

**MEPS HC-037
1999 Medical Conditions**

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A. Data Use Agreement

Individual identifiers have been removed from the macro-data contained in the files on this CD-ROM. 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-I), 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 it was 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.
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 this 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 18 U.S.C. 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

This documentation describes one in a series of public use files from the Medical Expenditure Panel Survey (MEPS). The survey provides a new and extensive data set on the use of health services and health care in the United States.

MEPS is conducted to provide nationally representative estimates of health care use, expenditures, sources of payment, and insurance coverage for the U.S. civilian noninstitutionalized population. MEPS is cosponsored by the Agency for Healthcare Research and Quality (AHRQ) and the National Center for Health Statistics (NCHS).

MEPS is a family of three surveys. The Household Component (HC) is the core survey and forms the basis for the Medical Provider Component (MPC) and part of the Insurance Component (IC). Together these surveys yield comprehensive data that provide national estimates of the level and distribution of health care use and expenditures, support health services research, and can be used to assess health care policy implications.

MEPS is the third in a series of national probability surveys conducted by AHRQ on the financing and use of medical care in the United States. The National Medical Care Expenditure Survey (NMCES) was conducted in 1977, and the National Medical Expenditure Survey (NMES) was conducted in 1987. Since 1996, MEPS has continued this series with design enhancements and efficiencies that provide a more current data resource to capture the changing dynamics of the health care delivery and insurance system.

The design efficiencies incorporated into MEPS are in accordance with the Department of Health and Human Services (DHHS) Survey Integration Plan of June 1995, which focused on consolidating DHHS surveys, achieving cost efficiencies, reducing respondent burden, and enhancing analytical capacities. To advance these goals, MEPS includes linkage with the National Health Interview Survey (NHIS)—a survey conducted by NCHS from which the sample for the MEPS HC is drawn--and enhanced longitudinal data collection for core survey components. The MEPS HC augments NHIS by selecting a sample of NHIS respondents, collecting additional data on their health care expenditures, and linking these data with additional information collected from the respondents' medical providers, employers, and insurance providers.

1.0 Household Component (HC)

The MEPS HC, a nationally representative survey of the U.S. civilian noninstitutionalized population, collects medical expenditure data at both the person and household levels. The HC collects detailed data on demographic characteristics, health conditions, health status, use of medical care services, charges and payments, access to care, satisfaction with care, health insurance coverage, income, and employment.

The HC uses an overlapping panel design in which data are collected through a preliminary contact followed by a series of five rounds of interviews over a 2½-year

period. Using computer-assisted personal interviewing (CAPI) technology, data on medical expenditures and use for 2 calendar years are collected from each household. This series of data collection rounds is launched each subsequent year on a new sample of households to provide overlapping panels of survey data and, when combined with other ongoing panels, will provide continuous and current estimates of health care expenditures.

The sampling frame for the MEPS HC is drawn from respondents to NHIS. NHIS provides a nationally representative sample of the U.S. civilian noninstitutionalized population, with oversampling of Hispanics and blacks.

2.0 Medical Provider Component (MPC)

The MEPS MPC supplements and/or replaces information on medical care events reported in the MEPS HC by contacting medical providers and pharmacies identified by household respondents. The MPC sample includes all home health agencies and pharmacies reported by HC respondents. Office-based physicians, hospitals, and hospital physicians are also included in the MPC but may be subsampled at various rates, depending on burden and resources, in certain years.

Data are collected on medical and financial characteristics of medical and pharmacy events reported by HC respondents. The MPC is conducted through telephone interviews and record abstraction.

3.0 Insurance Component (IC)

The MEPS IC collects data on health insurance plans obtained through private and public-sector employers. Data obtained in the IC include the number and types of private insurance plans offered, benefits associated with these plans, premiums, contributions by employers and employees, and employer characteristics.

Establishments participating in the MEPS IC are selected through three sampling frames:

- A list of employers or other insurance providers identified by MEPS HC respondents who report having private health insurance at the Round 1 interview.
- A Bureau of the Census list frame of private-sector business establishments.
- The Census of Governments from the Bureau of the Census.

To provide an integrated picture of health insurance, data collected from the first sampling frame (employers and other insurance providers identified by MEPS HC respondents) are linked back to data provided by those respondents. Data collected from the two Census Bureau sampling frames are used to produce annual national and State estimates of the supply and cost of private health insurance available to American workers and to evaluate policy issues pertaining to health insurance. National estimates of employer contributions to group health insurance from the MEPS IC are used in the computation of Gross Domestic Product (GDP) by the Bureau of Economic Analysis.

The MEPS IC is an annual panel survey. Data are collected from the selected organizations through a prescreening telephone interview, a mailed questionnaire, and a telephone follow-up for nonrespondents.

4.0 Survey Management

MEPS data are collected under the authority of the Public Health Service Act. They are edited and published in accordance with the confidentiality provisions of this act and the Privacy Act. 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, microdata files, and compendiums of tables. Data are also released through MEPSnet, an online interactive tool developed to give users the ability to statistically analyze MEPS data in real time. Summary reports and compendiums of tables are released as printed documents and electronic files. Microdata files are released on CD-ROM and/or as electronic files.

Printed documents and selected public use file data on CD-ROMs are available through the AHRQ Publications Clearinghouse. Write or call:

AHRQ Publications Clearinghouse
Attn: (publication number)
P.O. Box 8547
Silver Spring, MD 20907
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410-381-3150 (callers outside the United States only)
888-586-6340 (toll-free TDD service; hearing impaired only)

Be sure to specify the AHRQ number of the document or CD-ROM you are requesting. Selected electronic files are available through the Internet on the MEPS Web site:

<http://www.meps.ahrq.gov/>

Additional information on MEPS is available from the MEPS project manager or the MEPS public use data manager at the Center for Cost and Financing Studies, Agency for Healthcare Research and Quality.

C. Technical Information

1.0 General Information

This documentation describes the data contained in MEPS Public Use Release HC-037, which is one in a series of public use data files to be released from 1999 of the Medical Expenditure Panel Survey Household Component (MEPS HC).

Released in ASCII and SAS formats, this public use file provides information on household-reported medical conditions collected on a nationally representative sample of the civilian noninstitutionalized population of the United States for calendar year 1999 MEPS HC.

This file contains 69,897 records. Each record represents one household-reported medical condition reported in the 1999 portion of Round 3, and Rounds 4 and 5 for Panel 3, as well as Rounds 1 and 2 of Panel 4, and the 1999 portion of Round 3 for Panel 4 (i.e., Rounds for MEPS panels covering calendar year 1999).

The following documentation offers a brief overview of the types and levels of data provided, the content and structure of the files and the codebook, and some programming information. It contains the following sections:

Data File Information

Survey Sample Information

Merging MEPS Data Files

Appendices

Variable to Source Crosswalk

Detailed ICD-9 Condition, Procedure, and Clinical Classification Code

Frequencies

List of Priority Conditions

A codebook of all the variables included in the 1999 Medical Conditions File is provided in a separate file (H37CB.PDF). The Readme file contains the programming information.

For more information on MEPS survey design see Cohen, 1997; Cohen 1997; and Cohen 1996. A copy of the survey instrument used to collect this information on this file is available on the MEPS web site: <http://www.meps.ahrq.gov>.

A database of all MEPS products released to date and a variable locator indicating the major MEPS HC data items on public use files that have been released to date can be found at the following link on the MEPS website: www.meps.ahrq.gov/.

2.0 Data File Information

This file contains 69,897 records. Each record represents one household-reported medical condition reported in the 1999 portion of Round 3, and Rounds 4 and 5 for Panel 3, as well as Rounds 1 and 2 of Panel 4, and the 1999 portion of Round 3 for Panel 4 (i.e., Rounds for MEPS panels covering calendar year 1999). Records included on this file met criterion 1 below and one of criteria 2 - 6.

- 1) The condition is reported by a household survey respondent residing in an eligible responding household.
- 2) The condition is reported during Rounds 4 and 5 of Panel 3 or Rounds 1 and 2 of Panels 3; or
- 3) The condition was identified as a priority condition in Panel 3 Rounds 1 or 2 (limited data are available on this file for these records, see Section 2.5.2 for details); or
- 4) The condition is reported in Round 3 of Panel 3 and links to a 1999 medical provider visit or a medication prescribed in 1999; or
- 5) The condition is reported in Round 3 or Panel 4 and links to a 1999 medical provider visit or a medicine prescribed in 1999; or
- 6) The condition is reported in Round 3 for either Panel 3 or Panel 4, does not link to a 1999 medical provider visit or a medication prescribed in 1999, and 50 percent or more of a respondent's reference period occurred in 1999.

For each variable on the file, both weighted and unweighted frequencies are provided in the codebook. Because the conditions identified in this file are derived from self-reports, these data cannot be used to make estimates of disease, prevalence of health conditions, or mortality/morbidity.

Data from this file can be merged with 1999 MEPS person-level data using DUPERSID to append person-level characteristics such as demographic or health insurance characteristics to each record (see Section 4.0 for details). Data from this file also can be merged to 1999 MEPS Medical Provider Event Files (HC-033A, HC-033B, HC-033D through HC-033H) by using the link files provided on HC-033I, File 1 (see HC-033I for details). Since each record represents a single condition reported by household respondents, some household respondents may have multiple medical conditions and thus will be represented on multiple records on this file. Other household respondents may have reported no medical conditions and thus will have no records on this file.

2.1 Codebook Structure

The codebook and data file sequence lists variables in the following order:

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

2.2 Reserved Codes

The following reserved code values are used:

VALUE	DEFINITION
-1 INAPPLICABLE	Question was not asked due to skip pattern.
-7 REFUSED	Question was asked and respondent refused to answer question.
-8 DK	Question was asked and respondent did not know answer.
-9 NOT ASCERTAINED	Interviewer did not record the data.

Generally, -1, -7, -8, and -9 have not been edited on this file. The values of -1 and -9 can be edited by analysts by following the skip patterns in the questionnaire. These reserve codes indicated appropriate responses for skip patterns associated with priority and injury conditions (see HC-018 Sections 2.2 for details.) Priority and injury conditions on the current file did not undergo the extensive editing they did on previous releases of the Medical Conditions file. Data users should note that the reserve codes -11 and -12 are not used on the current file.

2.3 Codebook Format

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

IDENTIFIER	DESCRIPTION
Name	Variable name (maximum of 8 characters)
Description	Variable descriptor (maximum 40 characters)
Format	Number of bytes
Type	Type of data: numeric (indicated by NUM) or character (indicated by CHAR)
Start	Beginning column position of variable in record
End	Ending column position of variable in record

2.4 Variable Naming

In general, variable names reflect the content of the variable, with an 8-character limitation. For questions asked in a specific Round, the end digit in the variable name reflects the Round in which the question was asked. Edited variables end in an “X” and are so noted in the variable label.

Variables contained in this delivery were derived either from the questionnaire itself or from the CAPI. The source of each variable is identified in Appendix 1 entitled “Variable to Source Crosswalk.” Sources for each variable are indicated in one of four ways: (1) variables which are derived from CAPI or assigned in sampling are so indicated; (2) variables derived from complex algorithms associated with re-enumeration are labeled “RE Section”; (3) variables which come from one or more specific questions have those numbers and questionnaire section indicated in the “Source” column; (4) variables constructed from multiple questions using complex algorithms are labeled “Constructed” in the “SOURCE” column.

2.5 File Contents

2.5.1 Identifier Variables (DUID-CONDRN)

The definitions of Dwelling Units (DU s) and Group Quarters in the MEPS-HC are generally consistent with the definitions employed for the National Health Interview Survey (NHIS). The dwelling unit ID (DUID) is a five-digit random number assigned after the case was sampled for MEPS. The person number (PID) uniquely identifies each person within the dwelling unit. The variable DUPERSID uniquely identifies each person represented on the file, and is the combination of the variables DUID and PID. CONDN indicates the condition number as it was reported during the interview for an individual respondent (e.g., condition number 1, 2, 3, etc.) plus a control digit. The

current range for CONDN is 10-386 (1-38 conditions per person). Because some records did not meet the criteria to be included on the file (see Section 2.0) the actual number of records per person represented on the file is 1-31 and CONDN has not been edited. CONDIDX uniquely identifies each condition (i.e., each record on the file), and is the combination of DUPERSID and CONDN.

PANEL99 is a constructed variable used to specify the panel number for the interview. PANEL99 will indicate either Panel 3 or Panel 4.

CONDRN indicates the round in which the condition was first reported. For a small number of cases, conditions that actually began in an earlier round were not reported by respondents until subsequent rounds of data collection. For these cases no editing was performed to reconcile the round in which a condition began and the round that the condition was first reported.

2.5.2 Medical Condition Variables (PRIOLIST-CCCODEX)

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

Priority Conditions and Injuries

Certain conditions were a priori designated as “priority conditions” (PRIOLIST=1) due to their prevalence, expense, or relevance to policy. Some were long-term life-threatening conditions, such as cancer, diabetes, emphysema, high cholesterol, HIV/AIDS, hypertension, ischemic heart disease, and stroke. Others were chronic manageable conditions, including arthritis, asthma, gall bladder disease, stomach ulcers, and back problems of any kind. In addition, Alzheimer’s disease or other dementias, as well as depression and anxiety disorders, were included in the priority list. For a complete listing of “priority conditions” see Appendix 4. Priority conditions were identified as such in the field by MEPS interviewers. Occasionally errors were made and not all priority conditions were identified. Consequently, these records are missing the follow-up questions described below. Likewise, some conditions were inaccurately identified as priority conditions. These records do have follow-up questions even though they are not priority conditions.

When a condition was first mentioned, respondents were asked whether it was due to an accident or an injury (INJURY=1). Some injuries are also priority conditions (e.g. back pain).

Date Priority Condition Began/Accident Occurred

The date a priority condition began (CONDBEGD, CONDBEGM, CONDBEGY) is collected only for conditions that appear on the priority list. The date an accident or injury occurred (ACCDENTD, ACCDENTM, ACCDENTY) is collected only for accident/injury conditions.

Round Specific Questions for Priority Conditions and Injuries

When a respondent first reported a condition on the priority list (PRIOLIST=1) or a condition caused by an injury (INJURY=1), a series of questions regarding health care utilization for that condition and the effect of that condition on the person's overall health was asked. The names of these variables end in 1, 2, 3, 4 or 5 indicating the round in which they were asked. The following questions were asked in the round in which the respondent first reported a priority condition or a condition resulting from an injury.

- a. Whether the respondent ever saw or talked to a doctor about the condition (SEEDREV1 – SEEDREV5).
- b. Whether the latest time a doctor was seen for this condition was before or after the beginning of the reference period for the interview Round (LSTSAW1). This question was asked **only** in Round 1.
- c. Whether the person was still being treated for the condition (STILTR1-STILTR5).
- d. How seriously the condition affected the person's overall health and well-being since it began (OVRALL1-OVRALL5).
- e. Whether the person with the condition himself/herself provided the information, versus being reported by another household member (WHOTYP1 – WHOTYP5).
- f. Whether the health care provider recommended further treatment or consultation for the condition (FURTCA1 – FURTCA5).
- g. How much follow-up care the person received for the condition (all; some; none; or still being treated) (FOLOCA1 – FOLOCA5).
- h. Whether the person saw or talked to a doctor about the condition during the reference period (SEEDREF1 – SEEDREF5). This variable was constructed for priority conditions only.

When a respondent reported a condition that resulted from an accident or injury (INJURY=1) the following information was obtained from respondents during the round in which the injury was first reported.

- a. whether or not the accident/injury occurred at work (ACCDNWRK) – respondents aged 16 and younger were not asked this question and coded ACCDNWRK = 1;
- b. where the accident happened (ACDNTLOC);
- c. if the accident/injury occurred at home, was it inside or outside the house. (INOUTHH);
- d. whether or not the accident involved another vehicle, gun, weapon other than a gun, poison, fire, drowning or near-drowning, sports injury, a fall, something else (VEHICLE, GUN, WEAPON, POISON, FIREBURN, DROWN, SPORTS, FALL, ACDNTOTH);
- e. whether or not the person has fully recovered from the injury (RECOVER);

For priority conditions only, additional information was obtained in rounds subsequent to the one in which the condition was first mentioned. This information was obtained only if there was a medical provider visit or a prescribed medication or a disability day associated with the condition in that round. If this occurred, the condition was “selected” for follow-up questions for the round.

For priority conditions selected in rounds after they were first mentioned, the following questions were asked:

- a. Whether the person saw or talked to a doctor about the condition during the reference period (SEEDREF1 – SEEDREF5).
- b. Whether the person was still being treated for the condition (STILTR1 – STILTR5).
- c. How seriously the condition affected the person’s overall health and well-being since it began (OVRALL1 – OVRALL5).
- d. Whether the person with the condition himself/herself provided the information, versus being reported by another household member (WHOTYP1 – WHOTYP5).

Treatment of Data from Rounds Not Occurring in 1999

For Panel 3, Rounds 1 and 2 occurred in 1997 and are not included on this file unless the condition was identified as a priority condition (see the discussion of PRIOFLG below). For Panel 4, Rounds 4 and 5 occurred in 2000 and are not included on this file. Therefore, round-specific variables for Rounds 1 and 2 of Panel 3 are assigned an inapplicable code (-1) for respondents in Panel 3, and round-specific variables for Rounds 4 and 5 of Panel 4 are assigned an inapplicable code (-1). Data for Rounds 4 and 5 pertain only to Panel 3; data for Rounds 1 and 2 pertain only to Panel 4, and both panels

provide data from Round 3. (Note: PANEL99 must be used to identify whether Round 3 variables were collected in Panel 3 or Panel 4.)

All priority conditions and conditions resulting from an injury that were first reported in Rounds 1 or 2 of Panel 3 have round-specific data for those rounds included on the 1998 Medical Conditions File (HC-027). The variables PRIOFLG and INJURFLG indicate if the condition is “Not a priority/injury condition” (0), whether or not “Additional information is included on the 1998 Medical Condition File” (1), or if “all priority/injury information is included on the current file” (2).

Note: Priority conditions are generally chronic conditions. Even though a respondent may not have reported a medical provider visit, a prescribed medicine or a disability in 1999 due to the condition, analysts should consider that the respondent is probably still experiencing the condition. If a Panel 3 respondent reported a priority condition in Rounds 1 or 2 and did not have a provider visit, a prescribed medicine, or a disability day for the condition in Rounds 3, 4 or 5 of Panel 3, round-specific variables for Rounds 3, 4, and 5 are coded as -1. The only information provided on the current 1999 file is the ICD9CODX, ICD9PROX, and CCCODEX. These records also can be identified if PRIOFLG=1.

Rounds in Which Conditions were Reported/Selected (CRND1 – CRND5)

A set of constructed variables (CRND1 – CRND5) indicate the round in which the condition was first reported, and for subsequent rounds, the round(s) in which a medical provider event, prescription medication, or disability day occurred due to condition. For example, consider a condition for which CRND1 = 0, CRND2 = 1, and CRND3 = 1; this sequence of CRND indicators implies that the condition was not present during Round 1 (CRND1 = 0), was first mentioned during Round 2, and was associated with a medical event during Round 3. These round indicators have not been reconciled with CONDRN. CRND1 – CRND5 are not applicable for most pregnancies, prenatal visits, or deliveries due to the questionnaire design.

Disability Flag Variables

This file contains 3 flag variables indicating whether or not a condition is associated with a missed workday (MISSWORK), a missed school day (MISSSCHL), or a bed day (INBEDFLG). Due to the MEPS instrument design, there is no link indicating the **number** of disability days associated with a particular medical condition.

