

**MEPS HC-016E:  
1997 Emergency Room Visits**

**Agency for Healthcare Research and Quality  
Center for Cost and Financing Studies**

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## **A. Data Use Agreement**

Individual identifiers have been removed from the microdata 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-1), data collected by the Agency for Healthcare Research and Quality (AHRQ) and/or the National Center for Health Statistics (NCHS) may not be used for any purpose other than for the purpose for which they were supplied; any effort to determine the identity of any reported cases, is prohibited by law.

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

1. No one is to use the data in this data set in any way except for statistical reporting and analysis.
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 these data you signify your agreement to comply with the above-stated statutorily based requirements, with the knowledge that deliberately making a false statement in any matter within the jurisdiction of any department or agency of the Federal Government violates 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 also includes a nationally representative survey of nursing homes and their residents. MEPS is cosponsored by the Agency for Healthcare Research and Quality (AHRQ) (formerly the Agency for Health Care Policy and Research (AHCPR)) and the National Center for Health Statistics (NCHS).

MEPS comprises four component surveys: the Household Component (HC), the Medical Provider Component (MPC), the Insurance Component (IC), and the Nursing Home Component (NHC). The HC is the core survey, and it forms the basis for the MPC sample and part of the IC sample. The separate NHC sample supplements the other MEPS components. 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, also known as NMES-1) was conducted in 1977. The National Medical Expenditure Survey (NMES-2) was conducted in 1987. Beginning in 1996, MEPS continues 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 accommodate these goals, new MEPS design features include linkage with the National Health Interview Survey (NHIS), from which the sampling frame for the MEPS HC is drawn, and continuous 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**

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 two 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, conducted by NCHS. NHIS provides a nationally representative sample of the U.S. civilian noninstitutionalized population, with oversampling of Hispanics and blacks.

## **2.0 Medical Provider Component**

The MEPS MPC supplements and validates 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 hospitals, hospital physicians, home health agencies, and pharmacies reported in the HC. Also included in the MPC are all office-based physicians who:

- were identified by the household respondent as providing care for HC respondents receiving Medicaid.
- were selected through a 75-percent sample of HC households receiving care through an HMO (health maintenance organization) or managed care plan.
- were selected through a 25-percent sample of the remaining HC households.

Data are collected on medical and financial characteristics of medical and pharmacy events reported by HC respondents, including:

- Diagnoses coded according to ICD-9-CM (9th Revision, International Classification of Diseases) and DSM-IV (Fourth Edition, *Diagnostic and Statistical Manual of Mental Disorders*).
- Physician procedure codes classified by CPT-4 (Common Procedure Terminology, Version 4).
- Inpatient stay codes classified by DRGs (diagnosis-related groups).

- Prescriptions coded by national drug code (NDC), medication name, strength, and quantity dispensed.
- Charges, payments, and the reasons for any difference between charges and payments.

The MPC is conducted through telephone interviews and mailed survey materials. In some instances, providers sent medical and billing records which were abstracted into the survey instruments.

### **3.0 Insurance Component**

The MEPS IC collects data on health insurance plans obtained through employers, unions, and other sources of private health insurance. 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, eligibility requirements, and employer characteristics.

Establishments participating in the MEPS IC are selected through four 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 Bureau of the Census.
- An Internal Revenue Service list of the self-employed.

To provide an integrated picture of health insurance, data collected from the first sampling frame (employers and insurance providers) are linked back to data provided by the MEPS HC respondents. Data from the other three sampling frames are collected to provide annual national and State estimates of the supply of private health insurance available to American workers and to evaluate policy issues pertaining to health insurance.

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

### **4.0 Nursing Home Component**

The 1996 MEPS NHC was a survey of nursing homes and persons residing in or admitted to nursing homes at any time during calendar year 1996. The NHC gathered information on the demographic characteristics, residence history, health and functional status, use of services, use of prescription medicines, and health care expenditures of nursing home residents. Nursing home administrators and

designated staff also provided information on facility size, ownership, certification status, services provided, revenues and expenses, and other facility characteristics. Data on the income, assets, family relationships, and care-giving services for sampled nursing home residents were obtained from next-of-kin or other knowledgeable persons in the community.

The 1996 MEPS NHC sample was selected using a two-stage stratified probability design. In the first stage, facilities were selected; in the second stage, facility residents were sampled, selecting both persons in residence on January 1, 1996, and those admitted during the period January 1 through December 31.

The sample frame for facilities was derived from the National Health Provider Inventory, which is updated periodically by NCHS. The MEPS NHC data were collected in person in three rounds of data collection over a 1½-year period using the CAPI system. Community data were collected by telephone using computer-assisted telephone interviewing (CATI) technology. At the end of three rounds of data collection, the sample consisted of approximately 815 responding facilities, 3,209 residents in the facility on January 1, and 2,690 eligible residents admitted during 1996.

## **5.0 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 and microdata files. Summary reports are released as printed documents and electronic files. Microdata files are released on CD-ROM and/or as electronic files.

Printed documents and 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  
800/358-9295  
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 from 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 and Programming Information**

### **1.0 General Information**

This documentation describes one in a series of public use event files from the 1997 Medical Expenditure Panel Survey (MEPS) Household (HC) and Medical Provider Components (MPC). Released as an ASCII data file and SAS transport file, this public use file provides detailed information on emergency room visits for a nationally representative sample of the civilian noninstitutionalized population of the United States and can be used to make estimates of emergency room utilization and expenditures for calendar year 1997. Each record on this file represents a unique emergency room visit reported by a household respondent during the 1997 portion of Round 3 and Rounds 4 and 5 for Panel 1, as well as Rounds 1, 2 and the 1997 portion of Round 3 for Panel 2 (i.e., the Rounds for the MEPS panels covering calendar year 1997). Emergency room events reported in Round 3 and known to have begun after December 31, 1997 are not included on this file. In addition to expenditures related to this event, each record contains household reported medical conditions and procedures associated with the emergency room visit.

Data from this event file can be merged with other MEPS HC data files, for the purpose of appending person characteristics such as demographic or health insurance coverage to each emergency room visit record.

Counts of emergency room visits are based entirely on household reports. Information from the MEPS MPC was used to supplement expenditure and payment data reported by the household.

This file can be also used to construct summary variables of expenditures, sources of payment, and related aspects of emergency room visits. Aggregate annual person-level information on the use of emergency rooms and other health services use in 1997 is provided on the MEPS 1997 Person Level Use and Expenditure File where each record represents a MEPS sampled person.

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 programming information. It contains the following sections:

- Data File Information
- Sample Weights and Variance Estimation Variables
- Merging MEPS Data Files
- References
- Codebook
- Variable - Source Crosswalk

Any variables not found on this file but released on previous MEPS Emergency Room Visits Files were excluded due to the fact that they only contained missing data.

For more information on MEPS HC survey design see S. Cohen, 1997; J. Cohen, 1997; and S. Cohen, 1996. For information on the MEPS MPC design, see S. Cohen, 1998. A copy of the survey instrument used to collect the information on this file is available on the MEPS web site at the following address: <<http://www.meps.ahrq.gov>>.

## **2.0 Data File Information**

This public use data release consists of two event-level data files. File 1 contains characteristics associated with the emergency room visit and imputed expenditure data. File 2 contains selected survey administration and ID variables, as well as pre-imputed and un-imputed expenditure data from both the Household and Medical Provider Components for all emergency room visits on File 1. Please see Attachment 1 for definitions of imputed, un-imputed, and pre-imputed expenditure variables.

Both Files 1 and 2 of this public use data set contain variables and frequency distributions for a total of 5975 emergency room visits reported during the 1997 portion of Round 3 and Rounds 4 and 5 for Panel 1, as well as Rounds 1, 2 and the 1997 portion of Round 3 for panel 2 (i.e., the Rounds for the MEPS panels covering calendar year 1997) of the MEPS Household Component. These files include emergency room visit records for all household survey respondents who resided in eligible responding households and reported at least one emergency room visit. Records where the emergency room visit was known to have begun after December 31, 1997 are not included on this file. Of these records, 5703 were associated with persons having positive person-level weights (WTDPER97). The persons represented on this file had to meet either (a) or (b):

- (a) Be classified as a key, in-scope person who responded for his or her entire period of 1997 eligibility (i.e., persons with a positive 1997 full-year person-level sampling weight (WTDPER97>0)), or
- (b) Be classified as either an eligible, non-key person or an eligible out-of-scope person who responded for his or her entire period of 1997 eligibility, and belonged to a family (i.e., all persons with the same value for a particular FAMID variable) in which all eligible family members responded for their entire period of 1997 eligibility, and at least one family member has a positive 1997 full-year person weight (i.e., eligible non-key or eligible out-of-scope persons who are members of a family all of whose members have a positive 1997 full-year MEPS family-level weight (WTFAM97>0)).

Please refer to Attachment 1 for definitions of keyness, in-scope and eligibility. Persons with no emergency room visits for 1997 are not included on this file (but are represented on MEPS person-

level files). Codebooks for both data files are included in Section D of this documentation. For each variable on the file in the codebook, both weighted and unweighted frequencies are provided.

Each emergency room visit record on File 1 includes the following: date of the visit; whether or not person saw doctor; type of care received; type of services (i.e. lab test, sonogram or ultrasound, x-rays etc.) received, medicines prescribed during the visit; flat fee information; imputed sources of payment; total payment and total charge; and a full-year person-level weight.

File 2 of this public use data set is intended for analysts who want to perform their own imputations to handle missing expenditure data. This file contains one set of pre-imputed expenditure information from the Medical Provider Component followed by one set of pre-imputed expenditure information from the Household Component. Please see Attachment 1 for definitions of pre-imputed and unimputed expenditure variables. Both sets of expenditure data have been subject to minimal logical editing that accounted for outliers, copayments or charges reported as total payments, and reimbursed amounts that were reported as out-of-pocket payments. In addition, edits were implemented to correct for misclassifications between Medicare and Medicaid and between Medicare HMO's and private HMO's as payment sources. However, missing data were not imputed.

Data from these files can be merged with the previously released MEPS 1997 Full Year Population Characteristics File using the unique person identifier, DUPERSID, to append person level information, such as demographic or health insurance characteristics, to each record. Emergency room events can also be linked to the MEPS 1997 Medical Conditions File (HC-018) and the MEPS 1997 Prescribed Medicines File (HC-16A). The Appendix to MEPS 1997 Event Files (Appendix File) contains details on how to link MEPS data files.

Panel 1 cases (PANEL97 = 1 on the 1997 Full Year Population Characteristics File) can also be linked back to the 96 MEPS HC public use data files. However, the user should be aware that, at this time, no weight is being provided to facilitate two year analysis of Panel 1 data.

## 2.1 Codebook Structure

For each variable on these files, both weighted and unweighted frequencies are provided. The codebook and data file sequence list variables in the following order:

### File 1

- Unique person identifiers
- Unique emergency room event identifiers
- Other survey administration variables
- Emergency room characteristic variables
- ICD-9 condition and procedure codes
- Clinical Classification Software codes
- Imputed expenditure variables
- Weight and variance estimation variables

## File 2

- Unique person identifiers
- Unique emergency room event identifiers
- Pre-imputed expenditure variables
- Unimputed expenditure variables

## 2.2 Reserved Codes

The following reserved code values are used:

<b>Value</b>	<b>Definition</b>
-1 INAPPLICABLE	Question was not asked due to skip pattern.
-7 REFUSED	Question was asked and respondent refused to answer question.
-8 DK	Question was asked and respondent did not know answer.
-9 NOT ASCERTAINED	Interviewer did not record the data.

Generally, values of -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.

## 2.3 Codebook Format

This codebook describes an ASCII data set (although the data are also being provided in a SAS transport file). The following codebook items are provided for each variable:

<b>Identifier</b>	<b>Description</b>
Name	Variable name (maximum of 8 characters)
Description	Variable descriptor (maximum of 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 Source and Naming Conventions

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. All imputed/edited variables end with an “X.”

### 2.4.1 Variable-Source Crosswalk

Variables contained on Files 1 and 2 were either derived from the HC questionnaire itself, derived from the MPC data collection instrument, derived from the CAPI, or assigned in sampling. The source of each variable is identified in Section E, entitled “Variable - Source Crosswalk.” Sources for each variable are indicated in one of four ways in the Source Column:

(1) variables which are derived from CAPI or assigned in sampling are indicated as “CAPI derived” or “Assigned in sampling,” respectively;

(2) variables which come from one or more specific questions have those questionnaire sections and question numbers indicated such that,

**ER** - Emergency Room Questionnaire (HC)

**FF** - Flat Fee Questionnaire (HC)

**CP** - Charge Payment Questionnaire (HC)

**HEF** - Hospital Event Form (MPC);

(3) variables constructed from multiple questions using complex algorithms are labeled “Constructed”; and

(4) variables which have been edited or imputed are so indicated.

### 2.4.2 Expenditure and Sources of Payment Variables

Both pre-imputed and imputed versions of the expenditure and sources of payment variables follow a standard naming convention and are 8 characters in length. Please note that pre-imputed means that a series of logical edits have been performed on the variables, but missing data remain (see File 2). The imputed versions incorporate the same edits but have also undergone the imputation process to account for missing data (see File 1).

The pre-imputed expenditure variables on File 2 end with an “H” if the data source was from the MEPS Household Component. The unimputed expenditure variables end with a “M” if the data source was the MEPS Medical Provider Component. All imputed variables on File 1 end with an “X.”

The total sum of payments, 12 sources of payment variables and total charge variables are named consistently in the following way:

The first two characters indicate the type of event:

IP - inpatient stay	OB - office-based visit
ER - emergency room visit	OP - outpatient visit
HH - home health visit	DV - dental visit
OM - other medical equipment	RX - prescribed medicine

For expenditure variables on these files, the third character indicates whether the expenditure is associated with the facility (F) or the physician (D).

In the case of the sources of payment variables, the fourth and fifth characters indicate:

SF - self or family	OF - other Federal Government	XP - sum of payments
MR - Medicare	SL - State/local government	
MD - Medicaid	WC - Worker's Compensation	
PV - private insurance	OT - other insurance	
VA - Veterans	OR - other private	
CH - CHAMPUS/CHAMPVA	OU - other public	

The sixth and seventh characters indicate the year (97) and the last character of all imputed/edited variables is an "X."

For example, ERFSF97X is the edited/imputed amount paid by self or family for the facility portion of the expenditure associated with an emergency room visit.

## **2.5 File 1 Contents**

### **2.5.1 Survey Administration and ID Variables**

#### **2.5.1.1 Person Identifiers (DUID, PID, DUPERSID)**

The dwelling unit ID (DUID) is a 5-digit random number assigned after the case was sampled for MEPS. The 3-digit person number (PID) uniquely identifies each person within the dwelling unit. The 8-character variable DUPERSID uniquely identifies each person represented on the file and is the combination of the variables DUID and PID. For detailed information on dwelling units and families, please refer to the documentation for the MEPS 1997 Full Year Population Characteristics File or definitions listed in Attachment 1.

### **2.5.1.2 Record Identifiers (EVNTIDX, EVENTRN, ERHEVIDX, FFEEIDX, MPCDATA)**

EVNTIDX uniquely identifies each emergency room visit (i.e. each record on the file) and is the variable required to link events to data files containing details on conditions and/or prescribed medicines (MEPS 1997 Medical Conditions File and the MEPS 1997 Prescribed Medicines File, respectively). For details on linking see the Appendix to the MEPS 1997 Event Files.

EVENTRN indicates the round in which the emergency room event was first reported.

ERHEVIDX is a constructed variable which identifies emergency room visit records whose expenditures are included in the expenditures for the associated hospital inpatient stay. This variable was constructed by comparing date information for the reported hospital stay and all emergency room visits for the same person. Please note that, where the emergency room visit is associated with a hospital stay (and its expenditures and charges are included with the hospital stay), the physician expenditures associated with the emergency room visit are remain on the emergency room file.

FFEEIDX is a constructed variable which uniquely identifies a flat fee group, that is, all events that were part of a flat fee payment situation. For example, if a patient receives stitches in an emergency room and comes back to have the stitches removed ten days later during an outpatient visit, both visits are covered under one flat fee dollar amount. These two events (the emergency room visit and the subsequent outpatient visit) have the same value for FFEEIDX. Please note that FFEEIDX should be used to link up all MEPS event files (excluding prescribed medicines) in order to determine the full set of events that are part of a flat fee group.

