR HFA	251.36	9248.17
702831011061	702831011061002	ADVAIR HFA	251.36	9248.17
702831011061	702831011061003	ADVAIR HFA	264.93	9248.17
702831011061	702831011061004	ADVAIR HFA	264.93	9248.17
702831011061	702831011061005	ADVAIR HFA	264.93	9248.17
702831011081	702831011081001	ALBUTEROL	19.46	9248.17

LINKIDX	RXRECIDX	RXNAME	RXXP08X	PERWT08F
702831011081	702831011081002	ALBUTEROL	19.46	9248.17
702831011081	702831011081003	ALBUTEROL	19.46	9248.17
702901010251	702901010251001	ALBUTEROL	26.65	2565.23
702901010251	702901010251002	ALBUTEROL	26.65	2565.23
702901010251	702901010251003	ALBUTEROL	26.65	2565.23
702901010251	702901010251004	ALBUTEROL	26.65	2565.23
702901010251	702901010251005	ALBUTEROL	26.65	2565.23
702901010261	702901010261001	ADVAIR DISKUS 500/50	254.33	2565.23
702901010261	702901010261002	ADVAIR DISKUS 500/50	254.33	2565.23
702901010261	702901010261003	ADVAIR DISKUS 500/50	254.33	2565.23
702901010261	702901010261004	ADVAIR DISKUS 500/50	254.33	2565.23
702901010261	702901010261005	ADVAIR DISKUS 500/50	268.06	2565.23
702901010271	702901010271001	SPIRIVA (W/ HANDIHALER)	149.04	2565.23
703041010501	703041010501001	SINGULAIR (UNIT OF USE)	326.81	11530.29
703041010501	703041010501002	SINGULAIR (UNIT OF USE)	326.81	11530.29
703041010511	703041010511001	SEREVENT DISKUS	311.95	11530.29
703041010511	703041010511002	SEREVENT DISKUS	311.95	11530.29
703041010601	703041010601001	SINGULAIR (UNIT OF USE)	326.81	11530.29
703121010321	703121010321001	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010321	703121010321002	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010321	703121010321003	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010321	703121010321004	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010321	703121010321005	ALBUTEROL SULFATE (PF)	43.94	2675.14
703121010331	703121010331001	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010331	703121010331002	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010331	703121010331003	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010331	703121010331004	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010331	703121010331005	IPRATROPIUM BROMIDE (PF)	521.53	2675.14
703121010451	703121010451001	ALBUTEROL SULFATE (PF)	40.00	2675.14
703121010451	703121010451002	ALBUTEROL SULFATE (PF)	40.00	2675.14
703121010451	703121010451003	ALBUTEROL SULFATE (PF)	40.00	2675.14
703121010451	703121010451004	ALBUTEROL SULFATE (PF)	40.00	2675.14
703141010471	703141010471001	PROAIR HFA	96.24	19159.04
703261010261	703261010261001	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361001	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361002	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361003	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361004	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361005	ADVAIR DISKUS 100/50	149.34	3783.89
703261010361	703261010361006	ADVAIR DISKUS 100/50	155.89	3783.89
703261010361	703261010361007	ADVAIR DISKUS 100/50	155.89	3783.89
703261010451	703261010451001	ADVAIR DISKUS 100/50	155.89	3783.89
703261010451	703261010451002	ADVAIR DISKUS 100/50	155.89	3783.89
703261010451	703261010451003	ADVAIR DISKUS 100/50	155.89	3783.89
703341030141	703341030141001	SINGULAIR	107.82	4891.94
703341030141	703341030141002	SINGULAIR	107.82	4891.94
703341030141	703341030141003	SINGULAIR	107.82	4891.94
703341030141	703341030141004	SINGULAIR	107.82	4891.94
703341030141	703341030141005	SINGULAIR	107.82	4891.94
703341030141	703341030141006	SINGULAIR	107.82	4891.94
703341030151	703341030151001	ALBUTEROL SULFATE	11.48	4891.94
703341030151	703341030151002	ALBUTEROL SULFATE	11.48	4891.94
703341030151	703341030151003	ALBUTEROL SULFATE	11.48	4891.94
703341030151	703341030151004	ALBUTEROL SULFATE	11.48	4891.94
703341030151	703341030151005	ALBUTEROL SULFATE	11.48	4891.94
703341030151	703341030151006	ALBUTEROL SULFATE	11.48	4891.94
703341030161	703341030161001	PULMICORT RESPULES (5X6)	373.22	4891.94
703341030161	703341030161002	PULMICORT RESPULES (5X6)	373.22	4891.94
703341030161	703341030161003	PULMICORT RESPULES (5X6)	373.22	4891.94
703341030161	703341030161004	PULMICORT RESPULES (5X6)	373.22	4891.94
703341030161	703341030161005	PULMICORT RESPULES (5X6)	373.22	4891.94
703341030161	703341030161006	PULMICORT RESPULES (5X6)	373.22	4891.94
703341040101	703341040101001	SINGULAIR (UNIT OF USE)	102.38	6236.38
703341040101	703341040101002	SINGULAIR (UNIT OF USE)	102.38	6236.38
703341040101	703341040101003	SINGULAIR (UNIT OF USE)	102.38	6236.38
703341040101	703341040101004	SINGULAIR (UNIT OF USE)	102.38	6236.38
703341040101	703341040101005	SINGULAIR (UNIT OF USE)	102.38	6236.38
703341040101	703341040101006	SINGULAIR (UNIT OF USE)	102.38	6236.38
703341040111	703341040111001	PULMICORT RESPULES (5X6)	373.22	6236.38
703341040111	703341040111002	PULMICORT RESPULES (5X6)	373.22	6236.38
703341040111	703341040111003	PULMICORT RESPULES (5X6)	373.22	6236.38
703341040111	703341040111004	PULMICORT RESPULES (5X6)	373.22	6236.38



