

**MEPS HC-032:
1999 Jobs File**

April 2002

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

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

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

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

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

B. BACKGROUND

The Medical Expenditure Panel Survey (MEPS) provides nationally representative estimates of health care use, expenditures, sources of payment, and insurance coverage for the U.S. civilian non-institutionalized population. MEPS is cosponsored by the Agency for Healthcare Research and Quality (AHRQ) and the National Center for Health Statistics (NCHS).

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

MEPS is the third in a series of national probability surveys conducted by AHRQ on the financing and use of medical care in the United States. The National Medical Care Expenditure Survey (NMCES, also known as NMES-1) was conducted in 1977 and the National Medical Expenditure Survey (NMES-2) in 1987. Since 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 advance these goals, MEPS includes linkage with the National Health Interview Survey (NHIS) - a survey conducted by NCHS from which the sample for the MEPS HC is drawn - and enhanced longitudinal data collection for core survey components. The MEPS HC augments NHIS by selecting a sample of NHIS respondents, collecting additional data on their health care expenditures, and linking these data with additional information collected from the respondents' medical providers, employers, and insurance providers.

1.0 Household Component

The MEPS HC, a nationally representative survey of the U.S. civilian non-institutionalized 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 2 ½-year period. Using computer-assisted personal interviewing (CAPI) technology, data on medical expenditures and use for 2 calendar years are collected from each household. This series of data collection rounds is launched each subsequent year on a new sample of households to provide overlapping panels of survey data and, when combined with other ongoing panels, will provide continuous and current estimates of health care expenditures.

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

2.0 Medical Provider Component

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

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

3.0 Insurance Component

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

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

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

- The Census of Governments from Bureau of the Census.

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

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

4.0 Survey Management

MEPS data are collected under the authority of the Public Health Service Act. They are edited and published in accordance with the confidentiality provisions of this act and the Privacy Act. NCHS provides consultation and technical assistance.

As soon as data collection and editing are completed, the MEPS survey data are released to the public in staged releases of summary reports, microdata files and compendiums of tables. Data are released through MEPSnet, an online interactive tool developed to give users the ability to statistically analyze MEPS data in real time. Summary reports and compendiums of tables are released as printed documents and electronic files. Microdata files are released on CD-ROM and/or electronic files.

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

AHRQ Publications Clearinghouse
Attn: (publication number)
P.O. Box 8547
Silver Spring, MD 20907
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 through the Internet on the MEPS Web site:
<http://www.meps.ahrq.gov>.

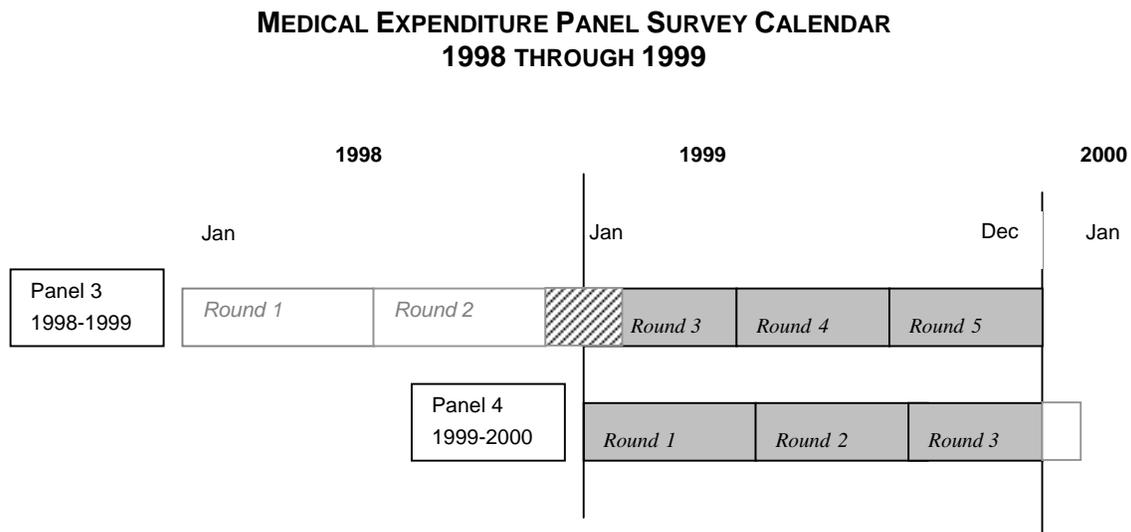
Additional information on MEPS is available from the MEPS project manager or the MEPS public use data manager at the Center for Cost and Financing Studies, Agency for Healthcare Research and Quality.