MPCDATA is a constructed variable which indicates whether or not MPC data were collected for the emergency room visit. While all emergency room events are sampled into the Medical Provider Component, not all emergency room event records have MPC data associated with them. This is dependent upon the cooperation of the household respondent to provide permission forms to contact the emergency room facility as well as the cooperation of the emergency room facility to participate in the survey.

## **2.5.2 Characteristics of Emergency Room Visits**

File 1 contains 21 variables describing emergency room events reported by respondents in the Emergency Room section of the MEPS HC questionnaire. The questionnaire contains specific probes for determining the specific details about the emergency room event. Unless noted otherwise, the following variables are provided as unedited.

### **2.5.2.1 Visit Details (ERDATEYR-VSTRELCN)**

When a person reported having had a visit to the emergency room, the date of the emergency room visit was reported (ERDATEYR, ERDATEMM, ERDATEDD). The questionnaire determines

whether or not the person saw a medical doctor (SEEDOC). The type of care the person received (VSTCTGRY) and whether or not the visit was related to a specific condition (VSTRELCN) were also determined.

### **2.5.2.2 Services, Procedures, and Prescription Medicines (LABTEST-DOCOUTF)**

Services received during the visit included whether or not the person received lab tests (LABTEST), a sonogram or ultrasound (SONOGRAM), x-rays (XRAYS), a mammogram (MAMMOG), an MRI or CAT scan (MRI), an electrocardiogram (EKG), an electroencephalogram (EEG), a vaccination (RCVVAC), anesthesia (ANESTH), or other diagnostic tests or exams (OTHSVCE). Whether or not a surgical procedure was performed during the visit was asked (SURGPROC) and, if so, the procedure name (SURGNAME) was also asked. The questionnaire determined if a medicine was prescribed for the person during the emergency room visit (MEDPRESC). See Section 5.2 for information on linking to the prescription medicine events file. Finally, it was reported if the person saw any of the same doctors or surgeons at their place of practice outside of the emergency room (DOCOUTF).

### **2.5.3 VA Facility (VAPLACE)**

VAPLACE is a constructed variable that indicates whether the provider worked at a VA facility. This variable only has valid data for providers that were sampled into the Medical Provider Component. All other providers are classified as unknown.

### **2.5.4 Condition and Procedure Codes (ERICD1X-ERICD3X, ERPRO1X) and Clinical Classification Codes (ERCCC1X-ERCCC3X)**

Information on household reported medical conditions and procedures associated with each emergency room visit are provided on this file. There are up to three condition codes (ERICD1X-ERICD3X) and one procedure code (ERPRO1X) listed for each emergency room visit (99.2% of emergency room visits have 0-3 condition records linked). In order to obtain complete condition information associated with an event, the analyst must link to the MEPS 1997 Medical Conditions File. Details on how to link to the MEPS 1997 Medical Conditions File are provided in the Appendix File. The user should note that because of confidentiality restrictions, provider reported condition information is not publically available.

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 1997 ICD-9-CM codes, including medical conditions 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

Cohen, 1985; Cox and Iachan, 1987; Edwards, et al, 1994; and Johnson and Sanchez, 1993). For detailed information on how conditions and procedures were coded, please refer to the documentation on the MEPS1997 Medical Conditions File. For frequencies of conditions by event type, please see the Appendix File.

The ICD-9-CM codes were aggregated into clinically meaningful categories. These categories, included on the file as ERCCC1X-ERCCC3X, were generated using Clinical Classification Software (formerly known as Clinical Classifications for Health Care Policy Research (CCHPR)), (Elixhauser, et al., 1998), which aggregates conditions and V-codes into 260 mutually exclusive categories, most of which are clinically homogeneous.

In order to preserve respondent confidentiality, nearly all of the condition codes provided on this file have been collapsed from fully-specified codes to 3-digit code categories. The reported ICD-9-CM code values were mapped to the appropriate clinical classification category prior to being collapsed to the 3-digit categories. Details on this procedure are outlined in the 1997 Medical Conditions File.

The condition codes (and clinical classification codes) and procedure codes linked to each emergency room visit are sequenced in the order in which the conditions were reported by the household respondent, which was in chronological order of occurrence and not in order of importance or severity. Analysts who use the MEPS 1997 Medical Conditions File in conjunction with this emergency room visit file should note that the order of conditions on this file is not identical to that on the Medical Conditions file.

### **2.5.5 Record Count Variable (NUMCOND)**

The variable NUMCOND indicates the total number of condition records which can be linked from the MEPS 1997 Medical Conditions File to each emergency room visit. For events where no condition records linked (NUMCOND=0), the condition and procedure and clinical classification code variables all have a value of -1 INAPPLICABLE. Similarly, for events without a linked second or third condition record, the corresponding second or third condition, clinical classification code and procedure code variables were set to -1 INAPPLICABLE.

In order to obtain complete condition information for events with NUMCOND greater than 3 the analyst must link to the MEPS 1997 Medical Conditions File. Please see the Appendix File for details on linking MEPS data files.

### **2.5.6 Flat Fee Variables**

#### **2.5.6.1 Definition of Flat Fee Payments**

A flat fee is the fixed dollar amount a person is charged for a package of health care services. Examples would be: obstetrician's fee covering a normal delivery, as well as pre- and post-natal care;

or a surgeon's fee covering surgical procedure and post-surgical care. A flat fee group is the set of medical services (i.e., events) that are covered under the same flat fee payment situation. The flat fee groups represented on this file (and all of the other MEPS 1997 event files) includes flat fee groups where at least one of the health care events, as reported by the HC respondent, occurred during 1997. By definition a flat fee group can span multiple years and/or event types (e.g., hospital stay, physician office visit), and a single person can have multiple flat fee groups.

As noted earlier in the section on Record Identifiers (Section 2.5.1.2), for a person, the variable FFEEIDX can be used to identify all events that are part of the same flat fee group. It can be used to identify such events because FFEEIDX is the same value on all MEPS 1997 Event Files (excluding the MEPS 1997 Prescribed Medicines Files). For the emergency room visits that are not part of a flat fee payment situation, the flat fee variables described below are all set to -1 INAPPLICABLE.

### **2.5.6.2 Flat Fee Type (FFERTYPE)**

FFERTYPE indicates whether the 1997 emergency room visit is the "stem" or "leaf" of a flat fee group. A stem (records with FFERTYPE= 1) is the initial medical service (event) which is followed by other medical events that are covered under the same flat fee payment. The leaf of the flat fee group (records with FFERTYPE = 2) are those medical events that are tied back to the initial medical event (the stem) in the flat fee group. These "leaf" records have their expenditure variables set to zero.

### **2.5.6.3 Caveats of Flat Fee Groups**

There are 28 emergency room visits that are identified as being part of a flat fee payment group.

In general, every flat fee group should have an initial visit (stem) and at least one subsequent visit (leaf). There are some situations where this is not true. For some flat fee groups, the initial visit reported occurred in 1997 but the remaining visits that were part of this flat fee group occurred in 1998. In this case, the 1997 flat fee group represented on this file would consist of one event, the stem; the 1998 events that are part of this flat fee group are not represented on the file. Similarly, the household respondent may have reported a flat fee group where the initial visit began in 1996 but subsequent visits occurred during 1997. In this case, the initial visit would not be represented on the file. This 1997 flat fee group would then only consist of one or more leaf records and no stem. Another reason for which a flat fee group would not have a stem and a leaf record is that the stems or leaves could have been reported as different event types. In a small number of cases, there are flat fee groups that span various event types. The stem may have been reported as one event type and the leaves may have been reported as another event type. In order to determine the different event types in a flat fee group, the analyst must link all MEPS event files (excluding the prescribed medicines file) using the variable FFEEIDX to create the complete flat fee group.

## **2.5.7 Expenditure Data**

### **2.5.7.1 Definition of Expenditures**

Expenditures on this file refer to what is paid for health care services. More specifically, expenditures in MEPS are defined as the sum of payments for care received for each emergency room visit, including out-of-pocket payments and payments made by private insurance, Medicaid, Medicare and other sources. The definition of expenditures used in MEPS differs slightly from its predecessors: the 1987 NMES and 1977 NMCES surveys where “charges” rather than sum of payments were used to measure expenditures. This change was adopted because charges became a less appropriate proxy for medical expenditures during the 1990’s due to the increasingly common practice of discounting. Although measuring expenditures as the sum of payments incorporates discounts in the MEPS expenditure estimates, the estimates do not incorporate any payment not directly tied to specific medical care visits, such as bonuses or retrospective payment adjustments by third party payers. Another general change from the two prior surveys is that charges associated with uncollected liability, bad debt, and charitable care (unless provided by a public clinic or hospital) are not counted as expenditures because there are no payments associated with those classifications. While charge data are provided on this file, analysts should use caution when working with this data because a charge does not typically represent actual dollars exchanged for services or the resource costs of those services; nor are they directly comparable to the expenditures defined in the 1987 NMES. For details on expenditure definitions, please reference the following, “Informing American Health Care Policy” (Monheit et al., 1999).

Expenditure data related to emergency room visits are broken out by facility and separately billing doctor expenditures. This file contains five categories of expenditure variables per visit: basic hospital emergency room facility expenses, expenses for doctors who billed separately from the hospital for any emergency room services provided during emergency room visit, total expenses, which is the sum of the facility and physician expenses; facility total charge and physician total charge.

### **2.5.7.2 Data Editing/Imputation Methodologies of Expenditure Variables**

#### **General Imputation Methodology**

The expenditure data included on this file were derived from both the MEPS Household (HC) and Medical Provider Component (MPC). The MPC contacted medical providers identified by household respondents. The charge and payment data from medical providers were used in the expenditure imputation process to supplement missing household data. For all emergency room visits, MPC data were used if complete; otherwise, HC data were used if complete. Missing data for emergency room visits, where HC data were not complete and MPC data were not collected or complete, were derived through the imputation process.

## **General Data Editing Methodology**

Logical edits were used to resolve internal inconsistencies and other problems in the HC and MPC survey-reported data. The edits were designed to preserve partial payment data from households and providers, and to identify actual and potential sources of payment for each household-reported event.

In general, these edits accounted for outliers, co-payments or charges reported as total payments, and reimbursed amounts that were reported as out-of-pocket payments. In addition, edits were implemented to correct for mis-classifications between Medicare and Medicaid and between Medicare HMO's and private HMO's as payment sources. These edits produced a complete vector of expenditures for some events, and provided the starting point for imputing missing expenditures in the remaining events.

## **General Hot-Deck Imputation Methodology**

A weighted sequential hot-deck procedure was used to impute missing expenditures as well as total charge. This procedure uses survey data from respondents to replace missing data while taking into account the respondents' weighted distribution in the imputation process. Classification variables vary by event type in the hot-deck imputations, but total charge and insurance coverage are key variables in all of the imputations. Separate imputations were performed for nine categories of medical provider care: inpatient hospital stays, outpatient hospital department visits, emergency room visits, visits to physicians, visits to non-physician providers, dental services, home health care by certified providers, home health care by paid independents, and other medical expenses. After the imputations were finished, visits to physician and non-physician providers were combined into a single medical provider file. The two categories of home care also were combined into a single home health file.

## **Capitation Imputation**

The imputation process was also used to make expenditure estimates at the event level for events that were paid on a capitated basis. The capitation imputation procedure was designed as reasonable approach to complete event level expenditures for respondents in managed care plans. This procedure was conducted in two stages. First, HMO events reported in the MPC as covered by capitation arrangements were imputed using similar HMO events paid on a fee-for-service, with total charge as a key variable. Then this completed set of MPC events was used as the donor pool for unmatched household-reported events for sample persons in HMOs. By using this strategy, capitated HMO events were imputed as if the provider were reimbursed from the HMO on a discounted fee-for-service basis.

## **Imputation Methodology for Emergency Room Visits**

Facility expenditures for emergency room services were developed in a sequence of logical edits and imputations. "Household" edits were applied to sources and amounts of payment for all events reported by HC respondents. "MPC" edits were applied to provider-reported sources and amounts of payment for records matched to household-reported events. Both sets of edits were used to correct

obvious errors in the reporting of expenditures. After the data from each source were edited, a decision was made as to whether household- or MPC-reported information would be used in the final editing and hot-deck imputations for missing expenditures. The general rule was that MPC data would be used where a household reported event corresponded to a MPC reported event (i.e., a matched event), since providers usually have more complete and accurate data on sources and amounts of payment than households.

One of the more important edits separated flat fee events from simple events. This edit was necessary because groups of events covered by a flat fee (i.e. a flat fee bundle) were edited and imputed separately from individual events covered by a single charge (i.e., simple events). Most emergency room events were imputed as simple events because hospital facility charges are rarely bundled with other events. (See Section 2.5.7 for more details on flat fee groups). However, some emergency room visits were treated as free events because the respondent was admitted to a hospital through its emergency room. In these cases, emergency room charges are included in the charge for an inpatient hospital stay.

Logical edits also were used to sort each event into a specific category for the imputations. Events with complete expenditures were flagged as potential donors for the hot-deck imputations, while events with missing expenditure data were assigned to various recipient categories. Each event was assigned to a recipient category based on its pattern of missing data. For example, an event with a known total charge but no expenditures information was assigned to one category, while an event with a known total charge and some expenditures information was assigned to a different category. Similarly, events without a known total charge were assigned to various recipient categories based on the amount of missing data.

The logical edits produced eight recipient categories in which all events had a common pattern of missing data. Separate hot-deck imputations were performed on events in each recipient category, and the donor pool was restricted to events with complete expenditures from the MPC. The donor pool restriction was used even though some unmatched events had complete household-reported expenditures. These events were not allowed to donate information to other events because the MPC data were considered to be more reliable.

The donor pool included “free events” because, in some instances, providers are not paid for their services. These events represent charity care, bad debt, provider failure to bill, and third party payer restrictions on reimbursement in certain circumstances. If free events were excluded from the donor pool, total expenditures would be over-counted because the cost of free care would be implicitly included in paid events and explicitly included in events that should have been treated as free from provider.

Expenditures for some emergency room visits are not shown because the person was admitted to the hospital through the emergency room. These emergency room events are not free, but the expenditures are included in the inpatient stay expenditures. The variable ERHEVIDX can be used to differentiate between free emergency room care and situations where the emergency room charges have been included in the inpatient hospital charges.

Expenditures for services provided by separately billing doctors in hospital settings were also edited and imputed. These expenditures are shown separately from hospital facility charges for hospital inpatient, outpatient, and emergency room care.

### **Flat Fee Expenditures**

The approach used to count expenditures for flat fees was to place the expenditure on the first visit of the flat fee group. The remaining visits have zero payments. Thus, if the first visit in the flat fee group occurred prior to 1997, all of the events that occurred in 1997 will have zero payments. Conversely, if the first event in the flat fee group occurred at the end of 1997, the total expenditure for the entire flat fee group will be on that event, regardless of the number of events it covered after 1997.

### **Zero Expenditures**

There are some medical events reported by respondents where the payments were zero. This could occur for several reasons including (1) free care was provided, (2) bad debt was incurred, (3) care was covered under a flat fee arrangement beginning in an earlier year, or (4) follow-up visits were provided without a separate charge (e.g. after a surgical procedure). If all of the medical events for a person fell into one of these categories, then the total annual expenditures for that person would be zero.

### **Discount Adjustment Factor**

An adjustment was also applied to some HC reported expenditure data because an evaluation of matched HC/MPC data showed that respondents who reported that charges and payments were equal were often unaware that insurance payments for the care had been based on a discounted charge. To compensate for this systematic reporting error, a weighted sequential hot-deck imputation procedure was implemented to determine an adjustment factor for HC reported insurance payments when charges and payments were reported to be equal. As for the other imputations, selected predictor variables were used to form groups of donor and recipient events for the imputation process.

### **2.5.7.3 Emergency Room/Hospital Inpatient Stay Expenditures**

It is common for an emergency room visit to result in a hospitalization. However, while it is true that all of the event files can be linked by DUPERSID, there is no unique record link between hospital inpatient stays and emergency room visits. However, where ever this relationship could be identified (using MPC start and end date of the events as well as information from the provider), the expenditure associated with the emergency room visit was moved to the hospital facility expenditure (see ERHEVIDX in Section 2.5.1.2 ). Hence, the expenditures (and charges) for some emergency room visits are included in the resulting hospitalization. In these situations, the emergency room record on this file will have its expenditure (and charge) information zeroed out to avoid double-counting while its corresponding hospital inpatient stay record on MEPS 1997 Hospital Inpatient Stays File will

have the combined expenditures. Please note that any physician expenditures associated with emergency room event may remain on the emergency room event file. The variable ERHEVIDX identifies these emergency room visits whose expenditures are included in the expenditures for the following hospital inpatient stay. It should also be noted that, for these cases, there is only one hospital stay associated with the emergency room stay.