Diagnosis and Procedure Codes

The medical conditions and procedures reported by the Household Component respondent were recorded by the interviewer as verbatim text, which were then coded to fully-specified 1999 ICD-9-CM codes, including medical condition and V codes (see Health Care Financing Administration, 1980), by professional coders. Although codes were verified and error rates did not exceed 2.5 percent for any coder, analysts should not

presume this level of precision in the data; the ability of household respondents to report condition data that can be coded accurately should not be assumed (see Cox and Iachan, 1987; Edwards, et al, 1994; and Johnson and Sanchez, 1993).

In order to preserve respondent confidentiality, nearly all of the condition codes provided on this file (ICD9CODX) have been collapsed from fully specified codes to 3-digit code categories. Table 1 in Appendix 2 provides a table of unweighted and weighted frequencies for all ICD-9 condition code values reported on the file. In this table, values that reflect this collapsing have an asterisk in the label indicating that the 3-digit category includes all the subclassifications within that category. For example, the ICD9CODX value of 034 “Strep Throat/Scarlet Fev *” includes the fully-specified subclassifications 034.0 and 034.1; the value 296 “Affective Disorders*” includes the fully specified subclassifications 296.0 through 296.99. Less than 1 percent of the records on this file were edited further by collapsing two or more 3-digit codes into one 3-digit code.

Similarly, most of the procedure codes (ICD9PROX) were collapsed from fully specified codes to 2-digit category codes. Table 2 in Appendix 2 provides unweighted and weighted frequencies for ICD9PROX, and this type of collapsing is identified by an asterisk in the variable label. For example, the ICD9PROX value in 81 “Joint Repair*” includes subclassifications 81.0 through 81.99. Some records were further edited to combine 2 or more 2-digit categories.

Users should note that because of the design of the survey, most deliveries (i.e. births) are coded as pregnancies. For more accurate estimates for deliveries analysts should use RSINHOS “Reason Entered Hospital” found on the Hospital Inpatient Stays Public Use File (HC-033D).

Conditions and procedures were reported in the same sections of the HC questionnaire (see Variable-Source Crosswalk in Appendix 1). Labels for all values of the variables ICD9CODX and ICD9PROX, as shown in Tables 1 and 2, are provided in the SAS programming statements included in this release (see the HC-035SU.TXT file).

Clinical Classification Codes

ICD-9-CM condition codes have been aggregated into clinically meaningful categories that group similar conditions (CCCODEX). CCCODEX was generated using Clinical Classification Software (formerly known as Clinical Classifications for Health Care Policy Research (CCHPR)), (Elixhauser, et al., 1999), which aggregates conditions and V-codes into 259 mutually exclusive categories, most of which are clinically homogeneous. Appendix 3 lists the ICD-9-CM codes that have been aggregated for each clinical classification category. Note that the reported ICD-9-CM code values were mapped to the appropriate clinical classification category prior to being collapsed to 3-digit ICD-9 codes. For confidentiality purposes a small number (less than 2 percent) of clinical classification codes have been edited. Table 3 in Appendix 2 provides weighted and unweighted frequencies for CCCODEX. Labels for all values of the variable

CCCODEX, as shown in Table 3, are provided in the SAS programming statements included in this release (see the HC-035SU.TXT file).

2.5.3 Utilization Variables (OBNUM – RXNUM)

The variables are OBNUM, OPNUM, HHNUM, DNNUM, HSNUM, ERNUM, and RXNUM indicate the total number of 1999 medical provider events that can be linked to each condition record on the current file for each event type, i.e., office-based, outpatient, home health, dental, hospital stays, emergency room visits, and prescribed medicines, respectively.

These counts of events were derived from Medical Provider Event Public Use Files (HC-033A, HC-033B and HC-033D - HC-033H). Medical provider events associated with conditions include all utilization that occurred between January 1, 1999 and December 31, 1999.

Because persons can be seen for more than one condition per visit, these frequencies will not match the person- or event-level utilization counts. For example, if a person had one hospital stay and was treated for a fractured hip and a fractured shoulder and a concussion, each of these conditions has a unique record and HSNUM=1 for each record. If you sum HSNUM for these records, then the total hospital stays would be 3 when actually there was only 1 hospital stay for that person and 3 conditions were treated. These variables are useful if you wanted to know the number of hospitals for head injuries, hip fractures, etc.

3.0 Sample Weights and Variance Estimation Variables (PERWT99F-VARPSU98)

3.1 Overview

There is a single full year person-level weight (PERWT99F) assigned to each record for each key, in-scope person who responded to MEPS for the full period of time that he or she was in-scope during 1999. A key person either was a member of an NHIS household at the time of the NHIS interview, or became a member of such a household after being out-of-scope at the time of the NHIS (examples of the latter situation include newborns and persons returning from military service, an institution, or living outside the United States). A person is in-scope whenever he or she is a member of the civilian noninstitutionalized portion of the U.S. population.

3.2 Details on Person Weights Construction

The person-level weight PERWT99F was developed in three stages. A person level weight for Panel 4 was created, including both an adjustment for nonresponse over time and poststratification, controlling to Current Population Survey (CPS) population estimates based on five variables. Variables used in the establishment of person-level poststratification control figures included: census region (Northeast, Midwest, South,

West); MSA status (MSA, non-MSA); race/ethnicity (Hispanic, black but non-Hispanic, and other); sex; and age. Then a person level weight for Panel 3 was created, again including an adjustment for nonresponse over time and poststratification, again controlling to CPS population estimates based on the same five variables. When poverty status information derived from income variables became available, a 1999 composite weight was formed from the Panel 3 and Panel 4 weights by multiplying the Panel weights by .5. Then a final poststratification was done on this composite weight variable, including poverty status (below poverty, from 100 to 125 percent of poverty, from 125 to 200 percent of poverty, from 200 to 400 percent of poverty, at least 400 percent of poverty) as well as the original five poststratification variables in the establishment of control totals.

3.2.1 MEPS Panel 3 Weight

The person level weight for MEPS Panel 3 was developed using the 1998 full year weight for an individual as a “base” weight for survey participants present in 1998. For key, in-scope respondents who joined a RU some time in 1999 after being out of scope in 1998, the 1998 family weight associated with the family the person joined served as a “base” weight. The weighting process included an adjustment for nonresponse over Rounds 4 and 5 as well as poststratification to population control figures for December 1999. These control figures were derived by scaling back the population totals obtained from the March 1999 CPS to reflect the December, 1999 CPS estimated population distribution across age and sex categories as of December, 1999. Variables used in the establishment of person level poststratification control figures included: census region (Northeast, Midwest, South, West); MSA status (MSA, non-MSA); race/ethnicity (Hispanic, black but non-Hispanic, and other); sex, and age. Overall, the weighted population estimate for the civilian, noninstitutionalized population on December 31, 1999 is 273,003,778. Key, responding persons not in-scope on December 31, 1999 but in-scope earlier in the year retained, as their final Panel 3 weight, the weight after the nonresponse adjustment.

3.2.2 MEPS Panel 4 Weight

The person level weight for MEPS Panel 4 was developed using the MEPS Round 1 person-level weight as a “base” weight. For key, in-scope respondents who joined a RU after Round 1, the Round 1 family weight served as a “base” weight. The weighting process included an adjustment for nonresponse over Round 2 and the 1999 portion of Round 3 as well as poststratification to the same population control figures for December 1999 used for the MEPS Panel 3 weights. The same five variables employed for Panel 3 poststratification (census region, MSA status, race/ethnicity, sex, and age) were used for Panel 4 poststratification. Similarly, for Panel 4, key, responding persons not in-scope on December 31, 1999 but in-scope earlier in the year retained, as their final Panel 4 weight, the weight after the nonresponse adjustment.

Note that the MEPS round 1 weights (for both panels with one exception as noted below) incorporated the following components: the original household probability of selection for the NHIS; ratio-adjustment to NHIS-based national population estimates at the

household (occupied dwelling unit) level; adjustment for nonresponse at the dwelling unit level for Round 1; and poststratification to figures at the family and person level obtained from the March 1999 CPS data base.

3.2.3 The Final Weight for 1999

Variables used in the establishment of person level poststratification control figures included: poverty status (below poverty, from 100 to 125 percent of poverty, from 125 to 200 percent of poverty, from 200 to 400 percent of poverty, at least 400 percent of poverty); census region (Northeast, Midwest, South, West); MSA status (MSA, non-MSA); race/ethnicity (Hispanic, black but non-Hispanic, and other); sex, and age. Overall, the weighted population estimate for the civilian, noninstitutionalized population for December 31, 1999 is 273,003,778 (PERWT99F>0 and INSC1231=1). The inclusion of key, in-scope persons who were not in-scope on December 31, 1999 brings the estimated total number of persons represented by the MEPS respondents over the course of the year up to 276,410,767 (PERWT99F>0). The weighting process included poststratification to population totals obtained from the 1996 MEPS Nursing Home Component for the number of individuals admitted to nursing homes. For the 1999 full year file an additional poststratification was done to population totals obtained from the 1998 Medicare Current Beneficiary Survey (MCBS) for the number of deaths among Medicare beneficiaries experienced in the 1999 MEPS.

3.3 Coverage

The target population for MEPS in this file is the 1999 U.S. civilian, noninstitutionalized population. However, the MEPS sampled households are a subsample of the NHIS households interviewed in 1998 (Panel 3) and 1999 (Panel 4). New households created after the NHIS interviews for the respective Panels and consisting exclusively of persons who entered the target population after 1998 (Panel 3) or after 1999 (Panel 4) are not covered by MEPS. These would include families consisting solely of: immigrants; persons leaving the military; U.S. citizens returning from residence in another country; and persons leaving institutions. It should be noted that this set of uncovered persons constitutes only a tiny proportion of the MEPS target population

3.4 Variance Estimation

To obtain estimates of variability (such as the standard error of sample estimates or corresponding confidence intervals) for estimates based on MEPS survey data, one needs to take into account the complex sample design of MEPS. Various approaches can be used to develop such estimates of variance including use of the Taylor series or various replication methodologies. Replicate weights have not been developed for the MEPS 1999 data. Variables needed to implement a Taylor series estimation approach are provided in the file and are described in the paragraph below.

Using a Taylor Series approach, variance estimation strata and the variance estimation PSUs within these strata must be specified. The corresponding variables on the MEPS full year utilization database are VARSTR99 and VARPSU99, respectively. Specifying a

“with replacement” design in a computer software package such as SUDAAN (Shah, 1996) should provide standard errors appropriate for assessing the variability of MEPS survey estimates. It should be noted that the number of degrees of freedom associated with estimates of variability indicated by such a package may not appropriately reflect the actual number available. For MEPS sample estimates for characteristics generally distributed throughout the country (and thus the sample PSUs), there are over 100 degrees of freedom associated with the corresponding estimates of variance.

4.0 Merging MEPS Data Files

Data from the current file can be used alone or in conjunction with other files. Merging characteristics of interest from person-level files expands the scope of potential estimates. See HC-033I for instructions on merging the condition file to the Medical Event Files. Person-level characteristics can be merged to the condition file using the following procedure:

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

```
PROC SORT DATA=PERS(KEEP=DUPERSID AGE SEX EDUC)
OUT=PERX; BY DUPERSID;
RUN;
```

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

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

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Appendix 1

FOR MEPS PUBLIC USE RELEASE HC-037

UNIQUE IDENTIFIER VARIABLES

VARIABLE	LABEL	SOURCE ¹
DUID	Dwelling Unit ID (DU)	Assigned in Sampling
PID	Person Number (PN)	Assigned in Sampling
DUPERSID	Sample person ID (DU + PN)	Assigned in Sampling
CONDN	Condition Number	CAPI Derived
CONDIDX	Cond ID Key: DUID + Counter (3) + CONDN	CAPI Derived
PANEL99	Panel Number	Constructed
CONDRN	Condition Round Number	CAPI Derived

MEDICAL CONDITION VARIABLES

VARIABLE	LABEL	SOURCE
PRIOLIST	Is Condition On Priority List	CN02
CONDBEGD	Date Condition Started --Day	CN05
CONDBEGM	Date Condition Started --Month	CN05
CONDBEGY	Date Condition Started --Year	CN05
SEEDREV1	RD1: Ever See/Talk to Dr. About Condition	CN03, CN07
SEEDREV2	RD2: Ever See/Talk to Dr. About Condition	CN03, CN07
SEEDREV3	RD3: Ever See/Talk to Dr. About Condition	CN03, CN07
SEEDREV4	RD4: Ever See/Talk to Dr. About Condition	CN03, CN07
SEEDREV5	RD5: Ever See/Talk to Dr. About Condition	CN03, CN07
LSTSAW1	RD1: When Was Last Time Dr. Was Seen	CN04 (Edited)
STILTR1	RD1: Is Person Still Treated For Condition	CN11, CN18 (Edited)
STILTR2	RD2: Is Person Still Treated For Condition	CN11, CN18 (Edited)
STILTR3	RD3: Is Person Still Treated For Condition	CN11, CN18 (Edited)
STILTR4	RD4: Is Person Still Treated For Condition	CN11, CN18 (Edited)
STILTR5	RD5: Is Person Still Treated For Condition	CN11, CN18 (Edited)
OVRALL1	RD1: How Did Condition Affect Overall Health	CN13, CN19 (Edited)
OVRALL2	RD2: How Did Condition Affect Overall Health	CN13, CN19 (Edited)
OVRALL3	RD3: How Did Condition Affect Overall Health	CN13, CN19 (Edited)
OVRALL4	RD4: How Did Condition Affect Overall Health	CN13, CN19 (Edited)
OVRALL5	RD5: How Did Condition Affect Overall Health	CN13, CN19 (Edited)
WHOTYP1	RD1: Who Reported Condition Affect	CN13OV, CN19OV (Edited)
WHOTYP2	RD2: Who Reported Condition Affect	CN13OV, CN19OV (Edited)
WHOTYP3	RD3: Who Reported Condition Affect	CN13OV, CN19OV (Edited)
WHOTYP4	RD4: Who Reported Condition Affect	CN13OV, CN19OV (Edited)
WHOTYP5	RD5: Who Reported Condition Affect	CN13OV, CN19OV (Edited)
FURTCA1	RD1: Was Further Treatment Recommended	CN14 (Edited)
FURTCA2	RD2: Was Further Treatment Recommended	CN14 (Edited)

¹See the README file in the Survey Instruments section of the MEPS home page, for information on the MEPS HC questionnaire sections (e.g., RE, CN) shown in the Source column.

VARIABLE	LABEL	SOURCE
FURTCA3	RD3: Was Further Treatment Recommended	CN14 (Edited)
FURTCA4	RD4: Was Further Treatment Recommended	CN14 (Edited)
FURTCA5	RD5: Was Further Treatment Recommended	CN14 (Edited)
FOLOCA1	RD1: Receive Follow-Up Care for Condition	CN15 (Edited)
FOLOCA2	RD2: Receive Follow-Up Care for Condition	CN15 (Edited)
FOLOCA3	RD3: Receive Follow-Up Care for Condition	CN15 (Edited)
FOLOCA4	RD4:Receive Follow-Up Care for Condition	CN15 (Edited)
FOLOCA5	RD5:Receive Follow-Up Care for Condition	CN15 (Edited)
SEEDREF1	RD1: Saw Doctor in Reference Period	CN17
SEEDREF2	RD2: Saw Doctor in Reference Period	CN17
SEEDREF3	RD3: Saw Doctor in Reference Period	CN17
SEEDREF4	RD4: Saw Doctor in Reference Period	CN17
SEEDREF5	RD5: Saw Doctor in Reference Period	CN17
CRND1	RD 1: Has Condition Round Information	Constructed
CRND2	RD 2: Has Condition Round Information	Constructed
CRND3	RD 3: Has Condition Round Information	Constructed
CRND4	RD 4: Has Condition Round Information	Constructed
CRND5	RD 5: Has Condition Round Information	Constructed
PRIORFLG	1 = Initial Priority Information on 1997 File	
INJURY	Was Condition Due To Accident/Injury	CN02
ACCDENTD	Date Of Accident -- Day	CN06
ACCDENTM	Date Of Accident -- Month	CN06
ACCDENTY	Date Of Accident -- Year	CN06
ACCDNWRK	Did Accident Occur At Work	CN07
ACDNTLOC	Where Did Accident Happen	CN08
INOUTHH	Was Accident inside/Outside House	CN09
VEHICLE	Was A Motor Vehicle Involved	CN10
GUN	Was A Gun Involved	CN10
WEAPON	Was Some Other Weapon Involved	CN10
POISON	Was Poison/Poisonous Substance Involved	CN10
FIREBURN	Was Fire/Burning Involved	CN10
DROWN	Was Drowning/Near Drowning Involved	CN10
SPORTS	Was It A Sports Injury	CN10
FALL	Was It A Fall	CN10
ACDNTOTH	Was Something Else Involved	CN10
RECOVER	Fully Recovered From Condition	CN12
INJURFLG	1 = Initial Injury Information on 1997 File	
MISSWORK	Flag Associated With Missed Work days	DD04
MISSSCHL	Flag Associated With Missed School Days	DD08
INBEDFLG	Flag Associated With Bed Days	DD12
ICD9CODX	ICD-9 Code for Condition	CE05, HS03, ER04, OP09, MV09, DN02, HH05, PM09 (Edited)
ICD9PROX	ICD-9 Code for Procedure	CE05, HS03, ER04, OP09, MV09, DN02, HH05, PM09 (Edited)
CCCODEX	Clinical Classification Code	Constructed/Edited
HHNUM	# Home Health Events Assoc. w/ Condition	Constructed
DNNUM	# Dental Events Assoc. w/ Condition	Constructed
HSNUM	# Hospital Stays Assoc. w/ Condition	Constructed
OPNUM	# Out-Patient Events Assoc. w/ Condition	Constructed
OBNUM	# Office-Based Events Assoc. w/ Condition	Constructed

VARIABLE	LABEL	SOURCE
ERNUM	# ER Assoc. w/ Condition	Constructed
RXNUM	# Prescribed Medicines Associations W/ Condition	Constructed

WEIGHTS AND VARIANCE ESTIMATION VARIABLES

VARIABLE	LABEL	SOURCE
PERWT99F	Final Person Level Weight, 1999	Constructed
VARPSU99	Variance Estimation PSU 1999	Constructed
VARSTR99	Variance Estimation Stratum 1999	Constructed