C. TECHNICAL AND PROGRAMMING INFORMATION

Section C of this document offers a brief overview of the data provided in MEPS public use release HC-032, as well as the content and structure of the codebook, reserved code values and variable naming conventions. It is followed by Section D containing the Variable-Source Crosswalk, and Appendix 1 containing sample SAS program code. A copy of the survey instrument used to collect the information on this file is available on the MEPS web site: <http://www.meps.ahrq.gov>.

1.0 General Information

The Jobs file provided in this release, MEPS-HC-032, contains job-level information collected in Rounds 2-5 for the third Panel and Rounds 1-3 for the fourth Panel of the 1999 Medical Expenditure Panel Survey (i.e., the rounds for the MEPS panels covering calendar year 1999), as illustrated below.



 **NOTE:** Typically for MEPS panels, MEPS Round 2 data collection ends in the first year of a panel and Round 3 data collection begins in the first year of the panel and crosses the year boundary into the second year of the panel. The crosshatched area in the above figure signifies that Round 2 data collection for approximately one quarter of the Panel 3 households began in 1998, the first year of the panel, but ended in 1999. For those households, all of the Round 3 data collection occurred in 1999. For the other three quarters of Panel 3 households, Round 2 data collection followed the typical pattern and began and ended in 1998. For those households, Panel 3 Round 3 data collection took place during both the first and second years of the panel, as is typically done for Round 3.

A Full Year Jobs file contains jobs records from two panels. In order to obtain complete job information for a job, users must note the round in which the job is first reported. This is because MEPS collects complete Jobs information for a job in the round in which it is first reported. So, for the first year panel, in

this case Panel 4, because data from Rounds 1, 2, and 3 are included in the Jobs File, complete job information for any Panel 4 Round 1, 2, or 3 job is available in the Full Year 1999 Jobs file, whether that job was first reported in Round 1, 2 or 3. This is the case for any first year panel in a Full Year Jobs file. Typically, for the second year panel, data from Rounds 3, 4, and 5 are included in a Full Year Jobs file. For these Jobs records, users must look back to the Jobs file from the previous year to obtain complete information for jobs that continued from Round 1 and/or Round 2. However, for Full Year 1999 only, the Round 2 records from the second year panel, Panel 3, are included along with Rounds 3, 4, and 5 records. This is because, for approximately one-quarter of the responding households in Panel 3, the Round 2 reference period crossed the year boundary from 1998 into 1999. Therefore, users of the Full Year 1999 Jobs file need to look back to the Full Year 1998 Jobs file only when a Panel 3 continuation job was reported originally in Round 1. Appendix 1 includes sample SAS code to assist users in obtaining this information.

This file is being released as a research file and has not undergone the standard quality control procedures usually performed on MEPS data files. The file includes a total of 50,743 records, with each record representing a unique job for a person by round. For this file, only information for jobs starting on or before 12/31/1999 is presented. Information on jobs starting in 2000 will be contained in the 2000 MEPS Jobs file release.

2.0 Data File Information

The Jobs file provided in this Web release, MEPS HC-032, contains job-level information collected in Rounds 2-5 for the third Panel and Rounds 1-3 for the fourth Panel of the 1999 Medical Expenditure Panel Survey (MEPS). It is being released as a research file and has not undergone the standard quality control procedures usually performed on MEPS public use data files. The file includes a total of 50,743 records, with each record representing a unique job for a person by round. This file includes information for jobs starting on or before 12/31/1999 only. Information on jobs starting in 2000 will be contained in the 2000 MEPS Jobs file release.

The unique record identifier is the variable JOBSIDX which is comprised of a person identifier (DUID + PID), a round identifier (RN), and a job number (JOBSN). A panel indicator (PANEL) is included on the file to distinguish Round 2 and 3 jobs held by Panel 3 persons from Round 2 and 3 jobs held by those in Panel 4. Collection for Panel 3, Round 2 began during 1998 and continued into 1999 before Round 2 was completed. All Panel 3, Round 2 jobs have been included in the file. Since Round 3 collection for the panel also bridged 1998 and 1999, this means that there are some jobs that ended in 1998 with records on the file. Data users interested only in 1999 jobs should check the JSTOPY variable to determine the year a job ended.

