



U.S. Department of Education  
Institute of Education Sciences  
NCES 2004-103

# **National Household Education Surveys of 2003**

## **Data File User's Manual, Volume III**

### **Adult Education for Work-Related Reasons Survey**



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July 2004

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## INTRODUCTION

The National Household Education Surveys Program (NHES) was developed by the National Center for Education Statistics (NCES) to collect information on important educational issues through random digit dial (RDD) telephone surveys of households in the United States. The 2003 administration (NHES:2003) was conducted by Westat from January 2 through April 13, 2003. In the NHES:2003 Screener, household members were enumerated and demographic and educational information that determined eligibility for the two topical surveys was collected. The NHES:2003 surveys are:

- The Parent and Family Involvement in Education Survey (PFI-NHES:2003), which addressed homeschooling, school choice, types and frequency of family involvement in children's schools, school practices to involve and support families, learning activities with children outside of school, and the involvement of nonresidential parents; and
- The Adult Education for Work-Related Reasons Survey (AEWR-NHES:2003), which collected information about participation in college and university degree or certificate programs taken for work-related reasons, postsecondary vocational/technical diploma or degree programs taken for work-related reasons, apprenticeships, work-related courses, and work-related informal learning. In addition, the survey explored factors associated with participation or nonparticipation in adult education activities.

The populations of interest in the NHES:2003 surveys were:

- PFI: Children enrolled in kindergarten through 12th grade, in regular school or homeschool; and
- AEWR: Adults age 16 or older who were not enrolled in grade 12 or below, not institutionalized, and not on active duty in the U.S. armed forces.

This manual, the *National Household Education Surveys of 2003 Data File User's Manual, Volume III, Adult Education for Work-Related Reasons Survey*, provides documentation and guidance for users of the public-use data file for the AEWR-NHES:2003 survey. This volume contains a description of the content and organization of the data file, including useful information regarding questionnaire items and the various derived variables found on the file. The reader should especially note the discussion of data considerations and anomalies in chapter 7. Included as appendixes are the public-use data file layout, SAS code for creating derived variables, and the codebook for the AEWR-NHES:2003 public-use data file.

Volume III is meant to be read in conjunction with Volume I of the *National Household Education Surveys of 2003: Data File User's Manual*. More information about the purpose of the study, the sample design, the surveys, the data collection instruments, and data collection and data processing procedures is contained in Volume I. Detailed information about the PFI-NHES:2003 can be found in Volume II.

Some analysts may wish to conduct analyses comparing the AEWR-NHES:2003 estimates with those from previous NHES adult education surveys, for example, AELL-NHES:2001. It is important to be aware of significant differences between these surveys. AEWR is the first NHES survey to focus specifically on work-related education and training, and therefore it has a limited scope. AE-NHES:1995, AE-NHES:1999, and AELL-NHES:2001 were concerned with the wide range of educational activities in which adults may take part, regardless of the purpose of such activities or their

relationships to career activities or goals. For those analysts wishing to compare estimates from these various surveys, a careful review of the content and administration of each adult education interview and data file is strongly encouraged.

## 6. GUIDE TO THE DATA FILE AND CODEBOOK

### 6.1 Content and Organization of the Data File

This section describes the content of the public-use data file constructed for the Adult Education for Work-Related Reasons Survey (AEWR) of the 2003 National Household Education Surveys Program (NHES:2003). This includes data from interviews completed with 12,725 adults age 16 and older as of December 31, 2002, not enrolled in 12th grade or below, and not on active duty in the U.S. Armed Forces. This file contains data from all completed AEWR interviews. There is one record for each interview; therefore, the file contains 12,725 records. The file is organized so that logically related sets of variables are grouped together. The data items are listed in the file in the following order: system variables, household membership variables, questionnaire item variables, household characteristics variables, derived variables, weighting and variance estimation variables, and imputation flag variables.

A list of all the variables in the data file is shown in appendix C. The VARIABLE NAME column displays the unique identifier for each variable in the data file. The VARIABLE LABEL column displays a short description associated with the variable. The FORMAT column indicates if a variable has a numeric ("N") or a character ("C") format. All of the variables except MAINRSLT in the AEWR data file have numeric formats. The LENGTH column indicates the columns of data the variable takes up on the data file. The position of the variable on the file is indicated in the START and END columns.

The value "-1" for any variable on the file indicates that a case was part of a legitimate skip. For example, if a respondent answered that he or she did not participate in any work-related courses (WRACTY = 2 and WROTHACT = 2), the items concerning work-related courses contain a value of "-1" for the case. Analysts may want to recode these cases to facilitate their analyses. For example, in a study of the hours of participation in work-related courses, -1s for WRCLSHR1, WRCLSHR2, WRCLSHR3, and WRCLSHR (AE10. For how many total hours did you attend (TRAINING NAME) (training/course/seminar)?) could be set to 0 for respondents who did not participate in work-related courses.

The public-use data file is provided on CD-ROM and is available on the Internet at <http://nces.ed.gov/nhes>.

#### 6.1.1 System Variables

Each record starts with a case identification (ID) number, BASMID. Following the ID variable is MAINRSLT, which identifies the completion status of the interview (e.g., sampled as a participant and completed as a participant). The next variable, ENGLSPAN, indicates whether the interview was conducted in English or Spanish.

**BASMID** is the 12-digit ID number for the interview. It is composed of the eight-digit household identifier, the interview subject's two-digit household-member person number, and a two-digit interview number, all of which are 01 in AEWR.



**MAINRSLT** is the interview completion code. The values of **MAINRSLT** in the AEWB file are:

CP = Complete AEWB; sampled as participant, completed as participant  
CU = Complete AEWB; sampled as nonparticipant, completed as nonparticipant  
CX = Complete AEWB; sampled as participant, completed as nonparticipant  
CZ = Complete AEWB; sampled as nonparticipant, completed as participant

**ENGLSPAN** indicates whether the interview was conducted in English or in Spanish. The values for **ENGLSPAN** in the AEWB file are as follows:

1 = Interview was conducted in English  
2 = Interview was conducted in Spanish

### 6.1.2 Household Membership Variables

In each household in which an adult was sampled for AEWB, all household members were enumerated in the Screener interview. Data collected included the age and sex of each household member (Screener questionnaire item S6). The household member information is stored on the public use data file in the following order: information about the sampled adult and information on all other household members. The variables appear on the data file as follows:

**AAGE2002** is the age of the sampled adult as of December 31, 2002.  
**SEX** is the sex of the sampled adult.

**AGE(n)** gives the ages of each enumerated household member other than the sampled adult.  
**SEX(n)** gives the sex of each enumerated household member other than the sampled adult.

where *n* is a sequential number assigned to each household member after the adult is removed from the household roster. Note that the household membership is truncated at eight people to protect respondent confidentiality.