#### **2.5.7.4 Sources of Payment**

In addition to total expenditures, variables are provided which itemize expenditures according to major sources of payment categories. These categories are:

1. Out-of-pocket by user or family
2. Medicare
3. Medicaid
4. Private Insurance
5. Veteran's Administration, excluding CHAMPVA
6. CHAMPUS or CHAMPVA
7. Other Federal sources - includes Indian Health Service, Military Treatment Facilities, and other care by the Federal government
8. Other State and Local Source - includes community and neighborhood clinics, State and local health departments, and State programs other than Medicaid.
9. Worker's Compensation
10. Other Unclassified Sources - includes sources such as automobile, homeowner's, liability, and other miscellaneous or unknown sources.

Two additional sources of payment variables were created to classify payments for events with apparent inconsistencies between health insurance coverage and sources of payment based on data collected in the survey. These variables include:

11. Other Private - any type of private insurance payments reported for persons not reported to have any private health insurance coverage during the year as defined in MEPS; and
12. Other Public - Medicaid payments reported for persons who were not reported to be enrolled in the Medicaid program at any time during the year.

Though relatively small in magnitude, users should exercise caution when interpreting the expenditures associated with these two additional sources of payment. While these payments stem from apparent inconsistent responses to health insurance and sources of payment questions in the survey, some of these inconsistencies may have logical explanations. For example, private insurance coverage in MEPS is defined as having a major medical plan covering hospital and physician services. If a MEPS sampled person did not have such coverage but had a single service type insurance plan (e.g. dental insurance) that paid for a particular episode of care, those payments may be classified as "other private." Some of the "other public" payments may stem from confusion between Medicaid and other state and local programs or may be from persons who were not enrolled

in Medicaid, but were presumed eligible by a provider who ultimately received payments from the program.

Users should also note that the Other Public and Other Private sources of payment categories only exist on File 1 for imputed expenditure data since they were created through the editing/imputation process. File 2 reflect 10 sources of payment as they were collected through the survey instrument.

### **2.5.7.5 Imputed Emergency Room Expenditure Variables**

This file contains 2 sets of imputed expenditure variables: facility expenditures and physician expenditures.

#### **Emergency Room Facility Expenditures (ERFSF97X-ERFOT97X, ERFXP97X, ERFTC97X)**

Emergency room expenses include all expenses for treatment, services, tests, diagnostic and laboratory work, x-rays, and similar charges, as well as any physician services included in the emergency room charge.

Emergency room facility expenditures were obtained primarily through the MPC. If the physician charges were included in the emergency room visit bill, then this expenditure is included in the facility expenditure variables. The imputed facility expenditures provided on this file, ERFSF97X - ERFOT97X are also the 12 sources of payment: self/family, Medicare, Medicaid, private insurance, Veterans Administration, CHAMPUS/CHAMPVA, other federal, state/local governments, Workman's Compensation, other private insurance, other public insurance and other insurance. ERFXP97X is the sum of the 12 sources of payments for the facility expenditure and ERFTC97X is the total charge. Please note that where an emergency room visit record is linked to a hospital inpatient stay record, ERFTC97X has been zeroed out.

#### **Emergency Room Physician Expenditures (ERDSF97X - ERDOT97X, ERDXP97X ERDTC97X)**

Separately billing doctor (SBD) expenses typically cover services provided to patients in hospital settings by providers like anesthesiologists, radiologists, and pathologists, whose charges are often not included in emergency room visit bills.

For physicians who bill separately (i.e. outside the emergency room visit bill), a separate data collection effort within the Medical Provider Component was performed to obtain this same set of expenditure information from each separately billing doctor. It should be noted that there could be several separately billing doctors associated with a medical event. For example, an emergency room visit could have a radiologist, and an internist associated with it. If their services are not included in the emergency room visit bill then this is one medical event with 2 separately billing doctors. The imputed expenditure information associated with the separately billing doctors was summed to the

event level and is provided on the file. ERDSF97X - ERDOT97X are the 12 sources of payment, ERDXP97X is the sum of the 12 sources of payments, and ERDTC97X is the total charge.

Analysts need to take into consideration whether to analyze facility and SBD expenditures separately, combine them within service categories, or collapse them across service categories (e.g. combine SBD expenditures with expenditures for physician visits to offices and/or outpatient departments).

### **Total Expenditures and Charges for Emergency Room Visits (EREXP97X, ERTC97X)**

Analysts interested in total expenditure should use the variable EREXP97X, which includes both the facility and physician amounts. Those interested in total charges (see 2.5.7.1 for an explanation of the “charge” concept) should use the variable ERTC97X. However, please note that where the emergency room visit is linked to a hospital inpatient stay record, ERFTC97 has been zeroed out, and thus, ERTC97X may be equal to ‘0’ or the doctor total charge (ERDTC97X).

### **2.5.7.6 Rounding**

Expenditure variables on File 1, have been rounded to the nearest penny. Person-level expenditure information released on the MEPS 1997 Person Level Use and Expenditure File were rounded to the nearest dollar. It should be noted that using the MEPS 1997 event files HC-016A through HC-016H to create person-level totals will yield slightly different totals than those found on HC-020 the 1997 Person Level Use and Expenditure File. These differences are due to rounding only. Moreover, in some instances, the number of persons having expenditures on the MEPS 1997 event files for a particular source of payment may differ from the number of persons with expenditures on the 1997 Person Level Use and Expenditures File for that source of payment. This difference is also artifact of rounding only. Please see the Appendix File for details on such rounding differences.

### **2.5.7.7 Imputation Flags (IMPERFSF - IMPERCHG)**

The variables IMPERFSF - IMPERCHG identify records where sources of payment and total charge for the facility portion of the expenditure have been imputed using the methodologies outlined in this document.

### **Number of Physician Records (IMPERNUM)**

The variable IMPERNUM indicates the number of physician records associated with the emergency room visit where the physician portion of the expenditures have been imputed. The number of physicians associated with individual sources of payment is not available.

When a record was identified as being the leaf of a flat fee group, the values of all imputation flags were set to 0 UNIMPUTED since they were not included in the imputation process.

## **2.6 File 2 Contents: Pre-imputed Expenditure Variables**

Both pre-imputed and unimputed expenditure data are provided on this file. This means that only a series of logical edits were applied to both the HC and MPC data to correct for several problems including outliers, co-payments or charges reported as total payments, and reimbursed amounts counted as out-of-pocket payments. Edits were also implemented to correct for mis-classifications between Medicare and Medicaid and between Medicare HMO's and private HMO's as payment sources as well as a number of other data inconsistencies that could be resolved through logical edits. Missing data were not imputed.

As described previously, there are several components that went into creating the total medical expenditure variable: household reported expenditure data and provider reported expenditure data. Both sets of expenditure data are provided in their pre-imputed form and have not gone through the same level of quality control as their imputed counterpart. This means that (in some instances) there are large amounts of missing data. The household and provider reported facility pre-imputed expenditure data are provided on this file (ERSF97H - ER0T97H and ERFSF97M-ERFOT97M respectively). For the variables ERFSF97M-ERFTC97M the user needs to be aware that there are 3,562 records with a value of -1, NOT APPLICABLE. For analytical purposes these records should be collapsed with those records having a value of -9, NOT ASCERTAINED.

The user shall note that there exist only 10 sources of payment variables in the pre-imputed expenditure data on File 2, while the imputed expenditure data on File 1 contains 12 sources of payment variables. The additional two sources of payment (which are not reported as separate sources of payment through the data collection) are Other Private and Other Public. These sources of payment categories were constructed to resolve apparent inconsistencies between individuals' reported insurance coverage and their sources of payment for specific events.

The user should also note that the variable HHSFFIDX, which is the original flat fee identifier that was derived during the household interview, should only be used if the user interested in performing their own expenditure imputation.

Finally, the user should note that the variable ERUC97H regarding uncollected liability is collected and stored only on File 2.

## **3.0 Sample Weights and Variance Estimation Variables (WTDPER97-VARPSU97)**

### **3.1 Overview**

There is a single full year person-level weight (WTDPER97) included on the MEPS 1997 Emergency Room Visits File file. A person-level weight was assigned to each emergency room visit reported by a key, in-scope person who responded to MEPS for the full period of time that he or she was in-scope during 1997. 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 WTDPER97 was developed in three stages. A person level weight for Panel 2 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 1 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 1997 composite weight was formed from the Panel 1 and Panel 2 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.

The panel specific weights described below in Sections 3.2.1 and 3.2.2 are not available on the current file. This additional information is provided for reference only. In order to determine in which panel a sampled person participated, users must link to the 1997 Full Year Population Characteristics File to obtain the variable PANEL97.

### **3.2.1 MEPS Panel 1 Weight**

The person level weight for MEPS Panel 1 was developed using the 1996 full year weight for an individual as a “base” weight for survey participants present in 1996. For key, in-scope respondents who joined an RU some time in 1997 after being out-of-scope in 1996, the 1996 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, 1997. These control figures were derived by scaling back the population totals obtained from the March 1998 CPS to reflect the December, 1997 CPS estimated population distribution across age and sex categories as of December, 1997. 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, 1997 is 267,704,802. Key, responding persons not in-scope on December 31, 1997 but in-scope earlier in the year retained, as their final Panel 1 weight, the weight after the nonresponse adjustment.

### **3.2.2 MEPS Panel 2 Weight**

The person level weight for MEPS Panel 2 was developed using the MEPS Round 1 person-level weight as a “base” weight. For key, in-scope respondents who joined an RU after Round 1, the Round 1 family weight served as a “base” weight. The weighting process included an adjustment for nonresponse over Round 2 and the 1997 portion of Round 3 as well as poststratification to the same population control figures for December 1997 used for the MEPS Panel 1 weights. The same five variables employed for Panel 1 poststratification (census region, MSA status, race/ethnicity, sex, and age) were used for Panel 2 poststratification. Similarly, for Panel 2, key, responding persons not in-scope on December 31, 1997 but in-scope earlier in the year retained, as their final Panel 2 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; the probability of selection of dwelling units associated with the oversampling of five population domains of analytic interest (for Panel 2 only); 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 1997 CPS data base. The five oversampled domains for Panel 2 were households with: persons with functional impairments; children with limitations in activity; individuals 18-64 expected to incur high medical expenditures based on a statistical model; persons with family incomes expected to be below 200 percent of poverty based on a statistical model; and adults with other impairments.

### **3.2.3 The Final Weight for 1997**

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, 1997 is 267,704,802 (WTDPER97>0 and INSC1231=1). The inclusion of key, in-scope persons who were not in-scope on December 31, 1997 brings the estimated total number of persons represented by the MEPS respondents over the course of the year up to 271,278,585 (WTDPER97>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 1996 full year file an additional poststratification was done to population totals obtained from the 1996 Medicare Current Beneficiary Survey (MCBS) for the number of deaths among Medicare beneficiaries experienced in the 1996 MEPS. However, in 1997 the difference between the MEPS and MCBS estimates was not statistically significant, and no adjustment was made.

### **3.2.4 Coverage**

The target population for MEPS in this file is the 1997 U.S. civilian, noninstitutionalized population. However, the MEPS sampled households are a subsample of the NHIS households interviewed in 1995 (Panel 1) and 1996 (Panel 2). New households created after the NHIS interviews for the respective Panels and consisting exclusively of persons who entered the target population after 1995 (Panel 1) or after 1996 (Panel 2) 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

## **4.0 Strategies for Estimation**

This file is constructed for efficient estimation of utilization, expenditure, and sources of payment for hospital emergency room visits and to allow for estimates of number of persons with emergency room visits for 1997.

### **4.1 Variables with Missing Values**

It is essential that the analyst examine all variables for the presence of negative values used to represent missing values. For example, a record with a value of -8 for the first ICD9 condition code (ERICD1X) indicates that the condition was reported as unknown.

For continuous or discrete variables, where means or totals may be taken, it may be necessary to set minus values to values appropriate to the analytic needs. That is, the analyst should either impute a value or set the value to one that will be interpreted as missing by the computing language used. For categorical and dichotomous variables, the analyst may want to consider whether to recode or impute a value for cases with negative values or whether to exclude or include such cases in the numerator and/or denominator when calculating proportions.

Methodologies used for the editing/imputation of expenditure variables (e.g. sources of payment flat fee, hospital/er, and zero expenditures) are described in Section 2.5.7.2.

### **4.2 Basic Estimates of Utilization, Expenditure and Sources of Payment**

While the examples described below illustrate the use of event level data in constructing person-level total expenditures, these estimates can also be derived from the person-level expenditure file unless the characteristic of interest is event specific.

In order to produce national estimates related to emergency room utilization, expenditures and sources of payment, the value in each record contributing to the estimates must be multiplied by the weight (WTDPER97) contained on that record.

Example 1:

For example, the total number of emergency room visits, for the civilian non-institutionalized population of the U.S. in 1997, is estimated as the sum of the weight (WTDPER97) across all emergency room visit records. That is,

$$\sum W_j = 44,920,484 \quad (1)$$

Various estimates can be produced based on specific variables and subsets of records.

Example 2:

For example, the estimate for the mean out-of-pocket payment per emergency room visit should be calculated as the weighted mean of the facility bill and doctor's bill paid by self/family. That is,

$$\bar{X} = (\sum W_j X_j) / (\sum W_j) = \$75.02, \quad (2)$$

where  $X_j = \text{ERFSF97}X_j + \text{ERDSF97}X_j$  and  $\sum W_j = 41,560,406$

for all emergency room visits with  $\text{EREXP97}X_j > 0$ .

This gives \$75.02 as the estimated mean amount of out-of-pocket payment of expenditures associated with emergency room visits and 41,560,406 as an estimate of the total number of emergency room visits with expenditures. Both of these estimates are for the civilian non-institutionalized population of the U.S. in 1997.

Example 3:

Another example would be to estimate the average proportion of total expenditures paid by private insurance for emergency room visits with expenditures. This should be calculated as the weighted mean of the proportion of total expenditures paid by private insurance at the event level. That is

$$\bar{Y} = (\sum W_j Y_j) / (\sum W_j) = 0.4353, \quad (3)$$

where  $Y_j = \frac{(\text{ERFPV96}X_j + \text{ERDPV96}X_j)}{\text{EREXP96}X_j}$  and  $\sum W_j = 41,560,406$ .

for all emergency room visits with  $\text{EREXP97}X_j > 0$ .

This gives 0.4353 as the estimated mean proportion of total expenditures paid by private insurance for emergency room visits with expenditures for the civilian non-institutionalized population of the U.S. in 1997.

### 4.3 Estimates of the Number of Persons with Emergency Room Visit

When calculating an estimate of the total number of persons with emergency room visits, users can use a person-level file (MEPS 1997 Person Level Use and Expenditure File) or the emergency room visits file. However, the current file must be used, when the measure of interest is defined at the event level. For example, to estimate the number of persons with emergency room visits where the patient sees a doctor, the current file must be used. This would be estimated as,

$$\sum W_i X_i \quad \text{across all unique persons } i \text{ on this file,} \quad (4)$$

where

$W_i$  is the sampling weight (WTDPER97) for person  $i$

and

$X_i = 1$  if SEEDOC EQ 1 for any event of person  $i$   
 $= 0$  otherwise.

### 4.4 Person-Based Ratio Estimates

#### 4.4.1 Person-Based Ratio Estimates Relative to Persons with Emergency Room Use

This file may be used to derive person-based ratio estimates. However, when calculating ratio estimates where the denominator is persons, care should be taken to properly define the unit of analysis as person-level. For example, the mean expense for persons with emergency room visit is estimated as,

$$(\sum W_i Z_i) / (\sum W_i) \quad \text{across all unique persons } i \text{ on this file,} \quad (5)$$

where

$W_i$  is the sampling weight (WTDPER97) for person  $i$

and

$Z_i = \sum \text{ERXP96X}_j$  across all visits for person  $i$ .