**Appendix 2:
Condition, Procedure and Clinical Classification Code
Frequencies**

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
-1	INAPPLICABLE	1,560	18,436,722
-8	DK	672	8,088,523
003	OTH SALMONELLA INFECTION*	4	44,110
005	OTHER FOOD POISONING*	76	1,019,803
006	AMEBIASIS*	1	3,521
007	OTH PROTOZOAL INTEST DIS*	6	108,576
008	INTESTINAL INFECTION NEC*	2,898	34,329,878
009	ILL-DEFINED INTEST INF*	17	110,773
011	PULMONARY TUBERCULOSIS*	23	185,065
016	GENITOURINARY TB*	1	9,040
034	STREP THROAT/SCARLET FEV*	482	6,197,870
038	SEPTICEMIA*	10	97,646
040	OTHER BACTERIAL DISEASES*	3	41,985
041	BACT INF IN OTH DIS/NOS*	99	1,227,979
042	HUMAN IMMUNO VIRUS DIS	17	226,930
048	OTH ENTEROVIRAL CNS DIS	1	18,989
052	CHICKENPOX*	67	818,138
053	HERPES ZOSTER*	73	934,887
054	HERPES SIMPLEX*	75	985,636
057	OTHER VIRAL EXANTHEMATA*	29	415,207
066	OTHER ARTHROPOD VIRUS*	1	9,651
070	VIRAL HEPATITIS*	44	487,852
075	INFECTIOUS MONONUCLEOSIS	34	528,861
078	OTHER VIRAL DISEASE*	137	1,814,848
079	VIRAL INF IN OTH DIS/NOS*	551	6,750,052
088	OTH ARTHROPOD-BORNE DIS*	13	167,195
098	GONOCOCCAL INFECTIONS*	4	58,673
099	OTHER VENEREAL DISEASE*	4	36,447
110	DERMATOPHYTOSIS*	223	2,631,928
111	DERMATOMYCOSIS NEC/NOS*	9	119,271
112	CANDIDIASIS*	195	2,444,649
117	OTHER MYCOSES*	25	293,144
123	OTHER CESTODE INFECTION*	1	4,759
127	OTH INTEST HELMINTHIASES*	15	221,847
128	HELMINTHIASES NEC & NOS*	2	12,015
129	INTESTIN PARASITISM NOS	1	12,941
130	TOXOPLASMOSIS*	1	17,744
131	TRICHOMONIASIS*	1	6,385
132	PEDICULOSIS AND PHTHIRUS*	53	606,481
133	ACARIASIS*	23	224,363
134	OTHER INFESTATION*	1	25,086
135	SARCOIDOSIS	6	89,321
136	INF/PARASITE DIS NEC/NOS*	84	855,674
138	LATE EFFECT ACUTE POLIO	6	59,675
139	LATE EFFECT INFECT NEC*	1	11,443
140	MALIGNANT NEOPLASM LIP*	5	95,248
149	OTH MALIG NEO OROPHARYNX*	9	94,539
150	MALIGNANT NEO ESOPHAGUS*	1	10,785
151	MALIGNANT NEO STOMACH*	6	68,175
152	MALIG NEO SMALL BOWEL*	1	7,123
153	MALIGNANT NEOPLASM COLON*	36	408,947
154	MALIG NEO RECTUM/ANUS*	1	4,761
155	MALIGNANT NEOPLASM LIVER*	7	77,726
156	MAL NEO GB/EXTRAHEPATIC*	2	29,318
157	MALIGNANT NEO PANCREAS*	9	98,132
160	MAL NEO NASAL CAV/SINUS*	2	51,692
162	MAL NEO TRACHEA/LUNG*	26	355,207
164	MAL NEO THYMUS/MEDIASTIN*	2	52,089
170	MAL NEO BONE/ARTIC CART*	13	127,735
171	MAL NEO SOFT TISSUE*	8	69,240
172	MALIGNANT MELANOMA SKIN*	27	384,238
173	OTHER MALIG NEOPL SKIN*	187	2,391,407
174	MALIG NEO FEMALE BREAST*	95	1,152,018

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
179	MALIG NEOPL UTERUS NOS	6	73,726
180	MALIG NEOPL CERVIX UTERI*	16	202,626
182	MALIG NEOPL UTERUS BODY*	3	24,189
183	MAL NEO UTERINE ADNEXA*	8	117,576
184	MAL NEO FEM GEN NEC/NOS*	2	0
185	MALIGN NEOPL PROSTATE	71	1,029,013
186	MALIGN NEOPL TESTIS*	2	25,816
187	MAL NEO MALE GENITAL NEC*	1	13,061
188	MALIGN NEOPL BLADDER*	22	287,084
189	MAL NEO URINARY NEC/NOS*	5	60,912
191	MALIGNANT NEOPLASM BRAIN*	5	53,017
193	MALIGN NEOPL THYROID	10	167,052
194	MAL NEO OTHER ENDOCRINE*	1	10,485
195	MAL NEO OTH/ILL-DEF SITE*	9	95,465
198	SEC MALIG NEO OTH SITES*	2	21,832
199	MALIGNANT NEOPLASM NOS*	50	615,185
201	HODGKIN'S DISEASE*	7	64,512
202	OTH MAL NEO LYMPH/HISTIO*	13	119,784
203	MULTIPLE MYELOMA ET AL*	5	59,857
204	LYMPHOID LEUKEMIA*	3	39,685
205	MYELOID LEUKEMIA*	1	12,825
208	LEUKEMIA-UNSPECIF CELL*	9	94,713
211	OTH BENIGN NEOPLASM GI*	34	462,229
212	BEN NEO RESP SYST/THORAX*	2	12,601
213	BEN NEO BONE/ARTIC CART*	1	0
214	LIPOMA*	10	115,667
215	OTH BEN NEO SOFT TISSUE*	39	444,422
216	BENIGN NEOPLASM OF SKIN*	198	2,853,323
217	BENIGN NEOPLASM BREAST	7	117,219
218	UTERINE LEIOMYOMA*	16	207,352
220	BENIGN NEOPLASM OVARY	3	22,665
225	BENIGN NEO NERVOUS SYST*	3	31,210
226	BENIGN NEOPLASM THYROID	1	8,430
227	BEN NEO OTH ENDOCRINE*	1	9,146
228	HEMANGIOMA/LYMPHANGIOMA*	5	98,821
229	BENIGN NEOPLASM NEC/NOS*	7	79,335
233	CA IN SITU BREAST/GU*	1	7,528
235	UNC BEHAV NEO GI/RESP*	10	134,742
236	UNC BEHAV NEO GU*	1	14,838
237	UNCER NEO ENDOCRINE/NERV*	1	1,492
238	UNC BEHAV NEO NEC/NOS*	23	357,090
239	UNSPECIFIED NEOPLASM*	188	2,463,381
240	GOITER, SIMPLE/NOS*	18	235,698
241	NONTOXIC NODULAR GOITER*	6	70,512
242	THYROTOXICOSIS*	76	1,094,595
244	ACQUIRED HYPOTHYROIDISM*	320	4,007,476
245	THYROIDITIS*	13	164,197
246	OTH DISORDERS OF THYROID*	430	5,032,737
250	DIABETES MELLITUS*	1,164	12,583,506
251	OTH PANCREATIC DISORDER*	45	603,961
252	PARATHYROID DISORDER*	2	15,052
253	PITUITARY/HYPOTHALM DIS*	9	98,629
255	ADRENAL GLAND DISORDERS*	7	101,511
256	OVARIAN DYSFUNCTION*	8	132,755
257	TESTICULAR DYSFUNCTION*	1	9,354
259	OTH ENDORINE DISORDERS*	245	2,940,786
263	PROT-CAL MALNUTR NEC/NOS*	2	16,530
266	B-COMPLEX DEFICIENCIES*	6	74,435
268	VITAMIN D DEFICIENCY*	1	4,665
269	OTH NUTRITION DEFICIENCY*	6	55,595
271	DIS CARBOHYDRATE METABOL*	6	136,834
272	DIS OF LIPOID METABOLISM*	1,044	12,892,038
274	GOUT*	163	2,076,165

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
275	DIS MINERAL METABOLISM*	23	268,796
276	FLUID/ELECTROLYTE DIS*	458	5,551,802
277	METABOLISM DIS NEC/NOS*	9	102,965
278	OBESITY/HYPERALIMENT*	67	799,832
279	DIS IMMUNE MECHANISM*	12	172,161
280	IRON DEFICIENCY ANEMIAS*	37	382,205
281	OTHER DEFICIENCY ANEMIA*	5	63,922
282	HEREDIT HEMOLYTIC ANEMIA*	14	149,782
285	ANEMIA NEC/NOS*	172	1,850,335
286	COAGULATION DEFECTS*	5	45,313
287	PURPURA & OTH HEMOR COND*	10	141,757
288	WBC DISORDERS*	6	52,087
289	OTHER BLOOD DISEASE*	63	688,358
290	SENILE/PRESENILE PSYCHOS*	2	22,217
292	DRUG PSYCHOSES*	1	11,360
294	OTHER ORGANIC PSYCH COND*	22	333,610
295	SCHIZOPHRENIC DISORDERS*	35	403,303
296	AFFECTIVE PSYCHOSES*	119	1,422,921
297	PARANOID STATES*	1	4,620
298	OTH NONORGANIC PSYCHOSES*	16	200,965
299	PSYCHOSES OF CHILDHOOD*	15	134,576
300	NEUROTIC DISORDERS*	563	7,244,780
301	PERSONALITY DISORDERS*	12	116,748
302	SEXUAL DISORDERS*	19	312,603
303	ALCOHOL DEPENDENCE SYNDR*	21	233,249
304	DRUG DEPENDENCE*	13	182,191
305	NONDEPENDENT DRUG ABUSE*	46	692,488
306	PSYCHOPHYSIOLOGIC DIS*	15	164,827
307	SPECIAL SYMPTOM NEC*	44	646,055
308	ACUTE REACTION TO STRESS*	340	4,191,747
309	ADJUSTMENT REACTION*	52	649,490
310	NONPSYCHOTIC BRAIN SYNDR*	3	27,122
311	DEPRESSIVE DISORDER NEC	1,201	15,061,913
312	CONDUCT DISTURBANCE NEC*	34	288,042
313	EMOTIONAL DIS CHILD/ADOL*	4	21,236
314	HYPERKINETIC SYNDROME*	267	3,105,434
315	SPECIFIC DEVELOP DELAYS*	24	279,741
317	MILD MENTAL RETARDATION	6	87,661
319	MENTAL RETARDATION NOS	26	272,133
322	MENINGITIS, UNSPECIFIED*	15	130,099
323	ENCEPHALOMYELITIS*	5	56,446
331	CEREBRAL DEGENERATION*	46	610,300
332	PARKINSON'S DISEASE*	37	512,265
333	EXTRAPYRAMIDAL DIS NEC*	34	512,678
334	SPINOCEREBELLAR DISEASE*	1	17,831
336	SPINAL CORD DISEASE NEC*	11	91,076
337	AUTONOMIC NERVE DISORDER*	7	112,714
340	MULTIPLE SCLEROSIS	27	293,246
342	HEMIPLEGIA*	3	10,210
343	INFANTILE CEREBRAL PALSY*	25	240,646
344	OTH PARALYTIC SYNDROMES*	9	106,356
345	EPILEPSY*	67	767,620
346	MIGRAINE*	445	5,006,733
347	CATAPLEXY AND NARCOLEPSY	6	86,258
348	OTHER BRAIN CONDITIONS*	22	261,398
349	CNS DISORDER NEC/NOS*	14	132,521
350	TRIGEMINAL NERV DISORDER*	2	41,791
351	FACIAL NERVE DISORDERS*	21	261,260
352	DISORDER CRAN NERVE NEC*	1	16,748
353	NERVE ROOT/PLEXUS DIS*	14	173,830
354	MONONEURITIS UPPER LIMB*	149	1,724,122
355	MONONEURITIS LEG*	180	2,415,192
356	HERED PERIPH NEUROPATHY*	17	220,284

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
357	INFLAM/TOXIC NEUROPATHY*	2	24,876
358	MYONEURAL DISORDERS*	4	41,817
359	MUSCULAR DYSTROPHIES*	9	96,998
360	DISORDERS OF THE GLOBE*	176	2,213,475
361	RETINAL DETACHMENT*	24	308,294
362	RETINAL DISORDERS NEC*	84	1,033,667
363	CHOROIDAL DISORDERS*	5	73,145
364	IRIS/CILIARY BODY DIS*	7	77,332
365	GLAUCOMA*	265	3,339,399
366	CATARACT*	340	4,332,455
367	DISORDERS OF REFRACTION*	401	5,275,563
368	VISUAL DISTURBANCES*	111	1,324,520
369	BLINDNESS AND LOW VISION*	69	756,611
370	KERATITIS*	1	0
371	CORNEAL OPACITY/DISORDER*	17	188,616
372	DISORDERS OF CONJUNCTIVA*	182	2,352,561
373	INFLAMMATION OF EYELIDS*	30	405,307
374	DISORDERS OF EYELIDS NEC*	17	302,536
375	LACRIMAL SYSTEM DISORDER*	48	582,857
376	DISORDERS OF THE ORBIT*	2	29,206
377	DISORDERS OF OPTIC NERVE*	3	24,957
378	STRABISMUS*	15	204,868
379	EYE DISORDERS NEC*	172	2,130,097
380	DISORDER OF EXTERNAL EAR*	88	1,138,199
381	NONSUPPUR OTITIS MEDIA*	12	166,559
382	OTITIS MEDIA, SUPPUR/NOS*	1,406	17,238,173
383	MASTOIDITIS ET AL*	1	11,917
384	DISORD TYMPANIC MEMB NEC*	13	139,893
385	DIS MID EAR/MASTOID NEC*	3	58,211
386	VERTIGINOUS SYNDROMES*	75	1,061,445
388	DISORDERS OF EAR NEC*	216	2,503,067
389	HEARING LOSS*	139	1,810,416
390	RHEUM FEV W/O HRT INVOLV	4	38,660
394	DISEASES OF MITRAL VALVE*	2	37,630
397	ENDOCARDIAL DISEASE NEC*	1	10,461
398	OTH RHEUMATIC HEART DIS*	2	21,008
401	ESSENTIAL HYPERTENSION*	2,756	32,168,643
402	HYPERTENSIVE HEART DIS*	5	44,652
410	ACUTE MYOCARDIAL INFARCT*	117	1,467,188
411	OTH AC ISCHEMIC HRT DIS*	11	95,092
412	OLD MYOCARDIAL INFARCT	16	159,694
413	ANGINA PECTORIS*	87	1,031,761
414	OTH CHR ISCHEMIC HRT DIS*	75	881,299
415	ACUTE PULMONARY HRT DIS*	7	67,929
416	CHR PULMONARY HEART DIS*	4	62,690
422	ACUTE MYOCARDITIS*	1	60,190
423	OTH PERICARDIAL DISEASE*	2	18,271
424	OTH ENDOCARDIAL DISEASE*	103	1,268,793
425	CARDIOMYOPATHY*	6	54,163
426	CONDUCTION DISORDERS*	13	196,858
427	CARDIAC DYSRHYTHMIAS*	318	4,265,621
428	HEART FAILURE*	114	1,422,553
429	ILL-DEFINED HEART DIS*	563	6,596,940
430	SUBARACHNOID HEMORRHAGE	1	22,962
431	INTRACEREBRAL HEMORRHAGE	2	22,119
432	INTRACRANIAL HEM NEC/NOS*	2	25,898
433	PRECEREBRAL OCCLUSION*	17	228,652
434	CEREBRAL ARTERY OCCLUS*	1	10,185
435	TRANSIENT CEREB ISCHEMIA*	11	120,005
436	CVA	168	2,057,234
437	OTH CEREBROVASC DISEASE*	13	134,739
438	LATE EFF CEREBROVASC DIS*	14	150,373
440	ATHEROSCLEROSIS*	27	369,951

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
441	AORTIC ANEURYSM*	14	206,315
442	OTHER ANEURYSM*	21	224,165
443	OTH PERIPH VASCULAR DIS*	9	128,324
444	ARTERIAL EMBOLISM*	73	911,021
446	POLYARTERIT NODOSA ET AL*	3	29,620
447	OTHER ARTERIAL DISEASE*	29	470,903
448	DISEASE OF CAPILLARIES*	3	45,076
451	THROMBOPHLEBITIS*	8	72,614
453	OTH VENOUS THROMBOSIS*	41	401,943
454	VARICOSE VEINS, LEG*	31	351,057
455	HEMORRHOIDS*	75	876,341
456	VARICOSE VEINS NEC*	1	7,143
457	NONINFECT LYMPHATIC DIS*	5	39,282
458	HYPOTENSION NEC	34	370,541
459	OTH CIRCULATORY DISEASE*	155	1,738,262
460	ACUTE NASOPHARYNGITIS	3,897	46,563,141
461	ACUTE SINUSITIS*	11	175,683
462	ACUTE PHARYNGITIS	559	6,574,726
463	ACUTE TONSILLITIS	111	1,192,896
464	AC LARYNGITIS/TRACHEITIS*	81	1,205,009
465	AC URI MULT SITES/NOS*	234	3,102,533
466	AC BRONCHITIS/BRONCHIOL*	38	586,334
470	DEVIATED NASAL SEPTUM	6	85,572
471	NASAL POLYPS*	5	84,181
472	CHR PHARYNG/NASOPHARYNG*	11	121,749
473	CHRONIC SINUSITIS*	1,250	16,272,816
474	CHR T & A DIS*	23	202,406
475	PERITONSILLAR ABSCESS	1	1,954
477	ALLERGIC RHINITIS*	1,815	22,184,328
478	OTH UPPR RESPIRATORY DIS*	653	7,069,593
480	VIRAL PNEUMONIA*	4	54,836
481	PNEUMOCOCCAL PNEUMONIA	1	8,953
482	OTH BACTERIAL PNEUMONIA*	7	101,627
485	BRONCHOPNEUMONIA ORG NOS	20	212,779
486	PNEUMONIA, ORGANISM NOS	377	4,604,158
487	INFLUENZA*	1,679	18,794,072
490	BRONCHITIS NOS	904	11,044,197
491	CHRONIC BRONCHITIS*	25	313,281
492	EMPHYSEMA*	125	1,495,798
493	ASTHMA*	1,088	12,145,446
496	CHR AIRWAY OBSTRUCT NEC	16	241,503
500	COAL WORKERS' PNEUMOCON	4	35,129
505	PNEUMOCONIOSIS, UNSPECIFIED	5	50,019
507	SOLID/LIQ PNEUMONITIS*	1	8,628
511	PLEURISY*	31	396,545
512	PNEUMOTHORAX*	3	25,932
513	LUNG/MEDIASTINUM ABSCESS*	2	16,014
514	PULM CONGEST/HYPOSTASIS	70	822,535
515	POSTINFLAM PULM FIBROSIS	2	25,827
518	OTHER LUNG DISEASES*	104	1,264,808
519	OTH RESP SYSTEM DISEASES*	181	2,105,546
520	TOOTH DEVELOP/ERUPT DIS*	24	303,310
521	HARD TISSUE DIS OF TEETH*	55	634,593
522	PULP & PERIAPICAL DIS*	243	2,895,946
523	GINGIVAL/PERIODONTAL DIS*	112	1,394,086
524	DENTOFACIAL ANOMALIES*	22	262,292
525	OTHER DENTAL DISORDER*	271	3,178,639
526	JAW DISEASES*	22	299,933
527	SALIVARY GLAND DISEASES*	16	172,400
528	ORAL SOFT TISSUE DISEASE*	94	1,091,180
529	TONGUE DISORDERS*	4	60,968
530	DISEASES OF ESOPHAGUS*	347	4,300,004
531	GASTRIC ULCER*	127	1,440,955