LINKIDX	RXRECIDX	RXNAME	RXXP08X	PERWT08F
703341040111	703341040111005	PULMICORT RESPULES (5X6)	373.22	6236.38
703341040111	703341040111006	PULMICORT RESPULES (5X6)	373.22	6236.38
703341040121	703341040121001	ALBUTEROL SULFATE	18.99	6236.38
703341040121	703341040121002	ALBUTEROL SULFATE	18.99	6236.38
703341040121	703341040121003	ALBUTEROL SULFATE	18.99	6236.38
703341040121	703341040121004	ALBUTEROL SULFATE	18.99	6236.38
703341040121	703341040121005	ALBUTEROL SULFATE	18.99	6236.38
703341040121	703341040121006	ALBUTEROL SULFATE	18.99	6236.38
703561020021	703561020021001	PROAIR HFA	20.00	3379.73
703561020031	703561020031001	SYMBICORT	167.04	3379.73
703601010171	703601010171001	SPIRIVA (W/HANDIHALER)	146.81	10819.95
703601010191	703601010191001	ALBUTEROL	26.99	10819.95
703601010231	703601010231001	ALBUTEROL	22.02	10819.95
703651030201	703651030201001	ALBUTEROL SULFATE HFA	29.54	10572.43
703651030251	703651030251001	ALBUTEROL SULFATE HFA	29.54	10572.43
703651030251	703651030251002	ALBUTEROL SULFATE HFA	29.54	10572.43
703651030261	703651030261001	PREDNISONE	5.74	10572.43
703651030261	703651030261002	PREDNISONE	5.74	10572.43
703651030331	703651030331001	SINGULAIR (UNIT OF USE)	111.53	10572.43
703651030331	703651030331002	SINGULAIR (UNIT OF USE)	111.53	10572.43
703651030331	703651030331003	SINGULAIR (UNIT OF USE)	111.53	10572.43
703651030331	703651030331004	SINGULAIR (UNIT OF USE)	111.53	10572.43
703651030331	703651030331005	SINGULAIR (UNIT OF USE)	111.53	10572.43
703821030052	703821030052001	SINGULAIR (UNIT OF USE)	103.85	6538.26
703821030092	703821030092001	SINGULAIR (UNIT OF USE)	103.85	6538.26
703821030092	703821030092002	SINGULAIR (UNIT OF USE)	103.85	6538.26
703821030092	703821030092003	SINGULAIR (UNIT OF USE)	103.85	6538.26
703821030092	703821030092004	SINGULAIR (UNIT OF USE)	103.85	6538.26
703821030092	703821030092005	SINGULAIR (UNIT OF USE)	103.85	6538.26
703821030092	703821030092006	SINGULAIR (UNIT OF USE)	103.85	6538.26
703821030102	703821030102001	PROAIR HFA	38.50	6538.26
703821030102	703821030102002	PROAIR HFA	38.50	6538.26
703881010231	703881010231001	ADVAIR DISKUS 100/50	155.95	8001.77
703881010231	703881010231002	ADVAIR DISKUS 100/50	155.95	8001.77
703881010231	703881010231003	ADVAIR DISKUS 100/50	155.95	8001.77
704101010421	704101010421001	IPRATROPIUM BROMIDE (WITH METERED SPRAY PUMP)	20.75	7324.60
704281010831	704281010831001	PROAIR HFA	34.45	15545.99
704281010831	704281010831002	PROAIR HFA	39.22	15545.99
704281010831	704281010831003	PROAIR HFA	39.22	15545.99
704281020411	704281020411001	ALBUTEROL	19.18	12968.13
704281020421	704281020421001	FLOVENT HFA	112.25	12968.13
704311050131	704311050131001	ALBUTEROL	19.46	7093.50
704311050141	704311050141001	PULMICORT RESPULES (5X6)	178.74	7093.50
704641040051	704641040051001	ALBUTEROL SULFATE	10.99	5978.43
704641040051	704641040051002	ALBUTEROL SULFATE	10.99	5978.43
704781020201	704781020201001	FLOVENT HFA	115.26	15276.22
704781020211	704781020211001	SINGULAIR (UNIT OF USE)	106.53	15276.22
704781020341	704781020341001	FLOVENT HFA	365.06	15276.22
704781020481	704781020481001	ALBUTEROL	25.86	15276.22
704781020491	704781020491001	PULMICORT FLEXHALER	123.27	15276.22
704921020251	704921020251001	SODIUM CHLORIDE	19.95	25608.94
704961020371	704961020371001	ADVAIR DISKUS 100/50	157.24	2200.26
704961020501	704961020501001	ADVAIR DISKUS 100/50	157.24	2200.26
704961020611	704961020611001	PROAIR HFA	30.00	2200.26
704961020611	704961020611002	PROAIR HFA	30.00	2200.26
704961020611	704961020611003	PROAIR HFA	30.00	2200.26
704961020611	704961020611004	PROAIR HFA	30.00	2200.26
704961020621	704961020621001	SPIRIVA (W/ HANDIHALER)	150.82	2200.26
705121020431	705121020431001	FLOVENT HFA (WITH DOSE COUNTER)	85.64	10239.60
705121020441	705121020441001	PROAIR HFA	32.08	10239.60
705551030051	705551030051001	AEROCHAMBER	37.29	5229.16
705671010311	705671010311001	SINGULAIR	30.00	3682.77
705671010321	705671010321001	ADVAIR DISKUS 250/50	381.92	3682.77
705671010381	705671010381001	PREDNISONE	2.95	3682.77
705671010441	705671010441001	ACCOLATE	271.15	3682.77
705671010451	705671010451001	ADVAIR DISKUS 100/50	471.73	3682.77
705711010351	705711010351001	ALBUTEROL	27.15	5454.32
705751020311	705751020311001	IPRATROPIUM BROMIDE (VIAL,PF)	31.50	7097.32
705751020311	705751020311002	IPRATROPIUM BROMIDE (VIAL,PF)	31.50	7097.32
705751020461	705751020461001	ALBUTEROL SULFATE (VIAL)	23.85	7097.32
705751020461	705751020461002	ALBUTEROL SULFATE (VIAL)	11.93	7097.32
705751020481	705751020481001	ADVAIR DISKUS 500/50	250.83	7097.32