#### 4.4.2 Person-Based Ratio Estimates Relative to the Entire Population

If the ratio relates to the entire population, this file cannot be used to calculate the denominator, as only those persons with at least one emergency room visit are represented on this data file. In this case 1997 MEPS Person Level Use and Expenditure File, which has data for all sampled persons, must be used to estimate the total number of persons (i.e. those with use and those without use). For example, to estimate the proportion of civilian non-institutionalized population of the U.S. with at least one emergency room visit where s/he saw a doctor, the numerator would be derived from data on the current file, and the denominator should be derived from data on the 1997 MEPS Person Level Use and Expenditure File. That is,

$$\left(\sum W_i Z_i\right) / \left(\sum W_i\right) \text{ across all unique persons } i \text{ on the person level file,} \quad (6)$$

where

$W_i$  is the sampling weight(WTDPER97) for person  $i$

and

$Z_i = 1$  if SEEDOC<sub>j</sub> EQ 1 for any visit of person  $i$  on the emergency room visit file  
 $= 0$  otherwise for all remaining persons on the MEPS HC-020: Person Level Use and Expenditure File.

#### **4.5 Sampling Weights for Merging Previous Releases of MEPS Household Data with the Emergency Room Visits File**

There have been several previous releases of MEPS Household Survey public use data. Unless a variable name common to several tapes is provided, the sampling weights contained on these data files are file-specific. The file-specific weights reflect minor adjustments to eligibility and response indicators due to birth, death, or institutionalization among respondents.

In general, for estimates from a MEPS data file that do not require merging with variables from other MEPS data files, the sampling weight(s) provided on that data file are the appropriate weight(s). When merging a MEPS Household data file to another, the major analytical variable (i.e. the dependent variable) determines the correct sampling weight to use.

#### **4.6 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 1997 data. Variables needed to implement a Taylor series estimation approach 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 VARSTR97 and VARPSU97, 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. The following

illustrates these concepts using two examples from Section 4.2.

#### Example 2 from Section 4.2

Using a Taylor Series approach, specifying VARSTR97 and VARPSU97 as the variance estimation strata and PSUs (within these strata) respectively and specifying a “with replacement” design in the computer software package SUDAAN will yield an estimate of standard error of \$6.01 for the estimated mean of out-of-pocket payment.

#### Example 3 from Section 4.2

Using a Taylor Series approach, specifying VARSTR97 and VARPSU97 as the variance estimation strata and PSUs (within these strata) respectively and specifying a “with replacement” design in the computer software package SUDAAN will yield an estimate of standard error of 0.0113 for the weighted mean proportion of total expenditures paid by private insurance.

## 5.0 Merging/Linking MEPS Data Files

Data from the 1997 Emergency Room Visits File can be used alone or in conjunction with other files. This section provides instructions for linking the emergency room visits files with other MEPS public use files, namely, the person-level file, the prescribed medicines file, and the conditions file.

### 5.1 Merging a Person-Level File to the Emergency Room Visit File

Merging characteristics of interest from person-level files (e.g., MEPS1997 Full Year Population Characteristics File, or MEPS1997 Person Level Use and Expenditure File) expands the scope of potential estimates. To estimate the total number of emergency room visits for persons with specific demographic characteristics (e.g., age, race, and sex), population characteristics from a person-level file need to be merged onto the emergency room visit file. This procedure is illustrated below. The Appendix File provides additional detail on how to merge MEPS data files.

1. Create data set PERS by sorting the MEPS 1997 Full Year Population Characteristics File, by the person identifier, DUPERSID. Keep only variables to be merged on to the emergency room visit file and DUPERSID.
2. Create data set EROM by sorting the emergency room visit file by person identifier, DUPERSID.
3. Create final data set NEWEROM by merging these two files by DUPERSID, keeping only records on the emergency room visit file.

The following is an example of SAS code which completes these steps:

```
PROC SORT DATA=HCXXX(KEEP=DUPERSID AGE SEX RACEX)
```

```

OUT=PERSX;
  BY DUPERSID;
RUN;

PROC SORT DATA=EROM;
  BY DUPERSID;
RUN;

DATA NEWEROM;
  MERGE EROM (IN=A) PERSX(IN=B);
  BY DUPERSID;
  IF A;
RUN;

```

## **5.2 Linking the 1997 Emergency Room Visits File to the 1997 Medical Conditions File and/or the 1997 Prescribed Medicines File**

Because of survey design issues, there are limitations/caveats that an analyst must keep in mind when linking the different files. Those limitations/caveats are listed below. For detailed linking examples, including SAS code, analysts should refer to the Appendix File.

### **5.3 Limitations/Caveats of RXLK (the Prescribed Medicine Link File)**

The RXLK file provides a link from the MEPS event files to records on the 1997 Prescribed Medicine File. When using RXLK, analysts should keep in mind that one emergency room visit can link to more than one prescribed medicine record. Conversely, a prescribed medicine event may link to more than one emergency room visit or different types of events. When this occurs, it is up to the analyst to determine how the prescribed medicine expenditures should be allocated among those medical events.

### **5.4 Limitations/Caveats of CLNK (the Medical Conditions Link File)**

The CLNK provides a link from MEPS event files to the 1997 Medical Conditions File. When using the CLNK, analysts should keep in mind that (1) conditions are self-reported and (2) there may be multiple conditions associated with an emergency room visit. Users should also note that not all emergency room visits link to the medical conditions file.

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## **Attachment 1 Definitions**

**Dwelling Units, Reporting Units, Families, and Persons** – The definitions of Dwelling Units (Dus) and Group Quarters in the MEPS Household Survey are generally consistent with the definitions employed for the National Health Interview Survey.

The dwelling unit ID (DUID) is a five-digit random ID number assigned after the case was sampled for MEPS. The person number (PID) uniquely identifies all persons within the dwelling unit. The variable DUPERSID is the combination of the variables DUID and PID.

A Reporting Unit (RU) is a person or group of persons in the sampled dwelling unit who are related by blood, marriage, adoption or other family association, and who are to be interviewed as a group in MEPS. Thus, the RU serves chiefly as a family-based “survey operations” unit rather than an analytic unit. Regardless of the legal status of their association, two persons living together as a “family” unit were treated as a single reporting unit if they chose to be so identified.

Unmarried college students under 24 years of age who usually live in the sampled household, but were living away from home and going to school at the time of the Round 1 MEPS interview, were treated as a Reporting Unit separate from that of their parents for the purpose of data collection. These variables can be found on MEPS person level files.

**In-Scope** – A person was classified as in-scope (IN-SCOPE) if he or she was a member of the U.S. civilian, non-institutionalized population at some time during the Round 1 interview. This variable can be found on MEPS person level files.

**Keyness** –The term “keyness” is related to an individual’s chance of being included in MEPS. A person is key if that person is appropriately linked to the set of NHIS sampled households designated for inclusion in MEPS. Specifically, 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 prior to joining that household (examples of the latter situation include newborns and persons returning from military service, an institution, or living outside the United States).

A non-key person is one whose chance of selection for the NHIS (and MEPS) was associated with a household eligible but not sampled for the NHIS, who happened to have become a member of a MEPS reporting unit by the time of the MEPS Round 1 interview. MEPS data, (e.g., utilization and income) were collected for the period of time a non-key person was part of the sampled unit to permit family level analyses. However, non-key persons who leave a sample household would not be recontacted for subsequent interviews. Non-key individuals are not part of the target sample used to obtain person level national estimates.

It should be pointed out that a person may be key even though not part of the civilian, non-institutionalized portion of the U.S. population. For example, a person in the military may be living

with his or her civilian spouse and children in a household sampled for the NHIS. The person in the military would be considered a key person for MEPS. However, such a person would not receive a person-level sample weight so long as he or she was in the military. All key persons who participated in the first round of a MEPS panel received a person level sample weight except those who were in the military. The variable indicating “keyness” is KEYNESS. This variable can be found on MEPS person level files.

**Eligibility** –The eligibility of a person for MEPS pertains to whether or not data were to be collected for that person. All key, in-scope persons of a sampled RU were eligible for data collection. The only non-key persons eligible for data collection were those who happened to be living in the same RU as one or more key persons, and their eligibility continued only for the time that they were living with a key person. The only out-of-scope persons eligible for data collection were those who were living with key in-scope persons, again only for the time they were living with a key person. Only military persons meet this description. A person was considered eligible if they were eligible at any time during Round 1. The variable indicating “eligibility” is ELIGRND1, where 1 is coded for persons eligible for data collection for at least a portion of the Round 1 reference period, and 2 is coded for persons not eligible for data collection at any time during the first round reference period. This variable can be found on MEPS person level files.

**Pre-imputed** - When only a series of logical edits were applied to the HC data to correct for several problems—including outliers, copayments or charges reported as total payments, and reimbursed amounts counted as out of pocket payments—these variables are labeled “pre-imputed.” Missing data remain.

**Unimputed** - When only a series of logical edits were applied to the MPC data to correct for several problems—including outliers, copayments or charges reported as total payments, and reimbursed amounts counted as out of pocket payments—these variables were labeled “unimputed” and were used as the imputation source to account for missing HC data.

**Imputation** -Imputation is a technique more often used for items missing data adjustment through the use of predictive models for the missing data; it is based on data available on the same (or similar) cases. Hot-deck imputation creates a data set with complete data for all nonrespondent cases, often by substituting the data from a respondent case that resembles the nonrespondent on certain known variables.

## **D. Codebooks**

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ALPHABETICAL AND POSITIONAL LISTING OF VARIABLES

-----ALPHABETICAL LISTING OF VARIABLES-----

START	END	NAME	DESCRIPTION
85	86	ANESTH	DURING THIS VISIT DID P RECEIVE ANESTH
95	96	DOCOUTF	DID P SEE ANY ER DOCTORS OUTSIDE OF ER
1	5	DUID	DWELLING UNIT ID
9	16	DUPERSID	PERSON ID (DUID + PID)
81	82	EEG	DURING THIS VISIT DID P HAVE EEG
79	80	EKG	DURING THIS VISIT DID P HAVE EKG OR ECG
110	112	ERCCC1X	MODIFIED CLINICAL CLASSIFICATION CODE
113	115	ERCCC2X	MODIFIED CLINICAL CLASSIFICATION CODE
116	118	ERCCC3X	MODIFIED CLINICAL CLASSIFICATION CODE
61	62	ERDATEDD	EVENT DATE - DAY
59	60	ERDATEMM	EVENT DATE - MONTH
55	58	ERDATEYR	EVENT DATE - YEAR
291	296	ERDCH97X	DOCTOR AMOUNT PAID, CHAMP/CHAMPVA (IMP)
272	278	ERDMD97X	DOCTOR AMOUNT PAID, MEDICAID (IMPUTED)
265	271	ERDMR97X	DOCTOR AMOUNT PAID, MEDICARE (IMPUTED)
297	302	ERDOF97X	DOCTOR AMOUNT PAID, OTHER FEDERAL (IMP)
315	322	ERDOR97X	DOCTOR AMOUNT PAID, OTHER PRIVATE (IMP)
329	334	ERDOT97X	DOCTOR AMOUNT PAID, OTHER INSURANCE (IMP)
323	328	ERDOU97X	DOCTOR AMOUNT PAID, OTHER PUBLIC (IMP)
279	285	ERDPV97X	DOCTOR AMOUNT PAID, PRIVATE INSURANCE (IMP)
258	264	ERDSF97X	DOCTOR AMOUNT PAID, FAMILY (IMPUTED)
303	307	ERDSL97X	DOCTOR AMOUNT PAID, STATE/LOCAL GOVT (IMP)
343	350	ERDTC97X	TOTAL DOCTOR CHARGE (IMPUTED)
286	290	ERDVA97X	DOCTOR AMOUNT PAID, VETERANS (IMPUTED)
308	314	ERDWC97X	DOCTOR AMOUNT PAID, WORKER'S COMP (IMP)
335	342	ERDXP97X	DOCTOR SUM OF PAYMENTS ERDSF97X-ERDOU97X
123	130	EREXP97X	TOT EXP FOR EVENT (ERFXP97X + ERDXP97X)
178	184	ERFCH97X	FACILITY AMT PD, CHAMP/CHAMPVA (IMPUTED)
155	161	ERFMD97X	FACILITY AMT PD, MEDICAID (IMPUTED)
147	154	ERFMR97X	FACILITY AMT PD, MEDICARE (IMPUTED)
185	191	ERFOF97X	FACILITY AMT PD, OTH FEDERAL (IMPUTED)
205	211	ERFOR97X	FACILITY AMT PD, OTH PRIV (IMPUTED)
218	225	ERFOT97X	FACILITY AMT PD, OTH INSUR (IMPUTED)
212	217	ERFOU97X	FACILITY AMT PD, OTH PUB (IMPUTED)
162	169	ERFPV97X	FACILITY AMT PD, PRIV INSUR (IMPUTED)
139	146	ERFSF97X	FACILITY AMT PD, FAMILY (IMPUTED)
192	197	ERFSL97X	FACILITY AMT PD, STATE/LOC GOV (IMPUTED)
234	241	ERFTC97X	TOTAL FACILITY CHARGE (IMPUTED)
170	177	ERFVA97X	FACILITY AMT PD, VETERANS (IMPUTED)
198	204	ERFWC97X	FACILITY AMT PD, WORKERS COMP (IMPUTED)
226	233	ERFXP97X	FACILITY SUM PAYMENTS ERFSF97X-ERFOT97X
30	41	ERHEVIDX	ER/HS LINK ID
98	100	ERICD1X	3 DIGIT ICD-9 CONDITION CODE
101	103	ERICD2X	3 DIGIT ICD-9 CONDITION CODE
104	106	ERICD3X	3 DIGIT ICD-9 CONDITION CODE
107	109	ERPRO1X	2 DIGIT ICD-9 PROCEDURE CODE
131	138	ERTC97X	TOT CHG FOR EVENT (ERFTC97X + ERDTC97X)
29	29	EVENTRN	EVENT ROUND NUMBER
17	28	EVNTIDX	EVENT ID
42	53	FFEEIDX	FLAT FEE ID
121	122	FFERTYPX	ED FLAT FEE STEM-LEAF INDICATOR
255	255	IMPERCHG	IMPUTATION STATUS OF ERFTC97X
247	247	IMPERFCH	IMPUTATION FLAG FOR ERFCH97X
244	244	IMPERFMD	IMPUTATION FLAG FOR ERFMD97X
243	243	IMPERFMR	IMPUTATION FLAG FOR ERFMR97X
248	248	IMPERFOF	IMPUTATION FLAG FOR ERFOF97X
251	251	IMPERFOR	IMPUTATION FLAG FOR ERFOR97X
253	253	IMPERFOT	IMPUTATION FLAG FOR ERFOT97X
252	252	IMPERFOU	IMPUTATION FLAG FOR ERFOU97X

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ALPHABETICAL AND POSITIONAL LISTING OF VARIABLES

-----ALPHABETICAL LISTING OF VARIABLES-----

START	END	NAME	DESCRIPTION
245	245	IMPERFPV	IMPUTATION FLAG FOR ERFPV97X
242	242	IMPERFSF	IMPUTATION FLAG FOR ERFSF97X
249	249	IMPERFSL	IMPUTATION FLAG FOR ERFSL97X
246	246	IMPERFVA	IMPUTATION FLAG FOR ERFVA97X
250	250	IMPERFWC	IMPUTATION FLAG FOR ERFWC97X
254	254	IMPERFXP	IMPUTATION FLAG FOR ERFXP97X
256	257	IMPERNUM	# DR RECORDS IMPUTED PER PROVIDER
69	70	LABTEST	DURING THIS VISIT DID P HAVE LAB TESTS
75	76	MAMMOG	DURING THIS VISIT DID P HAVE MAMMOGRAM
93	94	MEDPRESC	THIS VISIT WERE ANY MEDS PRESCR FOR P
54	54	MPCDATA	MPC DATA FLAG
77	78	MRI	DURING THIS VISIT DID P HAVE MRI/CATSCAN
119	120	NUMCOND	TOTAL # COND RECORDS LINKED TO THIS EVNT
87	88	OTHSVCE	DURING THIS VISIT DID P HAVE OTH TST/EXM
6	8	PID	PERSON NUMBER
83	84	RCVVAC	DURING THIS VISIT DID P RECEIVE VACS
63	64	SEEDOC	DID P SEE MEDICAL DR DURING THIS VISIT
71	72	SONOGRAM	DURING VISIT DID P HAVE SONOG/ULTRAS
91	92	SURGNAME	SURG PROC NAME IN CATEGORIES
89	90	SURGPROC	SURG PROC PERFORMED ON P DURING VISIT
97	97	VAPLACE	VA FACILITY FLAG
363	364	VARPSU97	VARIANCE ESTIMATION PSU,1997
365	367	VARSTR97	VARIANCE ESTIMATION STRATUM,1997
65	66	VSTCTGRY	BEST CATEGORY FOR EROM CARE ON VISIT
67	68	VSTRELCN	WAS VISIT RELATED TO SPECIAL HLTH COND
351	362	WTDPER97	POVERTY/MORTALITY ADJ PERSON LEVL WGT-97
73	74	XRAYS	DURING THIS VISIT DID P HAVE X-RAYS