Each job record contains original variables related to the employment section of the 1999 MEPS household survey. All persons aged 16 and older in the MEPS can report any number of jobs held within a round. Persons who held more than one job at the round's interview date (a current job) were asked to identify the main job. This job was classified as the "current main job" and all other simultaneously held jobs were classified as "miscellaneous." The MEPS also obtained some information on prior jobs held in the reference period and, for those persons not currently working and having no job in the reference period, some information on the last job the person held. Additionally, for those persons age 55 or older who indicated that they retired from a job, the MEPS obtained some job-level data on the retirement job. It is important to note that the retirement job classification in the variable SUBTYPE is independent of the

retirement response in the variable relating to the question why a person left a previous job (YLEFT). The variable SUBTYPE indicates the type of job record – current main, current miscellaneous, former main, former miscellaneous, last job outside reference period, or retirement job. The MEPS asked for detailed information about “current main” and “current miscellaneous” job types and basic information about other job types. Refer to the questionnaire to see which information was asked for each job type.

The MEPS used dependent interviewing in Rounds 2, 3, 4, and 5 for Panel 3 and in Rounds 2 and 3 for Panel 4. In these rounds, the MEPS asked persons who held current main and current miscellaneous jobs at the previous round interview date whether they were still working at these jobs (see section RJ in the employment section). If a person still held a current main job from the previous round, the MEPS asked whether the job was still the main job. Most persons reported that they still worked at the same job and it was still their main job. If job status remained the same, the MEPS asked only a subset of the employment questions. Because the MEPS asked only this subset of questions if job status for a person did not change in later rounds, many job-level variables on the subsequent round job records are coded as inapplicable (-1); the complete information is on the jobs record for the job in a previous round. Thus, it is important to determine whether a job in a subsequent round continues from the previous round when working with the job records. In rounds where this applies, the variables STILLAT (for jobs that were current main in the previous round) and STILLWRK (for jobs that were current miscellaneous in the previous round) indicate whether a person still holds the job at the subsequent round interview date. The variable SUBTYPE on the subsequent round job record indicates whether the job is main or miscellaneous in that subsequent round. Note that if a Panel 3 job included in this 1999 file is continued from a Round 1 job, much of the information will be contained in the 1998 MEPS Jobs file (HC-025). Use that file to obtain the desired job characteristics. Appendix 1 provides a sample SAS program showing how to do this. Variables that relate only to the review of a job reported in a previous round (Y_CHANGE, MAIN_JOB, OFFTAKEI, NOWTAKEI, WHY_LEFT, STILLAT, STILLWRK, DIFFWAGE, WHY_DIFF, WORKSTAT, and SHFTCHNG) were not asked in Round 1 and these variables are coded as inapplicable (-1).

There are five variables on the file which, while skipped over as inapplicable (-1) during the actual interview process in rounds subsequent to the one in which the job was initially reported, have their original value carried forward on the database from round to round. The variables are EMPLINS, HRSPRWK, MORELOC, NUMEMPS, and TYPEEMPL. This treatment is due to special internal processing needs. Unlike the situation for many other variables, as explained above, values other than inapplicable (-1) for these variables do not necessarily mean that a job is newly reported, as they may be carried forward from an earlier round.

In the review section (RJ), the MEPS attempted to obtain information regarding changes in wages for the same job from round to round; however, in many cases but not all, wage changes of less than \$.50 per hour on the same job were not recorded. This caution applies only to individual jobs that did not change. For every new job reported for a person, the MEPS attempted to obtain up-to-date wage information.

For reasons of confidentiality, earnings variables on the file were topcoded. The earnings variables include HRLYWAGE, BONSAMT, COMMAMT, TIPSAMT, DAYWAGE, WKLYAMT, GROSSPAY, MAKEAMT, and OTHRWAGE. A value of ‘-10’ for one of these variables on a record indicates that the variable had a positive value and that the sum of the hourly rates for the earnings variables for the record was greater than or equal to \$96.15. To calculate the hourly rate for earnings types not reported on an hourly basis, the number of hours per week worked and in some cases the number of weeks worked were used in conjunction with the various amounts. (These calculated hourly rates do not appear on the file.) Earnings variables were not reconciled with income data collected elsewhere in the MEPS. Additionally,

for confidentiality, the establishment size variables NUMEMPS (establishment size for jobs held by wage earners) and TOTLEMP (establishment size for self-employed jobs) were topcoded as '-10' for sizes greater than or equal to 12,000.