LINKIDX	RXRECIDX	RXNAME	RXXP08X	PERWT08F
705751020481	705751020481002	ADVAIR DISKUS 500/50	250.83	7097.32
705751020481	705751020481003	ADVAIR DISKUS 500/50	752.50	7097.32
705841012181	705841012181001	PREDNISONE	10.00	9597.15
705841012181	705841012181002	PREDNISONE	10.00	9597.15
705841012241	705841012241001	SINGULAIR (UNIT OF USE)	104.97	9597.15
705841012241	705841012241002	SINGULAIR (UNIT OF USE)	104.97	9597.15
705841012241	705841012241003	SINGULAIR (UNIT OF USE)	104.97	9597.15
705841012241	705841012241004	SINGULAIR (UNIT OF USE)	104.97	9597.15
705841012241	705841012241005	SINGULAIR (UNIT OF USE)	104.97	9597.15
705841012241	705841012241006	SINGULAIR (UNIT OF USE)	104.97	9597.15
706111020641	706111020641001	ADVAIR DISKUS 250/50	190.96	6402.33
706111020641	706111020641002	ADVAIR DISKUS 250/50	190.96	6402.33
706111020641	706111020641003	ADVAIR DISKUS 250/50	190.96	6402.33
706111020641	706111020641004	ADVAIR DISKUS 250/50	190.96	6402.33
706111020641	706111020641005	ADVAIR DISKUS 250/50	190.96	6402.33
706141010841	706141010841001	SPIRIVA	463.67	9565.65
706141010841	706141010841002	SPIRIVA	463.67	9565.65