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
532	DUODENAL ULCER*	6	39.090
533	PEPTIC ULCER, SITE NOS*	14	126.855
535	GASTRITIS AND DUODENITIS*	103	897.934
536	STOMACH FUNCTION DISORD*	613	6,753.782
537	OTH GASTRODUODENAL DIS*	202	2,340.022
540	ACUTE APPENDICITIS*	3	32.374
541	APPENDICITIS NOS	17	152.817
550	INGUINAL HERNIA*	20	239.340
552	OTH ABDOM HERNIA W OBSTR*	5	54.240
553	OTHER ABDOMINAL HERNIA*	272	3,149.423
555	REGIONAL ENTERITIS*	29	348.775
556	IDIOPATHIC PROCTOCOLITIS*	13	153.793
557	VASC INSUFF INTESTINE*	2	20.467
558	OTH NONINF GASTROENTERIT*	43	515.583
560	INTESTINAL OBSTRUCTION*	20	205.144
562	DIVERTICULA OF INTESTINE*	75	925.293
564	FUNCT DIGESTIVE DIS NEC*	176	2,082.314
565	ANAL FISSURE & FISTULA*	5	65.597
566	ANAL & RECTAL ABSCESS	3	29.851
568	OTH PERITONEAL DISORDERS*	1	8.368
569	OTH INTESTINAL DISORDERS*	119	1,651.674
571	CHR LIVER DIS/CIRRHOSIS*	20	205.999
573	OTH LIVER DISORDERS*	41	541.548
574	CHOLELITHIASIS*	70	745.800
575	OTH GALLBLADDER DISORDER*	89	985.553
576	OTH DIS OF BILIARY TRACT*	3	29.690
577	DISEASES OF PANCREAS*	24	208.159
578	GASTROINTESTINAL HEMORR*	29	348.849
579	INTESTINAL MALABSORPTION*	4	69.132
582	CHRONIC NEPHRITIS*	1	18.080
583	NEPHRITIS NOS*	2	57.962
585	CHRONIC RENAL FAILURE	6	75.229
586	RENAL FAILURE NOS	20	261.436
588	IMPAIRED RENAL FUNCTION*	5	68.145
590	KIDNEY INFECTION*	125	1,520.197
591	HYDRONEPHROSIS	1	21.658
592	RENAL/URETERAL CALCULUS*	134	1,581.542
593	OTH RENAL & URETERAL DIS*	88	857.337
594	LOWER URIN TRACT CALCUL*	2	19.043
595	CYSTITIS*	281	3,141.346
596	OTHER BLADDER DISORDERS*	89	1,072.098
597	URETHRITIS/URETHRAL SYND*	1	3.060
598	URETHRAL STRICTURE*	3	34.105
599	OTH URINARY TRACT DISOR*	346	3,734.066
600	HYPERPLASIA OF PROSTATE*	74	1,022.067
601	PROSTATIC INFLAMMATION*	27	288.740
602	OTH PROSTATIC DISORDERS*	123	1,554.129
603	HYDROCELE*	1	23.949
604	ORCHITIS & EPIDIDYMITIS*	2	42.417
605	REDUN PREPUCE & PHIMOSIS	1	20.262
606	MALE INFERTILITY*	1	5.899
607	DISORDERS OF PENIS*	7	79.016
608	MALE GENITAL DIS NEC*	14	210.121
610	BENIGN MAMMARY DYSPLASIA*	60	761.810
611	OTHER BREAST DISORDERS*	187	2,370.041
614	FEMALE PELVIC INFLAM DIS*	15	95.848
615	UTERINE INFLAMMATORY DIS*	8	112.118
616	OTH FEMALE GEN INFLAM*	82	893.728
617	ENDOMETRIOSIS*	34	450.042
618	GENITAL PROLAPSE*	12	110.694
620	NONINFLAM DIS OVAR/ADNEX*	77	806.702
621	DISORDERS OF UTERUS NEC*	20	225.105
622	NONINFLAMM DIS CERVIX*	22	363.530

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
623	NONINFLAMM DIS VAGINA*	47	531.408
624	NONINFLAMM DIS VULVA*	3	28.211
625	FEMALE GENITAL SYMPTOMS*	168	2,053.560
626	DISORDER OF MENSTRUATION*	182	1,918.519
627	MENOPAUSAL DISORDERS*	429	5,084.041
628	FEMALE INFERTILITY*	4	27.398
629	OTH FEMALE GENITAL DIS*	40	448.380
633	ECTOPIC PREGNANCY*	2	0
634	SPONTANEOUS ABORTION*	38	422.936
637	UNSPECIFIED ABORTION*	1	16.437
640	HEMORRHAGE IN EARLY PREG*	1	12.811
641	ANTEPART HEM & PLAC PREV*	1	13.702
643	EXCESS VOMITING IN PREG*	8	98.468
644	EARLY/THREATENED LABOR*	18	171.975
646	OTHER COMPL OF PREGNANCY*	2	6.523
648	OTH CURRENT COND IN PREG*	20	287.257
650	NORMAL DELIVERY	62	423.514
652	MALPOSITION OF FETUS*	1	2.210
655	FETAL ABN AFFECT MOTHER*	1	15.318
656	OTH FETAL PROB AFF MOTH*	1	10.926
658	OTH AMNIOTIC CAVITY PROB*	1	19.329
666	POSTPARTUM HEMORRHAGE*	1	5.715
667	RETAIN PLACENTA W/O HEM*	1	12.757
669	OTH COMPL LABOR/DELIVERY*	3	16.646
673	OB PULMONARY EMBOLISM*	1	7.571
674	PUERPERAL COMPL NEC/NOS*	4	42.024
676	OTH BREAST/LACT DIS PREG*	4	35.506
680	CARBUNCLE AND FURUNCLE*	26	236.301
681	CELLULITIS, FINGER/TOE*	13	152.547
682	OTHER CELLULITIS/ABSCESS*	39	441.263
683	ACUTE LYMPHADENITIS	2	24.144
684	IMPETIGO	16	177.099
685	PILONIDAL CYST*	4	67.573
686	OTH LOCAL SKIN INFECTION*	130	1,473.431
690	ERYTHEMATOSQUAMOUS DERM*	6	87.572
691	ATOPIC DERMATITIS*	21	240.631
692	CONTACT DERMATITIS*	362	4,801.102
693	DERMAT D/T INTERN AGENT*	28	371.214
694	BULLOUS DERMATOSES*	2	24.934
695	ERYTHEMATOUS CONDITIONS*	49	684.483
696	PSORIASIS/LIKE DISORDERS*	89	1,149.018
697	LICHEN*	2	18.239
698	PRURITUS & LIKE COND*	45	534.282
700	CORNS AND CALLOSITIES	62	896.456
701	OTH SKIN HYPERTRO/ATROPH*	84	1,081.627
702	OTHER DERMATOSES*	7	83.480
703	DISEASES OF NAIL*	142	1,708.219
704	HAIR & FOLLICLE DISEASE*	58	635.949
705	DISORDERS OF SWEAT GLAND*	8	66.529
706	SEBACEOUS GLAND DISEASE*	408	5,824.155
707	CHRONIC ULCER OF SKIN*	150	1,667.833
708	URTICARIA*	62	811.081
709	OTHER SKIN DISORDERS*	266	3,286.946
710	DIFF CONNECTIVE TISS DIS*	46	526.465
711	ARTHROPATHY W INFECTION*	6	105.651
713	ARTHROPATH IN OTHER DIS*	1	8.384
714	OTH INFLAMM POLYARTHROP*	118	1,523.276
715	OSTEOARTHROSIS ET AL*	114	1,529.873
716	ARTHROPATHIES NEC/NOS*	1,318	15,672.619
717	INTERNAL DERANGEMNT KNEE*	22	314.488
718	OTHER JOINT DERANGEMENT*	29	338.772
719	JOINT DISORDER NEC & NOS*	759	9,640.647
720	INFLAM SPONDYLOPATHIES*	4	31.715

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
721	SPONDYLOSIS ET AL*	103	1,238,057
722	INTERVERTEBRAL DISC DIS*	328	3,837,057
723	OTHER CERVICAL SPINE DIS*	200	2,522,607
724	BACK DISORDER NEC & NOS*	1,315	16,072,094
725	POLYMYALGIA RHEUMATICA	12	176,830
726	PERIPH ENTHESOPATHIES*	295	3,811,549
727	OTH DIS SYNOV/TEND/BURSA*	225	2,846,170
728	DIS OF MUSCLE/LIG/FASCIA*	195	2,344,890
729	OTHER SOFT TISSUE DIS*	680	7,657,144
730	OSTEOMYELITIS*	6	70,676
731	OSTEITIS DEFORMANS*	4	50,014
732	OSTEOCHONDROPATHIES*	7	95,711
733	OTH BONE & CARTILAGE DIS*	305	3,869,871
734	FLAT FOOT	19	234,445
735	ACQ DEFORMITIES OF TOE*	19	269,004
736	OTH ACQ LIMB DEFORMITIES*	14	137,860
737	CURVATURE OF SPINE*	69	792,716
738	OTHER ACQUIRED DEFORMITY*	2	24,711
741	SPINA BIFIDA*	3	54,860
742	OTH NERVOUS SYSTEM ANOM*	6	54,421
743	CONGENITAL EYE ANOMALY*	3	21,855
744	CONG ANOM EAR/FACE/NECK*	7	71,508
745	CARDIAC SEPTAL CLOS ANOM*	4	34,034
746	OTHER CONGEN HEART ANOM*	14	161,420
747	OTH CONG CIRC SYST ANOM*	10	93,518
748	RESPIRATORY SYST ANOMALY*	3	57,544
749	CLEFT PALATE & CLEFT LIP*	8	104,519
750	OTHER UPPER GI ANOMALY*	3	42,254
751	OTH ANOM DIGESTIVE SYST*	2	17,022
752	GENITAL ORGAN ANOMALIES*	2	15,745
753	URINARY SYSTEM ANOMALIES*	9	121,105
754	CONG MUSCULOSKEL DEFORM*	5	54,256
755	OTH CONGEN LIMB ANOMALY*	12	163,963
756	OTH MUSCULOSKELET ANOMAL*	15	133,509
757	CONGEN SKIN ANOMALIES*	6	58,174
758	CHROMOSOMAL ANOMALIES*	19	192,019
759	CONGEN ANOMALIES NEC/NOS*	14	175,286
764	LT-FOR-DATES W/O FET MAL*	1	16,380
765	EXTREME IMMATUREITY*	4	24,122
767	BIRTH TRAUMA*	1	17,815
768	INTRAUTERINE ASPHYXIA*	1	3,817
770	OTH NB RESPIRATORY COND*	4	41,782
774	OTHER PERINATAL JAUNDICE*	1	1,258
779	OTH PERINATAL CONDITION*	1	18,718
780	GENERAL SYMPTOMS*	1,564	18,376,599
781	NERV/MUSCULSKEL SYS SYMP*	63	769,196
782	SKIN/OTH INTEGUMENT SYMP*	679	8,127,055
783	NUTRIT/METAB/DEVEL SYMP*	81	780,158
784	SYMPTOMS INVOL HEAD/NECK*	783	8,648,861
785	CARDIOVASCULAR SYS SYMP*	227	2,938,182
786	RESP SYS/OTH CHEST SYMP*	820	9,575,059
787	GI SYSTEM SYMPTOMS*	478	5,360,587
788	URINARY SYSTEM SYMPTOMS*	146	1,634,465
789	OTH ABDOMEN/PELVIS SYMP*	239	2,688,061
790	ABNORMAL BLOOD FINDINGS*	110	1,352,065
791	ABNORMAL URINE FINDINGS*	7	87,282
792	ABN FIND-OTH BODY SUBST*	3	17,034
793	ABN FIND-BODY STRUCT NOS*	18	200,825
794	ABNORMAL FUNCTION STUDY*	13	187,505
795	ABN HISTOLOG/IMMUNO FIND*	62	720,284
796	OTHER ABNORMAL FINDINGS*	250	3,168,810
797	SENILITY W/O PSYCHOSIS	59	689,911
799	OTH ILL-DEF MORBID/MORTL*	345	3,853,208

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
802	FRACTURE OF FACE BONES*	29	360,358
805	VERTEBRAL FX W/O CORD INJ*	44	605,592
806	VERTEBRAL FX W CORD INJ*	4	43,867
807	FX RIB/STERN/LARYN/TRACH*	42	551,305
808	PELVIC FRACTURE*	4	64,639
809	FRACTURE OF TRUNK BONES*	1	16,193
810	CLAVICLE FRACTURE*	14	149,944
811	SCAPULA FRACTURE*	6	49,779
812	HUMERUS FRACTURE*	34	449,872
813	RADIUS & ULNA FRACTURE*	10	129,779
814	CARPAL FRACTURE*	53	691,503
815	METACARPAL FRACTURE*	26	343,077
816	FRACTURE PHALANGES, HAND*	66	848,513
817	MULTIPLE HAND FRACTURES*	1	8,773
818	FRACTURE ARM MULT/NOS*	62	657,524
819	FX ARMS W RIB/STERNUM*	2	15,695
820	FRACTURE NECK OF FEMUR*	39	566,623
821	OTHER FEMORAL FRACTURE*	3	30,067
822	PATELLA FRACTURE*	10	73,587
823	TIBIA & FIBULA FRACTURE*	12	138,099
824	ANKLE FRACTURE*	45	556,986
825	FX OF TARSAL/METATARSAL*	60	847,497
826	FRACTURE PHALANGES, FOOT*	50	578,902
827	LOWER LIMB FRACTURE NEC*	32	327,988
828	FX LEGS W ARM/RIB*	4	65,261
829	FRACTURE NOS*	1	25,762
830	JAW DISLOCATION*	3	40,916
831	SHOULDER DISLOCATION*	31	390,649
832	ELBOW DISLOCATION*	12	170,046
834	DISLOCATION OF FINGER*	6	104,555
835	DISLOCATION OF HIP*	17	188,406
836	DISLOCATION OF KNEE*	43	562,390
838	DISLOCATION OF FOOT*	2	30,530
839	DISLOCATION NEC*	28	403,888
840	SPRAIN SHOULDER & ARM*	113	1,367,734
841	SPRAIN ELBOW & FOREARM*	12	146,253
842	SPRAIN WRIST & HAND*	98	1,216,689
843	SPRAIN OF HIP & THIGH*	32	492,867
844	SPRAIN OF KNEE & LEG*	141	1,687,616
845	SPRAIN OF ANKLE & FOOT*	256	3,135,468
846	SPRAIN SACROILIAC REGION*	34	547,662
847	SPRAIN OF BACK NEC/NOS*	339	4,368,145
848	SPRAIN NEC*	91	1,060,394
850	CONCUSSION*	45	571,498
854	OTHER BRAIN INJURY*	39	537,785
861	HEART & LUNG INJURY*	6	114,813
862	INTRATHORACIC INJURY NEC*	1	8,075
863	GI TRACT INJURY*	2	11,614
866	KIDNEY INJURY*	3	41,187
869	INTERNAL INJURY NOS*	3	34,380
870	OCULAR ADNEXA OPEN WOUND*	7	68,417
871	EYEBALL OPEN WOUND*	11	117,721
872	OPEN WOUND OF EAR*	10	121,055
873	OTHER OPEN WOUND OF HEAD*	343	4,110,628
874	OPEN WOUND OF NECK*	1	15,941
875	OPEN WOUND OF CHEST*	1	2,908
876	OPEN WOUND OF BACK*	2	40,987
877	OPEN WOUND OF BUTTOCK*	1	9,579
878	OPEN WOUND GENITAL ORGAN*	2	22,267
879	OPEN WOUND SITE NEC*	46	590,625
880	OPN WND SHOULDR/UPPR ARM*	3	34,594
881	OPEN WOUND OF LOWER ARM*	11	147,962
882	OPEN WOUND OF HAND*	69	933,337

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
883	OPEN WOUND OF FINGER*	116	1,630,472
884	OPEN WOUND ARM MULT/NOS*	28	318,891
886	TRAUM AMPUTATION FINGER*	9	112,196
890	OPEN WOUND OF HIP/THIGH*	3	11,892
891	OPEN WND KNEE/LEG/ANKLE*	42	522,005
892	OPEN WOUND OF FOOT*	49	594,665
893	OPEN WOUND OF TOE*	11	146,090
894	OPEN WOUND OF LEG NEC*	3	28,236
895	TRAUMATIC AMPUTATION TOE*	3	24,239
901	THORAC BLOOD VESSEL INJ*	1	16,675
903	ARM BLOOD VESSEL INJURY*	3	48,351
905	LATE EFF MUSCULOSKEL INJ*	5	70,967
906	LATE EFF SKIN/SUBCUT INJ*	3	35,239
908	LATE EFF INJURY NEC/NOS*	4	69,987
909	LATE EFF EXTER CAUSE NEC*	2	19,274
910	SUPERFICIAL INJURY HEAD*	27	292,964
911	SUPERFICIAL INJURY TRUNK*	4	68,798
912	SUPERFIC INJ SHOULDR/ARM*	2	36,002
913	SUPERFICIAL INJ FOREARM*	3	34,916
914	SUPERFICIAL INJ OF HAND*	7	84,631
915	SUPERFICIAL INJ FINGER*	12	163,720
916	SUPERFICIAL INJ HIP/LEG*	36	424,424
917	SUPERFICIAL INJ FOOT/TOE*	12	109,504
918	SUPERFIC INJ EYE/ADNEXA*	36	458,449
919	SUPERFICIAL INJ OTH SITE*	40	551,418
920	CONTUSION FACE/SCALP/NCK	45	546,596
921	CONTUSION EYE & ADNEXA*	51	629,992
922	CONTUSION OF TRUNK*	48	621,134
923	CONTUSION OF UPPER LIMB*	64	774,796
924	CONTUSION LEG & OTH SITE*	117	1,476,406
925	CRUSH INJ FACE/SCALP/NCK*	1	1,753
927	CRUSHING INJ UPPER LIMB*	2	13,671
928	CRUSHING INJURY OF LEG*	3	30,996
930	FOREIGN BODY EXTERN EYE*	32	442,097
931	FOREIGN BODY IN EAR	9	67,573
932	FOREIGN BODY IN NOSE	4	25,809
933	FB PHARYNX & LARYNX*	9	80,933
934	FB TRACHEA/BRONCHUS/LUNG*	1	5,509
935	FB MOUTH/ESOPHAG/STOMACH*	3	19,342
938	FOREIGN BODY GI NOS	9	80,161
939	FOREIGN BODY GU TRACT*	1	12,204
940	BURN OF EYE & ADNEXA*	8	116,052
941	BURN OF HEAD/FACE/NECK*	6	74,798
942	BURN OF TRUNK*	2	13,442
943	BURN OF ARM*	5	49,811
944	BURN OF HAND & WRIST*	13	167,132
945	BURN OF LEG*	13	152,136
946	BURN OF MULTIPLE SITE*	1	6,049
947	BURN OF INTERNAL ORGANS*	3	35,565
949	BURN UNSPECIFIED*	10	111,945
950	INJ OPTIC NERV/PATHWAYS*	1	5,397
952	SPINAL CORD INJ W/O FX*	11	141,288
954	INJURY OTH TRUNK NERVE*	2	26,286
955	INJ PERIPH NERV SHLD/ARM*	1	13,648
957	INJURY TO NERVE NEC/NOS*	1	11,948
958	EARLY COMPLIC OF TRAUMA*	6	66,349
959	INJURY NEC/NOS*	942	10,875,290
960	POISONING BY ANTIBIOTICS*	3	32,154
961	POISONING-ANTI-INFEC NEC*	2	30,824
963	POISONING-SYSTEMIC AGENT*	1	8,502
965	POIS-ANALGESIC/ANTIPYRET*	2	14,877
976	POIS-SKIN/EENT/DENT AGT*	1	18,607
977	POIS-MEDICINAL NEC/NOS*	9	107,874

