# MEPS HC-056:
# 2001 Jobs File

# September 2003

**Agency for Healthcare Research and Quality**
**Center for Financing, Access and Cost Trends**

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# A. Data Use Agreement

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

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

1. No one is to use the data in this data set in any way except for statistical reporting and analysis; and

2. If the identity of any person or establishment should be discovered inadvertently, then (a) no use will be made of this knowledge, (b) the Director Office of Management AHRQ will be advised of this incident, (c) the information that would identify any individual or establishment will be safeguarded or destroyed, as requested by AHRQ, and (d) no one else will be informed of the discovered identity; and

3. No one will attempt to link this data set with individually identifiable records from any data sets other than the Medical Expenditure Panel Survey or the National Health Interview Survey.

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

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

## B. Background

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 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.  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 the 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 follow-up for nonrespondents.

## 4.0 Survey Management

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

As soon as data collection and editing are completed, the MEPS survey data are released to the public in staged releases of summary reports, microdata files and compendiums of tables. Data are 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 electronic files.

Selected printed documents 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)

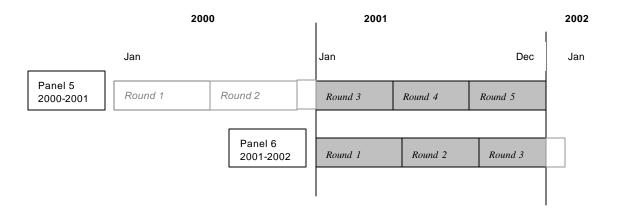Be sure to specify the AHRQ number of the document you are requesting.

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

# C. Technical And Programming Information

Section C of this document offers a brief overview of the data provided in MEPS public use release HC-056, 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-056, contains job-level information collected in Rounds 3 through 5 for the fifth panel and Rounds 1 through 3 for the sixth panel of the 2001 Medical Expenditure Panel Survey (i.e., the rounds for the MEPS panels covering calendar year 2001), as illustrated below.

### MEDICAL EXPENDITURE PANEL SURVEY CALENDAR
### 2000 THROUGH 2001



A Full Year Jobs file contains jobs records from two panels. In order to obtain complete information for a job, users must note the round in which the job is first reported. This is because MEPS collects complete Jobs information in the round in which a job is first reported. So, for the first year panel, in this case Panel 6, because data from Rounds 1, 2, and 3 are included in the Jobs File, complete job information for any Panel 6 Round 1, 2, or 3 job is available in the Full Year 2001 Jobs file, whether that job was first reported in Round 1, 2 or 3. This is the case for any first year panel (the panel that began its first year of interviewing in the given year) in a Full Year Jobs file. For the second year panel (the panel that contained its second year of interview in the given year), in this case Panel 5, data from Rounds 3, 4, and 5 are included in this Full Year 2001 Jobs file. For these Jobs, users must look back to the Jobs file from the previous year (2000) to obtain complete information for jobs that continued

from Round 1 and/or Round 2. 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 61,265 records, with each record representing a unique job for a person by round. This file presents information about jobs starting on or before 12/31/2001 only. The 2002 MEPS Jobs file release will present information on Panel 6 jobs starting in 2002.

## 2.0        Data File Information

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 3 jobs held by Panel 5 persons from Round 3 jobs held by those in Panel 6.

Each job record contains variables related to the employment section of the 2001 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 former 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 3, 4, and 5 for Panel 5 and in Rounds 2 and 3 for Panel 6. 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 of the questionnaire). 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 record for the job in the first round in which it was reported. 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 5 job included in this 2001 file is continued from a Round 1 or 2 job, much of the information will be contained in the 2000 MEPS Jobs file (HC-040). 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) on a Jobs record for the round in which the job is initially reported.

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.

Two new questions pertaining to the temporary and seasonal nature of a person's current main job were added to the MEPS questionnaire as of 2001. The resulting new file variable TEMPJOB indicates whether a current main job is temporary (e.g., is the current main job for a limited amount of time or until the completion of a project). The new variable SESNLJOB indicates either that a current main job is available only during certain times of the year or that the individual is working throughout the entire year at that job. Teachers and other school personnel who work only during the school year are considered to work year round. The related questions are asked both when a current main job is initially reported as well as during a review of that job. If a respondent reports during a review of a job that the job has ended, these new variables are still asked. These questions are not asked of newly reported miscellaneous jobs, last job outside of reference period, and retirement jobs.

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 Job status. 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 top-coded. 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 hourly rates of the earnings variable for the record was greater than or equal to $100.96. 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 top-coded as '-10' for establishments sizes greater than or equal to 12,000 employees.