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-----POSITIONAL LISTING OF VARIABLES-----

START	END	NAME	DESCRIPTION
1	5	DUID	DWELLING UNIT ID
6	8	PID	PERSON NUMBER
9	16	DUPERSID	PERSON ID (DUID + PID)
17	28	EVNTIDX	EVENT ID
29	29	EVENTRN	EVENT ROUND NUMBER
30	41	ERHEVIDX	ER/HS LINK ID
42	53	FFEEIDX	FLAT FEE ID
54	54	MPCDATA	MPC DATA FLAG
55	58	ERDATEYR	EVENT DATE - YEAR
59	60	ERDATEMM	EVENT DATE - MONTH
61	62	ERDATEDD	EVENT DATE - DAY
63	64	SEEDOC	DID P SEE MEDICAL DR DURING THIS VISIT
65	66	VSTCTGRY	BEST CATEGORY FOR EROM CARE ON VISIT
67	68	VSTRELCN	WAS VISIT RELATED TO SPECIAL HLTH COND
69	70	LABTEST	DURING THIS VISIT DID P HAVE LAB TESTS
71	72	SONOGRAM	DURING VISIT DID P HAVE SONOG/ULTRAS
73	74	XRAYS	DURING THIS VISIT DID P HAVE X-RAYS
75	76	MAMMOG	DURING THIS VISIT DID P HAVE MAMMOGRAM
77	78	MRI	DURING THIS VISIT DID P HAVE MRI/CATSCAN
79	80	EKG	DURING THIS VISIT DID P HAVE EKG OR ECG
81	82	EEG	DURING THIS VISIT DID P HAVE EEG
83	84	RCVVAC	DURING THIS VISIT DID P RECEIVE VACS
85	86	ANESTH	DURING THIS VISIT DID P RECEIVE ANESTH
87	88	OTHSVCE	DURING THIS VISIT DID P HAVE OTH TST/EXM
89	90	SURGPCOC	SURG PROC PERFORMED ON P DURING VISIT
91	92	SURGNAME	SURG PROC NAME IN CATEGORIES
93	94	MEDPRESC	THIS VISIT WERE ANY MEDS PRESCR FOR P
95	96	DOCOUTF	DID P SEE ANY ER DOCTORS OUTSIDE OF ER
97	97	VAPLACE	VA FACILITY FLAG
98	100	ERICD1X	3 DIGIT ICD-9 CONDITION CODE
101	103	ERICD2X	3 DIGIT ICD-9 CONDITION CODE
104	106	ERICD3X	3 DIGIT ICD-9 CONDITION CODE
107	109	ERPRO1X	2 DIGIT ICD-9 PROCEDURE CODE
110	112	ERCCC1X	MODIFIED CLINICAL CLASSIFICATION CODE
113	115	ERCCC2X	MODIFIED CLINICAL CLASSIFICATION CODE
116	118	ERCCC3X	MODIFIED CLINICAL CLASSIFICATION CODE
119	120	NUMCOND	TOTAL # COND RECORDS LINKED TO THIS EVNT
121	122	FFERTYPX	ED FLAT FEE STEM-LEAF INDICATOR
123	130	EREXP97X	TOT EXP FOR EVENT (ERFXP97X + ERDXP97X)
131	138	ERTC97X	TOT CHG FOR EVENT (ERFTC97X + ERDTC97X)
139	146	ERFSF97X	FACILITY AMT PD, FAMILY (IMPUTED)
147	154	ERFMR97X	FACILITY AMT PD, MEDICARE (IMPUTED)
155	161	ERFMD97X	FACILITY AMT PD, MEDICAID (IMPUTED)
162	169	ERFPV97X	FACILITY AMT PD, PRIV INSUR (IMPUTED)
170	177	ERFVA97X	FACILITY AMT PD, VETERANS (IMPUTED)
178	184	ERFCH97X	FACILITY AMT PD, CHAMP/CHAMPVA (IMPUTED)
185	191	ERFOF97X	FACILITY AMT PD, OTH FEDERAL (IMPUTED)
192	197	ERFSL97X	FACILITY AMT PD, STATE/LOC GOV (IMPUTED)
198	204	ERFWC97X	FACILITY AMT PD, WORKERS COMP (IMPUTED)
205	211	ERFOR97X	FACILITY AMT PD, OTH PRIV (IMPUTED)
212	217	ERFOU97X	FACILITY AMT PD, OTH PUB (IMPUTED)
218	225	ERFOT97X	FACILITY AMT PD, OTH INSUR (IMPUTED)
226	233	ERFXP97X	FACILITY SUM PAYMENTS ERFSF97X-ERFOT97X
234	241	ERFTC97X	TOTAL FACILITY CHARGE (IMPUTED)
242	242	IMPERFSF	IMPUTATION FLAG FOR ERFSF97X
243	243	IMPERFMR	IMPUTATION FLAG FOR ERFMR97X
244	244	IMPERFMD	IMPUTATION FLAG FOR ERFMD97X
245	245	IMPERFPV	IMPUTATION FLAG FOR ERFPV97X
246	246	IMPERFVA	IMPUTATION FLAG FOR ERFVA97X

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ALPHABETICAL AND POSITIONAL LISTING OF VARIABLES

-----POSITIONAL LISTING OF VARIABLES-----

START	END	NAME	DESCRIPTION
247	247	IMPERFCH	IMPUTATION FLAG FOR ERFCH97X
248	248	IMPERFOF	IMPUTATION FLAG FOR ERFOF97X
249	249	IMPERFSL	IMPUTATION FLAG FOR ERFSL97X
250	250	IMPERFWC	IMPUTATION FLAG FOR ERFWC97X
251	251	IMPERFOR	IMPUTATION FLAG FOR ERFOR97X
252	252	IMPERFOU	IMPUTATION FLAG FOR ERFOU97X
253	253	IMPERFOT	IMPUTATION FLAG FOR ERFOT97X
254	254	IMPERFXP	IMPUTATION FLAG FOR ERFXP97X
255	255	IMPERCHG	IMPUTATION STATUS OF ERFTC97X
256	257	IMPERNUM	# DR RECORDS IMPUTED PER PROVIDER
258	264	ERDSF97X	DOCTOR AMOUNT PAID, FAMILY (IMPUTED)
265	271	ERDMR97X	DOCTOR AMOUNT PAID, MEDICARE (IMPUTED)
272	278	ERDMD97X	DOCTOR AMOUNT PAID, MEDICAID (IMPUTED)
279	285	ERDPV97X	DOCTOR AMOUNT PAID, PRIVATE INSURANCE (IMP)
286	290	ERDVA97X	DOCTOR AMOUNT PAID, VETERANS (IMPUTED)
291	296	ERDCH97X	DOCTOR AMOUNT PAID, CHAMP/CHAMPVA (IMP)
297	302	ERDOF97X	DOCTOR AMOUNT PAID, OTHER FEDERAL (IMP)
303	307	ERDSL97X	DOCTOR AMOUNT PAID, STATE/LOCAL GOVT (IMP)
308	314	ERDWC97X	DOCTOR AMOUNT PAID, WORKER'S COMP (IMP)
315	322	ERDOR97X	DOCTOR AMOUNT PAID, OTHER PRIVATE (IMP)
323	328	ERDOU97X	DOCTOR AMOUNT PAID, OTHER PUBLIC (IMP)
329	334	ERDOT97X	DOCTOR AMOUNT PAID, OTHER INSURANCE (IMP)
335	342	ERDXP97X	DOCTOR SUM OF PAYMENTS ERDSF97X-ERDOU97X
343	350	ERDTC97X	TOTAL DOCTOR CHARGE (IMPUTED)
351	362	WTDPER97	POVERTY/MORTALITY ADJ PERSON LEVL WGT-97
363	364	VARPSU97	VARIANCE ESTIMATION PSU, 1997
365	367	VARSTR97	VARIANCE ESTIMATION STRATUM, 1997

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
DUID	DWELLING UNIT ID	5.0	NUM	1	5
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	VALID ID	5,975		44,920,484	
	TOTAL	5,975		44,920,484	
PID	PERSON NUMBER	3.0	NUM	6	8
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	VALID ID	5,975		44,920,484	
	TOTAL	5,975		44,920,484	
DUPERSID	PERSON ID (DUID + PID)	8.0	CHAR	9	16
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	VALID ID	5,975		44,920,484	
	TOTAL	5,975		44,920,484	
EVNTIDX	EVENT ID	12.0	CHAR	17	28
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	VALID ID	5,975		44,920,484	
	TOTAL	5,975		44,920,484	
EVENTRN	EVENT ROUND NUMBER	1.0	NUM	29	29
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	1 ROUND 1	1,162		10,102,394	
	2 ROUND 2	1,210		10,281,316	
	3 ROUND 3	1,281		9,241,347	
	4 ROUND 4	1,666		10,877,631	
	5 ROUND 5	656		4,417,795	
	TOTAL	5,975		44,920,484	
ERHEVIDX	ER/HS LINK ID	12.0	CHAR	30	41
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	5,834		43,838,363	
	VALID ID	141		1,082,121	
	TOTAL	5,975		44,920,484	

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
FFEEIDX	FLAT FEE ID	12.0	CHAR	42	53
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-1 INAPPLICABLE	5,947		44,541,193	
	VALID ID	28		379,291	
	TOTAL	5,975		44,920,484	
MPCDATA	MPC DATA FLAG	1.0	NUM	54	54
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	1 HAS MPC DATA	2,413		18,198,839	
	2 NO MPC DATA	3,562		26,721,645	
	TOTAL	5,975		44,920,484	
ERDATEYR	EVENT DATE - YEAR	4.0	NUM	55	58
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-9 NOT ASCERTAINED	3		28,641	
	-8 DK	1		4,802	
	1997	5,971		44,887,041	
	TOTAL	5,975		44,920,484	
ERDATEMM	EVENT DATE - MONTH	2.0	NUM	59	60
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-9 NOT ASCERTAINED	7		53,147	
	1 - 12 MONTH	5,968		44,867,337	
	TOTAL	5,975		44,920,484	
ERDATEDD	EVENT DATE - DAY	2.0	NUM	61	62
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-9 NOT ASCERTAINED	21		121,805	
	-8 DK	694		4,921,467	
	-7 REFUSED	1		10,498	
	1 - 31 DAY	5,259		39,866,714	
	TOTAL	5,975		44,920,484	
SEEDOC	DID P SEE MEDICAL DR DURING THIS VISIT	2.0	NUM	63	64
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-9 NOT ASCERTAINED	63		441,125	
	-8 DK	18		147,383	
	-7 REFUSED	2		19,625	
	1 YES	5,655		42,464,836	
	2 NO	237		1,847,515	
	TOTAL	5,975		44,920,484	

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
VSTCTGRY	BEST CATEGORY FOR FROM CARE ON VISIT	2.0	NUM	65	66
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-9 NOT ASCERTAINED	38		258,976	
	-8 DK	3		9,351	
	-7 REFUSED	1		10,498	
	1 DIAGNOSIS OR TREATMENT	2,816		20,988,359	
	2 EMERGENCY (ACCIDNT/INJURY)	2,767		21,457,444	
	3 PSYCHOTHERAPY OR MH COUNSELING	30		217,410	
	4 FOLLOW-UP/POST-OPERATIVE VISIT	111		721,787	
	5 IMMUNIZATIONS OR SHOTS	18		86,483	
	6 MATERNITY CARE (PRE/POSTNATAL)	105		596,061	
	91 OTHER	86		574,115	
	TOTAL	5,975		44,920,484	
VSTRELCN	WAS VISIT RELATED TO SPECIAL HLTH COND	2.0	NUM	67	68
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-9 NOT ASCERTAINED	11		67,744	
	-8 DK	14		112,164	
	-7 REFUSED	1		10,498	
	1 YES	5,605		41,850,121	
	2 NO	344		2,879,956	
	TOTAL	5,975		44,920,484	
LABTEST	DURING THIS VISIT DID P HAVE LAB TESTS	2.0	NUM	69	70
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-9 NOT ASCERTAINED	65		473,760	
	-8 DK	69		520,853	
	-7 REFUSED	2		19,625	
	1 YES	2,210		16,236,940	
	2 NO	1,693		13,549,703	
	95 NO SERVICES RECEIVED	1,936		14,119,603	
	TOTAL	5,975		44,920,484	
SONOGRAM	DURING VISIT DID P HAVE SONOG/ULTRAS	2.0	NUM	71	72
	VALUE	UNWEIGHTED		WEIGHTED BY	WTDPER97
	-9 NOT ASCERTAINED	65		473,760	
	-8 DK	69		520,853	
	-7 REFUSED	2		19,625	
	1 YES	291		2,156,626	
	2 NO	3,612		27,630,017	
	95 NO SERVICES RECEIVED	1,936		14,119,603	
	TOTAL	5,975		44,920,484	