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
980	ALCOHOL TOXICITY*	1	9.185
981	TOXIC EFF PETROLEUM PROD	1	9.806
984	TOXIC EFF LEAD & COMPND*	4	15.625
986	TOX EFF CARBON MONOXIDE	3	39.983
987	TOXIDE EFF GAS/VAPOR NEC*	5	106.391
988	TOXIC EFF NOXIOUS FOOD*	2	50.254
989	TOX EFF OTH NONMED SUBST*	82	933.869
990	EFFECTS RADIATION NOS	2	27.026
991	EFF REDUCED TEMPERATURE*	1	16.535
992	EFFECT OF HEAT/LIGHT*	22	400.567
993	EFFECTS OF AIR PRESSURE*	1	3.908
994	EFFECT EXTERNAL CAUS NEC*	14	177.041
995	CERTAIN ADVERSE EFF NEC*	171	2,053.487
996	REPLACE & GRAFT COMPLIC*	48	693.891
997	SURG COMPL-BODY SYST NEC*	2	14.476
998	OTH SURGICAL COMPL NEC*	79	822.540
999	COMPLIC MEDICAL CARE NEC*	6	26.860
E90	EXCESSIVE HEAT*	2	33.771
E93	ADV EFF ANTIBIOTICS*	1	12.878
E98	UNDETERM POIS-SOL/LIQUID*	1	8.427
V01	COMMUNICABLE DIS CONTACT*	1	24.042
V04	VACCIN FOR VIRAL DISEASE*	33	521.752
V05	OTH VACCIN FOR SINGL DIS*	39	241.559
V06	VAC FOR DIS COMBINATION*	14	79.544
V07	PROPHYLACTIC MEASURES*	85	1,084.880
V08	ASYMP HIV INFECTN STATUS	3	23.916
V10	HX OF MALIGNANT NEOPLASM*	14	158.183
V12	HX OF DISEASE NEC*	11	147.755
V13	HX OF OTHER DISEASES*	3	33.017
V15	OTH HX OF HEALTH HAZARDS*	6	82.102
V16	FAMILY HX-MALIGNANCY*	1	12.879
V17	FAM HX-CHR DISABLING DIS*	2	17.519
V18	FAM HX-OTH SPECIF COND*	1	15.818
V20	HEALTH SUPERVISION CHILD*	39	449.637
V21	CONSTITUT STATE IN DEVEL*	1	0
V22	NORMAL PREGNANCY*	776	7,812.643
V24	POSTPARTUM CARE/EXAM*	23	179.889
V25	CONTRACEPTIVE MANAGEMENT*	352	4,777.174
V26	PROCREATIVE MANAGEMENT*	12	135.547
V29	NB OBSRV SUSPCT INFECT	1	6.837
V30	SINGLE LIVEBORN*	32	418.730
V40	MENTAL/BEHAVIORAL PROB*	64	659.870
V41	PROB W SPECIAL FUNCTIONS*	114	1,352.088
V42	ORGAN TRANSPLANT STATUS*	4	70.716
V43	ORGAN REPLACEMENT NEC*	11	99.015
V44	ARTIFICIAL OPNING STATUS*	1	9.204
V45	OTH POSTSURGICAL STATES*	19	246.201
V47	OTH PROBL W INTERNAL ORG*	41	550.455
V48	HEAD/NECK/TRUNK PROBLEMS*	24	320.279
V49	LIMB PROBLEM/PROBLEM NEC*	57	630.440
V50	OTHER ELECTIVE SURGERY*	4	37.646
V52	FITTING OF PROSTHESIS*	16	135.030
V53	ADJUSTMENT OF OTH DEVICE*	30	348.795
V54	OTH ORTHOPEDIC AFTERCARE*	3	42.869
V55	ATTEN TO ARTIFICIAL OPEN*	5	58.159
V56	DIALYSIS ENCOUNTER*	2	26.077
V57	REHABILITATION PROCEDURE*	13	122.930
V58	ENCOUNTR PROC/AFTRCR NEC*	30	440.462
V59	DONOR*	1	20.610
V60	HOUSEHOLD CIRCUMSTANCES*	1	9.081
V61	OTH FAMILY CIRCUMSTANCES*	23	358.873
V62	OTH PSYCHOSOCIAL CIRCUM*	60	711.294
V65	OTHER REASON FOR CONSULT*	76	927.409

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TABLE 1
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9CODX

ICD9CODX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
V66	CONVALESCENCE*	3	32,115
V67	FOLLOW-UP EXAMINATION*	164	1,841,983
V68	ADMINISTRATIVE ENCOUNTER*	1,076	13,410,050
V69	LACK OF PHYSICAL EXERCISE	15	205,472
V70	GENERAL MEDICAL EXAM*	420	4,205,444
V71	OBSERVATION-SUSPECT COND*	65	779,759
V72	SPECIAL EXAMINATIONS*	887	10,531,071
V73	SCREENING FOR VIRAL DIS*	2	40,820
V74	SCREENING-BACTERIAL DIS*	16	144,132
V76	SCREENING-MALIG NEOPLASM*	77	859,008
V77	SCREEN-ENDO/NUTR/METAB*	8	53,360
V78	SCREENING FOR BLOOD DIS*	3	17,253
V79	SCREENING-MENTAL DISORD*	2	27,547
V80	SCREEN-NEURO/EYE/EAR DIS*	7	75,187
V81	SCREEN-HEART/RESP/GU DIS*	7	116,050
V82	SCREEN-OTHER CONDITIONS*	8	129,513
	TOTAL	69,897	838,399,113

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 2
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9PROX

ICD9PROX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
-1	INAPPLICABLE	68,543	821,455,359
01	INCISE-EXCIS BRAIN/SKULL*	1	7,867
02	OTHER SKULL/BRAIN OPS*	1	15,248
03	SPINAL CORD & CANAL OPS*	6	85,615
04	CRAN & PERIPH NERVE OPS*	5	62,440
06	THYROID/PARATHYROID OPS*	8	72,548
07	OTH ENDOCRINE GLND OPS*	1	13,318
08	EYELID OPERATIONS*	1	22,920
12	ANTERIOR SEGMENT OPS*	1	0
13	OPERATIONS ON LENS*	38	523,968
14	POSTERIOR SEGMENT OPS*	1	17,517
16	ORBIT/EYEBALL OPS*	16	209,112
18	EXTERNAL EAR OPERATIONS*	6	70,700
19	MIDDLE EAR RECONSTRUCT*	1	12,826
20	OTHER MID & INNER EAR OP*	18	240,797
21	OPERATIONS ON NOSE*	4	30,252
22	NASAL SINUS OPERATIONS*	8	137,152
23	TOOTH REMOVAL & RESTORAT*	289	3,269,510
24	OTH OPS ON TEETH & GUMS*	23	349,201
27	OTHER MOUTH & FACE OPS*	16	220,195
28	TONSIL & ADENOID OPS*	18	242,501
29	OPERATIONS ON PHARYNX*	2	23,861
33	OTHER BRONCHIAL/LUNG OPS*	1	28,536
35	HEART VALVES & SEPTA OPS*	6	84,052
36	OPS ON HEART VESSELS*	25	356,894
37	OTHER HEART/PERICARD OPS*	20	253,278
38	VESSEL INC/EXCIS/OCCLUS*	2	22,386
39	OTHER OPS ON VESSELS*	22	287,680
40	LYMPHATIC SYSTEM OPS*	1	20,256
41	BONE MARROW & SPLEEN OPS*	1	19,162
43	GASTRIC INCISION/EXCIS*	1	21,048
44	OTHER GASTRIC OPERATIONS*	3	46,060
45	INTEST INCIS/EXCIS/ANAST*	42	578,503
46	OTHER INTESTINAL OPS*	9	122,675
47	OPERATIONS ON APPENDIX*	8	36,189
48	RECTAL & PERIRECTAL OPS*	4	54,796
49	OPERATIONS ON ANUS*	1	8,894
50	OPERATIONS ON LIVER*	5	55,644
51	BILIARY TRACT OPERATION*	50	546,848
53	REPAIR OF HERNIA*	11	130,769
54	OTHER ABDOMEN REGION OPS*	2	29,785
55	OPERATIONS ON KIDNEY*	7	98,850
57	URINARY BLADDER OPS*	9	108,553
60	PROSTATE & SEMIN VES OPS*	11	131,379
63	SPERM CORD/EPID/VAS OPS*	7	104,126
64	OPERATIONS ON PENIS*	4	48,209
65	OPERATIONS ON OVARY*	2	18,496
66	FALLOPIAN TUBE OPERATION*	16	137,589
67	OPERATIONS ON CERVIX*	2	4,271
68	OTHER UTERINE INCIS/EXC*	52	622,797
69	OTHER UTERUS/SUPPORT OPS*	11	113,728
70	VAGINA & CUL-DE-SAC OPS*	2	30,775
73	ASSIST/INDUCE DELIV NEC*	1	3,659
74	C-SECTION/REMOVAL FETUS*	4	35,117
75	OTHER OBSTETRIC OPS*	1	11,034
77	INCIS/EXCIS/DIV BONE NEC*	7	83,724
78	OTH BONE OPS EXCPT FACE*	16	197,391
79	REDUCTION FX/DISLOCATION*	1	7,646
80	INCISION/EXCISION JOINT*	7	77,126
81	JOINT REPAIR*	70	998,103
82	HAND MUSCL/TEND/FASC OPS*	1	16,436
83	OTHER MUS/TEN/FAS/BUR OP*	2	18,620
84	OTHER MUSCULOSKELET PROC*	26	337,003

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 2
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF ICD9PROX

ICD9PROX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
85	OPERATIONS ON THE BREAST*	34	447,821
86	SKIN & SUBQ OPERATIONS*	131	2,007,236
87	DIAGNOSTIC RADIOLOGY*	29	340,286
88	OTHER DX RADIOLOGY*	3	24,312
89	INTERVIEW/CONSULT/EXAM*	29	391,016
91	MICROSCOPIC EXAM--II*	4	18,789
92	NUCLEAR MEDICINE*	4	40,698
93	PT, REHAB & RELATED PROC*	16	252,575
94	PSYCHE RELATED PROCEDURE*	17	219,138
95	EYE & EAR DX/TREATMENT*	15	173,393
96	NON-OP INTUBAT & IRRIGAT*	30	418,703
97	REPLACE & REMOV DEVICES*	5	74,046
98	NONOP REMOVE FOREIGN BOD*	1	20,337
99	OTHER NONOPERATIVE PROC*	99	979,770
	TOTAL	69,897	838,399,113

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 3
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCCODEX

CCCODEX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
-1	INAPPLICABLE	1,560	18,436.722
-8	DK	672	8,088.523
001	TUBERCULOSIS	24	194.105
002	SEPTICEMIA (EXCEPT IN LABOR)	13	136.615
003	BACTERIAL INFECTION, UNSPECIFIED SIT	117	1,417.470
004	MYCOSES	450	5,446.711
005	HIV INFECTION	20	250.845
006	HEPATITIS	57	654.850
007	VIRAL INFECTION	962	12,192.215
008	OTHER INFECTIONS, INCLUDING PARASITI	202	2,255.253
009	SEXUALLY TRANSMITTED INFECTIONS (NOT	8	95.120
010	IMMUNIZATIONS AND SCREENING FOR INFE	115	1,131.978
011	CANCER OF HEAD AND NECK	18	255.813
012	CANCER OF ESOPHAGUS	1	10.785
013	CANCER OF STOMACH	6	68.175
014	CANCER OF COLON	36	408.947
015	CANCER OF RECTUM AND ANUS	1	4.761
016	CANCER OF LIVER AND INTRAHEPATIC BIL	7	77.726
017	CANCER OF PANCREAS	9	98.132
018	CANCER OF OTHER GI ORGANS, PERITONEU	4	46.780
019	CANCER OF BRONCHUS, LUNG	26	355.207
021	CANCER OF BONE AND CONNECTIVE TISSUE	21	196.975
022	MELANOMAS OF SKIN	28	407.586
023	OTHER NON-EPITHELIAL CANCER OF SKIN	187	2,391.407
024	CANCER OF BREAST	100	1,199.520
025	CANCER OF UTERUS	10	103.890
026	CANCER OF CERVIX	31	390.948
027	CANCER OF OVARY	8	117.576
028	CANCER OF OTHER FEMALE GENITAL ORGAN	2	0
029	CANCER OF PROSTATE	71	1,029.013
030	CANCER OF TESTIS	2	25.816
031	CANCER OF OTHER MALE GENITAL ORGANS	1	13.061
032	CANCER OF BLADDER	24	314.928
033	CANCER OF KIDNEY AND RENAL PELVIS	5	60.912
035	CANCER OF BRAIN AND NERVOUS SYSTEM	5	53.017
036	CANCER OF THYROID	10	167.052
037	HODGKIN'S DISEASE	7	64.512
038	NON-HODGKIN'S LYMPHOMA	12	117.641
039	LEUKEMIAS	14	163.843
040	MULTIPLE MYELOMA	5	59.857
041	CANCER, OTHER AND UNSPECIFIED PRIMAR	51	617.110
042	SECONDARY MALIGNANCIES	2	21.832
043	MALIGNANT NEOPLASM WITHOUT SPECIFICA	49	604.846
044	NEOPLASMS OF UNSPECIFIED NATURE OR U	223	2,971.542
045	MAINTENANCE CHEMOTHERAPY, RADIOTHERA	2	24.846
046	BENIGN NEOPLASM OF UTERUS	16	207.352
047	OTHER AND UNSPECIFIED BENIGN NEOPLAS	311	4,255.068
048	THYROID DISORDERS	865	10,626.956
049	DIABETES MELLITUS WITHOUT COMPLICATI	1,156	12,534.854
050	DIABETES MELLITUS WITH COMPLICATIONS	29	295.738
051	OTHER ENDOCRINE DISORDERS	320	3,946.410
052	NUTRITIONAL DEFICIENCIES	15	151.225
053	DISORDERS OF LIPID METABOLISM	1,029	12,710.746
054	GOUT AND OTHER CRYSTAL ARTHROPATHIES	163	2,076.165
055	FLUID AND ELECTROLYTE DISORDERS	458	5,551.802
056	CYSTIC FIBROSIS	5	65.315
057	IMMUNITY DISORDERS	12	172.161
058	OTHER NUTRITIONAL, ENDOCRINE, AND ME	174	2,036.695
059	DEFICIENCY AND OTHER ANEMIA	215	2,320.531
061	SICKLE CELL ANEMIA	13	125.712
062	COAGULATION AND HEMORRHAGIC DISORDER	15	187.070
063	DISEASES OF WHITE BLOOD CELLS	6	52.087
064	OTHER HEMATOLOGIC CONDITIONS	57	602.569

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TABLE 3
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCCODEX

CCCODEX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
065	MENTAL RETARDATION	32	359,794
066	ALCOHOL-RELATED MENTAL DISORDERS	31	397,814
067	SUBSTANCE-RELATED MENTAL DISORDERS	50	721,474
068	SENILITY AND ORGANIC MENTAL DISORDER	126	1,599,705
069	AFFECTIVE DISORDERS	144	1,775,396
070	SCHIZOPHRENIA AND RELATED DISORDERS	50	537,879
071	OTHER PSYCHOSES	17	205,585
072	ANXIETY, SOMATOFORM, DISSOCIATIVE, A	868	11,242,163
073	PREADULT DISORDERS	302	3,378,577
074	OTHER MENTAL CONDITIONS	1,386	17,185,177
075	PERSONAL HISTORY OF MENTAL DISORDER,	78	807,782
076	MENINGITIS (EXCEPT THAT CAUSED BY TU	15	130,099
077	ENCEPHALITIS (EXCEPT THAT CAUSED BY	5	56,446
078	OTHER CNS INFECTION AND POLIOMYELITI	10	113,244
079	PARKINSON'S DISEASE	37	512,265
080	MULTIPLE SCLEROSIS	27	293,246
081	OTHER HEREDITARY AND DEGENERATIVE NE	54	739,493
082	PARALYSIS	37	357,213
083	EPILEPSY, CONVULSIONS	210	2,513,119
084	HEADACHE, INCLUDING MIGRAINE	1,077	11,899,993
085	COMA, STUPOR, AND BRAIN DAMAGE	4	80,333
086	CATARACT	341	4,343,997
087	RETINAL DETACHMENTS, DEFECTS, VASCUL	108	1,341,962
088	GLAUCOMA	265	3,339,399
089	BLINDNESS AND VISION DEFECTS	587	7,401,772
090	INFLAMMATION, INFECTION OF EYE (EXCE	371	4,752,218
091	OTHER EYE DISORDERS	485	5,961,391
092	OTITIS MEDIA AND RELATED CONDITIONS	1,432	17,556,543
093	CONDITIONS ASSOCIATED WITH DIZZINESS	299	3,754,246
094	OTHER EAR AND SENSE ORGAN DISORDERS	523	6,443,480
095	OTHER NERVOUS SYSTEM DISORDERS	619	7,553,398
096	HEART VALVE DISORDERS	200	2,451,676
097	PERI-, ENDO-, AND MYOCARDITIS, CARDI	11	153,633
098	ESSENTIAL HYPERTENSION	2,755	32,165,795
099	HYPERTENSION WITH COMPLICATIONS AND	6	47,499
100	ACUTE MYOCARDIAL INFARCTION	117	1,467,188
101	CORONARY ATHEROSCLEROSIS AND OTHER H	194	2,261,268
102	NONSPECIFIC CHEST PAIN	256	3,160,091
103	PULMONARY HEART DISEASE	11	130,619
104	OTHER AND ILL-DEFINED HEART DISEASE	562	6,587,390
105	CONDUCTION DISORDERS	33	458,129
106	CARDIAC DYSRHYTHMIAS	383	5,131,343
107	CARDIAC ARREST AND VENTRICULAR FIBRI	22	270,937
108	CONGESTIVE HEART FAILURE, NONHYPERTE	114	1,422,553
109	ACUTE CEREBROVASCULAR DISEASE	174	2,138,398
110	OCCCLUSION OR STENOSIS OF PRECEREBRAL	17	228,652
111	OTHER AND ILL-DEFINED CEREBROVASCULA	13	134,739
112	TRANSIENT CEREBRAL ISCHEMIA	11	120,005
113	LATE EFFECTS OF CEREBROVASCULAR DISE	14	150,373
114	PERIPHERAL AND VISCERAL ATHEROSCLERO	31	418,231
115	AORTIC, PERIPHERAL, AND VISCERAL ART	35	430,480
116	AORTIC AND PERIPHERAL ARTERIAL EMBOL	73	911,021
117	OTHER CIRCULATORY DISEASE	258	3,120,945
118	PHLEBITIS, THROMBOPHLEBITIS AND THRO	49	474,558
119	VARICOSE VEINS OF LOWER EXTREMITY	31	351,057
120	HEMORRHOIDS	75	876,341
121	OTHER DISEASES OF VEINS AND LYMPHATI	10	70,764
122	PNEUMONIA (EXCEPT THAT CAUSED BY TUB	411	4,998,367
123	INFLUENZA	1,679	18,794,072
124	ACUTE AND CHRONIC TONSILLITIS	135	1,397,257
125	ACUTE BRONCHITIS	38	586,334
126	OTHER UPPER RESPIRATORY INFECTIONS	6,503	79,982,932
127	CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,070	13,094,780

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TABLE 3
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCCODEX

CCCODEX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
128	ASTHMA	1,088	12,145.446
129	ASPIRATION PNEUMONITIS, FOOD/VOMITUS	1	8.628
130	PLEURISY, PNEUMOTHORAX, PULMONARY CO	44	514.940
131	RESPIRATORY FAILURE, INSUFFICIENCY,	2	36.921
132	LUNG DISEASE DUE TO EXTERNAL AGENTS	9	85.147
133	OTHER LOWER RESPIRATORY DISEASE	902	10,421.052
134	OTHER UPPER RESPIRATORY DISEASE	2,590	30,648.793
135	INTESTINAL INFECTION	3,002	35,616.661
136	DISORDERS OF TEETH AND JAW	955	11,208.692
137	DISEASES OF MOUTH, EXCLUDING DENTAL	114	1,324.548
138	ESOPHAGEAL DISORDERS	348	4,307.146
139	GASTRODUODENAL ULCER (EXCEPT HEMORRH	120	1,290.545
140	GASTRITIS AND DUODENITIS	103	897.934
141	OTHER DISORDERS OF STOMACH AND DUODE	815	9,093.804
142	APPENDICITIS AND OTHER APPENDICEAL C	21	197.415
143	ABDOMINAL HERNIA	297	3,443.002
144	REGIONAL ENTERITIS AND ULCERATIVE CO	42	502.568
145	INTESTINAL OBSTRUCTION WITHOUT HERNI	20	205.144
146	DIVERTICULOSIS AND DIVERTICULITIS	75	925.293
147	ANAL AND RECTAL CONDITIONS	17	221.676
149	BILIARY TRACT DISEASE	162	1,761.042
151	OTHER LIVER DISEASES	84	1,042.963
152	PANCREATIC DISORDERS (NOT DIABETES)	24	208.159
153	GASTROINTESTINAL HEMORRHAGE	83	1,134.538
154	NONINFECTIOUS GASTROENTERITIS	43	515.583
155	OTHER GASTROINTESTINAL DISORDERS	691	8,195.741
156	NEPHRITIS, NEPHROSIS, RENAL SCLEROSI	3	76.043
157	ACUTE AND UNSPECIFIED RENAL FAILURE	20	261.436
158	CHRONIC RENAL FAILURE	10	125.167
159	URINARY TRACT INFECTIONS	697	7,768.813
160	CALCULUS OF URINARY TRACT	144	1,661.712
161	OTHER DISEASES OF KIDNEY AND URETERS	94	947.140
162	OTHER DISEASES OF BLADDER AND URETHR	95	1,134.232
163	GENITOURINARY SYMPTOMS AND ILL-DEFIN	219	2,501.540
164	HYPERPLASIA OF PROSTATE	74	1,022.067
165	INFLAMMATORY CONDITIONS OF MALE GENI	31	342.142
166	OTHER MALE GENITAL DISORDERS	147	1,894.638
167	NONMALIGNANT BREAST CONDITIONS	247	3,131.851
168	INFLAMMATORY DISEASES OF FEMALE PELV	105	1,101.694
169	ENDOMETRIOSIS	34	450.042
170	PROLAPSE OF FEMALE GENITAL ORGANS	12	110.694
171	MENSTRUAL DISORDERS	291	3,370.807
172	OVARIAN CYST	66	730.081
173	MENOPAUSAL DISORDERS	483	5,780.678
174	FEMALE INFERTILITY	4	27.398
175	OTHER FEMALE GENITAL DISORDERS	255	2,906.025
176	CONTRACEPTIVE AND PROCREATIVE MANAGE	364	4,912.720
177	SPONTANEOUS ABORTION	38	422.936
178	INDUCED ABORTION	1	16.437
180	ECTOPIC PREGNANCY	2	0
181	OTHER COMPLICATIONS OF PREGNANCY	15	165.965
182	HEMORRHAGE DURING PREGNANCY, ABRUPTI	2	26.513
184	EARLY OR THREATENED LABOR	18	171.975
186	DIABETES OR ABNORMAL GLUCOSE TOLERAN	15	226.283
187	MALPOSITION, MALPRESENTATION	1	2,210
191	POLYHYDRAMNIOS AND OTHER PROBLEMS OF	1	19.329
195	OTHER COMPLICATIONS OF BIRTH, PUERPE	16	146.464
196	NORMAL PREGNANCY AND/OR DELIVERY	864	8,489.114
197	SKIN AND SUBCUTANEOUS TISSUE INFECTI	228	2,548.214
198	OTHER INFLAMMATORY CONDITION OF SKIN	193	2,498.528
199	CHRONIC ULCER OF SKIN	150	1,667.833
200	OTHER SKIN DISORDERS	1,503	19,135.406
201	INFECTIVE ARTHRITIS AND OSTEOMYELITI	12	176.327

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

TABLE 3
UNWEIGHTED AND WEIGHTED COUNT OF RECORDS FOR EACH VALUE OF CCCODEX

CCCODEX VALUE	LABEL	UNWEIGHTED	WEIGHTED BY PERWT99F
202	RHEUMATOID ARTHRITIS AND RELATED DIS	119	1,530.907
203	OSTEOARTHRITIS	114	1,529.873
204	OTHER NON-TRAUMATIC JOINT DISORDERS	2,099	25,594,298
205	SPONDYLOSIS, INTERVERTEBRAL DISC DIS	1,949	23,693,899
206	OSTEOPOROSIS	179	2,301,079
207	PATHOLOGICAL FRACTURE	16	258.997
208	ACQUIRED FOOT DEFORMITIES	81	1,038,541
209	OTHER ACQUIRED DEFORMITIES	31	358,775
210	SYSTEMIC LUPUS ERYTHEMATOSUS AND CON	46	526,465
211	OTHER CONNECTIVE TISSUE DISEASE	1,407	16,820,284
212	OTHER BONE DISEASE AND MUSCULOSKELET	170	1,993,281
213	CARDIAC AND CIRCULATORY CONGENITAL A	28	288,972
214	DIGESTIVE CONGENITAL ANOMALIES	5	59,276
215	GENITOURINARY CONGENITAL ANOMALIES	11	136,850
216	NERVOUS SYSTEM CONGENITAL ANOMALIES	9	109,281
217	OTHER CONGENITAL ANOMALIES	92	1,032,634
218	LIVEBORN	32	418,730
219	SHORT GESTATION, LOW BIRTH WEIGHT, A	5	40,502
220	INTRAUTERINE HYPOXIA AND BIRTH ASPHY	1	3,817
222	HEMOLYTIC JAUNDICE AND PERINATAL JAU	1	1,258
223	BIRTH TRAUMA	1	17,815
224	OTHER PERINATAL CONDITIONS	5	60,499
225	JOINT DISORDERS AND DISLOCATIONS, TR	172	2,271,992
226	FRACTURE OF NECK OF FEMUR (HIP)	39	566,623
227	SPINAL CORD INJURY	15	185,155
228	SKULL AND FACE FRACTURES	29	360,358
229	FRACTURE OF UPPER LIMB	275	3,362,272
230	FRACTURE OF LOWER LIMB	212	2,553,126
231	OTHER FRACTURES	99	1,380,024
232	SPRAINS AND STRAINS	1,120	14,075,982
233	INTRACRANIAL INJURY	84	1,109,283
234	CRUSHING INJURY OR INTERNAL INJURY	25	321,516
235	OPEN WOUNDS OF HEAD, NECK, AND TRUNK	424	5,100,130
236	OPEN WOUNDS OF EXTREMITIES	350	4,537,752
237	COMPLICATION OF DEVICE, IMPLANT OR G	49	699,817
238	COMPLICATIONS OF SURGICAL PROCEDURES	89	890,150
239	SUPERFICIAL INJURY, CONTUSION	504	6,273,750
240	BURNS	64	762,170
242	POISONING BY OTHER MEDICATIONS AND D	99	1,179,180
243	POISONING BY NONMEDICINAL SUBSTANCES	98	1,165,114
244	OTHER INJURIES AND CONDITIONS DUE TO	1,135	13,259,031
245	SYNCOPE	35	382,196
246	FEVER OF UNKNOWN ORIGIN	312	3,316,454
247	LYMPHADENITIS	45	652,206
248	GANGRENE	3	76,189
249	SHOCK	1	9,650
250	NAUSEA AND VOMITING	90	915,984
251	ABDOMINAL PAIN	227	2,539,196
252	MALaise AND FATIGUE	224	2,917,287
253	ALLERGIC REACTIONS	564	7,386,961
254	REHABILITATION CARE, FITTING OF PROS	20	157,397
255	ADMINISTRATIVE/SOCIAL ADMISSION	1,275	15,866,343
256	MEDICAL EXAMINATION/EVALUATION	905	10,166,219
257	OTHER AFTERCARE	193	2,214,562
258	OTHER SCREENING FOR SUSPECTED CONDIT	110	1,250,371
259	RESIDUAL CODES, UNCLASSIFIED	1,582	18,694,174
260	E (EXTERNAL CAUSES OF INJURY AND POI	4	55,076
	TOTAL	69,897	838,399,113

NOTE: ' * ' indicates collapsing of fully specified codes to 3-digit code categories. See Section 2.5.2 for additional information.

**Appendix 3:
Clinical Classification Code to
ICD-9 Code Crosswalk**

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
 ICD-9-CM codes

1	Tuberculosis										
V1201	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						

NOTE: All ICD-9-CM coding changes from January 1980 through September 1999 are included in this appendix. However, special treatment is required for code 2510 (Hypoglycemic coma) which resides in diagnosis category 50 Diabetes mellitus, if data prior to October 1993 are used. After October 1993, code 2510 resides in diagnosis category 51 Other endocrine disorders (as depicted in this appendix).

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
ICD-9-CM codes

2	Septicemia (except in labor)											
	0031	0202	0223	0362	0380	0381	03810	03811	03819	0382	0383	03840
	03841	03842	03843	03844	03849	0388	0389	0545	7907			
3	Bacterial infection, unspecified site											
	V090	V091	V092	V093	V094	V0950	V0951	V096	V0970	V0971	V0980	V0981
	V0990	V0991	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	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										
4	Mycoses											
	1100	1101	1102	1103	1104	1105	1106	1108	1109	1110	1111	1112
	1113	1118	1119	1120	1121	1122	1123	1125	11282	11284	11285	11289
	1129	1141	1143	1149	11500	11509	11510	11519	11590	11599	1160	1161
	1162	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	118
5	HIV infection											
	V08	042	0420	0421	0422	0429	0430	0431	0432	0433	0439	0440
	0449	07953	27910	27919	79571	7958						
6	Hepatitis											
	0700	0701	0702	07020	07021	07022	07023	0703	07030	07031	07032	07033
	0704	07041	07042	07043	07044	07049	0705	07051	07052	07053	07054	07059
	0706	0709	57140	57141	57149	5731	5732	5733				
7	Viral infection											
	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	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	07988	07989	0799	07998	07999
	7908											

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
 ICD-9-CM codes

8 Other infections, including parasitic

V120	V1200	V1203	V1209	080	0810	0811	0812	0819	0820	0821	0822
0823	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								

9 Sexually transmitted infections (not HIV or hepatitis)

0900	0901	0902	0903	09040	09041	09042	09049	0905	0906	0907	0909
0910	0911	0912	0913	0914	09150	09151	09152	09161	09162	09169	0917
09181	09182	09189	0919	0920	0929	0930	0931	09320	09321	09322	09323
09324	09381	09382	09389	0939	0940	0941	0942	0943	09481	09482	09483
09484	09485	09486	09487	09489	0949	0950	0951	0952	0953	0954	0955
0956	0957	0958	0959	096	0970	0971	0979	0980	09810	09811	09812
09813	09814	09815	09816	09817	09819	0982	09830	09831	09832	09833	09834
09835	09836	09837	09839	09840	09841	09842	09843	09849	09850	09851	09852
09853	09859	0986	0987	09881	09882	09883	09884	09885	09886	09889	0990
0991	0992	0993	0994	09940	09941	09949	09950	09951	09952	09953	09954
09955	09956	09959	0998	0999							

10 Immunizations and screening for infectious disease

V010	V011	V012	V013	V014	V015	V016	V017	V018	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	V050	V051	V052	V053	V054	V058	V059	V060	V061	V062	V063
V064	V065	V066	V068	V069	V286	V712	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	7955	7956							

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
 ICD-9-CM codes

11	Cancer of head and neck											
	V1001	V1002	V1021	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											
12	Cancer of esophagus											
	V1003	1500	1501	1502	1503	1504	1505	1508	1509	2301		
13	Cancer of stomach											
	V1004	1510	1511	1512	1513	1514	1515	1516	1518	1519	2302	
14	Cancer of colon											
	V1005	1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1590
	2303											
15	Cancer of rectum and anus											
	V1006	1540	1541	1542	1543	1548	2304	2305	2306			
16	Cancer of liver and intrahepatic bile duct											
	V1007	1550	1551	1552	2308							
17	Cancer of pancreas											
	1570	1571	1572	1573	1574	1578	1579					
18	Cancer of other GI organs, peritoneum											
	V1000	V1009	1520	1521	1522	1523	1528	1529	1560	1561	1562	1568
	1569	1580	1588	1589	1591	1598	1599	2307	2309			
19	Cancer of bronchus, lung											
	V1011	1622	1623	1624	1625	1628	1629	2312				

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

		Diagnosis category ICD-9-CM codes											
20	Cancer, other respiratory and intrathoracic	V1012 2318	V1020 2319	V1022	1620	1630	1631	1638	1639	1650	1658	1659	2311
21	Cancer of bone and connective tissue	1700 1713	1701 1714	1702 1715	1703 1716	1704 1717	1705 1718	1706 1719	1707	1708	1709	1710	1712
22	Melanomas of skin	V1082	1720	1721	1722	1723	1724	1725	1726	1727	1728	1729	
23	Other non-epithelial cancer of skin	V1083 2321	1730 2322	1731 2323	1732 2324	1733 2325	1734 2326	1735 2327	1736 2328	1737 2329	1738	1739	2320
24	Cancer of breast	V103 2330	1740	1741	1742	1743	1744	1745	1746	1748	1749	1750	1759
25	Cancer of uterus	V1042	179	1820	1821	1828	2332						
26	Cancer of cervix	V1041	1800	1801	1808	1809	2331	7950					
27	Cancer of ovary	V1043	1830										
28	Cancer of other female genital organs	V1040 1843	V1044 1844	181 1848	1832 1849	1833 2333	1834	1835	1838	1839	1840	1841	1842
29	Cancer of prostate	V1046	185	2334									

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
ICD-9-CM codes

30	Cancer of testis											
	V1047	1860	1869									
31	Cancer of other male genital organs											
	V1045	V1048	V1049	1871	1872	1873	1874	1875	1876	1877	1878	1879
	2335	2336										
32	Cancer of bladder											
	V1051	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	2337
33	Cancer of kidney and renal pelvis											
	V1052	1890	1891									
34	Cancer of other urinary organs											
	V1050	V1059	1892	1893	1894	1898	1899	2339				
35	Cancer of brain and nervous system											
	V1085	V1086	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
	1920	1921	1922	1923	1928	1929						
36	Cancer of thyroid											
	V1087	193										
37	Hodgkin's disease											
	V1072	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											
38	Non-Hodgkin's lymphoma											
	V1071	V1079	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	

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
 ICD-9-CM codes

39	Leukemias											
	V1060	V1061	V1062	V1063	V1069	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				
40	Multiple myeloma											
	2030	20300	20301	2038	20380	20381						
41	Cancer, other and unspecified primary											
	V1029	V1081	V1084	V1088	V1089	V109	V711	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								
42	Secondary malignancies											
	1960	1961	1962	1963	1965	1966	1968	1969	1970	1971	1972	1973
	1974	1975	1976	1977	1978	1980	1981	1982	1983	1984	1985	1986
	1987	19881	19882	19889								
43	Malignant neoplasm without specification of site											
	1990	1991										
44	Neoplasms of unspecified nature or uncertain behavior											
	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361
	2362	2363	2364	2365	2366	2367	23690	23691	23699	2370	2371	2372
	2373	2374	2375	2376	2377	23770	23771	23772	2379	2380	2381	2382
	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394
	2395	2396	2397	2398	2399							
45	Maintenance chemotherapy, radiotherapy											
	V580	V581	V661	V662	V671	V672						

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

		Diagnosis category ICD-9-CM codes											
46	Benign neoplasm of uterus	2180	2181	2182	2189	2190	2191	2198	2199				
47	Other and unspecified benign neoplasm	V1272	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								
48	Thyroid disorders	2400	2409	2410	2411	2419	24200	24201	24210	24211	24220	24221	24230
		24231	24240	24241	24280	24281	24290	24291	243	2440	2441	2442	2443
		2448	2449	2450	2451	2452	2453	2454	2458	2459	2460	2461	2462
		2463	2468	2469	7945								
49	Diabetes mellitus without complication	25000	25001	7902	7915	7916							
50	Diabetes mellitus with complications	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										
51	Other endocrine disorders	2510	2511	2512	2513	2514	2515	2518	2519	2520	2521	2528	2529
		2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541
		2548	2549	2550	2551	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	2598	2599	7946	
52	Nutritional deficiencies	V121	260	261	262	2630	2631	2632	2638	2639	2640	2641	2642
		2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2660	2661

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

		Diagnosis category ICD-9-CM codes											
		2662	2669	267	2680	2681	2682	2689	2690	2691	2692	2693	2698
		2699	7994										
53	Disorders of lipid metabolism												
		2720	2721	2722	2723	2724							
54	Gout and other crystal arthropathies												
		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		
55	Fluid and electrolyte disorders												
		2760	2761	2762	2763	2764	2765	2766	2767	2768	2769		
56	Cystic fibrosis												
		27700	27701										
57	Immunity disorders												
		27900	27901	27902	27903	27904	27905	27906	27909	27911	27912	27913	2792
		2793	2794	2798	2799								
58	Other nutritional, endocrine, and metabolic disorders												
		V122	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	2738	2739	2750	2751	2752	2753	2754	27540	27541
		27542	27549	2758	2759	2771	2772	2773	2774	2775	2776	2778	2779
		2780	27800	27801	2781	2782	2783	2784	2788	7831	7832	7833	7834
		7835	7839	7947	7957	79579							
59	Deficiency and other anemia												
		2800	2801	2808	2809	2810	2811	2812	2813	2814	2818	2819	2820
		2821	2822	2823	2824	2827	2828	2829	2830	2831	28310	28311	28319
		2832	2839	2840	2848	2849	2850	2858	2859				
60	Acute posthemorrhagic anemia												
		2851											

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes											
61	Sickle cell anemia	2825	28260	28261	28262	28263	28269						
62	Coagulation and hemorrhagic disorders	2860	2861	2862	2863	2864	2865	2866	2867	2869	2870	2871	2872
		2873	2874	2875	2878	2879	7827						
63	Diseases of white blood cells	2880	2881	2882	2883	2888	2889						
64	Other hematologic conditions	V123	V582	2890	2894	28950	28951	28959	2896	2897	2898	2899	7900
65	Mental retardation	317	3180	3181	3182	319							
66	Alcohol-related mental disorders	2910	2911	2912	2913	2914	2915	2918	29181	29189	2919	30300	30301
		30302	30303	30390	30391	30392	30393	30500	30501	30502	30503		
67	Substance-related mental disorders	V1582	2920	29211	29212	2922	29281	29282	29283	29284	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	3051	30510	30511	30512	30513	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								
68	Senility and organic mental disorders	2900	29010	29011	29012	29013	29020	29021	2903	29040	29041	29042	29043
		2908	2909	2930	2931	29381	29382	29383	29384	29389	2939	2940	2941
		2948	2949	3100	3101	3102	3108	3109	3310	3311	3312	797	
69	Affective disorders	29600	29601	29602	29603	29604	29605	29606	29610	29611	29612	29613	29614
		29615	29616	29620	29621	29622	29623	29624	29625	29626	29630	29631	29632
		29633	29634	29635	29636	29640	29641	29642	29643	29644	29645	29646	29650