Due to many skip patterns in the questionnaire, 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 2001 Jobs 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 2001 MEPS 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 job records; only those persons who have

either a positive person-level or family-level weight in the 2001 Full-Year Person-Level file are included in the 2001 Jobs file.

## 2.1    Codebook Structure

For each variable on the 2001 Jobs file, an unweighted frequency is provided in both a PDF (H56CB.PDF) and ASP (H56CB.ASP) codebook file.

## 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 that come from one or more specific questions have those questionnaire sections and/or question numbers listed in the "Source" column.

## D. Variable-Source Crosswalk

## FOR MEPS PUBLIC USE RELEASE HC-056

### SURVEY ADMINISTRATION VARIABLES _ PUBLIC USE

| VARIABLE | DESCRIPTION | SOURCE |
|---|---|---|
| JOBSIDX | JOBS ID Number | CAPI Derived |
| DUPERSID | Sample Person ID (DUID + PID) | Assigned in Sampling |
| DUID | Dwelling Unit ID | Assigned in Sampling |
| PID | Person Number | Assigned in Sampling |
| RN | Round | CAPI Derived |
| JOBSN | JOBS Number | CAPI Derived |
| PANEL | Panel to which Jobholder Belongs | Assigned in Sampling |

### EMPLOYMENT VARIABLES _ PUBLIC USE

| VARIABLE | DESCRIPTION | SOURCE |
|---|---|---|
| JOBTYPE | 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, EM66OV1, EM89OV1, RJ09 |
| JSTOPY | Job Stop Date – Year | EM35, EM48, EM61, EM66, |

| VARIABLE | DESCRIPTION | SOURCE |
|---|---|---|
| | | EM89, RJ09 |
| RETIRJOB | Person Retired from This Job | EM80 |
| SUBTYPE | Job Sub Type | EM and RJ Sections |
| 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 |
| 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 |
| HRSPRWK | 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 |

| VARIABLE | DESCRIPTION | SOURCE |
|---|---|---|
| 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 at Job | 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 |
| 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 Worked in One Day | EW04 |
| MAKEAMT | How Much Money Does Person Make | EW05 |
| PERUNIT | Period for which Person Is Paid | EW050V1 |
| 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 |

| VARIABLE | DESCRIPTION | SOURCE |
|---|---|---|
| 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 |
| 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 |
| SESNLJOB | Is Current Main Job a Seasonal Job | EM105D, 111D; RJ01AAA, 06AA |
| TEMPJOB | Is Current Main Job a Temporary Job | EM105C, 111C; RJ01AA, 06A |
| 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                       16:13 Friday, July
25, 2003

NOTE: Copyright (c) 1999-2001 by SAS Institute Inc., Cary, NC, USA.
NOTE: SAS (r) Proprietary Software Release 8.2 (TS2M0)
      Licensed to WESTAT, Site 0009005004.
NOTE: This session is executing on the WIN_98  platform.




NOTE: SAS initialization used:
      real time            1.21 seconds



NOTE: AUTOEXEC processing beginning; file is C:\progra~1\sasins~1\sas\v8\autoexec.sas.



NOTE: AUTOEXEC processing completed.

1                      OPTIONS LS=132 PS=79;
2
3     /**********************************************************************/
4     /*   Program Name:  SAMPLE.SAS                                       */
5     /*                                                                    */
6     /*   Description:   This job provides an example of how to get job info */
7     /*                  from Round 1 or Round 2 in the FY2000 JOBS file when*/
8     /*                  a Round 3 current main job in the FY2001 JOBS file  */
9     /*                  is a continuation job.                             */
10    /*                                                                    */
11    /*              This example creates a dataset of Round 3 continuation*/
12    /*              JOBS records with a SICKPAYX variable copied from the */
13    /*               Round 1 or Round 2 newly reported job.               */
14    /**********************************************************************/
15
16                  libname  jobs01   "c:\mydata\jobs01";
NOTE: Libref JOBS01 was successfully assigned as follows:
      Engine:        V8
      Physical Name: c:\mydata\jobs01
17                  libname  jobs00   "c:\mydata\jobs00";
NOTE: Libref JOBS00 was successfully assigned as follows:
      Engine:        V8
      Physical Name: c:\mydata\jobs00
18
19            /*  Select continuing Panel 5, Round 3 Current Main JOBS    */
20            /*  (SUBTYPE=1, STILLAT=1) from the FY 2001 JOBS file and  */
21            /*  print selected variables from the first 20 observations*/
22
23                  data j01r3;
24                      set jobs01.h56;
25                            if     panel=5
26                            and    rn=3
27                            and    subtype=1
28                            and    stillat=1
29                            and    sickpay=-1;
30                  run;