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
XRAYS	DURING THIS VISIT DID P HAVE X-RAYS	2.0	NUM	73	74
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	65	473,760		
	-8 DK	69	520,853		
	-7 REFUSED	2	19,625		
	1 YES	2,255	17,569,357		
	2 NO	1,648	12,217,285		
	95 NO SERVICES RECEIVED	1,936	14,119,603		
	TOTAL	5,975	44,920,484		
MAMMOG	DURING THIS VISIT DID P HAVE MAMMOGRAM	2.0	NUM	75	76
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	65	473,760		
	-8 DK	69	520,853		
	-7 REFUSED	2	19,625		
	1 YES	5	18,588		
	2 NO	3,898	29,768,054		
	95 NO SERVICES RECEIVED	1,936	14,119,603		
	TOTAL	5,975	44,920,484		
MRI	DURING THIS VISIT DID P HAVE MRI/CATSCAN	2.0	NUM	77	78
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	65	473,760		
	-8 DK	69	520,853		
	-7 REFUSED	2	19,625		
	1 YES	235	1,909,925		
	2 NO	3,668	27,876,718		
	95 NO SERVICES RECEIVED	1,936	14,119,603		
	TOTAL	5,975	44,920,484		
EKG	DURING THIS VISIT DID P HAVE EKG OR ECG	2.0	NUM	79	80
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	65	473,760		
	-8 DK	69	520,853		
	-7 REFUSED	2	19,625		
	1 YES	704	5,355,154		
	2 NO	3,199	24,431,489		
	95 NO SERVICES RECEIVED	1,936	14,119,603		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
EEG	DURING THIS VISIT DID P HAVE EEG	2.0	NUM	81	82
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	65	473,760		
	-8 DK	69	520,853		
	-7 REFUSED	2	19,625		
	1 YES	76	610,306		
	2 NO	3,827	29,176,336		
	95 NO SERVICES RECEIVED	1,936	14,119,603		
	TOTAL	5,975	44,920,484		
RCVVAC	DURING THIS VISIT DID P RECEIVE VACS	2.0	NUM	83	84
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	65	473,760		
	-8 DK	69	520,853		
	-7 REFUSED	2	19,625		
	1 YES	118	827,617		
	2 NO	3,785	28,959,026		
	95 NO SERVICES RECEIVED	1,936	14,119,603		
	TOTAL	5,975	44,920,484		
ANESTH	DURING THIS VISIT DID P RECEIVE ANESTH	2.0	NUM	85	86
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	65	473,760		
	-8 DK	69	520,853		
	-7 REFUSED	2	19,625		
	1 YES	139	1,136,992		
	2 NO	3,764	28,649,651		
	95 NO SERVICES RECEIVED	1,936	14,119,603		
	TOTAL	5,975	44,920,484		
OTHSVCE	DURING THIS VISIT DID P HAVE OTH TST/EXM	2.0	NUM	87	88
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	65	473,760		
	-8 DK	69	520,853		
	-7 REFUSED	2	19,625		
	1 YES	494	3,764,458		
	2 NO	3,409	26,022,185		
	95 NO SERVICES RECEIVED	1,936	14,119,603		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
SURGPROC	SURG PROC PERFORMED ON P DURING VISIT	2.0	NUM	89	90
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	71	477,332		
	-8 DK	3	31,816		
	-7 REFUSED	2	19,625		
	1 YES	528	4,095,651		
	2 NO	5,371	40,296,059		
	TOTAL	5,975	44,920,484		
SURGNAME	SURG PROC NAME IN CATEGORIES	2.0	NUM	91	92
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-8 DK	1	8,369		
	-1 INAPPLICABLE	5,447	40,824,833		
	1 CLEANING/TREATMT WOUND, INFECTION	57	389,865		
	2 STITCHES (WOUND)	308	2,556,202		
	3 SURGICAL SETTING OF BROKEN BONE	32	215,223		
	91 OTHER SURGICAL PROCEDURE	130	925,991		
	TOTAL	5,975	44,920,484		
MEDPRESC	THIS VISIT WERE ANY MEDS PRESCR FOR P	2.0	NUM	93	94
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	53	396,976		
	-8 DK	76	553,006		
	-7 REFUSED	2	19,625		
	1 YES	2,386	18,183,526		
	2 NO	3,458	25,767,350		
	TOTAL	5,975	44,920,484		
DOCOUTF	DID P SEE ANY ER DOCTORS OUTSIDE OF ER	2.0	NUM	95	96
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	86	619,622		
	-8 DK	192	1,730,964		
	-7 REFUSED	2	19,625		
	1 YES	357	2,865,817		
	2 NO	5,338	39,684,456		
	TOTAL	5,975	44,920,484		
VAPLACE	VA FACILITY FLAG	1.0	NUM	97	97
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 NO	5,905	44,433,980		
	1 YES	70	486,504		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERICD1X	3 DIGIT ICD-9 CONDITION CODE	3.0	CHAR	98	100
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	435	3,567,723		
	-8 DK	34	269,106		
	001-139	302	2,495,317		
	140-239	54	385,031		
	240-279	142	1,019,085		
	280-289	9	52,405		
	290-319	90	659,872		
	320-389	347	2,517,448		
	390-459	392	2,811,275		
	460-519	653	4,218,423		
	520-579	358	2,612,633		
	580-629	271	2,154,123		
	630-677	50	296,552		
	680-709	89	712,963		
	710-739	265	1,976,630		
	740-759	14	104,294		
	780-799	518	3,751,550		
	800-999	1,810	14,412,672		
	V00-V99	142	903,383		
	TOTAL	5,975	44,920,484		

NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERICD2X	3 DIGIT ICD-9 CONDITION CODE	3.0	CHAR	101	103
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	5,452	41,195,589		
	-8 DK	5	46,816		
	001-139	16	91,342		
	140-239	3	21,728		
	240-279	13	64,464		
	280-289	2	11,807		
	290-319	7	56,350		
	320-389	30	193,898		
	390-459	56	357,491		
	460-519	72	478,025		
	520-579	32	204,181		
	580-629	23	120,628		
	630-677	6	35,767		
	680-709	3	16,264		
	710-739	22	163,321		
	740-759	12	102,798		
	780-799	89	594,918		
	800-999	125	1,111,211		
	V00-V99	7	53,886		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERICD3X	3 DIGIT ICD-9 CONDITION CODE	3.0	CHAR	104	106
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	5,830	43,987,233		
	-8 DK	1	1,107		
	001-139	1	2,473		
	140-239	3	10,230		
	240-279	3	25,313		
	290-319	6	20,138		
	320-389	6	48,578		
	390-459	15	88,032		
	460-519	16	84,406		
	520-579	7	52,304		
	580-629	4	22,264		
	710-739	17	123,886		
	740-759	1	6,550		
	780-799	25	200,000		
	800-999	39	244,402		
	V00-V99	1	3,568		
	TOTAL	5,975	44,920,484		
ERPRO1X	2 DIGIT ICD-9 PROCEDURE CODE	3.0	CHAR	107	109
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	5,876	44,097,700		
	01-05	4	55,058		
	08-16	7	73,180		
	21-29	4	28,692		
	35-39	5	34,221		
	42-54	20	160,225		
	55-59	1	1,507		
	60-64	6	14,504		
	65-71	1	24,789		
	76-84	9	42,760		
	85-86	30	302,356		
	87-99	12	85,492		
	TOTAL	5,975	44,920,484		
ERCC1X	MODIFIED CLINICAL CLASSIFICATION CODE	3.0	CHAR	110	112
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	435	3,567,723		
	-8 DK	34	269,106		
	001-260	5,506	41,083,654		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERCCC2X	MODIFIED CLINICAL CLASSIFICATION CODE	3.0	CHAR	113	115
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	5,452	41,195,589		
	-8 DK	5	46,816		
	001-260	518	3,678,079		
	TOTAL	5,975	44,920,484		
ERCCC3X	MODIFIED CLINICAL CLASSIFICATION CODE	3.0	CHAR	116	118
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	5,830	43,987,233		
	-8 DK	1	1,107		
	001-260	144	932,143		
	TOTAL	5,975	44,920,484		
NUMCOND	TOTAL # COND RECORDS LINKED TO THIS EVNT	2.0	NUM	119	120
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	371	3,070,363		
	1-3	5,557	41,554,654		
	4	27	151,549		
	5	8	69,213		
	6	2	5,407		
	7	3	26,844		
	8	1	10,293		
	10	5	21,870		
	11	1	10,293		
	TOTAL	5,975	44,920,484		
FFERTYPX	ED FLAT FEE STEM-LEAF INDICATOR	2.0	NUM	121	122
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	5,947	44,541,193		
	1 FLAT FEE STEM	21	253,246		
	2 FLAT FEE LEAF	7	126,045		
	TOTAL	5,975	44,920,484		
EREXP97X	TOT EXP FOR EVENT (EREXP97X + ERDXP97X)	8.2	NUM	123	130
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	484	3,390,793		
	\$0.84 - \$110.00	1,373	9,618,325		
	\$110.01 - \$214.90	1,373	10,385,007		
	\$214.91 - \$422.80	1,377	10,704,319		
	\$422.81 - \$25347.38	1,368	10,822,040		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERTC97X	TOT CHG FOR EVENT (ERTC97X + ERDTC97X)	8.2	NUM	131	138
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	70	531,155		
	\$7.34 - \$200.25	1,513	11,302,720		
	\$200.26 - \$379.25	1,488	11,374,238		
	\$379.26 - \$757.00	1,475	11,189,606		
	\$757.01 - \$40000.00	1,429	10,522,765		
	TOTAL	5,975	44,920,484		
ERFSF97X	FACILITY AMT PD, FAMILY (IMPUTED)	8.2	NUM	139	146
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	4,015	28,384,910		
	\$0.02 - \$25.00	634	5,352,477		
	\$25.01 - \$50.00	429	3,595,387		
	\$50.01 - \$149.00	407	3,529,398		
	\$149.01 - \$11467.00	490	4,058,313		
	TOTAL	5,975	44,920,484		
ERFMR97X	FACILITY AMT PD, MEDICARE (IMPUTED)	8.2	NUM	147	154
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,122	38,674,941		
	\$2.02 - \$47.00	215	1,647,755		
	\$47.01 - \$112.39	213	1,591,721		
	\$112.40 - \$233.62	212	1,535,268		
	\$233.63 - \$13693.69	213	1,470,798		
	TOTAL	5,975	44,920,484		
ERFMD97X	FACILITY AMT PD, MEDICAID (IMPUTED)	7.2	NUM	155	161
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	4,740	38,455,859		
	\$0.76 - \$49.39	310	1,662,042		
	\$49.40 - \$100.00	318	1,723,469		
	\$100.01 - \$169.04	299	1,474,072		
	\$169.05 - \$5598.00	308	1,605,041		
	TOTAL	5,975	44,920,484		
ERFPV97X	FACILITY AMT PD, PRIV INSUR (IMPUTED)	8.2	NUM	162	169
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	3,649	24,176,850		
	\$1.79 - \$81.00	586	5,062,280		
	\$81.01 - \$170.24	577	5,182,418		
	\$170.25 - \$332.59	581	5,154,170		
	\$332.60 - \$25234.07	582	5,344,766		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERFVA97X	FACILITY AMT PD, VETERANS (IMPUTED)	8.2	NUM	170	177
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,849	44,278,455		
	\$17.25 - \$96.10	33	165,206		
	\$96.11 - \$142.70	30	208,067		
	\$142.71 - \$320.02	32	131,987		
	\$320.03 - \$13693.69	31	136,769		
	TOTAL	5,975	44,920,484		
ERFCH97X	FACILITY AMT PD, CHAMP/CHAMPVA (IMPUTED)	7.2	NUM	178	184
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,943	44,702,803		
	\$27.71 - \$91.50	8	52,547		
	\$91.51 - \$160.65	9	64,392		
	\$160.66 - \$272.40	7	35,676		
	\$272.41 - \$6279.27	8	65,066		
	TOTAL	5,975	44,920,484		
ERFOF97X	FACILITY AMT PD, OTH FEDERAL (IMPUTED)	7.2	NUM	185	191
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,890	44,368,080		
	\$14.10 - \$88.00	23	131,545		
	\$88.01 - \$123.57	20	148,792		
	\$123.58 - \$222.75	21	144,608		
	\$222.76 - \$6846.85	21	127,459		
	TOTAL	5,975	44,920,484		
ERESL97X	FACILITY AMT PD, STATE/LOC GOV (IMPUTED)	6.2	NUM	192	197
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,954	44,794,334		
	\$1.79 - \$50.00	6	28,703		
	\$50.01 - \$145.49	5	34,394		
	\$145.50 - \$349.72	5	43,991		
	\$349.73 - \$817.88	5	19,062		
	TOTAL	5,975	44,920,484		
ERFWC97X	FACILITY AMT PD, WORKERS COMP (IMPUTED)	7.2	NUM	198	204
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,814	43,489,493		
	\$1.00 - \$134.31	43	395,270		
	\$134.32 - \$199.00	39	334,578		
	\$199.01 - \$374.21	40	327,081		
	\$374.22 - \$2679.14	39	374,062		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERFOR97X	FACILITY AMT PD, OTH PRIV (IMPUTED)	7.2	NUM	205	211
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,809	43,701,979		
	\$2.56 - \$63.15	42	280,743		
	\$63.16 - \$138.10	41	311,976		
	\$138.11 - \$299.32	42	309,105		
	\$299.33 - \$4341.00	41	316,680		
	TOTAL	5,975	44,920,484		
ERFOU97X	FACILITY AMT PD, OTH PUB (IMPUTED)	6.2	NUM	212	217
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,941	44,775,613		
	\$26.73 - \$77.27	9	34,611		
	\$77.28 - \$138.63	8	40,145		
	\$138.64 - \$215.47	9	32,952		
	\$215.48 - \$595.00	8	37,162		
	TOTAL	5,975	44,920,484		
ERFOT97X	FACILITY AMT PD, OTH INSUR (IMPUTED)	8.2	NUM	218	225
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,843	43,906,641		
	\$10.00 - \$101.00	34	267,626		
	\$101.01 - \$196.93	32	273,367		
	\$196.94 - \$441.00	35	250,805		
	\$441.01 - \$11467.00	31	222,044		
	TOTAL	5,975	44,920,484		
EREXP97X	FACILITY SUM PAYMENTS ERFSE97X-ERFOT97X	8.2	NUM	226	233
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	753	5,315,798		
	\$0.84 - \$87.75	1,306	9,079,790		
	\$87.76 - \$170.03	1,306	10,006,619		
	\$170.04 - \$336.00	1,306	9,911,596		
	\$336.01 - \$25234.07	1,304	10,606,680		
	TOTAL	5,975	44,920,484		
ERETC97X	TOTAL FACILITY CHARGE (IMPUTED)	8.2	NUM	234	241
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	141	1,082,121		
	\$5.00 - \$149.22	1,482	10,840,127		
	\$149.23 - \$283.50	1,473	11,241,171		
	\$283.51 - \$585.00	1,467	11,083,102		
	\$585.01 - \$40000.00	1,412	10,673,964		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
IMPERFSF	IMPUTATION FLAG FOR ERF97X	1.0	NUM	242	242
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,607	41,885,535		
	1 IMPUTED	368	3,034,948		
	TOTAL	5,975	44,920,484		
IMPERFMR	IMPUTATION FLAG FOR ERFMR97X	1.0	NUM	243	243
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,440	40,969,113		
	1 IMPUTED	535	3,951,370		
	TOTAL	5,975	44,920,484		
IMPERFMD	IMPUTATION FLAG FOR ERFMD97X	1.0	NUM	244	244
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,208	41,171,603		
	1 IMPUTED	767	3,748,880		
	TOTAL	5,975	44,920,484		
IMPERFPV	IMPUTATION FLAG FOR ERF97X	1.0	NUM	245	245
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	4,505	32,113,519		
	1 IMPUTED	1,470	12,806,965		
	TOTAL	5,975	44,920,484		
IMPERFVA	IMPUTATION FLAG FOR ERFVA97X	1.0	NUM	246	246
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,853	43,993,558		
	1 IMPUTED	122	926,926		
	TOTAL	5,975	44,920,484		
IMPERFCH	IMPUTATION FLAG FOR ERFCH97X	1.0	NUM	247	247
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,941	44,589,438		
	1 IMPUTED	34	331,046		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
IMPERFOF	IMPUTATION FLAG FOR ERFOF97X	1.0	NUM	248	248
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,952	44,749,676		
	1 IMPUTED	23	170,808		
	TOTAL	5,975	44,920,484		
IMPERFSL	IMPUTATION FLAG FOR ERFSL97X	1.0	NUM	249	249
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,959	44,825,753		
	1 IMPUTED	16	94,730		
	TOTAL	5,975	44,920,484		
IMPERFWC	IMPUTATION FLAG FOR ERFWC97X	1.0	NUM	250	250
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,874	44,033,452		
	1 IMPUTED	101	887,032		
	TOTAL	5,975	44,920,484		
IMPERFOR	IMPUTATION FLAG FOR ERFOR97X	1.0	NUM	251	251
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,897	44,340,286		
	1 IMPUTED	78	580,198		
	TOTAL	5,975	44,920,484		
IMPERFOU	IMPUTATION FLAG FOR ERFOU97X	1.0	NUM	252	252
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,953	44,821,005		
	1 IMPUTED	22	99,479		
	TOTAL	5,975	44,920,484		
IMPERFOT	IMPUTATION FLAG FOR ERFOT97X	1.0	NUM	253	253
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	5,879	44,201,437		
	1 IMPUTED	96	719,046		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
IMPERFXP	IMPUTATION FLAG FOR ERFXP97X	1.0	NUM	254	254
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	3,040	23,190,010		
	1 IMPUTED	2,935	21,730,474		
	TOTAL	5,975	44,920,484		
IMPERCHG	IMPUTATION STATUS OF ERFTC97X	1.0	NUM	255	255
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0 UNIMPUTED	3,240	25,158,202		
	1 IMPUTED	2,735	19,762,282		
	TOTAL	5,975	44,920,484		
IMPERNUM	# DR RECORDS IMPUTED PER PROVIDER	2.0	NUM	256	257
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	2,953	22,608,823		
	0	1,146	8,237,860		
	1 - 7	1,876	14,073,801		
	TOTAL	5,975	44,920,484		
ERDSF97X	DOCTOR AMOUNT PAID, FAMILY (IMPUTED)	7.2	NUM	258	264
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,288	39,519,555		
	\$0.51 - \$10.20	180	1,363,269		
	\$10.21 - \$31.44	164	1,321,344		
	\$31.45 - \$100.00	184	1,520,718		
	\$100.01 - \$1500.00	159	1,195,599		
	TOTAL	5,975	44,920,484		
ERDMR97X	DOCTOR AMOUNT PAID, MEDICARE (IMPUTED)	7.2	NUM	265	271
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,427	41,115,244		
	\$1.56 - \$26.95	138	1,004,497		
	\$26.96 - \$69.04	136	874,067		
	\$69.05 - \$120.00	140	937,213		
	\$120.01 - \$2413.48	134	989,464		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERDMD97X	DOCTOR AMOUNT PAID, MEDICAID (IMPUTED)	7.2	NUM	272	278
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,421	41,538,597		
	\$0.50 - \$17.00	142	942,367		
	\$17.01 - \$35.00	142	957,413		
	\$35.01 - \$69.60	132	721,415		
	\$69.61 - \$1753.60	138	760,691		
	TOTAL	5,975	44,920,484		
ERDPV97X	DOCTOR AMOUNT PAID, PRIVATE INSURANCE (IMP)	7.2	NUM	279	285
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	4,860	34,956,485		
	\$1.56 - \$37.00	286	2,524,576		
	\$37.01 - \$88.00	273	2,444,112		
	\$88.01 - \$186.23	278	2,547,448		
	\$186.24 - \$3472.00	278	2,447,863		
	TOTAL	5,975	44,920,484		
ERDVA97X	DOCTOR AMOUNT PAID, VETERANS (IMPUTED)	5.2	NUM	286	290
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,963	44,830,335		
	\$17.64 - \$58.50	12	90,149		
	TOTAL	5,975	44,920,484		
ERDCH97X	DOCTOR AMOUNT PAID, CHAMP/CHAMPVA (IMP)	6.2	NUM	291	296
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,958	44,736,746		
	\$31.70 - \$440.00	17	183,738		
	TOTAL	5,975	44,920,484		
ERDOF97X	DOCTOR AMOUNT PAID, OTHER FEDERAL (IMP)	6.2	NUM	297	302
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,964	44,828,681		
	\$17.64 - \$573.66	11	91,803		
	TOTAL	5,975	44,920,484		
ERDSL97X	DOCTOR AMOUNT PAID, STATE/LOCAL GOVT (IMP)	5.2	NUM	303	307
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,966	44,841,013		
	\$6.91 - \$36.11	9	79,471		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERDWC97X	DOCTOR AMOUNT PAID, WORKER'S COMP (IMP)	7.2	NUM	308	314
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,911	44,349,545		
	\$12.16 - \$43.29	16	117,224		
	\$43.30 - \$69.81	16	148,225		
	\$69.82 - \$125.00	17	184,293		
	\$125.01 - \$1348.00	15	121,197		
	TOTAL	5,975	44,920,484		
ERDOR97X	DOCTOR AMOUNT PAID, OTHER PRIVATE (IMP)	8.2	NUM	315	322
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,551	42,423,147		
	\$1.56 - \$36.00	106	663,593		
	\$36.01 - \$77.00	108	676,907		
	\$77.01 - \$171.00	106	574,149		
	\$171.01 - \$11942.65	104	582,688		
	TOTAL	5,975	44,920,484		
ERDOU97X	DOCTOR AMOUNT PAID, OTHER PUBLIC (IMP)	6.2	NUM	323	328
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,930	44,693,906		
	\$0.50 - \$6.90	12	33,153		
	\$6.91 - \$25.13	11	65,533		
	\$25.14 - \$101.00	11	75,946		
	\$101.01 - \$700.00	11	51,947		
	TOTAL	5,975	44,920,484		
ERDOT97X	DOCTOR AMOUNT PAID, OTHER INSURANCE (IMP)	6.2	NUM	329	334
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	5,971	44,897,219		
	\$28.00 - \$197.00	4	23,265		
	TOTAL	5,975	44,920,484		
ERDXP97X	DOCTOR SUM OF PAYMENTS ERDSF97X-ERDOU97X	8.2	NUM	335	342
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	3,460	26,070,539		
	\$2.58 - \$39.92	634	4,673,209		
	\$39.93 - \$88.00	631	4,528,718		
	\$88.01 - \$189.65	623	4,850,405		
	\$189.66 - \$11945.65	627	4,797,613		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERDTC97X	TOTAL DOCTOR CHARGE (IMPUTED)	8.2	NUM	343	350
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	2,954	22,622,578		
	\$8.69 - \$75.00	770	5,785,118		
	\$75.01 - \$139.02	740	5,493,029		
	\$139.03 - \$288.00	756	5,573,578		
	\$288.01 - \$13150.00	755	5,446,181		
	TOTAL	5,975	44,920,484		
WTDPER97	POVERTY/MORTALITY ADJ PERSON LEVL WGT-97	12.6	NUM	351	362
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	272	0		
	506.648339-64324.460189	5,703	44,920,484		
	TOTAL	5,975	44,920,484		
VARPSU97	VARIANCE ESTIMATION PSU,1997	2.0	NUM	363	364
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	1-34	5,975	44,920,484		
	TOTAL	5,975	44,920,484		
VARSTR97	VARIANCE ESTIMATION STRATUM,1997	3.0	NUM	365	367
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	1-254	5,975	44,920,484		
	TOTAL	5,975	44,920,484		