HC-118I  
Sample SAS Job for Example B  
Total Rx expenditures associated with asthma

<b>Analysis Variable : RXXP08X SUM OF PAYMENTS RXSF08X-RXOU08X (IMPUTED)</b>	
<b>N</b>	<b>Sum</b>
9502	973811.50

HC-118I  
Sample SAS Job for Example B  
Total Rx expenditures associated with asthma

Weighted

<b>Analysis Variable : RXXP08X SUM OF PAYMENTS RXSF08X-RXOU08X (IMPUTED)</b>	
<b>N</b>	<b>Sum</b>
9502	10805849221

NOTE: Copyright (c) 2002-2008 by SAS Institute Inc., Cary, NC, USA.  
 NOTE: SAS (r) Proprietary Software 9.2 (TS2M3)  
 Licensed to WESTAT INC, Site 70006348.  
 NOTE: This session is executing on the XP\_PRO platform.

NOTE: SAS initialization used:  
 real time 0.64 seconds  
 cpu time 0.42 seconds

NOTE: AUTOEXEC processing beginning; file is C:\Program Files\SAS92\SASFoundation\9.2\autoexec.sas.

NOTE: DATA statement used (Total process time):  
 real time 0.01 seconds  
 cpu time 0.01 seconds

I:\SASTRACE\TRACE92\

NOTE: DATA statement used (Total process time):  
 real time 0.07 seconds  
 cpu time 0.01 seconds

NOTE: AUTOEXEC processing completed.

1 ods rtf file = 'c:\sampleC.rtf' bodytitle;

NOTE: Writing RTF Body file: c:\sampleC.rtf

2

3 ods noproctitle;

4

5 OPTIONS LS=132 PS=59;

6

7 TITLE1 "HC-118I";

8 TITLE2 "Sample SAS Job for Example C";

9

10 LIBNAME IN "C:\Data";

NOTE: Libref IN was successfully assigned as follows:

Engine: V9  
 Physical Name: C:\Data

11

12 \*\*\*\*\*

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

14 \*\*\*\*\*;

15 PROC FORMAT;

16 VALUE EVENTYPE

17 1 = "1 MVIS"

18 2 = "2 OPAT"

19 3 = "3 EROM"

20 4 = "4 STAZ"

21 5 = "5 DVIS"

22 6 = "6 OMED"

23 7 = "7 HVIS"

```
24           8 = "8 PMED";
NOTE: Format EVENTYPE has been output.
25           RUN;
```

```
NOTE: PROCEDURE FORMAT used (Total process time):
      real time      0.07 seconds
      cpu time       0.01 seconds
```

```
26
27           *-----
28           * Get conditions records coded as asthma.
29           *-----;
30           DATA ASCONDS;
31             SET IN.H120 (KEEP=CONDIDX CCCODEX);
32             IF CCCODEX="128";
33           RUN;
```

```
NOTE: There were 102169 observations read from the data set IN.H120.
NOTE: The data set WORK.ASCONDS has 2100 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time      0.03 seconds
      cpu time       0.03 seconds
```

```
34
35           *-----
36           * Get the events linked to each of the asthma condition records.
37           *-----;
38           PROC SORT DATA=ASCONDS; BY CONDIDX; RUN;
```

```
NOTE: There were 2100 observations read from the data set WORK.ASCONDS.
NOTE: SAS sort was used.
NOTE: The data set WORK.ASCONDS has 2100 observations and 2 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time      0.01 seconds
      cpu time       0.01 seconds
```

```
39
40           proc print data=asconds (obs=50);
41             title3 "sample print of work.asconds - sorted by condidx";
42             title4 "COND (H120) records where cccodex=128";
43           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      0.04 seconds
      cpu time       0.01 seconds
```

```
44
45           PROC SORT DATA=IN.H118IF1 OUT=CLNK; BY CONDIDX; RUN;
```

```
NOTE: There were 294294 observations read from the data set IN.H118IF1.
NOTE: SAS threaded sort was used.
```

NOTE: The data set WORK.CLNK has 294294 observations and 6 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 2.23 seconds  
cpu time 0.31 seconds

```
46
47 DATA ASCLNKS;
48     MERGE CLNK (IN=INCLNK KEEP=CONDIDX EVNTIDX EVENTYPE)
49           ASCONDS (IN=INASCOND KEEP=CONDIDX);
50     BY CONDIDX;
51     IF INCLNK & INASCOND;
52     RUN;
```