Due to many skip patterns in the instrument, it is recommended that users of these data become familiar with the employment section in the MEPS questionnaire. To aid users, a crosswalk between variables and MEPS questionnaire numbers is provided in this release. The following examples of variables involved in skip patterns are presented to be illustrative; these examples do not represent the full range of variables affected by questionnaire skip patterns. In one example of a skip pattern, the MEPS did not obtain job-related benefits such as vacation, sick leave and pension information for self-employed jobs, so those variables are coded as inapplicable (-1) for those types of jobs. Nor did the MEPS attempt to obtain wage, salary, and information regarding whether the job was in the private sector, federal or local government (TYPEEMPL) for the self-employed. So again, due to the skip pattern, TYPEEMPL is coded as inapplicable (-1) for self-employed jobs. Conversely, the questions relating to business organization type (BUSINC, PROPRIET) were asked only of the self-employed, so the skip pattern results in those variables being coded inapplicable (-1) for jobs performed by wage earners.

It is important to note that the establishment size variable for the self-employed is TOTLEMP, while the establishment size for wage earners can be found in NUMEMPS and ESTMATE1. The variable ESTMATE1 is derived from a question that allowed wage earners who did not know the actual establishment size (NUMEMPS) to choose from a number of size ranges.

Industry (INDTCODX) and occupation (OCCPCODX) codes were assigned by professional coders based on verbatim responses. Coding is done based on the classification systems used in the 1990 Census. The codes are determined at a detailed 3-digit level and then collapsed into broader groups on the file to assure the confidentiality of the records.

This file does not include any weights necessary to extrapolate this data to the U.S. population. To make person-level estimates, link to any of the 1999 files and use the person-level weight for the appropriate panel. The link should be made through the variable DUPERSID. Note that not all persons in the MEPS have positive weights and only jobs records where the person has either a positive person-level or family-level weight are included in this file.

2.1 Codebook Structure

For each variable on the file, an unweighted frequency is provided in both a PDF and HTML codebook file (HC32CB.PDF or HC32CB.HTM) on the MEPS web site: <http://www.meps.ahrq.gov>.

2.2 Reserved Codes

The following reserved code values are used:

VALUE	DEFINITION
-1 INAPPLICABLE	Question was not asked due to skip pattern
-7 REFUSED	Question was asked and respondent refused to answer question
-8 DK	Question was asked and respondent did not know answer
-9 NOT ASCERTAINED	Interviewer did not record the data
-10 TOP-CODED VALUE	Variable was top-coded for confidentiality, as described above.

2.3 Codebook Format

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

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

2.4 Variable Source and Naming Conventions

In general, variable names reflect the content of the variable, with an 8-character limitation. Variables contained on this file were derived from the questionnaire itself or from the CAPI. The source of each variable is identified in [Section D. Variable-Source Crosswalk](#). Sources for each variable are indicated in one of two ways:

- (1) variables derived from CAPI or assigned in sampling are so 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 listed in the “Source” column.

D. Variable-Source Crosswalk

FOR MEPS PUBLIC USE RELEASE HC-032

SURVEY ADMINISTRATION VARIABLES _ PUBLIC USE

VARIABLE	DESCRIPTION	SOURCE
JOBSIDX	JOBS ID Number	CAPI Derived
DUPERSID	Sample Person ID (DUID + PID)	Assigned in Sampling
PANEL	Panel	Assigned in Sampling
DUID	Dwelling Unit ID	Assigned in Sampling
PID	Person Number	Assigned in Sampling
RN	Round	CAPI Derived
JOBSN	JOB Number	CAPI Derived