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ALPHABETICAL AND POSITIONAL LISTING OF VARIABLES

-----ALPHABETICAL LISTING OF VARIABLES-----

START	END	NAME	DESCRIPTION
1	5	DUID	DWELLING UNIT ID
9	16	DUPERSID	PERSON ID (DUID + PID)
73	78	ERCH97H	HHLR RPTD AMT PD, CHMP/CHVA(PRE-IMPURED)
153	159	ERCH97M	MPC RPTD AMT PD, CHMP/CHMPVA(UN-IMPURED)
55	59	ERMD97H	HHLR RPTD AMT PD, MEDICAID(PRE-IMPURED)
134	140	ERMD97M	MPC RPTD AMT PD, MEDICAID(UN-IMPURED)
47	54	ERMR97H	HHLR RPTD AMT PD, MEDICARE(PRE-IMPURED)
127	133	ERMR97M	MPC RPTD AMT PD, MEDICARE(UN-IMPURED)
79	84	EROF97H	HHLR RPTD AMT PD, OTHER FED(PRE-IMPURED)
160	165	EROF97M	MPC RPTD AMT PD, OTHER FED(UN-IMPURED)
97	103	EROT97H	HHLR RPTD AMT PD, OTH INSUR(PRE-IMPURED)
179	184	EROT97M	MPC RPTD AMT PD, OTH INSUR(UN-IMPURED)
60	67	ERPV97H	HHLR RPTD AMT PD, PRIV INS(PRE-IMPURED)
141	147	ERPV97M	MPC RPTD AMT PD, PRIV INS(UN-IMPURED)
39	46	ERSF97H	HHLR RPTD AMT PD, FAMILY(PRE-IMPURED)
120	126	ERSF97M	MPC RPTD AMT PD, FAMILY(UN-IMPURED)
85	90	ERSL97H	HHLR RPTD AMT PD, STATE/LOC(PRE-IMPURED)
166	171	ERSL97M	MPC RPTD AMT PD, STATE & LOC(UN-IMPURED)
104	111	ERTC97H	HHLR REPORTED TOTAL CHARGE(PRE-IMPURED)
185	192	ERTC97M	MPC REPORTED TOTAL CHARGE(UN-IMPURED)
112	119	ERUC97H	HHLR RPTD AMT PD, UNCOL LIAB(PRE-IMPURED)
68	72	ERVA97H	HHLR RPTD AMT PD, VETERANS(PRE-IMPURED)
148	152	ERVA97M	MPC RPTD AMT PD, VETERANS(UN-IMPURED)
91	96	ERWC97H	HHLR RPTD AMT PD, WORK COMP(PRE-IMPURED)
172	178	ERWC97M	MPC RPTD AMT PD, WORK COMPU(UN-IMPURED)
17	28	EVNTIDX	EVENT ID
29	38	HHSFFIDX	HOUSEHOLD REPORTED FLAT FEE ID (UNEDTED)
6	8	PID	PERSON NUMBER
205	206	VARPSU97	VARIANCE ESTIMATION PSU,1997
207	209	VARSTR97	VARIANCE ESTIMATION STRATUM,1997
193	204	WTDPER97	POVERTY/MORTALITY ADJ PERSON LEVL WGT-97

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ALPHABETICAL AND POSITIONAL LISTING OF VARIABLES

-----POSITIONAL LISTING OF VARIABLES-----

START	END	NAME	DESCRIPTION
1	5	DUID	DWELLING UNIT ID
6	8	PID	PERSON NUMBER
9	16	DUPERSID	PERSON ID (DUID + PID)
17	28	EVNTIDX	EVENT ID
29	38	HHSFFIDX	HOUSEHOLD REPORTED FLAT FEE ID (UNEDTED)
39	46	ERSF97H	HHLD RPTD AMT PD, FAMILY(PRE-IMPURED)
47	54	ERMR97H	HHLD RPTD AMT PD, MEDICARE(PRE-IMPURED)
55	59	ERMD97H	HHLD RPTD AMT PD, MEDICAID(PRE-IMPURED)
60	67	ERP97H	HHLD RPTD AMT PD, PRIV INS(PRE-IMPURED)
68	72	ERVA97H	HHLD RPTD AMT PD, VETERANS(PRE-IMPURED)
73	78	ERCH97H	HHLD RPTD AMT PD, CHMP/CHVA(PRE-IMPURED)
79	84	EROF97H	HHLD RPTD AMT PD, OTHER FED(PRE-IMPURED)
85	90	ERSL97H	HHLD RPTD AMT PD, STATE/LOC(PRE-IMPURED)
91	96	ERWC97H	HHLD RPTD AMT PD, WORK COMP(PRE-IMPURED)
97	103	EROT97H	HHLD RPTD AMT PD, OTH INSUR(PRE-IMPURED)
104	111	ERTC97H	HHLD REPORTED TOTAL CHARGE(PRE-IMPURED)
112	119	ERUC97H	HHLD RPTD AMT PD,UNCOL LIAB(PRE-IMPURED)
120	126	ERSF97M	MPC RPTD AMT PD, FAMILY(UN-IMPURED)
127	133	ERMR97M	MPC RPTD AMT PD, MEDICARE(UN-IMPURED)
134	140	ERMD97M	MPC RPTD AMT PD, MEDICAID(UN-IMPURED)
141	147	ERP97M	MPC RPTD AMT PD, PRIV INS(UN-IMPURED)
148	152	ERVA97M	MPC RPTD AMT PD, VETERANS(UN-IMPURED)
153	159	ERCH97M	MPC RPTD AMT PD, CHMP/CHMPVA(UN-IMPURED)
160	165	EROF97M	MPC RPTD AMT PD, OTHER FED(UN-IMPURED)
166	171	ERSL97M	MPC RPTD AMT PD, STATE & LOC(UN-IMPURED)
172	178	ERWC97M	MPC RPTD AMT PD, WORK COMPU(UN-IMPURED)
179	184	EROT97M	MPC RPTD AMT PD,OTH INSUR(UN-IMPURED)
185	192	ERTC97M	MPC REPORTED TOTAL CHARGE(UN-IMPURED)
193	204	WTDPER97	POVERTY/MORTALITY ADJ PERSON LEVL WGT-97
205	206	VARPSU97	VARIANCE ESTIMATION PSU,1997
207	209	VARSTR97	VARIANCE ESTIMATION STRATUM,1997

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
DUID	DWELLING UNIT ID	5.0	NUM	1	5
	VALUE	UNWEIGHTED	WEIGHTED BY	WTDPER97	
	VALID ID	5,975		44,920,484	
	TOTAL	5,975		44,920,484	
PID	PERSON NUMBER	3.0	NUM	6	8
	VALUE	UNWEIGHTED	WEIGHTED BY	WTDPER97	
	VALID ID	5,975		44,920,484	
	TOTAL	5,975		44,920,484	
DUPERSID	PERSON ID (DUID + PID)	8.0	CHAR	9	16
	VALUE	UNWEIGHTED	WEIGHTED BY	WTDPER97	
	VALID ID	5,975		44,920,484	
	TOTAL	5,975		44,920,484	
EVNTIDX	EVENT ID	12.0	CHAR	17	28
	VALUE	UNWEIGHTED	WEIGHTED BY	WTDPER97	
	VALID ID	5,975		44,920,484	
	TOTAL	5,975		44,920,484	
HHSFFIDX	HOUSEHOLD REPORTED FLAT FEE ID (UNEDTED)	10.0	CHAR	29	38
	VALUE	UNWEIGHTED	WEIGHTED BY	WTDPER97	
	-1 INAPPLICABLE	5,810		43,632,458	
	VALID ID	165		1,288,025	
	TOTAL	5,975		44,920,484	
ERSF97H	HHLD RPTD AMT PD, FAMILY(PRE-IMPUTED)	8.2	NUM	39	46
	VALUE	UNWEIGHTED	WEIGHTED BY	WTDPER97	
	-9 NOT ASCERTAINED	581		4,799,992	
	0	3,762		26,567,376	
	\$1.00 - \$20.00	419		3,480,981	
	\$20.01 - \$50.00	480		4,162,031	
	\$50.01 - \$154.00	326		2,818,145	
	\$154.01 - \$11467.00	407		3,091,960	
	TOTAL	5,975		44,920,484	