### 6.1.3 Questionnaire Item Variables

The questionnaire item variables appear on the file in the same order as they were asked. Refer to the questionnaire in Volume I, appendix A, for the order.

Some variables were excluded from the file for confidentiality reasons. These include the names of household members, verbatim string responses that might identify persons or places, and the individual ZIP Codes (STFZIP). Some of these variables are included in a separate restricted-use data file (see section 6.3 below). The AEWB survey questionnaire appears with the Screener and the Parent and Family Involvement in Education questionnaire in Volume I, appendix A; variable names are provided to the left of each question. Those followed by “/R” appear only on a restricted-use data file that may be obtained through a special licensing agreement with NCES. Go to the NCES Web site at <http://nces.ed.gov/pubsearch/licenses.asp> to learn more about getting a license.

The reader should note that AEWB variables associated with questionnaire items AB2, college and university degree or diploma programs, and AC2, vocational/technical diploma or degree programs, are counters rather than categorical variables. In these questions, adults could report multiple programs, and in

some cases, reported multiple programs of the same type (e.g., two associate's degree programs). To accommodate these situations, the variables were created as counters of the number of programs of a given type. For example, CRTYASC is the number of associate's degree programs reported at AB2, and VOVOC is the number of vocational diploma programs reported at AC2.

Information was collected only on one work-related college/university program and one work-related vocational/ technical program. Programs not taken for work-related reasons were not selected for the collection of detailed information. If an adult participated in more than one college or university degree or certificate program for work-related reasons in the previous year (as indicated at questions AB2 and AB4), information was collected on the highest-level program. If the adult reported more than one work-related program at that highest level, the most recent program was selected. CRDIPLOM indicates the level of the selected program.

A slightly different approach was used in the vocational/technical section. If the adult took a vocational diploma, technical diploma, or associate's degree program for work-related reasons (as indicated at questions AC2 and AC4), information was collected on that program. If he/she took more than one such program for work-related reasons, information was collected on the most recent program. If he/she took only an "other" type of program for work-related reasons (as indicated at AC2 and AC4), information was collected on that program only if he/she did not take a vocational diploma, technical diploma, or associate's degree program. If he/she took more than one "other" program, the first program reported by the respondent was selected. VODIPLOM contains the type of program selected.

In the AEWI interview, open-ended items were coded that related to the industry and occupation of jobs reported by respondents and the major field of study for participants in credential programs. Codes for industry and occupation included in the public-use data file are FNAICS for industry and FSOC for occupation. Codes for major field of study are also included in the public-use data file (CRCIPF for college programs and VOCIPF for vocational/technical programs). Up to four work-related courses were also coded; the codes are WRCRS1-WRCRS4. Also, "other, specify" responses to questions about reasons for and outcomes of participation were coded, as discussed in section 7.1.6.

#### **6.1.4 Household Characteristics Variables**

Household characteristics variables are variables that reflect characteristics of the household as a unit. These questions were asked at the end of the first interview in the household. For example, questions were asked about whether the home was owned or rented (HOWNHOME) and household income (HINCMRNG, HINCM50K, HINCOME). These household items appear on the file in the same order as they were asked.

#### **6.1.5 Derived Variables**

Derived variables were developed and included in the public-use data file to aid users in their analyses. The derived variables fall into three categories: questionnaire item variables, counter variables, and variables linked to other data sources. Questionnaire item-derived variables were created by combining two or more items from the questionnaire. Counter-derived variables include household counter variables, created by counting the number of persons enumerated in the household with specific characteristics, and course or program counters, created by counting the numbers of courses or programs reported. Linked-derived variables were created by using the respondent's ZIP Code to extract data from the 2000 Census of Population Summary File 3 (SF3).

The derived variables appear together on the file in their own section in alphabetical order. They are listed below in the same order with an explanation of how they were derived. Because derived variables are in alphabetical order, those that are substantively related may not be proximate to one another either on the file or in this discussion. The actual SAS code to create these variables is found in appendix D with the exception of the counter of the total number of persons in the household (HHTOTAL), which was derived prior to the creation of the public use data file, and the linked ZIP Code variables created using data from the 2000 Decennial Census. All unique NHES:2003 ZIP Codes were matched to ZIP Codes on the SF3 to extract urbanicity, the percent of Black or Hispanic residents, and the percent of persons under age 18 living in poverty. The AEWOR derived variables are as follows:

**AELABOR** indicates the adult's labor force status. Adults are classified as working full-time, working part-time, unemployed and looking for work, or not in the labor force. This variable is derived from IBWORK (AH12), IBLEAVE (AH13), PAYHRS (AH14), JOBLOCK (AH16), JOBAGN (AH17a), JOBEMPL (AH17b), JOBREL (AH17c), and JOBANSAD (AH17d).

The values of AELABOR are:

- 1 = Employed full-time (35 hours or more weekly)
- 2 = Employed part-time (less than 35 hours weekly)
- 3 = Unemployed and looking for work
- 4 = Not in the labor force

**AEWORK** indicates whether the adult participated in formal adult education activities for work-related reasons in the previous 12 months. It is derived from CRWRREA1-3 (AB4), VOWRREA1-3 (AC4), APPRENTI (AD1), WRACTY (AE1), and WRACTOTH (AE2).

The values of AEWORK are:

- 1 = Yes
- 0 = No

**CENREG** identifies the Census region for each record. This variable was created by linking states and telephone area codes of sampled adults.

The following states and the District of Columbia are in each Census region:

Northeast: CT, NH, NJ, NY, MA, ME, PA, RI, VT  
South: AL, AR, DC, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, WV  
Midwest: IA, IL, IN, KS, MI, MN, MO, ND, NE, OH, SD, WI  
West: AK, AZ, CA, CO, HI, ID, MT, NM, NV, OR, UT, WA, WY

The values of CENREG are:

- 1 = Northeast
- 2 = South
- 3 = Midwest
- 4 = West

**COLEMSUP** indicates whether the respondent received support from an employer (not including self-employment) for participation in a college or university degree or certificate program taken for work-related reasons. If the adult reported participating in more than one college program for work-related reasons in the previous 12 months, information on employer support was collected only for the

one with the highest degree level and the most recent at that level. Support includes instruction at the workplace, attendance during work hours, being paid while attending instruction, employer payment or reimbursement of tuition costs, and employer payment or reimbursement of costs for books or materials. Adults are coded -1, inapplicable, if they were not participants in college or university degree programs. This measure was derived from CRWRREA1-3 (AB4), CRWRKPL (AB17), CRWRKHR (AB18), CREMPAID (AB19), CREMPTUI (AB20a), and CREMPMAT (AB20b).