NOTE: There were 61265 observations read from the data set JOBS01.H56.
NOTE: The data set WORK.J01R3 has 4162 observations and 83 variables.
NOTE: DATA statement used:
      real time            3.79 seconds



31
32                  proc print data=j01r3 (obs=20);
33                      title 'Print Sample of Continuation Round 3 Records';
34                        var dupersid panel rn jobsn subtype stillat sickpay;
35                  run;
```

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```
NOTE: There were 20 observations read from the data set WORK.J01R3.
NOTE: The PROCEDURE PRINT printed page 1.
NOTE: PROCEDURE PRINT used:
     real time           0.32 seconds


36
37
38      /*  Select newly reported Panel 5 Current Main JOBS records from        */
39      /*  the FY 2000 JOBS file and print selected variables from the         */
40      /*  first 20 observations.                                         */
41
42              data j0012;
43                  set jobs00.h40;
44                  if      subtype=1
45                  and     stillat=-1
46                  and     panel=5
47                  and     rn in (1,2);
48              run;

NOTE: There were 44935 observations read from the data set JOBS00.H40.
NOTE: The data set WORK.J0012 has 5962 observations and 88 variables.
NOTE: DATA statement used:
     real time           2.69 seconds


49
50              proc print data=j0012 (obs=20);
51                  title 'Print Sample of Newly Reported Round 1 and Round 2 Records';
52                  var dupersid panel rn jobsn subtype stillat sickpay;
53              run;

NOTE: There were 20 observations read from the data set WORK.J0012.
NOTE: The PROCEDURE PRINT printed page 2.
NOTE: PROCEDURE PRINT used:
     real time           0.00 seconds


54
55              proc freq data=j0012;
56                  tables sickpay/list missing;
57                  title 'Sickpay Value of FY2000 Round 1 and Round 2 Newly Reported CMJs';
58              run;

NOTE: There were 5962 observations read from the data set WORK.J0012.
NOTE: The PROCEDURE FREQ printed page 3.
NOTE: PROCEDURE FREQ used:
     real time           0.16 seconds


59
60
61                  /*  Prepare FY00 and FY01 data for merge        */
62
63              proc sort data=j01r3;
64                  by dupersid jobsn;
65              run;

NOTE: There were 4162 observations read from the data set WORK.J01R3.
NOTE: The data set WORK.J01R3 has 4162 observations and 83 variables.
NOTE: PROCEDURE SORT used:
     real time           0.10 seconds


66
67              proc sort data=j0012;
68                  by dupersid jobsn;
69              run;
```

```
NOTE: There were 5962 observations read from the data set WORK.J0012.
NOTE: The data set WORK.J0012 has 5962 observations and 88 variables.
NOTE: PROCEDURE SORT used:
     real time           0.11 seconds


70
71
72
73        /*  Create a dataset (J01R3F) that includes all variables        */
74        /*  for the continuation Round 3 Current Main JOBS and create          */
75        /*  the new variable SICKPAYX by copying SICKPAY from the       */
76        /*  corresponding Round 1 or Round 2 newly reported job record.    */
77
78                  data j01r3f;
79                  merge j01r3 (in=a) j0012 (in=b  keep = dupersid jobsn sickpay
80
       rename=(sickpay=SICKPAYX));
81                  by dupersid jobsn;
82                  if a and b;
83             run;

NOTE: There were 4162 observations read from the data set WORK.J01R3.
NOTE: There were 5962 observations read from the data set WORK.J0012.
NOTE: The data set WORK.J01R3F has 4161 observations and 84 variables.
NOTE: DATA statement used:
     real time           0.22 seconds


84
85                  proc freq data=j01r3f;
86                  tables sickpay*sickpayx/list missing;
87                  title1  'Diagnostic Post-Merge - Sickpay * Sickpayx';
88                  title2  'Round 3 Continuation Current Main Jobs Only';
89             run;

NOTE: There were 4161 observations read from the data set WORK.J01R3F.
NOTE: The PROCEDURE FREQ printed page 4.
NOTE: PROCEDURE FREQ used:
     real time           0.04 seconds


90
91                  OPTIONS LS=132 PS=79;
92
93  /****************************************************************/

NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414
NOTE: The SAS System used:
     real time           9.06 seconds
```