EMPLOYMENT VARIABLES _ PUBLIC USE

VARIABLE	DESCRIPTION	SOURCE
JOBTTYPE	Self-Employed or Work for Someone Else	EM05, EM11, EM18, EM27, EM40, EM53, EM70, EM82
JSTRTM	Job Start Date – Month	EM10OV1-2, EM16OV1-2, EM25OV1-2, EM34OV1-2, EM47OV1, EM60OV1-2
JSTRTD	Job Start Date – Day	EM10OV1, EM16OV1, EM25OV1, EM34OV1, EM47OV1, EM60OV1
JSTRTY	Job Start Date – Year	EM10, EM16, EM25, EM34, EM47, EM60
JSTOPM	Job Stop Date – Month	EM35OV1-2, EM48OV1-2, EM61OV1-2, EM66OV1-2, EM89OV1-2, RJ09
JSTOPD	Job Stop Date – Day	EMJ35OV1, EM48OV1, EM61OV1, EM89OV1, EM66OV1, RJ09
JSTOPY	Job Stop Date – Year	EM35, EM48, EM61, EM66, EM89, RJ09
RETIRJOB	Person Retired from This Job	EM80
SUBTYPE	Job Sub-Type	RJ01
MAIN_JOB	Still Main Job or Business	RJ01A
DIFFWAGE	Any Change in Wage Amount	RJ02
WHY_DIFF	Why Wages Changed	RJ03
WORKSTAT	Full or Part Time	RJ04

VARIABLE	DESCRIPTION	SOURCE
Y_CHANGE	Why Change in Full/Part Time Status	RJ05
STILLWRK	Still Work at Establishment/Miscellaneous Job	RJ06
OFFTAKEI	Offered Insurance and Now Take	RJ07
NOWTAKEI	Now Offered and Take Insurance	RJ08, RJ08A
WHY_LEFT	Reason Why Not at Job Now	RJ10
NUMEMPS	Establishment Size-Non-self-employed Job	EM91
ESTMATE1	Categorical Approximate Establishment Size	EM92
MORELOC	More Than One Location	EM93
BUSINC	Business Incorporated	EM94
PROPRIET	Proprietorship or Partnership	EM95
TYPEEMPL	Employee Type	EM96
YLEFT	No Job Reason	EM101
YNOBUSN	Why No Business	EM102
RECALL	Recall Within 30 Days	EM103
HRSRWK	Number of Hours Worked Per Week	EM104, EM111
HRS35WK	Work at least 35 Hours Per Week	EM105
APXHRDAY	Approximate # of Hours Worked Per Day	EM106
SICKPAY	Does Person Have Paid Sick Leave	EM107
PAYDRVST	Is There Paid Sick Leave for Dr's Visits	EM108
PAYVACTN	Does Person Get Paid Vacation	EM109
RETIRPLN	Does Person Have Pension/Retirement Plan	EM110
WKLYAMT	Usual Weekly Gross Income	EM112
EMPLINS	Have Health Insurance Through This Job	EM113
OFFRDINS	Offered Insurance But Chose Not to Take	EM114
DIFFPLNS	Choice of Different Health Insurance Plans	EM115
INUNION	Belong to Labor Union	EM116
PROVDINS	Who Provides Health Insurance	EM117
HHMEMBER	Any Other HH Member Work at This Business	EM122
NUMFMEMB	How Many HH Members Work There	EM123
TOTLEMP	Establishment Size-Self-Employed Job	EM124, RJ08B

VARIABLE	DESCRIPTION	SOURCE
SALARIED	Is Person Salaried, Paid by the Hour, etc.	EW01
HOWPAID	How Is Person Paid	EW02
DAYWAGE	Person's Daily Wage Rate	EW03
HRSPRDY	Number of Hours Person Works in One Day	EW04
MAKEAMT	How Much Money Does Person Make	EW05
PERUNIT	Period for which Person Is Paid	EW05OV1
MORE10	Person Makes More or Less than \$10/Hour	EW08, EW14, EW20
MORE15	Person Makes More or Less than \$15/Hour	EW09, EW15, EW21
MOREMINM	Person Makes More or Less than Minimum Wage	EW10, EW16, EW22
OVRTIMHR	Overtime Pay Rate Per Hour	EW06
GROSSPAY	Person's Salary Before Taxes (Gross)	EW11
GROSSPER	Period in which Gross Salary Was Earned	EW11OV1
SALRYWKS	Number of Weeks Per Year on which Salary is Based	EW12
OTHRTYPE	Type of Overtime Pay	EW19
EARNTIPS	Does Person Earn Tips	EW23_01
EARNBONS	Does Person Earn Bonuses	EW23_02
EARNCOMM	Does Person Earn Commission	EW23_03
OTHRWAGE	Overtime Pay Rate Per Hour	EW19OV1
TIPSUNIT	Period on which Tip Earnings are Based	EW24AOV1
TIPSAMT	How Much Are Person's Tips	EW24A
BONSUNIT	Period on which Bonuses are Based	EW24BOV1
BONSAMT	How Much Are Person's Bonuses	EW24B
COMMUNIT	Period on which Commissions are Based	EW24COV1
COMMAMT	How Much Are Person's Commissions	EW24C
HRLYWAGE	How Much Person Makes Per Hour	EW07, EW13, EW18
JBEGHR	Job Begin Hour of Day	EM105A, EM111A
JENDHR	Job End Hour of Day	EM105AOV, EM111AOV
JBEGMIN	Job Begin Minutes	EM105A, EM111A
JENDMIN	Job End Minutes	EM105AOV, EM111AOV
JBEGAMPM	Job Begin AM/PM	EM105A, EM111A