The values of COLEMSUP are:

- 1 = Yes
- 0 = No
- 1 = Nonparticipant

**CRVOSUPP** indicates whether the respondent received support from an employer (not including self-employment) for participation in a college or university degree or certificate program taken for work-related reasons or a vocational/technical diploma program taken for work-related reasons. If the adult reported participating in more than one college program for work-related reasons in the previous 12 months, information on employer support was collected only for the one with the highest degree level and the most recent at that level. If the adult reported multiple vocational/technical programs taken for work-related reasons, information on employer support was collected for the most recent one. Adults are coded -1, inapplicable, if they were not participants in college/university degree or certificate programs or vocational/technical diploma programs for work-related reasons. This variable is derived from CRWRREA1-3 (AB4) and VOWRREA1-3 (AC4), CRWRKPL (AB17), CRWRKHR (AB18), CREMPAID (AB19), CREMPTUI (AB20a), and CREMPMAT (AB20b), VOWRKPL (AC17), VOWRKHR (AC18), VOEMPAID (AC19), VOEMPTUI (AC20a), and VOEMPMAT (AC20b).

The values of CRVOSUPP are:

- 1 = Yes
- 0 = No
- 1 = Nonparticipant

**CRVOWORK** is a composite variable that indicates whether the adult has participated in any college or university degree or certificate programs taken for work-related reasons or vocational/technical diploma programs taken for work-related reasons. This includes participation on either a part-time or full-time basis in the past 12 months. This variable is derived from CRWRREA1-3 (AB4) and VOWRREA1-3 (AC4).

The values of CRVOWORK are:

- 1 = Yes
- 0 = No

**EDUCLEVL** is a measure of the educational attainment of adults. If the respondent indicated that his/her highest level of schooling is vocational or technical after high school, an associate's degree, or some college but no degree, he/she is assigned to the "some college, associate's degree, or voc/tech school" category (whereas in HIGHEDUC, those respondents are assigned to the category "high school diploma or equivalent" if they have a diploma or equivalent or to "less than high school diploma" if they do not). This measure is derived from IBGRADE (AA1) and IBDIPL (AA3).

The values of EDUCLEVL are:

- 1 = Less than high school diploma
- 2 = High school diploma or its equivalent
- 3 = Some college, associate's degree, or voc/tech school
- 4 = Bachelor's degree or higher

**EMPSUP** indicates whether the respondent received support from an employer (not including self-employment) for a college or university degree or certificate program taken for work-related reasons, a vocational/technical diploma program taken for work-related reasons, or up to four sampled work-related courses. If the adult reported participating in more than one college program for work-related reasons in the previous 12 months, information on employer support was collected only for the one with the highest degree level and the most recent at that level. If the adult reported multiple vocational/technical programs taken for work-related reasons, information on employer support was collected for the most recent one. Adults are coded -1, inapplicable, if they were not participants in college/university degree programs for work-related reasons, vocational/technical diploma programs for work-related reasons, or work-related courses. This measure is derived from IBWORK12 (AA5), CRWRREA1-3 (AB4), VOWRREA1-3 (AC4), WRACTY (AE1), WRACTOTH (AE2), and the derived variables COLEMSUP, VOEMSUP, and WREMSUP.

The values of EMPSUP are:

- 1 = Yes
- 0 = No
- 1 = Nonparticipant

**HH18OVER** is a counter variable that indicates the number of household members age 18 and older.

**HHTOTAL** is a counter variable that indicates the total number of household members. Note that the household membership is truncated at eight people to protect respondent confidentiality.

**HHUNDR6** is a counter variable that indicates the number of household members younger than 6 years old.

**HHUNDR13** is a counter variable that indicates the number of household members younger than 13 years old.

**HHUNDR18** is a counter variable that indicates the number of household members younger than 18 years old.

**HHUNDR21** is a counter variable that indicates the number of household members younger than 21 years old.

**HIGHEDUC** is an additional measure of educational attainment. For this measure, those with some college or vocational/technical school who have not earned an associate's degree were classified as high school graduates if they have a diploma and as less than high school if they do not. Thus, this is a credential-based measure, and is derived from IBGRADE (AA1) and IBDIPL (AA3).

The values of HIGHEDUC are:

- 1 = Less than high school diploma
- 2 = High school diploma or its equivalent
- 3 = Associate's degree
- 4 = Bachelor's degree or higher

**OCCGRP** is a recode of FSOC, the final NHES occupation code that has a set of 22 categories aggregated from Standard Occupational Classification (SOC) categories. In OCCGRP, these 22 occupation groups are classified into three categories. A fourth category accounts for those not employed in the previous 12 months.

The values of OCCGRP are:

- 1 = Professional/managerial/administrative
- 2 = Sales, service, and clerical
- 3 = Trades and labor
- 4 = Not employed in the past 12 months

**RACEETHN** gives the race and Hispanic origin of the adult in four categories. If the respondent designated his/her ethnicity as Hispanic, RACEETHN is Hispanic regardless of whether ARACE was classified as White or Black, or another race. This measure is derived from ARACE (AH2) and AHISPANI (AH4).

The values of RACEETHN are:

- 1 = White, non-Hispanic
- 2 = Black, non-Hispanic
- 3 = Hispanic
- 4 = All other races, non-Hispanic

**RACEETH2** gives the race and Hispanic origin of the adult in five categories. It differs from RACEETHN in that it includes a separate category for those of Asian or Pacific Islander, non-Hispanic race. This measure is derived from ARACE (AH2) and AHISPANI (AH4).

The values of RACEETH2 are:

- 1 = White, non-Hispanic
- 2 = Black, non-Hispanic
- 3 = Hispanic
- 4 = Asian or Pacific Islander, non-Hispanic
- 5 = All other races, non-Hispanic

**VOEMSUP** indicates whether the respondent received support from an employer (not including self-employment) for participation in a vocational/technical diploma program taken for work-related reasons. If the adult reported multiple vocational/technical programs taken for work-related reasons, information on employer support was collected for the most recent one. Adults were coded -1, inapplicable, if they were not participants in vocational or technical diploma programs for work-related reasons. This measure was calculated from VOWRREA1-3 (AC4), VOWRKPL (AC17), VOWRKHR (AC18), VOEMPAID (AC19), VOEMPTUI (AC20a), and VOEMPMAT (AC20b).