| Obs | DUPERSID | PANEL | RN | JOBSN | SUBTYPE | STILLAT | SICKPAY |
|-----|----------|-------|-----|-------|---------|---------|---------|
| 1   | 80001021 | 5 | 3 | 1 | 1 | 1 | -1 |
| 2   | 80005018 | 5 | 3 | 1 | 1 | 1 | -1 |
| 3   | 80005025 | 5 | 3 | 1 | 1 | 1 | -1 |
| 4   | 80006012 | 5 | 3 | 1 | 1 | 1 | -1 |
| 5   | 80006029 | 5 | 3 | 1 | 1 | 1 | -1 |
| 6   | 80007015 | 5 | 3 | 1 | 1 | 1 | -1 |
| 7   | 80009012 | 5 | 3 | 1 | 1 | 1 | -1 |
| 8   | 80009029 | 5 | 3 | 1 | 1 | 1 | -1 |
| 9   | 80010013 | 5 | 3 | 1 | 1 | 1 | -1 |
| 10  | 80010020 | 5 | 3 | 2 | 1 | 1 | -1 |
| 11  | 80011014 | 5 | 3 | 1 | 1 | 1 | -1 |
| 12  | 80012024 | 5 | 3 | 1 | 1 | 1 | -1 |
| 13  | 80013014 | 5 | 3 | 1 | 1 | 1 | -1 |
| 14  | 80016014 | 5 | 3 | 1 | 1 | 1 | -1 |
| 15  | 80016021 | 5 | 3 | 1 | 1 | 1 | -1 |
| 16  | 80016038 | 5 | 3 | 1 | 1 | 1 | -1 |
| 17  | 80017015 | 5 | 3 | 1 | 1 | 1 | -1 |
| 18  | 80017022 | 5 | 3 | 1 | 1 | 1 | -1 |
| 19  | 80018021 | 5 | 3 | 1 | 1 | 1 | -1 |
| 20  | 80020016 | 5 | 3 | 1 | 1 | 1 | -1 |

| Obs | DUPERSID | PANEL | RN | JOBSN | SUBTYPE | STILLAT | SICKPAY |
|-----|----------|-------|----|-------|---------|---------|---------|
| 1 | 80793018 | 5 | 1 | 1 | 1 | -1 | 2 |
| 2 | 82456015 | 5 | 1 | 1 | 1 | -1 | 2 |
| 3 | 82456022 | 5 | 1 | 1 | 1 | -1 | 2 |
| 4 | 80900018 | 5 | 1 | 1 | 1 | -1 | 1 |
| 5 | 82069019 | 5 | 1 | 1 | 1 | -1 | -1 |
| 6 | 82069019 | 5 | 2 | 2 | 1 | -1 | -8 |
| 7 | 82069035 | 5 | 1 | 1 | 1 | -1 | -8 |
| 8 | 85276018 | 5 | 1 | 1 | 1 | -1 | 2 |
| 9 | 81974022 | 5 | 2 | 1 | 1 | -1 | -1 |
| 10 | 81959011 | 5 | 1 | 1 | 1 | -1 | 1 |
| 11 | 81915015 | 5 | 1 | 1 | 1 | -1 | 2 |
| 12 | 81915022 | 5 | 1 | 1 | 1 | -1 | 1 |
| 13 | 84387012 | 5 | 1 | 1 | 1 | -1 | 1 |
| 14 | 84387029 | 5 | 1 | 1 | 1 | -1 | 1 |
| 15 | 84387036 | 5 | 1 | 1 | 1 | -1 | 1 |
| 16 | 84387036 | 5 | 2 | 2 | 1 | -1 | 2 |
| 17 | 84387043 | 5 | 1 | 1 | 1 | -1 | -8 |
| 18 | 84387043 | 5 | 2 | 2 | 1 | -1 | 1 |
| 19 | 84387059 | 5 | 1 | 1 | 1 | -1 | 2 |
| 20 | 84387066 | 5 | 1 | 1 | 1 | -1 | 2 |

MEPS HC-056

The FREQ Procedure

DOES PERSON HAVE PAID SICK LEAVE

| SICKPAY | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|---------|-----------|---------|----------------------|--------------------|
| -9 | 13 | 0.22 | 13 | 0.22 |
| -8 | 145 | 2.43 | 158 | 2.65 |
| -7 | 16 | 0.27 | 174 | 2.92 |
| -1 | 660 | 11.07 | 834 | 13.99 |
| 1 | 2880 | 48.31 | 3714 | 62.29 |
| 2 | 2248 | 37.71 | 5962 | 100.00 |

The FREQ Procedure

|  |  |  |  | Cumulative | Cumulative |
| SICKPAY | SICKPAYX | Frequency | Percent | Frequency | Percent |
|---------|----------|-----------|---------|------------|-----------|
| -1 | -9 | 8 | 0.19 | 8 | 0.19 |
| -1 | -8 | 89 | 2.14 | 97 | 2.33 |
| -1 | -7 | 7 | 0.17 | 104 | 2.50 |
| -1 | -1 | 519 | 12.47 | 623 | 14.97 |
| -1 | 1 | 2241 | 53.86 | 2864 | 68.83 |
| -1 | 2 | 1297 | 31.17 | 4161 | 100.00 |