VARIABLE	DESCRIPTION	SOURCE
JENDAMPM	Job End AM/PM	EM105OV, EM111AOV
SHIFTWK	Work Rotating Shifts	EM105B, EM111B
JOBHASHI	Does Person Have Health Insurance at This Job	EM17, EM26, EM39, EM52, EM69, EM81
STILLAT	Still Work at Establishment/Main job	RJ01
SHFTCHNG	Has a Change in Shift Occurred	RJ05A
HRSALBAS	Hours on which Salary Is Based	EW17
INDTCODX	Condensed Industry Code	EM98
OCCPCODX	Condensed Occupation Code	EM99, EM100

Appendix 1: Sample SAS Program

1

The SAS System

17:23 Wednesday, March 13, 2002

NOTE: Copyright (c) 1989-1996 by SAS Institute Inc., Cary, NC, USA.

NOTE: SAS (r) Proprietary Software Release 6.12 TS060

```
1 *-----
2 *
3 *   Program Name:   SAMPLE.SAS
4 *
5 *   Description:   This job provides an example of how to get job info
6 *                  from Round 1 in the FY 1998 JOBS file when a Round 2
7 *                  current main job in the FY 1999 JOBS file is a
8 *                  continuation job.
9 *
10 *                  This example creates a data set of Round 2 continuation
11 *                   JOB records with a SICKPAYX variable copied from the
12 *                   Round 1 newly reported job.
13 *
14 *-----;
15
16
17         libname  jobs99  'c:\mydata\jobs99';
NOTE: Libref JOBS99 was successfully assigned as follows:
      Engine:          V612
      Physical Name:  c:\mydata\jobs99
18         libname  jobs98  'c:\mydata\jobs98';
NOTE: Libref JOBS98 was successfully assigned as follows:
      Engine:          V612
      Physical Name:  c:\mydata\jobs98
19
20         /*Select continuing Panel 3 Round 2 current main jobs      */
21         /*from the FY 1999 JOBS file and print selected variables*/
22         /*from the first 20 observations.                          */
23
24         data j99r2;
25             set jobs99.h32;
26             if panel=3 and
27                 rn=2 and
28                 subtype=1 and
29                 stillat=1 and
30                 sickpay=-1;
31         run;
```

NOTE: The data set WORK.J99R2 has 3936 observations and 88 variables.

NOTE: The DATA statement used 0.98 seconds.

```
32
33     proc print data=j99r2(obs=20);
34     title 'Print Sample of Continuation Round 2 Records';
35     var dupersid rn jobsn subtype stillat sickpay;
36     run;
```

NOTE: The PROCEDURE PRINT printed page 1.

NOTE: The PROCEDURE PRINT used 0.22 seconds.

```
37
38     /*Select newly reported Panel 3 Round 1 current main jobs*/
39     /*from the FY 1998 JOBS file and print selected variables*/
40     /*from the first 20 observations.                */
41
42     data j98r1;
43         set jobs98.h25;
44         if panel=3 and
45             rn=1 and
46             subtype=1 and
47             stillat=-1;
48     run;
```

NOTE: The data set WORK.J98R1 has 5103 observations and 88 variables.