The values of VOEMSUP are:

- 1 = Yes
- 0 = No
- 1 = Nonparticipant

**WREMSUP** indicates whether the respondent received support from an employer (not including self-employment) for participation in any of up to four sampled work-related courses (the course sampling approach is described in section 6.1.6 in connection with the course weight, WRWGT). Adults were coded -1, inapplicable, if they were not participants in work-related courses. This measure was calculated from WRACTY (AE1), WRACTOTH (AE2), WRPROVE1-4 (AE20a-d), WROPROVE (AE20e), WRWRKPL1-4 (AE21a-d), WROWRKPL (AE21e), WRWRKHR1-4 (AE22a-d), WROWRKHR (AE22e), WREMPAI1-4 (AE23a-d), WROEMPAI (AE23e), WREMPTU1-4 (AE24a-d), WROEMPTU (AE24e), WREMPMA1-4 (AE25a-d), and WROEMPMA (AE25e).

The values of WREMSUP are:

- 1 = Yes
- 0 = No
- 1 = Nonparticipant

**WRNEW** indicates the number of work-related courses in which the respondent has participated. Nonparticipants in work-related courses are set to inapplicable (-1). Verbatim strings for course names were counted for this variable. Note that course names do not appear on the public-use data file.

**WRTIME** shows the total hours of participation in work-related courses. It is a continuous variable. Adults were coded -1, inapplicable, if they were not participants in work-related courses. This measure was calculated from WRCLSHR1-4 (AE10) and WRWGT, the course weight (described in section 6.1.6).

**ZIP18PO2** is a linked-derived variable that categorizes the percentage of families in the subject's ZIP Code who have children under age 18 and had incomes in 1999 below the poverty line.

The values of ZIP18PO2 are:

- 1 = Less than 5 percent
- 2 = 5-9 percent
- 3 = 10-19 percent
- 4 = 20 percent or more

**ZIPBLHI2** is a linked-derived variable that categorizes the percentage of persons in the subject's ZIP Code who are Black or Hispanic.

The values of ZIPBLHI2 are:

- 1 = Less than 6 percent
- 2 = 6-15 percent
- 3 = 16-40 percent
- 4 = 41 percent or more

**ZIPURBAN** is a linked-derived variable that categorizes the subject's ZIP Code as urban or rural. The definitions for these categories are taken directly from the 2000 Census of Population. An urbanized area (UA) comprises densely settled territory that has a minimum population of 50,000 people. The specific density and distance requirements are defined in the *Federal Register*, Vol. 67, No. 84.

The second category is urban, inside urban cluster. This category includes densely settled territory with a minimum population of 2,500 people, but fewer than 50,000 people. Areas not classified as urban are classified as rural.

Since a ZIP Code can cut across geographic areas that are classified in any of the three categories, the ZIPURBAN variable is classified into the category that has the largest number of persons. For example, if a ZIP Code has 5,000 persons in the first category (urban, inside UA), 0 persons in the second category (urban, inside urban cluster), and 1,200 persons in the third category (rural), it is classified as inside UA.

The values for ZIPURBAN are:

- 1 = Urban, inside UA (urbanized area)
- 2 = Urban, inside urban cluster
- 3 = Rural

### **6.1.6 Weighting and Variance Estimation Variables**

The first variable in this section of the file is FAWT. It is the variable that should be used as the weight variable to estimate the characteristics of adults. This weight contains all of the adjustments for the probabilities of selection, nonresponse, and undercoverage as described in Volume I, chapter 3 of this manual.

Following FAWT is WRWGT, the work-related course weight. Data were collected from AEWB participants for up to four work-related courses. If an adult took more than four work-related courses, four were randomly selected for data collection. For some analyses, the sampled work-related courses must be weighted to be representative of all work-related courses taken by the adult.

Some analysts may have an interest in conducting analyses using individual course data. The AEWB-NHES:2003 survey is based on a sample of adults, and not a sample of courses, meaning that the data are representative of adults and not of courses. Statements about the experiences of adults in these courses like, "On average, adults in work-related courses paid  $x$  dollars out of their own pockets for each work-related course they took," can be supported by the data. The unit of analysis here is adults and the discussion focuses on an adult-based estimate using totals from the courses reported by the adult. Statements describing the universe of available courses like, "The average work-related course has a tuition of  $x$  dollars," cannot be supported by the data. The implied unit of analysis here is the course. A key reason the data are not representative of courses is that more than one adult could have taken the same course and it is not possible to adjust for these multiplicities since there is no way of identifying such occurrences. In such a situation, the course would be counted as existing multiple times, providing an erroneously high count of courses. Thus, the sum of the weights across all sampled courses would be an estimate of the number of enrollments (that is, occupied seats) in all courses, and not the number of courses.



In order to generate estimates describing the experiences adults had when taking work-related courses, a work-related course weight is provided. It is designed to make the courses sampled for the adult represent all of the courses (sampled and not sampled) taken by the adult.

Course weights are also needed for other types of analyses regarding work-related courses. For instance, analysts may have an interest in making person-based estimates that use totals from the courses reported, for example, total or mean time spent in courses or total or mean amount spent for course-related costs. Again, because the courses were sampled for some respondents, course weights are needed to fully represent the time or cost.

The course weight to be used for work-related courses is WRWGT. The course weight is the ratio of the total number of courses of a given type reported by the respondent to the number of courses for which data were collected.<sup>1</sup> If a respondent took seven work-related courses, then WRWGT equals 1.75 (7/4). If the person took few courses and subsampling was not necessary, the course weight equals 1.0.

The course weight is based on the number of courses reported and sampled, regardless of whether one or more courses were deleted (usually because a respondent indicated that a course took place more than 12 months previously). There were 19 cases in which more than 4 courses were initially reported, requiring sampling of courses, and one or more sampled courses were deleted. In such cases, the course weight appears to be inconsistent with WRNEW and the number of courses for which data are given in the data file.

The course weight is applied to variables associated with courses in order to represent the total courses taken by the adult, the total amount spent, the total time spent in courses, and so on. The application of the weight results in a new **variable** that represents the total for all the person's courses, taking into account the subsampling of courses. Note that the course weight is used to create a **variable**, and is not intended for use in the same way as full sample weights in analysis. Users have to use FAWT in conjunction with the course weighting factors. This procedure is illustrated in the following example.

**Example:** An example of the application of the work-related course weight (WRWGT) can be seen in the derived variable WRTIME, the total time spent in work-related courses. To form this variable, the time variables for work-related courses (WRCLSHR1, WRCLSHR2, etc.) were added together and the sum was multiplied by the work-related course weight (WRWGT). (WRTIME is described on page 10 and the code used to create the derived variable appears on page D-5.)