NOTE: There were 294294 observations read from the data set WORK.CLNK.  
NOTE: There were 2100 observations read from the data set WORK.ASCONDS.  
NOTE: The data set WORK.ASCLNKS has 6546 observations and 3 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.07 seconds  
cpu time 0.07 seconds

```
53
54     proc print data=asclnks (obs=75);
55         by condidx;
56         id condidx;
57         format eventype eventype.;
58         title3 "sample print of work.asclnks - sorted by condidx";
59         title4 "events linked to asthma condition records";
60     run;
```

NOTE: There were 75 observations read from the data set WORK.ASCLNKS.  
NOTE: The PROCEDURE PRINT printed pages 2-3.  
NOTE: PROCEDURE PRINT used (Total process time):  
real time 0.62 seconds  
cpu time 0.00 seconds

```
61
62     PROC SORT DATA=ASCLNKS; BY EVNTIDX; RUN;
```

NOTE: There were 6546 observations read from the data set WORK.ASCLNKS.  
NOTE: SAS sort was used.  
NOTE: The data set WORK.ASCLNKS has 6546 observations and 3 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
real time 0.01 seconds  
cpu time 0.01 seconds

```
63
64     proc print data=asclnks (obs=50);
65         format eventype eventype.;
66         title3 "sample print of work.asclnks - sorted by evntidx";
67     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 0.04 seconds  
 cpu time 0.00 seconds

```
68
69     DATA ASCLNKS;
70         SET ASCLNKS (KEEP=EVNTIDX EVENTYPE);
71         BY EVNTIDX;
72         IF FIRST.EVNTIDX;
73     RUN;
```

NOTE: There were 6546 observations read from the data set WORK.ASCLNKS.  
 NOTE: The data set WORK.ASCLNKS has 6543 observations and 2 variables.  
 NOTE: DATA statement used (Total process time):  
 real time 0.00 seconds  
 cpu time 0.00 seconds

```
74
75     proc print data=asclnks (obs=50);
76         format eventype eventype.;
77         title3 "sample print of unique evntidxs from work.asclnks";
78     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 0.04 seconds  
 cpu time 0.00 seconds

```
79
80     *-----
81     * Get non-telephone office based visits (i.e. MVIS events) for persons with positive weights.
82     *-----;
83     DATA MVIS;
84         SET IN.H118G (KEEP=EVNTIDX PERWT08F SEETLKPV OBXP08X);
85         IF PERWT08F > 0 & SEETLKPV NE 2;
86     RUN;
```

NOTE: There were 136460 observations read from the data set IN.H118G.  
 NOTE: The data set WORK.MVIS has 132104 observations and 4 variables.  
 NOTE: DATA statement used (Total process time):  
 real time 0.09 seconds  
 cpu time 0.09 seconds

```
87
88     PROC SORT DATA=MVIS; BY EVNTIDX; RUN;
```

NOTE: There were 132104 observations read from the data set WORK.MVIS.  
 NOTE: SAS threaded sort was used.  
 NOTE: The data set WORK.MVIS has 132104 observations and 4 variables.  
 NOTE: PROCEDURE SORT used (Total process time):  
 real time 0.07 seconds  
 cpu time 0.14 seconds



```

89
90 *-----
91 * Identify MVIS events which were for asthma.
92 *-----;
93 DATA ASMVIS;
94     MERGE ASCLNKS (IN=INASCLNK)
95           MVIS    (IN=INMVIS);
96     BY EVNTIDX;
97     IF INASCLNK & INMVIS;
98     RUN;

```

NOTE: There were 6543 observations read from the data set WORK.ASCLNKS.

NOTE: There were 132104 observations read from the data set WORK.MVIS.

NOTE: The data set WORK.ASMVIS has 1842 observations and 5 variables.

NOTE: DATA statement used (Total process time):

real time	0.15 seconds
cpu time	0.03 seconds

```

99
100 proc print data=asmvis (obs=50);
101     format eventype eventype.;
102     title3 "sample print of work.asmvis";
103     title4 "unique evtidxs from work.asclnks that are non-telephone MVIS (HC-118G) events";
104     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	0.56 seconds
cpu time	0.01 seconds

```

105
106 PROC MEANS DATA=ASMVIS N SUM;
107     VAR OEXP08X;
108     TITLE3 "Total medical visit expenditures (excluding telephone) associated with asthma";
109     RUN;

```

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

NOTE: There were 1842 observations read from the data set WORK.ASMVIS.

NOTE: The PROCEDURE MEANS printed page 7.

NOTE: PROCEDURE MEANS used (Total process time):

real time	0.14 seconds
cpu time	0.00 seconds