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERMR97H	HHLD RPTD AMT PD, MEDICARE(PRE-IMPUTED)	8.2	NUM	47	54
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	922	6,594,490		
	0	4,889	36,977,645		
	\$8.00 - \$71.50	41	430,473		
	\$71.51 - \$185.00	41	275,410		
	\$185.01 - \$532.50	41	312,307		
	\$532.51 - \$14652.00	41	330,158		
	TOTAL	5,975	44,920,484		
ERMD97H	HHLD RPTD AMT PD, MEDICAID(PRE-IMPUTED)	5.2	NUM	55	59
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	1,459	7,549,339		
	0	4,516	37,371,144		
	TOTAL	5,975	44,920,484		
ERP97H	HHLD RPTD AMT PD, PRIV INS(PRE-IMPUTED)	8.2	NUM	60	67
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	2,319	20,091,584		
	0	2,975	18,609,828		
	\$2.00 - \$100.00	174	1,378,766		
	\$100.01 - \$215.00	167	1,496,044		
	\$215.01 - \$415.00	171	1,720,180		
	\$415.01 - \$27000.00	169	1,624,083		
	TOTAL	5,975	44,920,484		
ERVA97H	HHLD RPTD AMT PD, VETERANS(PRE-IMPUTED)	5.2	NUM	68	72
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	250	2,150,302		
	0	5,725	42,770,182		
	TOTAL	5,975	44,920,484		
ERCH97H	HHLD RPTD AMT PD, CHMP/CHVA(PRE-IMPUTED)	6.2	NUM	73	78
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	91	707,328		
	0	5,873	44,137,310		
	\$34.00 - \$53.00	3	16,426		
	\$53.01 - \$170.00	3	22,380		
	\$170.01 - \$230.00	3	21,626		
	\$230.01 - \$326.00	2	15,414		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
EROF97H	HHLD RPTD AMT PD, OTHER FED(PRE-IMPUTED)	6.2	NUM	79	84
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	55	348,626		
	0	5,918	44,558,005		
	\$85.00 - \$410.00	2	13,853		
	TOTAL	5,975	44,920,484		
ERSL97H	HHLD RPTD AMT PD, STATE/LOC(PRE-IMPUTED)	6.2	NUM	85	90
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	24	101,279		
	0	5,947	44,773,617		
	\$73.00 - \$77.50	1	2,801		
	\$77.51 - \$126.00	1	8,555		
	\$126.01 - \$476.00	1	27,375		
	\$476.01 - \$782.00	1	6,857		
	TOTAL	5,975	44,920,484		
ERWC97H	HHLD RPTD AMT PD, WORK COMP(PRE-IMPUTED)	6.2	NUM	91	96
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	190	1,666,330		
	0	5,771	43,154,219		
	\$1.00 - \$126.00	4	24,880		
	\$126.01 - \$222.00	3	17,864		
	\$222.01 - \$402.00	4	29,132		
	\$402.01 - \$829.00	3	28,059		
	TOTAL	5,975	44,920,484		
EROT97H	HHLD RPTD AMT PD, OTH INSUR(PRE-IMPUTED)	7.2	NUM	97	103
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	141	1,132,803		
	0	5,779	43,252,958		
	\$2.00 - \$105.00	14	145,938		
	\$105.01 - \$227.00	14	109,196		
	\$227.01 - \$572.00	14	116,158		
	\$572.01 - \$5000.00	13	163,432		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERTC97H	HHLD REPORTED TOTAL CHARGE(PRE-IMPUTED)	8.2	NUM	104	111
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	4,273	30,941,216		
	0	14	93,815		
	\$5.00 - \$143.00	424	3,323,075		
	\$143.01 - \$278.00	424	3,515,562		
	\$278.01 - \$582.50	418	3,411,425		
	\$582.51 - \$40000.00	422	3,635,390		
	TOTAL	5,975	44,920,484		
ERUC97H	HHLD RPTD AMT PD, UNCOL LIAB(PRE-IMPUTED)	8.2	NUM	112	119
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	2	10,648		
	-8 DK	1	37,289		
	0	5,970	44,853,985		
	\$40.00 - \$54000.00	2	18,561		
	TOTAL	5,975	44,920,484		
ERSF97M	MPC RPTD AMT PD, FAMILY(UN-IMPUTED)	7.2	NUM	120	126
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	3	22,391		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	1,879	13,285,755		
	\$0.02 - \$25.00	177	1,751,485		
	\$25.01 - \$50.00	170	1,355,564		
	\$50.01 - \$83.04	52	442,149		
	\$83.05 - \$1588.49	132	1,341,495		
	TOTAL	5,975	44,920,484		
ERMR97M	MPC RPTD AMT PD, MEDICARE(UN-IMPUTED)	7.2	NUM	127	133
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	10	83,777		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	2,081	15,880,846		
	\$2.02 - \$48.44	81	579,905		
	\$48.45 - \$100.92	80	527,003		
	\$100.93 - \$224.47	81	532,670		
	\$224.48 - \$4755.06	80	594,639		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERMD97M	MPC RPTD AMT PD, MEDICAID(UN-IMPUTED)	7.2	NUM	134	140
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	59	347,798		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	1,820	14,801,436		
	\$0.76 - \$48.21	134	742,387		
	\$48.22 - \$99.10	134	861,140		
	\$99.11 - \$168.87	133	716,805		
	\$168.88 - \$2852.25	133	729,274		
	TOTAL	5,975	44,920,484		
ERP97M	MPC RPTD AMT PD, PRIV INS(UN-IMPUTED)	7.2	NUM	141	147
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	78	655,447		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	1,484	9,817,293		
	\$2.20 - \$80.16	213	1,849,082		
	\$80.17 - \$170.35	213	1,988,591		
	\$170.36 - \$344.66	213	1,993,517		
	\$344.67 - \$4341.00	212	1,894,909		
	TOTAL	5,975	44,920,484		
ERVA97M	MPC RPTD AMT PD, VETERANS(UN-IMPUTED)	5.2	NUM	148	152
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	3	23,249		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	2,410	18,175,590		
	TOTAL	5,975	44,920,484		
ERCH97M	MPC RPTD AMT PD, CHMP/CHMPVA(UN-IMPUTED)	7.2	NUM	153	159
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	2	7,290		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	2,404	18,157,423		
	\$54.50 - \$127.24	2	6,995		
	\$127.25 - \$284.80	2	8,640		
	\$284.81 - \$781.06	2	8,061		
	\$781.07 - \$1994.45	1	10,431		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
EROF97M	MPC RPTD AMT PD, OTHER FED(UN-IMPUTED)	6.2	NUM	160	165
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	2,412	18,190,384		
	\$133.11	1	8,455		
	TOTAL	5,975	44,920,484		
ERSL97M	MPC RPTD AMT PD, STATE & LOC(UN-IMPUTED)	6.2	NUM	166	171
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	2,408	18,167,419		
	\$1.79 - \$50.00	2	18,170		
	\$50.01 - \$145.49	1	0		
	\$145.50 - \$349.72	1	5,620		
	\$349.73 - \$507.27	1	7,630		
	TOTAL	5,975	44,920,484		
ERWC97M	MPC RPTD AMT PD, WORK COMPU(UN-IMPUTED)	7.2	NUM	172	178
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	2,358	17,682,875		
	\$8.10 - \$114.00	14	140,793		
	\$114.01 - \$168.42	14	142,444		
	\$168.43 - \$284.45	14	109,006		
	\$284.46 - \$1875.09	13	123,721		
	TOTAL	5,975	44,920,484		
EROT97M	MPC RPTD AMT PD, OTH INSUR(UN-IMPUTED)	6.2	NUM	179	184
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	7	28,655		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	2,394	18,019,693		
	\$10.00 - \$99.50	3	33,174		
	\$99.51 - \$172.29	3	32,952		
	\$172.30 - \$342.64	3	39,146		
	\$342.65 - \$755.00	3	45,218		
	TOTAL	5,975	44,920,484		

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NAME	DESCRIPTION	FORMAT	TYPE	START	END
ERTC97M	MPC REPORTED TOTAL CHARGE(UN-IMPUTED)	8.2	NUM	185	192
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	-9 NOT ASCERTAINED	43	190,413		
	-1 INAPPLICABLE	3,562	26,721,645		
	0	154	1,159,639		
	\$7.34 - \$143.24	554	4,016,557		
	\$143.25 - \$264.54	554	4,216,640		
	\$264.55 - \$525.38	554	4,472,990		
	\$525.39 - \$13918.15	554	4,142,601		
	TOTAL	5,975	44,920,484		
WTDPER97	POVERTY/MORTALITY ADJ PERSON LEVL WGT-97	12.6	NUM	193	204
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	0	272	0		
	506.648339-64324.460189	5,703	44,920,484		
	TOTAL	5,975	44,920,484		
VARPSU97	VARIANCE ESTIMATION PSU,1997	2.0	NUM	205	206
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	1-34	5,975	44,920,484		
	TOTAL	5,975	44,920,484		
VARSTR97	VARIANCE ESTIMATION STRATUM,1997	3.0	NUM	207	209
	VALUE	UNWEIGHTED	WEIGHTED BY WTDPER97		
	1-254	5,975	44,920,484		
	TOTAL	5,975	44,920,484		

## **E. Variable-Source Crosswalk**

**E. VARIABLE-SOURCE CROSSWALK  
FOR MEPS HC-010E: 1997 EMERGENCY ROOM VISITS**

**File 1:**

**Survey Administration and ID Variables**

<b>Variable</b>	<b>Description</b>	<b>Source</b>
DUID	Dwelling unit ID	Assigned in sampling
PID	Person number	Assigned in sampling
DUPERSID	Sample person ID	Assigned in sampling
EVNTIDX	Event ID	Assigned in Sampling
EVENTRN	Event round number	CAPI derived
ERHEVIDX	Flag indicate hospital stay associated with the ER visit	Constructed
FFEEIDX	Flat fee ID	CAPI derived
MPCDATA	MPC data flag	CAPI derived

**Characteristics of Emergency Room Visits Variables**

<b>Variable</b>	<b>Description</b>	<b>Source</b>
ERDATEYR	Event date – year	CAPI derived
ERDATEMM	Event date – month	CAPI derived
ERDATEDD	Event date – day	CAPI derived
SEEDOC	Did P see medical doctor during this visit	ER01
VSTCTGRY	Best category for EROM care on visit	ER02
VSTRELCN	Was this visit related to special health condition	ER03
LABTEST	During the visit did the P have lab tests	ER05
SONOGRAM	During this visit did P have sonog/ultras	ER05

<b>Variable</b>	<b>Description</b>	<b>Source</b>
XRAY5	During this visit did P have x-rays	ER05
MAMMOG	During this visit did P have mammogram	ER05
MRI	During this visit did P have MRI/CATSCAN	ER05
EKG	During this visit did P have EKG or ECG	ER05
EEG	During this visit did P have EEG	ER05
RCVVAC	During this visit did P receive vaccination	ER05
ANESTH	During this visit did P receive anesthesia	ER05
OTHSVCE	During this visit did P have OTH TSTS/EXM	ER05
SURGPROC	Surgical procedure performed on P during visit	ER06
SURGNAME	Surgical procedure name in categories	ER07
MEDPRESC	This visit were any medicines prescribed for P	ER08
DOCOUTF	Did person see any ER docs outside of ER	ER10
VAPLACE	Emergency room is a VA facility	Constructed
ERICD1X	3-digit ICD-9 condition code	Edited
ERICD2X	3-digit ICD-9 condition code	Edited
ERICD3X	3-digit ICD-9 condition code	Edited
ERPRO1X	2-digit ICD-9 procedure code	Edited
ERCCC1X	Modified Clinical Classification Code	Constructed/Edited
ERCCC2X	Modified Clinical Classification Code	Constructed/Edited
ERCCC3X	Modified Clinical Classification Code	Constructed/Edited
NUMCOND	Total number of COND records linked to this event	Constructed

### Flat Fee Variables

<b>Variable</b>	<b>Description</b>	<b>Source</b>
FFERTYPE	Flat fee bundle	FF01, FF02

### Imputed Total Expenditure Variables

<b>Variable</b>	<b>Description</b>	<b>Source</b>
EREXP97X	Total expenditure for emergency room visit	Constructed
ERTC97X	Total charge for emergency room visit	Constructed

### Imputed Facility Expenditure Variables

<b>Variable</b>	<b>Description</b>	<b>Source</b>
ERFSF97X	Facility amount paid, family (imputed)	CP11 (Edited/Imputed)
ERFMR97X	Facility amount paid, Medicare (imputed)	CP09 (Edited/Imputed)
ERFMD97X	Facility amount paid, Medicaid (imputed)	CP07 (Edited/Imputed)
ERFPV97X	Facility amount paid, private insurance (imputed)	CP07 (Edited/Imputed)
ERFVA97X	Facility amount paid, Veterans (imputed)	CP07 (Edited/Imputed)
ERFCH97X	Facility amount paid, CHAMP/CHAMPVA (imputed)	CP07 (Edited/Imputed)
ERFOF97X	Facility amount paid, other federal (imputed)	CP07 (Edited/Imputed)
ERFSL97X	Facility amount paid, state/local govt. (imputed)	CP07 (Edited/Imputed)

<b>Variable</b>	<b>Description</b>	<b>Source</b>
ERFWC97X	Facility amount paid, Worker's Comp (imputed)	CP07 (Edited/Imputed)
ERFOR97X	Facility amount paid, other private (imputed)	Constructed
ERFOU97X	Facility amount paid, other public (imputed)	Constructed
ERFOT97X	Facility amount paid, other insurance (imputed)	CP07 (Edited/Imputed)
ERFXP97X	Facility sum of payments ERFSF97X – ERFOT97X	Constructed
ERFTC97X	Facility total charge (imputed)	CP09 (Edited/Imputed)

### Imputation Flag Variables

<b>Variable</b>	<b>Description</b>	<b>Source</b>
IMPERFSF	Imputation flag for ERFSF97X	Constructed
IMPERFMR	Imputation flag for ERFMR97X	Constructed
IMPERFMD	Imputation flag for ERFMD97X	Constructed
IMPERFPV	Imputation flag for ERFPV97X	Constructed
IMPERFVA	Imputation flag for ERFVA97X	Constructed
IMPERFCH	Imputation flag for ERFCH97X	Constructed
IMPERFOF	Imputation flag for ERFOF97X	Constructed
IMPERFSL	Imputation flag for ERFSL97X	Constructed
IMPERFWC	Imputation flag for ERFWC97X	Constructed
IMPERFOR	Imputation flag for ERFOR97X	Constructed
IMPERFOU	Imputation flag for ERFOU97X	Constructed
IMPERFOT	Imputation flag for ERFOT97X	Constructed

<b>Variable</b>	<b>Description</b>	<b>Source</b>
IMPERFXP	Imputation flag for ERFXP97X	Constructed
IMPERCHG	Imputation flag for ERFTC97X	Constructed
IMPERNUM	Number of Dr. records imputed per provider	Constructed

### **Imputed Physician Expenditure Variables**

<b>Variable</b>	<b>Description</b>	<b>Source</b>
ERDSF97X	Doctor amount paid, family (imputed)	CP11 (Edited/Imputed)
ERDMR97X	Doctor amount paid, Medicare (imputed)	CP09 (Edited/Imputed)
ERDMD97X	Doctor amount paid, Medicaid (imputed)	CP07 (Edited/Imputed)
ERDPV97X	Doctor amount paid, private insurance (imputed)	CP07 (Edited/Imputed)
ERDVA97X	Doctor amount paid, Veterans (imputed)	CP07 (Edited/Imputed)
ERDCH97X	Doctor amount paid, CHAMP/CHAMPVA (imputed)	CP07 (Edited/Imputed)
ERDOF97X	Doctor amount paid, other federal (imputed)	CP07 (Edited/Imputed)
ERDSL97X	Doctor amount paid, state/local govt. (imputed)	CP07 (Edited/Imputed)
ERDWC97X	Doctor amount paid, Worker's Comp (imputed)	CP07 (Edited/Imputed)
ERDOR97X	Doctor amount paid, other private (imputed)	Constructed
ERDOU97X	Doctor amount paid, other public (imputed)	Constructed
ERDOT97X	Doctor amount paid, other insurance (imputed)	CP07 (Edited/Imputed)
ERDXP97X	Doctor sum of payments ERDSF97X – ERDOT97X	Constructed
ERDTC97X	Doctor total charge (imputed)	CP09 (Edited/Imputed)

## Weights

<b>Variable</b>	<b>Description</b>	<b>Source</b>
WTDPER97	Person weight full-year 1997 (poverty adjusted)	Constructed
VARPSU97	Variance estimation PSU 1997	Constructed
VARSTR97	Variance estimation stratum	Constructed

**File 2:**

**Survey Administration and ID Variables**

<b>Variable</b>	<b>Description</b>	<b>Source</b>
DUID	Dwelling unit ID	Assigned in sampling
PID	Person number	Assigned in sampling
DUPERSID	Sample person ID	Assigned in sampling
EVNTIDX	Event ID	Assigned in Sampling
HHSFFIDX	Household reported flat fee ID	CAPI derived

**Pre-imputed Expenditure Variables**

<b>Variable</b>	<b>Description</b>	<b>Source</b>
ERSF97H	Household reported amount paid, family (pre-imputed)	CP11 (Edited)
ERMR97H	Household reported amount paid, Medicare (pre-imputed)	CP09 (Edited)
ERMD97H	Household reported amount paid, Medicaid (pre-imputed)	CP07 (Edited)
ERPV97H	Household reported amount paid, private insurance (pre-imputed)	CP07 (Edited)
ERVA97H	Household reported amount paid, Veterans (pre-imputed)	CP07 (Edited)
ERCH97H	Household reported amount paid, CHAMP/CHAMPVA (pre-imputed)	CP07 (Edited)
EROF97H	Household reported amount paid, other federal (pre-imputed)	CP07 (Edited)
ERSL97H	Household reported amount paid, state/local govt. (pre-imputed)	CP07 (Edited)
ERWC97H	Household reported amount paid, Worker's Comp (pre-imputed)	CP07 (Edited)
EROT97H	Household reported amount paid, other insurance. (pre-imputed)	CP07 (Edited)
ERUC97H	Household reported amount paid, uncollected liability (pre-imputed)	CP07 (Edited)
ERTC97H	Household reported total charge (pre-imputed)	CP09 (Edited)

### Unimputed Expenditure Variables

<b>Variable</b>	<b>Description</b>	<b>Source</b>
ERSF97M	MPC reported amount paid, family (unimputed)	HEF8a
ERMR97M	MPC reported amount paid, Medicare (unimputed)	HEF8b
ERMD97M	MPC reported amount paid, Medicaid (unimputed)	HEF8c
ERPV97M	MPC reported amount paid, private insurance (unimputed)	HEF8d
ERVA97M	MPC reported amount paid, Veterans (unimputed)	HEF8e
ERCH97M	MPC reported amount paid, CHAMP/CHAMPVA (unimputed)	HEF8f
EROF97M	MPC reported amount paid, other federal (unimputed)	HEF8g
ERSL97M	MPC reported amount paid, state/local govt. (unimputed)	HEF8g
ERWC97M	MPC reported amount paid, Worker's Comp (unimputed)	HEF8g
EROT97M	MPC reported amount paid, other insurance (unimputed)	HEF8g
ERTC97M	MPC reported total charge (unimputed)	HEF9

### Weights

<b>Variable</b>	<b>Description</b>	<b>Source</b>
WTDPER97	Person weight full-year 1997 (poverty adjusted)	Constructed
VARPSU97	Variance estimation PSU 1997	Constructed
VARSTR97	Variance estimation stratum	Constructed