The calculated variable WRTIME can be analyzed like any other variable in the file by using the person weight (FAWT) in the procedure statement (e.g., a SAS PROC or an SPSS procedure) to estimate the characteristic.

As noted above, the sum of the course weights estimates the numbers of enrollments (occupied seats) for course characteristics and not the number of courses. Analysts can also use the course weights to estimate a statistic across enrollments (seats).

**Example:** The analyst creates a derived variable that is the number of sampled work-related courses for which the adult received tuition assistance from his or her employer. Applying the course

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<sup>1</sup> The questionnaire allowed for the collection of up to 20 course names, however, no adult reported more than 19 courses.

weight to this derived variable, the analyst creates a new variable representing the number of work-related course seats that received this type of employer support. A statement of such a finding would be, "Of all course seats in work-related courses,  $x$  percent were enrollments for which adults received tuition assistance from their employers." It would not be correct to state that "Employers provided tuition assistance for  $x$  percent of courses."

The calculation of standard errors for estimates produced in analyses using variables constructed with course weights is the same as in all other analyses using the AEW data set. Since the same full sample weight (FAWT) is used in the analysis procedure, the method used to calculate variances for the estimates, whether using a Taylor-series approach or a replication approach, is identical to all other analyses.

For many analyses related to courses, the use of course weights is not needed. If it is of interest to know whether any of the classes taken by an adult had a particular characteristic (e.g., if the estimate of interest is the proportion of adults taking work-related courses that had costs associated with them), then course weights are not needed. In this example, a variable should be created that indicates, for each adult, whether any of work-related courses had a cost; this variable would be derived from whether the first work-related course had a cost, whether the second work-related course had a cost, and so on, up to the total of four work-related courses. The course weight makes no difference in this example, because the analysis is focused on whether **any** of the courses had a specific characteristic, and not on a total. On the other hand, if the analysis of interest pertains to adult-level totals (e.g., the average amount spent by adults on work-related courses), then the course weights are needed. Failure to use the course weight in such an example would lead to underestimation, since the non-sampled courses would not be reflected in the total expense for each adult.

The 80 replicate weights, FAWT1 to FAWT80, are the next variables in this section. These replicate weights can be used with various complex sample survey data analysis software packages that use replication methodology, such as WesVar (using the JK1 method), SUDAAN, and AM, to produce estimates of the sampling errors of the estimates. More details on how the replicate weights were created and how they can be used are given in Volume I, chapter 3.

The remaining two variables in this section are APSU and ASTRATUM. These variables are provided to enable users to compute sampling errors using Taylor-series approximations, such as the SUDAAN procedure (Shah et al. 1995). The methods used to construct the values for APSU and ASTRATUM are also discussed in Volume I, chapter 3. Volume 1, chapter 3 also contains information about calculating sampling errors without using replication or Taylor-series procedures.

### **6.1.7 Imputation Flag Variables**

Item nonresponse occurred when some, but not all, of the responses were missing from an otherwise cooperating respondent. To help users of the NHES:2003 data, the missing data were imputed, that is, obtained from a donor case using statistical procedures. For each variable on the AEW public-use file with imputed data, an imputation flag variable was created. If there is no imputation flag, then no imputation was performed on that variable. This flag can be used to identify imputed values. In Volume I, section 3.7, the meaning of values assigned to the imputation flags is discussed.

The naming convention for the imputation flag variables was to drop the last letter of the variable name and replace it with an "F." For example, the imputation flag for SEX is SEF. This naming convention holds true for all AEW variables except two types of cases, variables that originally end in "F" or that would be confused with other variables if the last letter were to be dropped and variables that

end in a number. In the first instance, an “F” is added to the end of the variable name and a letter prior to the original ending “F” is dropped. For example, the imputation flag for ILSELF is ILSEFF. For variables that end in numbers, for example, AGE1, AGE2, etc., the character before the ending number was replaced with an “F” to form the imputation flag (e.g., AGF1, AGF2). The imputation flags appear on the file in the same order as the variables to which they refer.

### **6.1.8 Numeric and Character Variables**

All of the variables in the AEWB survey file, except MAINRSLT, have numeric formats.

## **6.2 Guide to the Codebook**

The codebook, shown in appendix E, contains complete descriptions of the contents of the data file. The codebook contains system variables, household membership variables, questionnaire variables, household characteristics variables, derived variables, weighting and variance estimation variables, and imputation flag variables. The codebook provides all the pertinent information for the variables in the file, including the variable name, the question wording, the position and format of the variable in the file, and the responses to the item. The unweighted frequency, unweighted percent, weighted frequency, and weighted percent are provided with each response. Figure 6-1 provides a description of each of the items appearing in a codebook entry.

## **6.3 Public-Use and Restricted-Use Data Files**

This manual is designed to assist users of the public-use AEWB data file. The public-use file contains all the variables detailed above but does not contain certain variables excluded from the file for confidentiality reasons. These include the names of household members, verbatim string responses that might identify persons, and respondents' individual ZIP Codes. Some of these variables (e.g., verbatim strings of other-specify categories, ZIP Code) that are excluded from the public-use file are included on a separate restricted-use file. These variables are indicated with “R” on the AEWB survey questionnaire in Volume I, appendix A. The restricted-use data file may be obtained through a special licensing agreement with NCES. Go to the NCES Web site at <http://nces.ed.gov/pubsearch/licenses.asp> to learn more about getting a license.

**Figure 6-1. Example of the codebook format**

- (1) **AA6. (Earlier you reported that you worked in the past 12 months.) Were you self-employed at any time in the past 12 months?**
- (2) **Variable Name :** IBSELFEM      AA6-SELF-EMPLOYED IN THE PAST 12 MONTHS
- (3) **Record Number :** 1
- (4) **Position :** 63-64
- (5) **Format :** N2.