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes											
		29651	29652	29653	29654	29655	29656	29660	29661	29662	29663	29664	29665
		29666	29667	29680	29681	29682	29689	29690	29699	2980	3004	30111	30113
70	Schizophrenia and related disorders												
		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
		29900	29901	29910	29911	29980	29981	29990	29991				
71	Other psychoses												
		2970	2971	2972	2973	2978	2979	2981	2982	2983	2984	2988	2989
72	Anxiety, somatoform, dissociative, and personality disorders												
		30000	30001	30002	30009	30010	30011	30012	30013	30014	30015	30016	30019
		30020	30021	30022	30023	30029	3003	3005	3006	3007	30081	30082	3010
		30110	30112	30120	30121	30122	3013	3014	30150	30151	30159	3016	3017
		30181	30182	30183	30184	30189	3019	30740	30741	30742	30743	30744	30745
		30747	30748	30749	30780	30781	30789	3079	3080	3081	3082	3083	3084
		3089	30981	31230	31231	31232	31233	31234	31235	31239			
73	Preadult disorders												
		30921	31200	31201	31202	31203	31210	31211	31212	31213	31220	31221	31222
		31223	3124	3128	31281	31282	31289	3129	3130	31321	31400	31401	3141
		3142	3148	3149									
74	Other mental conditions												
		30089	3009	3021	3022	3023	3024	30250	30251	30252	30253	3026	30270
		30271	30272	30273	30274	30275	30276	30279	30281	30282	30283	30284	30285
		30289	3029	3060	3061	3062	3063	3064	30650	30651	30652	30653	30659
		3066	3067	3068	3069	3070	3071	30720	30721	30722	30723	3073	30746
		30750	30751	30752	30753	30754	30759	3076	3077	3090	3091	30922	30923
		30924	30928	30929	3093	3094	30982	30983	30989	3099	311	3131	31322
		31323	3133	31381	31382	31383	31389	3139	31500	31501	31502	31509	3151
		3152	31531	31532	31539	3154	3155	3158	3159	316	7801		
75	Personal history of mental disorder, mental and behavioral problems, observation and screening for mental condition												
		V110	V111	V112	V113	V118	V119	V154	V1541	V1542	V1549	V400	V401
		V402	V403	V409	V663	V673	V701	V702	V7101	V7102	V7109	V790	V791
		V792	V793	V798	V799								

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
ICD-9-CM codes

76	Meningitis (except that caused by tuberculosis or sexually transmitted disease)											
	00321	0360	0470	0471	0478	0479	0490	0491	0530	05472	0721	10081
	11283	1142	11501	11511	11591	3200	3201	3202	3203	3207	3208	32081
	32082	32089	3209	3210	3211	3212	3213	3214	3218	3220	3221	3222
	3229											
77	Encephalitis (except that caused by tuberculosis or sexually transmitted disease)											
	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	
78	Other CNS infection and poliomyelitis											
	V1202	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								
79	Parkinson's disease											
	3320											
80	Multiple sclerosis											
	340											
81	Other hereditary and degenerative nervous system conditions											
	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	
82	Paralysis											
	3420	34200	34201	34202	3421	34210	34211	34212	34280	34281	34282	3429
	34290	34291	34292	3430	3431	3432	3433	3434	3438	3439	3440	34400
	34401	34402	34403	34404	34409	3441	3442	3443	34430	34431	34432	3444
	34440	34441	34442	3445	34460	3448	34481	34489	3449	7814		
83	Epilepsy, convulsions											
	3450	34500	34501	3451	34510	34511	3452	3453	3454	34540	34541	3455
	34550	34551	3456	34560	34561	3457	34570	34571	3458	34580	34581	3459
	34590	34591	7803	78031	78039							

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

		Diagnosis category ICD-9-CM codes											
84	Headache, including migraine	3460	34600	34601	3461	34610	34611	3462	34620	34621	3468	34680	34681
		3469	34690	34691	7840								
85	Coma, stupor, and brain damage	3481	7800	78001	78003	78009							
86	Cataract	V431	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										
87	Retinal detachments, defects, vascular occlusion, and retinopathy	36100	36101	36102	36103	36104	36105	36106	36107	36110	36111	36112	36113
		36114	36119	3612	36130	36131	36132	36133	36181	36189	3619	36201	36202
		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							
88	Glaucoma	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	36589	3659	
89	Blindness and vision defects	V410	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										
90	Inflammation, infection of eye (except that caused by tuberculosis or sexually transmitted disease)	0213	03281	05320	05321	05322	05329	05440	05441	05442	05443	05444	05449
		05571	0760	0761	0769	0770	0771	0772	0773	0774	0778	0779	07798
		07799	11502	11512	11592	1301	1302	1391	36000	36001	36002	36003	36004

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Clinical Classification Software—DIAGNOSES
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Diagnosis category
 ICD-9-CM codes

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								

91 Other eye disorders

V411	V425	V430	V456	V4561	V4569	V522	V531	V720	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	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										

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
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Diagnosis category
ICD-9-CM codes

92	Otitis media and related conditions											
	0552	38100	38101	38102	38103	38104	38105	38106	38110	38119	38120	38129
	3813	3814	38150	38151	38152	38160	38161	38162	38163	3817	38181	38189
	3819	38200	38201	38202	3821	3822	3823	3824	3829	38300	38301	38302
	3831	38320	38321	38322	38330	38331	38332	38333	38381	38389	3839	38420
	38421	38422	38423	38424	38425	38481	38482	3849	38500	38501	38502	38503
	38509	38510	38511	38512	38513	38519	38521	38522	38523	38524	3870	3871
	3872	3878	3879									
93	Conditions associated with dizziness or vertigo											
	38600	38601	38602	38603	38604	38610	38611	38612	38619	3862	38630	38631
	38632	38633	38634	38635	38640	38641	38642	38643	38648	38650	38651	38652
	38653	38654	38655	38656	38658	3868	3869	7804				
94	Other ear and sense organ disorders											
	V412	V413	V532	V721	38000	38001	38002	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			
95	Other nervous system disorders											
	V124	V1240	V1241	V1249	V415	V452	V484	V485	V493	V530	V5301	V5302
	V5309	325	3321	33720	33721	33722	33729	3410	3411	3418	3419	34461
	347	3480	3482	3483	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	3579	3580	3581	3582	3588	3589	3590	3591	3592	3593
	3594	3595	3596	3598	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			
96	Heart valve disorders											
	V422	V433	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								

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Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

		Diagnosis category ICD-9-CM codes											
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										
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												
		V4581	V4582	4110	4111	4118	41181	41189	412	4130	4131	4139	4140
		41400	41401	4148	4149								
102	Nonspecific chest pain												
		78650	78651	78659									
103	Pulmonary heart disease												
		4150	4151	41519	4160	4161	4168	4169	4170	4171	4178	4179	
104	Other and ill-defined heart disease												
		41410	41411	41419	4291	4292	4293	4295	4296	42971	42979	42981	42982
		42989	4299										
105	Conduction disorders												
		V450	V4500	V4501	V4502	V4509	V533	V5331	V5332	V5339	4260	42610	42611

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Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes											
		42612	42613	4262	4263	4264	42650	42651	42652	42653	42654	4266	4267
		42681	42689	4269									
106	Cardiac dysrhythmias												
		4270	4271	4272	42731	42732	42760	42761	42769	42781	42789	4279	7850
		7851											
107	Cardiac arrest and ventricular fibrillation												
		42741	42742	4275									
108	Congestive heart failure, nonhypertensive												
		39891	4280	4281	4289								
109	Acute cerebrovascular disease												
		430	431	4320	4321	4329	43301	43311	43321	43331	43381	43391	4340
		43400	43401	4341	43410	43411	4349	43490	43491	436			
110	Occlusion or stenosis of precerebral arteries												
		4330	43300	4331	43310	4332	43320	4333	43330	4338	43380	4339	43390
111	Other and ill-defined cerebrovascular disease												
		4370	4371	4373	4374	4375	4376	4377	4378	4379			
112	Transient cerebral ischemia												
		4350	4351	4352	4353	4358	4359						
113	Late effects of cerebrovascular disease												
		438	4380	43810	43811	43812	43819	43820	43821	43822	43830	43831	43832
		43840	43841	43842	43850	43851	43852	43853	43881	43882	43889	4389	
114	Peripheral and visceral atherosclerosis												
		4400	4401	4402	44020	44021	44022	44023	44029	4408	4409	4439	5570
		5571	5579										
115	Aortic, peripheral, and visceral artery aneurysms												
		4410	44100	44101	44102	44103	4411	4412	4413	4414	4415	4416	4417
		4419	4420	4421	4422	4423	44281	44282	44283	44284	44289	4429	

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Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes											
116	Aortic and peripheral arterial embolism or thrombosis	4440	4441	44421	44422	44481	44489	4449					
117	Other circulatory disease	V125	V1250	V1259	V151	V421	V432	V434	V717	4430	4431	44381	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	
118	Phlebitis, thrombophlebitis and thromboembolism	V1251	V1252	4510	45111	45119	4512	45181	45182	45183	45184	45189	4519
		452	4530	4531	4532	4533	4538	4539					
119	Varicose veins of lower extremity	4540	4541	4542	4549								
120	Hemorrhoids	4550	4551	4552	4553	4554	4555	4556	4557	4558	4559		
121	Other diseases of veins and lymphatics	4563	4564	4565	4566	4568	4570	4571	4572	4578	4579	4591	4592
		45981											
122	Pneumonia (except that caused by tuberculosis or sexually transmitted disease)	00322	0203	0204	0205	0212	0221	0310	0391	0521	0551	0730	0830
		1124	1140	1144	1145	11505	11515	11595	1304	1363	4800	4801	4802
		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
123	Influenza	4870	4871	4878									
124	Acute and chronic tonsillitis	463	4740	47400	47401	47402	47410	47411	47412	4742	4748	4749	475
125	Acute bronchitis	4660	4661	46611	46619								

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes											
126	Other upper respiratory infections												
		0320	0321	0322	0323	0340	460	4610	4611	4612	4613	4618	4619
		462	4640	46410	46411	46420	46421	46430	46431	4644	4650	4658	4659
		4730	4731	4732	4733	4738	4739						
127	Chronic obstructive pulmonary disease and bronchiectasis												
		490	4910	4911	4912	49120	49121	4918	4919	4920	4928	494	496
128	Asthma												
		49300	49301	49310	49311	49320	49321	49390	49391				
129	Aspiration pneumonitis, food/vomitus												
		5070											
130	Pleurisy, pneumothorax, pulmonary collapse												
		5100	5109	5110	5111	5118	5119	5120	5128	5180	5181	5182	
131	Respiratory failure, insufficiency, arrest (adult)												
		V461	5185	51881	51882	51883	51884	7991					
132	Lung disease due to external agents												
		4950	4951	4952	4953	4954	4955	4956	4957	4958	4959	500	501
		502	503	504	505	5060	5061	5062	5063	5064	5069	5071	5078
		5080	5081	5088	5089								
133	Other lower respiratory disease												
		V126	V426	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									
134	Other upper respiratory disease												
		V414	V440	V550	470	4710	4711	4718	4719	4720	4721	4722	4760
		4761	4770	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									

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Clinical Classification Software—DIAGNOSES
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Diagnosis category
 ICD-9-CM codes

135	Intestinal infection											
	0010	0011	0019	0020	0021	0022	0023	0029	0030	00320	00329	0038
	0039	0040	0041	0042	0043	0048	0049	0050	0051	0052	0053	0054
	0058	00581	00589	0059	0060	0061	0062	0063	0064	0065	0066	0068
	0069	0070	0071	0072	0073	0074	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					
136	Disorders of teeth and jaw											
	V523	V534	V585	V722	5200	5201	5202	5203	5204	5205	5206	5207
	5208	5209	5210	5211	5212	5213	5214	5215	5216	5217	5218	5219
	5220	5221	5222	5223	5224	5225	5226	5227	5228	5229	5230	5231
	5232	5233	5234	5235	5236	5238	5239	5240	52400	52401	52402	52403
	52404	52405	52406	52409	5241	52410	52411	52412	52419	5242	5243	5244
	5245	5246	52460	52461	52462	52463	52469	52470	52471	52472	52473	52474
	52479	5248	5249	5250	5251	5252	5253	5258	5259	5260	5261	5262
	5263	5264	5265	52681	52689	5269						
137	Diseases of mouth, excluding dental											
	5270	5271	5272	5273	5274	5275	5276	5277	5278	5279	5280	5281
	5282	5283	5284	5285	5286	5287	5288	5289	5290	5291	5292	5293
	5294	5295	5296	5298	5299	7924						
138	Esophageal disorders											
	4561	45621	5300	5301	53010	53011	53019	5302	5303	5304	5305	5306
	5308	53081	53083	53084	53089	5309						
139	Gastroduodenal ulcer (except hemorrhage)											
	V1271	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							
140	Gastritis and duodenitis											
	5350	53500	53501	5351	53510	53511	5352	53520	53521	5353	53530	53531
	5354	53540	53541	5355	53550	53551	5356	53560	53561			
141	Other disorders of stomach and duodenum											
	5360	5361	5362	5363	5368	5369	5370	5371	5372	5373	5374	5375
	5376	53781	53782	53783	53789	5379						

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Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes																																												
142	Appendicitis and other appendiceal conditions	5400	5401	5409	541	542	5430	5439																																						
143	Abdominal hernia	55000	55001	55002	55003	55010	55011	55012	55013	55090	55091	55092	55093	55100	55101	55102	55103	5511	55120	55121	55129	5513	5518	5519	55200	55201	55202	55203	5521	55220	55221	55229	5523	5528	5529	55300	55301	55302	55303	5531	55320	55321	55329	5533	5538	5539
144	Regional enteritis and ulcerative colitis	5550	5551	5552	5559	556	5560	5561	5562	5563	5564	5565	5566	5568	5569																															
145	Intestinal obstruction without hernia	5600	5601	5602	56030	56031	56039	56081	56089	5609																																				
146	Diverticulosis and diverticulitis	56200	56201	56202	56203	56210	56211	56212	56213																																					
147	Anal and rectal conditions	5646	5650	5651	566	5690	5691	5692	56941	56942	56949																																			
148	Peritonitis and intestinal abscess	03283	5670	5671	5672	5678	5679	5695																																						
149	Biliary tract disease	57400	57401	57410	57411	57420	57421	57430	57431	57440	57441	57450	57451	57460	57461	57470	57471	57480	57481	57490	57491	5750	5751	57510	57511	57512	5752	5753	5754	5755	5756	5758	5759	5760	5761	5762	5763	5764	5765	5768	5769	7933				
150	Liver disease, alcohol-related	5710	5711	5712	5713																																									
151	Other liver diseases	V427	570	5715	5716	5718	5719	5720	5721	5722	5723	5724	5728	5730	5734	5738	5739	7824	7891	7895	7904	7905	7948																							

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Appendix 3
Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes											
152	Pancreatic disorders (not diabetes)												
		5770	5771	5772	5778	5779	5794						
153	Gastrointestinal hemorrhage												
		4560	45620	5307	53082	53100	53101	53120	53121	53140	53141	53160	53161
		53200	53201	53220	53221	53240	53241	53260	53261	53300	53301	53320	53321
		53340	53341	53360	53361	53400	53401	53420	53421	53440	53441	53460	53461
		5693	5780	5781	5789								
154	Noninfectious gastroenteritis												
		5589											
155	Other gastrointestinal disorders												
		V127	V1270	V1279	V416	V441	V442	V443	V444	V453	V473	V535	V551
		V552	V553	V554	5581	5582	5640	5641	5645	5647	5648	56481	56489
		5649	5680	56881	56882	56889	5689	56981	56982	56983	56984	56985	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							
156	Nephritis, nephrosis, renal sclerosis												
		5800	5804	58081	58089	5809	5810	5811	5812	5813	58181	58189	5819
		5820	5821	5822	5824	58281	58289	5829	5830	5831	5832	5834	5836
		5837	58381	58389	5839	587							
157	Acute and unspecified renal failure												
		5845	5846	5847	5848	5849	586						
158	Chronic renal failure												
		V420	V451	V560	V561	V562	V568	585					
159	Urinary tract infections												
		03284	59000	59001	59010	59011	5902	5903	59080	59081	5909	5950	5951
		5952	5953	5954	59581	59582	59589	5959	5970	59780	59781	59789	59800
		59801	5990										
160	Calculus of urinary tract												
		V1301	5920	5921	5929	5940	5941	5942	5948	5949	7880		

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
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Diagnosis category
ICD-9-CM codes

161	Other diseases of kidney and ureters											
	5880	5881	5888	5889	5890	5891	5899	591	5930	5931	5932	5933
	5934	5935	5936	5937	59370	59371	59372	59373	59381	59382	59389	5939
162	Other diseases of bladder and urethra											
	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							
163	Genitourinary symptoms and ill-defined conditions											
	V130	V1300	V1309	V417	V435	V445	V4450	V4451	V4452	V4459	V446	V474
	V475	V536	V555	V556	5996	5997	5998	59989	5999	7881	7882	78820
	78821	78829	7883	78830	78831	78832	78833	78834	78835	78836	78837	78839
	7884	78841	78842	78843	7885	7886	78861	78862	78869	7887	7888	7889
	7910	7911	7912	7913	7914	7917	7919	7935	7944			
164	Hyperplasia of prostate											
	600											
165	Inflammatory conditions of male genital organs											
	6010	6011	6012	6013	6014	6018	6019	6031	6040	60490	60491	60499
	6071	6072	6080	6084								
166	Other male genital disorders											
	6020	6021	6022	6028	6029	6030	6038	6039	605	6060	6061	6068
	6069	6070	6073	60781	60782	60783	60784	60789	6079	6081	6082	6083
	60881	60883	60884	60885	60886	60889	6089	7922				
167	Nonmalignant breast conditions											
	6100	6101	6102	6103	6104	6108	6109	6110	6111	6112	6113	6114
	6115	6116	61171	61172	61179	6118	6119					
168	Inflammatory diseases of female pelvic organs											
	6140	6141	6142	6143	6144	6145	6146	6147	6148	6149	6150	6151
	6159	6160	61610	61611	6162	6163	6164	61650	61651	6168	6169	
169	Endometriosis											
	6170	6171	6172	6173	6174	6175	6176	6178	6179			

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes											
170	Prolapse of female genital organs	6180	6181	6182	6183	6184	6185	6186	6187	6188	6189		
171	Menstrual disorders	6253	6260	6261	6262	6263	6264	6265	6266	6268	6269		
172	Ovarian cyst	6200	6201	6202									
173	Menopausal disorders	V074	6270	6271	6272	6273	6274	6278	6279				
174	Female infertility	6280	6281	6282	6283	6284	6288	6289					
175	Other female genital disorders	V132	V557	V723	6190	6191	6192	6198	6199	6203	6204	6205	6206
		6207	6208	6209	6210	6211	6212	6213	6214	6215	6216	6217	6218
		6219	6220	6221	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	6298	6299					
176	Contraceptive and procreative management	V157	V2501	V2502	V2509	V251	V252	V253	V2540	V2541	V2542	V2543	V2549
		V255	V258	V259	V260	V261	V262	V263	V264	V2651	V2652	V268	V269
		V455	V4551	V4552	V4559								
177	Spontaneous abortion	63400	63401	63402	63410	63411	63412	63420	63421	63422	63430	63431	63432
		63440	63441	63442	63450	63451	63452	63460	63461	63462	63470	63471	63472
		63480	63481	63482	63490	63491	63492						
178	Induced abortion	63500	63501	63502	63510	63511	63512	63520	63521	63522	63530	63531	63532
		63540	63541	63542	63550	63551	63552	63560	63561	63562	63570	63571	63572
		63580	63581	63582	63590	63591	63592	63600	63601	63602	63610	63611	63612
		63620	63621	63622	63630	63631	63632	63640	63641	63642	63650	63651	63652
		63660	63661	63662	63670	63671	63672	63680	63681	63682	63690	63691	63692
		63700	63701	63702	63710	63711	63712	63720	63721	63722	63730	63731	63732