NOTE: The DATA statement used 1.48 seconds.

```
49
50     proc print data=j98r1(obs=20);
51     title 'Print Sample of Newly Reported Round 1 Records';
52     var dupersid rn jobsn subtype stillat sickpay;
53     run;
```

NOTE: The PROCEDURE PRINT printed page 2.

NOTE: The PROCEDURE PRINT used 0.0 seconds.

```
54
55     proc sort data=j99r2;
56         by dupersid jobsn;
57     run;
```

NOTE: The data set WORK.J99R2 has 3936 observations and 88 variables.

NOTE: The PROCEDURE SORT used 0.27 seconds.

3

The SAS System

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58

```
59      proc sort data=j98r1;
60          by dupersid jobsn;
61      run;
```

NOTE: The data set WORK.J98R1 has 5103 observations and 88 variables.

NOTE: The PROCEDURE SORT used 0.55 seconds.

62

```
63      /*Create a dataset (J99R2F) that includes all variables */
64      /*for the continuation Round 2 JOBS and create the new */
65      /*variable SICKPAYX by copying SICKPAY from the */
66      /*corresponding Round 1 newly reported record. */
67
68      data j99r2f;
69          merge j99r2(in=a) j98r1(in=b keep=dupersid jobsn sickpay
70                          rename=(sickpay=sickpayx));
71          by dupersid jobsn;
72          if a and b;
73      run;
```

NOTE: The data set WORK.J99R2F has 3936 observations and 89 variables.

NOTE: The DATA statement used 0.33 seconds.

74

```
75      proc freq data=j99r2f;
76          tables sickpay*sickpayx/list missing;
77          title1 'Diagnostic Post-Merge - SICKPAY*SICKPAYX';
78          title2 'Round 2 continuation current main jobs only';
79      run;
```

NOTE: The PROCEDURE FREQ printed page 3.

NOTE: The PROCEDURE FREQ used 0.16 seconds.

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

Print Sample of Continuation Round 2 Records
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1

OBS	DUPERSID	RN	JOBSN	SUBTYPE	STILLAT	SICKPAY
1	65158013	2	1	1	1	-1
2	61032010	2	1	1	1	-1
3	62169017	2	1	1	1	-1
4	62169031	2	1	1	1	-1
5	62169048	2	1	1	1	-1
6	62169052	2	1	1	1	-1
7	60042014	2	1	1	1	-1
8	63662010	2	1	1	1	-1
9	61864017	2	1	1	1	-1
10	61864024	2	1	1	1	-1
11	64166011	2	1	1	1	-1
12	60354013	2	1	1	1	-1
13	60398010	2	1	1	1	-1
14	60398027	2	1	1	1	-1
15	65113011	2	1	1	1	-1
16	65113028	2	1	1	1	-1
17	60944021	2	1	1	1	-1
18	62882011	2	1	1	1	-1
19	62882028	2	1	1	1	-1
20	63810017	2	1	1	1	-1

Print Sample of Newly Reported Round 1 Records
 17:23 Wednesday, March 13, 2002

2

OBS	DUPERSID	RN	JOBSN	SUBTYPE	STILLAT	SICKPAY
1	60001027	1	1	1	-1	-1
2	60001034	1	1	1	-1	2
3	60001041	1	1	1	-1	2
4	60002015	1	1	1	-1	-1
5	60003013	1	1	1	-1	2
6	60005017	1	1	1	-1	-1
7	60005024	1	1	1	-1	-1
8	60007013	1	1	1	-1	2
9	60007020	1	1	1	-1	2
10	60008024	1	1	1	-1	2
11	60010016	1	1	1	-1	1
12	60010023	1	1	1	-1	2
13	60014018	1	1	1	-1	2
14	60015015	1	1	1	-1	1
15	60018020	1	1	1	-1	1
16	60019010	1	1	1	-1	2
17	60019027	1	1	1	-1	-1
18	60020013	1	1	1	-1	2
19	60020020	1	1	1	-1	-1
20	60022014	1	1	1	-1	1

Diagnostic Post-Merge - SICKPAY*SICKPAYX
 Round 2 continuation current main jobs only
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3

SICKPAY	SICKPAYX	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	-9	2	0.1	2	0.1
-1	-8	94	2.4	96	2.4
-1	-7	2	0.1	98	2.5
-1	-1	488	12.4	586	14.9
-1	1	2172	55.2	2758	70.1
-1	2	1178	29.9	3936	100.0