```

110
111 PROC MEANS DATA=ASMVIS N SUM;
112     VAR OEXP08X;
113     WEIGHT PERWT08F;
114     TITLE3 "Total medical visit expenditures (excluding telephone) associated with asthma";
115     TITLE5 "Weighted";
116     RUN;

```

NOTE: Multiple concurrent threads will be used to summarize data.  
NOTE: There were 1842 observations read from the data set WORK.ASMVIS.  
NOTE: The PROCEDURE MEANS printed page 8.  
NOTE: PROCEDURE MEANS used (Total process time):  
    real time          0.09 seconds  
    cpu time           0.01 seconds

117  
118     ods rtf close;  
119  
120

NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414  
NOTE: The SAS System used:  
    real time          5.93 seconds  
    cpu time           1.48 seconds

HC-118I  
 Sample SAS Job for Example C  
 sample print of work.asconds - sorted by condidx  
 COND (H120) records where cccodex=128

Obs	CONDIDX	CCCODEX
1	700121030011	128
2	700251010031	128
3	700251030011	128
4	700271030011	128
5	700271040031	128
6	700271050061	128
7	700351020091	128
8	700481010071	128
9	700701040051	128
10	700991010041	128
11	701131060041	128
12	701461010041	128
13	701641030011	128
14	701971030021	128
15	701981010011	128
16	702051030011	128
17	702151010051	128
18	702291010041	128
19	702421050011	128
20	702441010071	128
21	702441010181	128
22	702731030022	128
23	702751020041	128
24	702761010011	128
25	702831010061	128
26	702851010021	128
27	702901010041	128
28	702901010061	128
29	702981040031	128
30	703041010021	128
31	703121010051	128
32	703141010031	128
33	703261010041	128
34	703341030011	128
35	703341040011	128
36	703461030011	128
37	703561020021	128
38	703601010051	128
39	703601030023	128
40	703651030011	128
41	703741010041	128
42	703821030011	128
43	703881010031	128
44	703951010021	128
45	704101010051	128
46	704171010061	128
47	704281010051	128
48	704281020011	128
49	704311050011	128
50	704641040011	128

Sample SAS Job for Example C  
sample print of work.asclnks - sorted by condidx  
events linked to asthma condition records

CONDIDX	EVNTIDX	EVENTYPE
700121030011	700121030041	8 PMED
700121030011	700121030061	8 PMED
700121030011	700121030081	8 PMED
700251030011	700251030161	1 MVIS
700251030011	700251030171	1 MVIS
700251030011	700251030181	1 MVIS
700251030011	700251030191	8 PMED
700251030011	700251030211	8 PMED
700251030011	700251030271	8 PMED
700251030011	700251030311	8 PMED
700271040031	700271040081	8 PMED
700271050061	700271050131	1 MVIS
700271050061	700271050151	8 PMED
700351020091	700351020421	1 MVIS
700351020091	700351020481	8 PMED
700351020091	700351020571	1 MVIS
700351020091	700351020601	8 PMED
700351020091	700351020611	8 PMED
700351020091	700351020651	8 PMED
700351020091	700351020671	8 PMED
700481010071	700481010271	1 MVIS
700481010071	700481010291	1 MVIS
700481010071	700481010311	8 PMED
700481010071	700481010371	8 PMED
700481010071	700481010441	8 PMED
700481010071	700481010521	8 PMED
700701040051	700701040121	3 EROM
700701040051	700701040131	8 PMED
700991010041	700991010201	8 PMED
700991010041	700991010261	8 PMED
701131060041	701131060711	1 MVIS
701131060041	701131060761	8 PMED
701131060041	701131060771	8 PMED
701461010041	701461010071	8 PMED
701461010041	701461010081	8 PMED
701461010041	701461010091	8 PMED
701461010041	701461010101	8 PMED
701461010041	701461010111	8 PMED
701461010041	701461010121	8 PMED
701461010041	701461010131	8 PMED
701461010041	701461010141	8 PMED
701461010041	701461010151	8 PMED
701641030011	701641030091	1 MVIS