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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		Diagnosis category ICD-9-CM codes											
		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								
179	Postabortion complications												
		6390	6391	6392	6393	6394	6395	6396	6398	6399			
180	Ectopic pregnancy												
		6330	6331	6332	6338	6339							
181	Other complications of pregnancy												
		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											
182	Hemorrhage during pregnancy, abruptio placenta, placenta previa												
		64000	64001	64003	64080	64081	64083	64090	64091	64093	64100	64101	64103
		64110	64111	64113	64120	64121	64123	64130	64131	64133	64180	64181	64183
		64190	64191	64193									
183	Hypertension complicating pregnancy, childbirth and the puerperium												
		64200	64201	64202	64203	64204	64210	64211	64212	64213	64214	64220	64221
		64222	64223	64224	64230	64231	64232	64233	64234	64240	64241	64242	64243
		64244	64250	64251	64252	64253	64254	64260	64261	64262	64263	64264	64270
		64271	64272	64273	64274	64290	64291	64292	64293	64294			
184	Early or threatened labor												
		64400	64403	64410	64413	64420	64421						

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Clinical Classification Software—DIAGNOSES
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		Diagnosis category ICD-9-CM codes											
185	Prolonged pregnancy	64500	64501	64503									
186	Diabetes or abnormal glucose tolerance complicating pregnancy, childbirth, or the puerperium	64800	64801	64802	64803	64804	64880	64881	64882	64883	64884		
187	Malposition, malpresentation	65200	65201	65203	65210	65211	65213	65220	65221	65223	65230	65231	65233
		65240	65241	65243	65250	65251	65253	65260	65261	65263	65270	65271	65273
		65280	65281	65283	65290	65291	65293	66000	66001	66003			
188	Fetopelvic disproportion, obstruction	65300	65301	65303	65310	65311	65313	65320	65321	65323	65330	65331	65333
		65340	65341	65343	65350	65351	65353	65360	65361	65363	65370	65371	65373
		65380	65381	65383	65390	65391	65393	66010	66011	66013	66020	66021	66023
		66030	66031	66033	66040	66041	66043	66050	66051	66053	66060	66061	66063
		66070	66071	66073	66080	66081	66083	66090	66091	66093			
189	Previous C-section	65420	65421	65423									
190	Fetal distress and abnormal forces of labor	66130	66131	66133	66140	66141	66143	66190	66191	66193	66200	66201	66203
		66210	66211	66213	66220	66221	66223	66230	66231	66233			
191	Polyhydramnios and other problems of amniotic cavity	65700	65701	65703	65800	65801	65803	65810	65811	65813	65820	65821	65823
		65830	65831	65833	65840	65841	65843	65880	65881	65883	65890	65891	65893
		7923											
192	Umbilical cord complication	66300	66301	66303	66310	66311	66313	66320	66321	66323	66330	66331	66333
		66340	66341	66343	66350	66351	66353	66360	66361	66363	66380	66381	66383
		66390	66391	66393									
193	Trauma to perineum and vulva	66400	66401	66404	66410	66411	66414	66420	66421	66424	66430	66431	66434
		66440	66441	66444	66450	66451	66454	66480	66481	66484	66490	66491	66494

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
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Diagnosis category
 ICD-9-CM codes

194	Forceps delivery											
	66950	66951										
195	Other complications of birth, puerperium affecting management of mother											
	V230	V231	V232	V233	V234	V235	V237	V238	V2381	V2382	V2383	V2384
	V2389	V239	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	66884	66890	66891
	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	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				
196	Normal pregnancy and/or delivery											
	V220	V221	V222	V240	V241	V242	V270	V271	V272	V273	V274	V275
	V276	V277	V279	V724	650	65100	65101	65110	65111	65120	65121	65180
	65181	65190	65191									

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Clinical Classification Software—DIAGNOSES
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Diagnosis category
 ICD-9-CM codes

197	Skin and subcutaneous tissue infections											
	0201	0210	0220	0311	03285	035	0390	6800	6801	6802	6803	6804
	6805	6806	6807	6808	6809	68100	68101	68102	68110	68111	6819	6820
	6821	6822	6823	6824	6825	6826	6827	6828	6829	684	6850	6851
	6860	68600	68601	68609	6861	6868	6869					
198	Other inflammatory condition of skin											
	690	69010	69011	69012	69018	6908	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						
199	Chronic ulcer of skin											
	7070	7071	7078	7079								
200	Other skin disorders											
	V133	V423	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	70581	70582	70583	70589	7059
	7060	7061	7062	7063	7068	7069	7090	70900	70901	70909	7091	7092
	7093	7094	7098	7099	7808	7821	7822					
201	Infective arthritis and osteomyelitis (except that caused by tuberculosis or sexually transmitted disease)											
	00323	00324	0261	03682	05671	71100	71101	71102	71103	71104	71105	71106
	71107	71108	71109	71110	71111	71112	71113	71114	71115	71116	71117	71118
	71119	71120	71121	71122	71123	71124	71125	71126	71127	71128	71129	71130
	71131	71132	71133	71134	71135	71136	71137	71138	71139	71140	71141	71142
	71143	71144	71145	71146	71147	71148	71149	71150	71151	71152	71153	71154
	71155	71156	71157	71158	71159	71160	71161	71162	71163	71164	71165	71166
	71167	71168	71169	71170	71171	71172	71173	71174	71175	71176	71177	71178
	71179	71180	71181	71182	71183	71184	71185	71186	71187	71188	71189	71190
	71191	71192	71193	71194	71195	71196	71197	71198	71199	73000	73001	73002
	73003	73004	73005	73006	73007	73008	73009	73010	73011	73012	73013	73014
	73015	73016	73017	73018	73019	73020	73021	73022	73023	73024	73025	73026
	73027	73028	73029	73030	73031	73032	73033	73034	73035	73036	73037	73038
	73039	73070	73071	73072	73073	73074	73075	73076	73077	73078	73079	73080
	73081	73082	73083	73084	73085	73086	73087	73088	73089	73090	73091	73092
	73093	73094	73095	73096	73097	73098	73099					
202	Rheumatoid arthritis and related disease											
	7140	7141	7142	71430	71431	71432	71433	7144	71481	71489	7149	7200

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Diagnosis category
ICD-9-CM codes

203	Osteoarthritis											
	V134	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						
204	Other non-traumatic joint disorders											
	7130	7131	7132	7133	7134	7135	7136	7137	7138	71600	71601	71602
	71603	71604	71605	71606	71607	71608	71609	71620	71621	71622	71623	71624
	71625	71626	71627	71628	71629	71630	71631	71632	71633	71634	71635	71636
	71637	71638	71639	71640	71641	71642	71643	71644	71645	71646	71647	71648
	71649	71650	71651	71652	71653	71654	71655	71656	71657	71658	71659	71660
	71661	71662	71663	71664	71665	71666	71667	71668	71680	71681	71682	71683
	71684	71685	71686	71687	71688	71689	71690	71691	71692	71693	71694	71695
	71696	71697	71698	71699	71810	71811	71812	71813	71814	71815	71817	71818
	71819	71820	71821	71822	71823	71824	71825	71826	71827	71828	71829	71850
	71851	71852	71853	71854	71855	71856	71857	71858	71859	71860	71865	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	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							
207	Pathological fracture											
	7331	73310	73311	73312	73313	73314	73315	73316	73319			

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Appendix 3
Clinical Classification Software—DIAGNOSES
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Diagnosis category
 ICD-9-CM codes

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					
211	Other connective tissue disease											
	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
	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
	72789	7279	7280	72810	72811	72812	72813	72819	7282	7283	7284	7285
	7286	72871	72879	72881	72882	72883	72884	72885	72886	72889	7289	7290
	7291	7292	72930	72931	72939	7294	7295	7296	72981	72982	72989	7299
	7819	7937										
212	Other bone disease and musculoskeletal deformities											
	V424	V486	V487	V494	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									
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

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		Diagnosis category ICD-9-CM codes											
		74710	74711	74720	74721	74722	74729	7473	74740	74741	74742	74749	7475
		7476	74760	74761	74762	74763	74764	74769	74781	74782	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												
		V1361	7520	75210	75211	75219	7522	7523	75240	75241	75242	75249	7525
		75251	75252	7526	75261	75262	75263	75264	75265	75269	7527	7528	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
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												
		V136	V1369	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	7584	7585
		7586	7587	7588	75881	75889	7589	7590	7591	7592	7593	7594	7595
		7596	7597	7598	75981	75982	75983	75989	7599	7952			
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

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

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Diagnosis category ICD-9-CM codes												
	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						
220	Intrauterine hypoxia and birth asphyxia											
	7680	7681	7682	7683	7684	7685	7686	7689				
221	Respiratory distress syndrome											
	769											
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	7672	7673	7674	7675	7676	7677	7678	7679		
224	Other perinatal conditions											
	V137	V502	7600	7601	7602	7603	7604	7605	7606	76070	76071	76072
	76073	76074	76075	76076	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	76389	7639	7660	7661	7662	7700	7701	7702	7703
	7704	7705	7706	7707	7708	7709	7710	7711	7712	7713	7714	7715
	7716	7717	7718	7720	7721	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	7798	7799					
225	Joint disorders and dislocations, trauma-related											
	71610	71611	71612	71613	71614	71615	71616	71617	71618	71619	7170	7171

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Diagnosis category
ICD-9-CM codes

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							
226	Fracture of neck of femur (hip)											
	82000	82001	82002	82003	82009	82010	82011	82012	82013	82019	82020	82021
	82022	82030	82031	82032	8208	8209	9053					
227	Spinal cord injury											
	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	99655	99656	99668			
228	Skull and face fractures											
	80000	80001	80002	80003	80004	80005	80006	80009	80050	80051	80052	80053
	80054	80055	80056	80059	80100	80101	80102	80103	80104	80105	80106	80109
	80150	80151	80152	80153	80154	80155	80156	80159	8020	8021	80220	80221
	80222	80223	80224	80225	80226	80227	80228	80229	80230	80231	80232	80233
	80234	80235	80236	80237	80238	80239	8024	8025	8026	8027	8028	8029
	80300	80301	80302	80303	80304	80305	80306	80309	80350	80351	80352	80353
	80354	80355	80356	80359	80400	80401	80402	80403	80404	80405	80406	80409
	80450	80451	80452	80453	80454	80455	80456	80459	9050			
229	Fracture of upper limb											
	81000	81001	81002	81003	81010	81011	81012	81013	81100	81101	81102	81103
	81109	81110	81111	81112	81113	81119	81200	81201	81202	81203	81209	81210
	81211	81212	81213	81219	81220	81221	81230	81231	81240	81241	81242	81243
	81244	81249	81250	81251	81252	81253	81254	81259	81300	81301	81302	81303

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Diagnosis category
ICD-9-CM codes

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	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									
230	Fracture of lower limb										
82100	82101	82110	82111	82120	82121	82122	82123	82129	82130	82131	82132
82133	82139	8220	8221	82300	82301	82302	82310	82311	82312	82320	82321
82322	82330	82331	82332	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							
231	Other fractures										
V540	V664	V674	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								
232	Sprains and strains										
8400	8401	8402	8403	8404	8405	8406	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				
233	Intracranial injury										
80010	80011	80012	80013	80014	80015	80016	80019	80020	80021	80022	80023
80024	80025	80026	80029	80030	80031	80032	80033	80034	80035	80036	80039
80040	80041	80042	80043	80044	80045	80046	80049	80060	80061	80062	80063
80064	80065	80066	80069	80070	80071	80072	80073	80074	80075	80076	80079
80080	80081	80082	80083	80084	80085	80086	80089	80090	80091	80092	80093
80094	80095	80096	80099	80110	80111	80112	80113	80114	80115	80116	80119
80120	80121	80122	80123	80124	80125	80126	80129	80130	80131	80132	80133
80134	80135	80136	80139	80140	80141	80142	80143	80144	80145	80146	80149

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Diagnosis category
ICD-9-CM codes

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	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

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
ICD-9-CM codes

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							
237 Complication of device, implant or graft											
41402	41403	41404	41405	44030	44031	44032	56960	56961	56969	99600	99601
99602	99603	99604	99609	9961	9962	99630	99631	99632	99639	9964	99651
99652	99653	99654	99655	99656	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	99689
99690	99691	99692	99693	99694	99695	99696	99699				
238 Complications of surgical procedures or medical care											
3490	3491	41511	4294	4582	5121	5190	51900	51901	51902	51909	53640
53641	53642	53649	56962	5642	5643	5644	5696	56962	5793	9093	9954
99586	9970	99700	99701	99702	99709	9971	9972	9973	9974	9975	99760
99761	99762	99769	9979	99791	99799	9980	9981	99811	99812	99813	9982
9983	9984	9985	99851	99859	9986	9987	9988	99881	99882	99883	99889
9989	9990	9991	9992	9993	9994	9995	9996	9997	9998	9999	

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
 ICD-9-CM codes

239 Superficial injury, contusion

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

240 Burns

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

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
 ICD-9-CM codes

241	Poisoning by psychotropic agents											
	9690	9691	9692	9693	9694	9695	9696	9697	9698	9699		
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	9800	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											
	V155	V156	V713	V714	V715	V716	7960	7990	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	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		

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
 ICD-9-CM codes

245	Syncope											
	7802											
246	Fever of unknown origin											
	7806											
247	Lymphadenitis											
	2891	2892	2893	683	7856							
248	Gangrene											
	44024	7854										
249	Shock											
	78550	78551	78559									
250	Nausea and vomiting											
	7870	78701	78702	78703								
251	Abdominal pain											
	7890	78900	78901	78902	78903	78904	78905	78906	78907	78909	78960	78961
	78962	78963	78964	78965	78966	78967	78969					
252	Malaise and fatigue											
	7807	78071	78079									
253	Allergic reactions											
	V071	V140	V141	V142	V143	V144	V145	V146	V147	V148	V149	V150
	V727	5186	6910	6918	6920	6921	6922	6923	6924	6925	6926	69270
	69271	69272	69273	69274	69279	69281	69282	69283	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		
254	Rehabilitation care, fitting of prostheses, and adjustment of devices											
	V520	V521	V524	V528	V529	V538	V570	V571	V572	V5721	V5722	V573
	V574	V5781	V5789	V579	V5882							

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

Appendix 3
Clinical Classification Software—DIAGNOSES
(with all coding changes valid from January 1980 through September 1999)

Diagnosis category
ICD-9-CM codes

255	Administrative/social admission											
	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	V652
	V653	V654	V6540	V6541	V6542	V6543	V6544	V6545	V6549	V655	V658	V659
	V680	V681	V682	V6881	V6889	V689						
256	Medical examination/evaluation											
	V290	V291	V292	V293	V298	V299	V700	V703	V704	V705	V706	V707
	V708	V709	V718	V719	V725	V726	V728	V7281	V7282	V7283	V7284	V7285
	V729											
257	Other aftercare											
	V51	V539	V548	V549	V558	V559	V583	V584	V5841	V5849	V5861	V5862
	V5869	V588	V5881	V5889	V589	V660	V665	V666	V667	V669	V670	V6751
	V6759	V676	V679									
258	Other screening for suspected conditions (not mental disorders or infectious disease)											
	V280	V281	V282	V283	V284	V285	V288	V289	V760	V761	V7610	V7611
	V7612	V7619	V762	V763	V7641	V7642	V7643	V7644	V7645	V7649	V768	V769
	V770	V771	V772	V773	V774	V775	V776	V777	V778	V779	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	V829
259	Residual codes, unclassified											
	V070	V072	V073	V0731	V0739	V078	V079	V131	V138	V139	V152	V153
	V1581	V1584	V1585	V1586	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	V180	V181	V182	V183
	V184	V185	V186	V1861	V1869	V187	V188	V190	V191	V192	V193	V194
	V195	V196	V197	V198	V210	V211	V212	V218	V219	V418	V419	V428
	V4281	V4282	V4283	V4289	V429	V438	V4381	V4382	V4383	V4389	V447	V448
	V449	V4571	V4572	V4573	V4583	V4589	V460	V468	V469	V470	V471	V472
	V479	V480	V488	V489	V498	V499	V500	V501	V503	V5041	V5042	V5049
	V508	V509	V590	V5901	V5902	V5909	V591	V592	V593	V594	V595	V596
	V598	V599	V615	V640	V641	V642	V643	V644	V690	V691	V692	V693
	V698	V699	3020	78002	78050	78051	78052	78053	78054	78055	78056	78057
	78059	7809	7815	7816	7823	78261	78262	7828	7829	7830	7836	7842
	7901	7903	7906	7909	79091	79092	79093	79094	79099	7929	7932	7938
	7939	7949	7954	7963	7964	7965	7969	7980	7981	7982	7989	7992
	7993	7998	7999									

Source: AHRQ, Center for Organization and Delivery Studies, Healthcare Cost and Utilization Project (HCUP).

**Appendix 4:
List of Priority Conditions**

LIST OF PRIORITY CONDITIONS

A. LONG-TERM, LIFE THREATENING CONDITIONS:

Cancer (of any body part)

cancer
tumor
malignancy
malignant tumor
carcinoma
sarcoma
lymphoma
Hodgkin's disease
leukemia
melanoma
metastasis
neuroma
adenoma

Diabetes

diabetes
diabetes mellitus
high blood sugar
juvenile diabetes
(Type I diabetes)
adult-onset diabetes
(Type II diabetes)
diabetic neuropathy

Emphysema

emphysema
chronic obstructive pulmonary
disease (COPD)
chronic bronchitis (MUST use the
word 'chronic', only for adults)
Chronic obstructive bronchitis (MUST
use the word 'chronic', only for
adults)
smokers cough

High Cholesterol

high cholesterol
high or elevated triglycerides
hyperlipidemia
hypercholesterolemia

HIV/AIDS

HIV
AIDS

Hypertension

hypertension
high blood pressure

Ischemic Heart Disease

ischemic heart disease (MUST use
the word 'ischemic')
angina
angina pectoris
coronary artery disease
blocked, obstructed, or occluded
coronary arteries
arteriosclerosis
myocardial infarction
heart attack

Stroke

stroke
cerebral hemorrhage
cerebral aneurysm
transient ischemic accident
transient ischemic attack
apoplexy
carotid artery blockage
arterial thrombosis in brain
blood clot in brain

B. CHRONIC, MANAGEABLE CONDITIONS:

Arthritis

anything with the word 'arthritis'
rheumatoid arthritis
degenerative arthritis
osteoarthritis
bursitis
rheumatism

Asthma

anything with the word 'asthma' or
'asthmatic'

Gall Bladder Disease

gall bladder disease, trouble,
attacks, infection, or problems
gallstones

Stomach Ulcers

stomach ulcer
duodenal ulcer
peptic ulcer
bleeding ulcer
ulcerated stomach
perforated ulcer

Back Problems of Any Kind

back problems or pain of any kind
(lower or upper back)
sore, hurt, injured, or stiff back
backache
anything with the words 'vertebra',
'vertebrae', 'lumbar', 'spine', or
'spinal'
strained or pulled muscle in back
sprained back
muscle spasms
back spasms
bad back
lumbago
sciatica or sciatic nerve problems
disc problems: herniated, ruptured,
slipped, compressed, extruded,
dislocated, deteriorated, or
misaligned discs

C. MENTAL HEALTH ISSUES:

Alzheimer's Disease and Other Dementias

anything with the words 'Alzheimer's' or 'dementia'
organic brain syndrome

Depression and Anxiety Disorders

depression (including severe, chronic, or major depression)
dysthymia
dysthymic disorder
bipolar disorder
manic depression or manic depressive illness
anxiety attacks
panic attacks
anxiety
nerves
nervous condition
nervous breakdown