(6) <b>Response</b>	(7) <b>Codes</b>	(8) <b>Frequency</b>	(9) <b>Percent</b>	(10) <b>Weighted Frequency</b>	(11) <b>Weighted Percent</b>
1 YES	1	1,578	30.0	23,771,817	16.3
2 NO	2	7,330	12.4	122,158,090	83.7
RESERVED CODE: -1 INAPPLICABLE	-1	3,817	57.6	60,502,818	
		12,725	100.0%	206,532,725	100.0%

- (1) Questionnaire number and question wording: This is the exact question wording as it appeared in the questionnaire.
- (2) Variable Name: This is the variable name associated with each item. It is the unique identifier present in the SAS, SPSS, or Stata data file. The variable name is followed by a short label, which is associated with each of the variables. This label also appears in the SAS, SPSS, or Stata data file. Labels contain the questionnaire item numbers. Labels that begin with the letter "D" indicate a derived variable.
- (3) Record: Record number gives the record (line of data for the case) on which the variable is located. All cases in the AEW data file have one record.
- (4) Position: This provides the starting and ending position of the variable in the ASCII file.
- (5) Format: This provides the variable type, its width, and the number of positions after the decimal point, if necessary. A data type of "N" represents numeric variables and "C" represents character variables. In this example, IBSELFEM is a numeric variable with a length of 2 and no decimals.
- (6) Response: This column provides the response categories for the variable.
- (7) Codes: This column provides the actual numeric/character codes present in the data files.
- (8) Frequency: This column displays the unweighted frequency counts for this variable. The counts for missing values (skips) are also included for the unweighted values.
- (9) Percent: This column displays the unweighted frequency counts from the previous column as percentages. This column also contains percentages for missing values (skips).
- (10) Weighted Frequency: This column displays the frequency counts weighted up to the population.
- (11) Weighted Percent: This column displays the percentages of frequency counts weighted up to the population. This column does not include percentages for missing values (skips).

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## **7. DATA CONSIDERATIONS AND ANOMALIES**

The purpose of this section is to bring to the user's attention certain data considerations and data anomalies in the NHES:2003 Adult Education for Work-Related Reasons Survey (AEWR) data file, to describe the nature of those anomalies, and, where appropriate, to identify possible means of taking them into account when analyzing the data. In most surveys, some real or apparent inconsistencies are observed. These may result from unusual circumstances, respondent interpretations of questions, or other factors. Those listed here were identified during the editing and review of these data and represent anomalies known at the time this manual was prepared. Other anomalies may exist in the data.

### **7.1 Data Considerations**

Data considerations are features of the data file of which users should be aware. In general, these are features of the questionnaire, survey procedures, or data file conventions that are documented here for the purpose of bringing them to the attention of analysts.

#### **7.1.1 Truncation of Age**

A very small percentage of adults are over the age of 90. Because such late age is a rare characteristic, age variables were truncated at 90 to protect respondent confidentiality. Persons whose ages were over 90 were coded as being 90 years of age. Twenty-nine cases were topcoded at AAGE2002 (adult's age as of December 31, 2002) and ADOBYY (year of birth).

#### **7.1.2 Reporting of Educational Activities**

Information was collected on AEWR activities in the following order: college or university degree or certificate programs, vocational/technical diploma or degree programs, apprenticeships, work-related courses, and informal learning activities related to work. Because respondents could not anticipate the activities about which they would be queried as the interview progressed, it is likely that some respondents reported an activity in the first section in which it seemed to fit; their classification may not match that of an analyst. For example, someone taking a program of courses at a college leading to a certificate in network administration may have reported this activity under the college section (as an "other degree or certificate") or under the later work-related courses section. It also appears that some respondents (approximately 30) may have reported the same activity in more than one section. It is not clear that these cases involve duplicate reports, but it is likely that at least some of them do.

#### **7.1.3 Participation in English as a Second Language Classes**

In the AEWR-NHES:2003, interviews were conducted in English and Spanish. As a result, adults who do not speak English or Spanish could not be interviewed. Therefore, analysts should be aware of possible underreporting as a result of this coverage limitation. Specifically, persons who speak neither English nor Spanish may take English as a Second Language for work-related reasons, but did not have an opportunity to respond to the survey.

#### **7.1.4 College and University Programs and Vocational/Technical Programs**

In AEWR questions AB2 and AC2, adults reported postsecondary degree or certificate programs in which they participated in the previous 12 months. More than one program could be reported, and more than one program of the same type could be reported. To accommodate these situations, the variables concerning program type are counter variables. For example, CRTYASC (at AB2) indicates the number of associate's degree programs in which the adult participated and VOTECH (at AC2) indicates the number of technical diploma programs.

Detailed information was collected on one college or university program taken for work-related reasons. For those adults who reported more than one program, the program at the highest degree level was selected. If the adult reported more than one program at that highest degree level, the most recent was selected. Similarly, detailed information was collected on one vocational/technical program taken for work-related reasons. If the respondent reported one such program, it was selected. If more than one was reported, the most recent among the vocational diploma, technical diploma, or associate's degree programs was selected. If the only programs reported were "other" programs, the one reported first by the respondent was selected. Programs that were not taken for work-related reasons were not selected for the collection of detailed information in the college and university program section (AB) or the vocational/technical program section (AC). As a result, there are respondents who reported programs in these sections, but those programs were not taken for work-related reasons. In these cases, no detailed information on the programs was collected.

#### **7.1.5 Deletion of Courses by Respondents**

In the AEWR interview, up to four work-related courses were sampled for the purpose of obtaining detailed course-level information. Rarely, a sampled course was marked for deletion if, for example, the respondent remembered that the course had been taken over 12 months prior. However, when courses were deleted, no new courses were sampled as substitutes for the deleted courses. Therefore, there are cases in which the count of work-related or personal interest courses (variables WRNEW and SANNEW, respectively) exceeds the number of course segment variables with valid values (i.e., not -1). There were 19 cases of deleted sampled courses in the work-related courses section. The counter variable WRNEW reflects the original total numbers of courses minus the deleted courses.

For example, if a respondent reported six work-related courses, four were sampled. If the respondent deleted two courses because they occurred more than 12 months prior, there would be course variable values for two courses (the two sampled courses that were not deleted) and the value of WRNEW would be four (the six original courses minus the two deleted courses). In this case, the respondent would have data for two nonsampled courses at items AE18, AE19e, AE20e, AE21e, AE22e, AE23e, AE24e, AE25e, and AE26e (as applicable), although WRNEW would not indicate more than four courses.

#### **7.1.6 Questions About Reasons for and Outcomes of Participation**

Respondents were asked about the reasons for their participation in college/university programs, vocational/technical programs, apprenticeships, and work-related courses (AB7, AC7, AD5, AE7). They were asked about the outcomes of their participation in these sections, and also in the section of the questionnaire concerning informal learning activities (AB22, AC22, AD17, AE14, AG6). In addition to providing yes/no responses to a set of predetermined reasons and outcomes, respondents were offered the option of specifying another reason or outcome themselves. Many respondents gave "other"

answers. Some of these responses were similar, but not identical, to the reasons or outcomes the respondents had already been asked about and appeared to be redundant of answers already given to the yes/no items. Many were general statements about knowledge, growth, interest, or satisfaction. Other responses concerned personal reasons or outcomes, whether general or specific. A set of relatively broad categories was created, and these “other, specify” responses were coded into categorical variables. These variables, which end with “CAT,” are noted on the questionnaires.