701641030011	701641030101	8 PMED
701981010011	701981010061	1 MVIS
701981010011	701981010081	8 PMED
701981010011	701981010121	8 PMED
702051030011	702051030081	8 PMED
702151010051	702151010121	1 MVIS
702151010051	702151010131	1 MVIS
702151010051	702151010141	1 MVIS
702151010051	702151010151	8 PMED
702291010041	702291010191	8 PMED
702421050011	702421050181	8 PMED
702421050011	702421050191	8 PMED
702421050011	702421050201	8 PMED
702421050011	702421050211	8 PMED
702441010071	702441010891	8 PMED
702441010071	702441010981	1 MVIS
702441010071	702441011001	1 MVIS
702441010071	702441011131	8 PMED
702441010181	702441010831	8 PMED
702441010181	702441010901	8 PMED
702441010181	702441010991	1 MVIS
702441010181	702441011051	8 PMED
702441010181	702441011171	8 PMED
702751020041	702751020331	8 PMED

<b>CONDIDX</b>	<b>EVNTIDX</b>	<b>EVENTYPE</b>
702751020041	702751020371	1 MVIS
702751020041	702751020431	8 PMED
702751020041	702751020501	8 PMED
702761010011	702761010071	8 PMED
702761010011	702761010081	8 PMED
702761010011	702761010101	8 PMED
702761010011	702761010111	8 PMED
702761010011	702761010121	8 PMED

HC-118I  
Sample SAS Job for Example C  
sample print of work.asclnks - sorted by evtidx

Obs	CONDIDX	EVNTIDX	EVENTYPE
1	700121030011	700121030041	8 PMED
2	700121030011	700121030061	8 PMED
3	700121030011	700121030081	8 PMED
4	700251030011	700251030161	1 MVIS
5	700251030011	700251030171	1 MVIS
6	700251030011	700251030181	1 MVIS
7	700251030011	700251030191	8 PMED
8	700251030011	700251030211	8 PMED
9	700251030011	700251030271	8 PMED
10	700251030011	700251030311	8 PMED
11	700271040031	700271040081	8 PMED
12	700271050061	700271050131	1 MVIS
13	700271050061	700271050151	8 PMED
14	700351020091	700351020421	1 MVIS
15	700351020091	700351020481	8 PMED
16	700351020091	700351020571	1 MVIS
17	700351020091	700351020601	8 PMED
18	700351020091	700351020611	8 PMED
19	700351020091	700351020651	8 PMED
20	700351020091	700351020671	8 PMED
21	700481010071	700481010271	1 MVIS
22	700481010071	700481010291	1 MVIS
23	700481010071	700481010311	8 PMED
24	700481010071	700481010371	8 PMED
25	700481010071	700481010441	8 PMED
26	700481010071	700481010521	8 PMED
27	700701040051	700701040121	3 EROM
28	700701040051	700701040131	8 PMED
29	700991010041	700991010201	8 PMED
30	700991010041	700991010261	8 PMED
31	701131060041	701131060711	1 MVIS
32	701131060041	701131060761	8 PMED
33	701131060041	701131060771	8 PMED
34	701461010041	701461010071	8 PMED
35	701461010041	701461010081	8 PMED
36	701461010041	701461010091	8 PMED
37	701461010041	701461010101	8 PMED
38	701461010041	701461010111	8 PMED
39	701461010041	701461010121	8 PMED
40	701461010041	701461010131	8 PMED
41	701461010041	701461010141	8 PMED
42	701461010041	701461010151	8 PMED
43	701641030011	701641030091	1 MVIS
44	701641030011	701641030101	8 PMED
45	701981010011	701981010061	1 MVIS
46	701981010011	701981010081	8 PMED
47	701981010011	701981010121	8 PMED
48	702051030011	702051030081	8 PMED
49	702151010051	702151010121	1 MVIS
50	702151010051	702151010131	1 MVIS

HC-118I  
 Sample SAS Job for Example C  
 sample print of unique evtidxs from work.asclnks

Obs	EVNTIDX	EVENTYPE
1	700121030041	8 PMED
2	700121030061	8 PMED
3	700121030081	8 PMED
4	700251030161	1 MVIS
5	700251030171	1 MVIS
6	700251030181	1 MVIS
7	700251030191	8 PMED
8	700251030211	8 PMED
9	700251030271	8 PMED
10	700251030311	8 PMED
11	700271040081	8 PMED
12	700271050131	1 MVIS
13	700271050151	8 PMED
14	700351020421	1 MVIS
15	700351020481	8 PMED
16	700351020571	1 MVIS