The categories into which responses concerning reasons and outcomes for participation were coded are as follows:

1. Knowledge/learning/skills: Responses concerning knowledge, learning, education, and skills.
2. Degree/certificate/credits: Responses related to an educational credential such as a degree or certificate, earning credits, or Continuing Education Units (CEUs).
3. Advancement/improvement: Responses related to a raise, advancement or promotion, improving job performance/efficiency, professional development/growth, change in career, new job, keeping a job, and helping in business or business development.
4. Required/mandated: Responses related to a requirement or mandate to take a course or program.
5. Personal/enjoyment/interest/confidence/satisfaction: Responses related to taking a course for or resulting in personal or self-improvement, enjoyment, interest, curiosity, confidence (outcome), or satisfaction (outcome).
6. Networking/contacts: Responses that refer to networking, making contacts, and meeting others in the respondent's career field.
7. Other: Multiple responses (that is, more than one reason) and general statements that do not fit into the above categories.

### **7.1.7 Truncation of Adults' Reported Earnings**

EARNAMT (adults' earnings, AH28) was truncated at \$150,000 per year to limit the disclosure of the identities of adults participating in the survey. For cases in which adults' earnings were reported in units other than “per year,” yearly earnings were approximated assuming full-year employment, and EARNUNT (AK21) was set to 6 (per year).

### **7.1.8 Income to the Nearest Thousand Dollars**

In those households whose income category and household size indicated that they may be at or below the poverty line, household income to the nearest thousand dollars was requested. As the values in the data file show, some respondents did not answer in thousands, but gave somewhat more specific answers. Rather than lose this information, the exact response was retained.

### **7.1.9 Course Weighting Factors**

The course weighting factor WRWGT takes into account that work-related courses were subsampled for many respondents. If respondents took more than four work-related courses, four were



sampled for detailed questions. The course weighting factor accounts for this subsampling, and is discussed further in section 6.1.6.

## **7.2 Data Anomalies**

Data anomalies include responses out of the expected range and real or apparent inconsistencies in the data. The following anomalies are documented here for the purpose of bringing them to the analyst's attention.

### **7.2.1 Educational Attainment and College/University Programs**

AEWR questionnaire section AB collected information about college and university degree programs and post-degree certificate programs. The wording display at AB1 displayed only those certificate levels appropriate to the level of education given by the respondent at questions AA1. For example, if the respondent reported a master's degree as the highest level of education he/she had completed, the wording of AB1 did not include postdoctoral certificates. At AB2, where each degree or certificate program taken in the past 12 months was collected, all response options were shown to the interviewer. In a small number of cases (12), adults are recorded as participating in a certificate program that appears inappropriate to the level of education reported at AA1. The source of the discrepancy (interviewer error, respondent error, or both at AA1, AB2, or both) is unknown.

### **7.2.2 Number of Work-Related Courses and WRNEW**

As noted in section 7.1.5, some adults reported courses that were sampled for the collection of detailed information, but later indicated that the course was not taken in the previous 12 months; these courses were deleted from the data file. If an adult initially reported six courses, four were sampled, and two were deleted, there would be two course records but the value of WRNEW would be 4 (the original six minus the two that were deleted). Thus, there are 19 cases in which WRNEW does not appear to be consistent with the number of courses for which information is reported and with the course weighting factor, WRWGT.

### **7.2.3 Comparisons with Previous NHES Data Files**

Some estimates from AEWR-NHES:2003 have been compared to those from previous NHES surveys related to adult education. This review identified differences in the distribution of responses pertaining to classroom hours for work-related courses (WRCLSHR1-4), tuition for work-related courses (WRTUITO1-4), when certificates associated with a vocational program were received (VOCERWN, which was VOCERMO in AELL-NHES:2001), and persons covered by a union contract (UNIONCON). The reasons for these differences are not apparent, although changes in item wording may have led to the differences in the distribution of VOCERWN/VOCERMO and UNIONCON. This review did not encompass all possible comparisons with previous surveys; analysts may wish to make such comparisons for items that are of interest to them.

## REFERENCE

Shah, B.V., Barnwell, B.G., Hunt, P.N., and LaVange, L.M. (1995). *SUDAAN User's Manual*. Raleigh, NC: Research Triangle Institute.