17	700351020601	8 PMED
18	700351020611	8 PMED
19	700351020651	8 PMED
20	700351020671	8 PMED
21	700481010271	1 MVIS
22	700481010291	1 MVIS
23	700481010311	8 PMED
24	700481010371	8 PMED
25	700481010441	8 PMED
26	700481010521	8 PMED
27	700701040121	3 EROM
28	700701040131	8 PMED
29	700991010201	8 PMED
30	700991010261	8 PMED
31	701131060711	1 MVIS
32	701131060761	8 PMED
33	701131060771	8 PMED
34	701461010071	8 PMED
35	701461010081	8 PMED
36	701461010091	8 PMED
37	701461010101	8 PMED
38	701461010111	8 PMED
39	701461010121	8 PMED
40	701461010131	8 PMED
41	701461010141	8 PMED
42	701461010151	8 PMED
43	701641030091	1 MVIS
44	701641030101	8 PMED
45	701981010061	1 MVIS
46	701981010081	8 PMED
47	701981010121	8 PMED
48	702051030081	8 PMED
49	702151010121	1 MVIS
50	702151010131	1 MVIS

HC-118I  
 Sample SAS Job for Example C  
 sample print of work.asmviz  
 unique evtntidxs from work.asclnks that are non-telephone MVIS (HC-118G) events

Obs	EVNTIDX	EVENTYPE	SEETLKPV	OBXP08X	PERWT08F
1	700251030161	1 MVIS	1	121.50	3160.81
2	700251030171	1 MVIS	1	37.64	3160.81
3	700251030181	1 MVIS	1	37.64	3160.81
4	700271050131	1 MVIS	1	99.16	1840.44
5	700351020421	1 MVIS	1	76.00	9219.77
6	700351020571	1 MVIS	1	188.03	9219.77
7	700481010271	1 MVIS	1	186.89	9913.13
8	700481010291	1 MVIS	1	246.06	9913.13
9	701131060711	1 MVIS	1	50.63	13503.65
10	701981010061	1 MVIS	1	158.30	9361.57
11	702151010121	1 MVIS	1	1569.17	10837.01
12	702151010131	1 MVIS	1	178.28	10837.01
13	702151010141	1 MVIS	1	48.00	10837.01
14	702441010981	1 MVIS	1	191.00	14716.20
15	702441010991	1 MVIS	1	165.00	14716.20
16	702441011001	1 MVIS	1	242.00	14716.20
17	702751020371	1 MVIS	1	100.57	9972.49
18	702761010141	1 MVIS	1	134.40	17419.15
19	703121010201	1 MVIS	1	63.26	2675.14
20	703121010211	1 MVIS	1	63.26	2675.14
21	703121010221	1 MVIS	1	63.26	2675.14
22	703261010331	1 MVIS	1	85.68	3783.89
23	703261010341	1 MVIS	1	194.02	3783.89
24	703261010421	1 MVIS	1	1330.83	3783.89
25	703561020011	1 MVIS	1	75.00	3379.73
26	703601010211	1 MVIS	1	0.00	10819.95
27	703651030231	1 MVIS	1	124.00	10572.43
28	704281020371	1 MVIS	1	79.14	12968.13
29	704281020381	1 MVIS	1	79.14	12968.13
30	704641040031	1 MVIS	1	189.00	5978.43
31	704781020461	1 MVIS	1	64.31	15276.22
32	704781020471	1 MVIS	1	64.31	15276.22
33	704921020241	1 MVIS	1	107.55	25608.94
34	705121020401	1 MVIS	1	95.00	10239.60
35	705121020421	1 MVIS	1	163.14	10239.60
36	705551030041	1 MVIS	1	17.42	5229.16
37	705671010351	1 MVIS	1	98.00	3682.77
38	705671010361	1 MVIS	1	65.00	3682.77
39	705751020271	1 MVIS	1	215.00	7097.32
40	705841011771	1 MVIS	1	161.28	9597.15
41	705841011781	1 MVIS	1	57.00	9597.15
42	705841012341	1 MVIS	1	46.80	9597.15
43	706601010231	1 MVIS	1	88.56	9964.53
44	706601010241	1 MVIS	1	82.77	9964.53
45	706601010251	1 MVIS	1	88.56	9964.53
46	706601010261	1 MVIS	1	14.19	9964.53
47	706801010391	1 MVIS	1	53.40	8658.20
48	706801010401	1 MVIS	1	53.40	8658.20
49	706801010411	1 MVIS	1	85.60	8658.20
50	706801010421	1 MVIS	1	85.60	8658.20



HC-118I  
Sample SAS Job for Example C  
Total medical visit expenditures (excluding telephone) associated with asthma

<b>Analysis Variable : OBXP08X</b>	
<b>SUM OF OBSF08X - OBOT08X</b>	
<b>(IMPUTED)</b>	
<b>N</b>	<b>Sum</b>
1842	239434.27

HC-118I  
Sample SAS Job for Example C  
Total medical visit expenditures (excluding telephone) associated with asthma  
Weighted

<b>Analysis Variable : OBP08X</b>	
<b>SUM OF OBSF08X - OBOT08X</b>	
<b>(IMPUTED)</b>	
<b>N</b>	<b>Sum</b>
1842	2398721545