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**APPENDIX C**

**AEWR PUBLIC-USE FILE LAYOUT IN POSITION ORDER**

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ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
1	BASMID	ADULT CASE IDENTIFICATION	N	12	1	12
2	MAINRSLT	RESULT CODE FOR INTERVIEW	C	2	13	14
3	ENGLSPAN	INTERVIEW IN ENGLISH OR SPANISH	N	2	15	16
4	AAGE2002	AGE AS OF DEC 31, 2002	N	2	17	18
5	SEX	GENDER AT SCREENER	N	2	19	20
6	AGE1	O/HH MEM - #1'S AGE AT SCREENER	N	2	21	22
7	SEX1	O/HH MEM - #1'S GENDER AT SCREENER	N	2	23	24
8	AGE2	O/HH MEM - #2'S AGE AT SCREENER	N	2	25	26
9	SEX2	O/HH MEM - #2'S GENDER AT SCREENER	N	2	27	28
10	AGE3	O/HH MEM - #3'S AGE AT SCREENER	N	2	29	30
11	SEX3	O/HH MEM - #3'S GENDER AT SCREENER	N	2	31	32
12	AGE4	O/HH MEM - #4'S AGE AT SCREENER	N	2	33	34
13	SEX4	O/HH MEM - #4'S GENDER AT SCREENER	N	2	35	36
14	AGE5	O/HH MEM - #5'S AGE AT SCREENER	N	2	37	38
15	SEX5	O/HH MEM - #5'S GENDER AT SCREENER	N	2	39	40
16	AGE6	O/HH MEM - #6'S AGE AT SCREENER	N	2	41	42
17	SEX6	O/HH MEM - #6'S GENDER AT SCREENER	N	2	43	44
18	AGE7	O/HH MEM - #7'S AGE AT SCREENER	N	2	45	46
19	SEX7	O/HH MEM - #7'S GENDER AT SCREENER	N	2	47	48
20	IBGRADE	AA1-HIGHEST GRADE/YEAR SCHOOL COMPLETED	N	2	49	50
21	IBGRAD1	AA1-ACTUAL GRADE 0-8 COMPLETED	N	2	51	52
22	IBGRAD2	AA1-ACTUAL GRADE 9-11 COMPLETED	N	2	53	54
23	IBVOC DIP	AA2-RECEIVED VOC/TECH DIPLOMA	N	2	55	56
24	IBDIPL	AA3-HAS HS DIPLOMA/GED	N	2	57	58
25	IBHSREQ	AA4-COMPLETED HS REQUIREMENTS	N	2	59	60
26	IBWORK12	AA5-WORK AT JOB IN PAST 12 MONTHS	N	2	61	62
27	IBSELFEM	AA6-SELF-EMPLOYED IN THE PAST 12 MONTHS	N	2	63	64
28	IBOTHEMP	AA7-WORKED FOR ANOTHER EMPLOYER ALSO	N	2	65	66
29	IBEMPNUM	AA8-NUMBER EMPLOYERS IN PAST 12 MONTHS	N	2	67	68
30	CRDEGREE	AB1-COL OR UNIV DEGREE PROGRAM	N	2	69	70
31	CRTYASC	AB2-TYPE OF PRGM-ASSOCIATE'S-COUNT	N	2	71	72
32	CRTYBCH	AB2-TYPE OF PRGM-BACHELOR'S-COUNT	N	2	73	74
33	CRTYMAS	AB2-TYPE OF PRGM-MASTER'S-COUNT	N	2	75	76
34	CRTYDOC	AB2-TYPE OF PRGM-DOCTORATE-COUNT	N	2	77	78
35	CRTYPRF	AB2-TYPE OF PRGM-PROFESSIONAL-COUNT	N	2	79	80
36	CRPOSBAC	AB2-TYPE OF PRGM-POST-BACH-COUNT	N	2	81	82
37	CRPOSMAS	AB2-TYPE OF PRGM-POST-MAST-COUNT	N	2	83	84
38	CRPOSDOC	AB2-TYPE OF PRGM-POST-DOC-COUNT	N	2	85	86
39	CRTYOTH	AB2-TYPE OF PRGM-OTHER DEGREE-COUNT	N	2	87	88
40	CRWRREA1	AB4-TAKEN FOR WORK-RELATED REASONS 1	N	2	89	90
41	CRWRREA2	AB4-TAKEN FOR WORK-RELATED REASONS 2	N	2	91	92
42	CRWRREA3	AB4-TAKEN FOR WORK-RELATED REASONS 3	N	2	93	94
43	CRRECENT	AB5-MOST RECENT WORK-RELATED DEGREE PRGM	N	2	95	96
44	CRDIPLOM	HIGHEST LEVEL WORK-RELATED PROGRAM	N	2	97	98
45	CRCIPF	MAJOR FIELD OF STUDY	N	2	99	100
46	CRCURR	AB6-CURR ENROLLED,COMPLETED,STOPPED	N	2	101	102
47	CRRSSKIL	AB7a-MAINTAIN/IMPROVE SKILLS/KNOWLEDGE	N	2	103	104
48	CRRSNWSK	AB7b-LEARN NEW SKILLS/KNOWLEDGE	N	2	105	106
49	CRRSEMP	AB7c-EMPLOYER REQUIRED/RECOMMENDED	N	2	107	108
50	CRRSRAIS	AB7d-RECEIVE PROMOTION/PAY RAISE	N	2	109	110
51	CRRSCHNG	AB7e-CHANGE JOB/ENTER WORKFCE/OWN BUS	N	2	111	112
52	CRRSCERT	AB7f-GET/KEEP CERT/LICENSE	N	2	113	114
53	CRRSOTH	AB7g-ANY OTHER REASON	N	2	115	116
54	CRRSOCAT	SPECIFIED OTHER REASON, CATEGORY CODES	N	2	117	118
55	CREXAM	AB8-TOOK TEST TO GET CERT/LICENSE	N	2	119	120
56	CRCERMO	AB9-RECEIVED CERT MORE THAN 1 YR AGO	N	2	121	122
57	CRCRDHR	AB10-TOTAL CREDIT HRS ENROLLED	N	2	123	124

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
58	CRCRUNT	AB10-UNIT ENROLLED IN PGRM	N	2	125	126
59	CRINTNET	AB11-INSTR BY INTERNET/WWW	N	2	127	128
60	CRTUITON	AB12a-PERSONAL EXPENSE FOR TUITION/FEES	N	5	129	133
61	CRMATLS	AB12b-PERSONAL EXPENSE FOR BOOKS/MTLS	N	5	134	138
62	CRINCBK	AB13-TUITION/FEES INCLUDE BOOKS/MATLS	N	2	139	140
63	CRGOVSUP	AB14a-SUPPORT FROM LOCAL,STATE,FED GOVT	N	2	141	142
64	CRUNISUP	AB14b-SUPPORT FROM UNION	N	2	143	144
65	CRFNDSUP	AB14c-SUPPORT FROM PRIVATE FOUNDATIONS	N	2	145	146
66	CRORGSUP	AB14d-SUPPORT FROM PROF/TRADE ORG	N	2	147	148
67	CRCOMPMM	AB15-CRED COMPLETION MONTH	N	2	149	150
68	CRCOMPYY	AB15-CRED COMPLETION YEAR	N	4	151	154
69	CRWORK	AB16-WORKED WHILE TAKING CRED	N	2	155	156
70	CRWRKPL	AB17-TOOK CRED AT WORKPLACE	N	2	157	158
71	CRWRKHR	AB18-TOOK CRED DURING WORK HOURS	N	2	159	160
72	CREMPAID	AB19-PAID BY EMPL WHILE TAKING CRED	N	2	161	162
73	CREMPTUI	AB20a-EMPL PAID ALL/PART TUITION/FEES	N	2	163	164
74	CREMPMAT	AB20b-EMPL PAID ALL/PART BOOKS/MTLS	N	2	165	166
75	CRSLFPAY	AB21-SELF-EMPLYD BUSINESS PAID COSTS	N	2	167	168
76	CRPIMPSK	AB22a-IMPROVED EXISTNG SKILL/KNOWLEDGE	N	2	169	170
77	CRPLRNSK	AB22b-LEARNED ENTIRELY NEW SKILLS	N	2	171	172
78	CRPINCR	AB22c-INCREASED EMPLOYABILITY	N	2	173	174
79	CRPADVNC	AB22d-IMPROVED ABILITY TO ADV IN CAREER	N	2	175	176
80	CRPNEWJB	AB22e-GOT NEW JOB/CHNG CAREER/OWN BUS	N	2	177	178
81	CRPMONEY	AB22f-MADE MORE MONEY	N	2	179	180
82	CRPOTH	AB22g-ANY OTHER OUTCOME	N	2	181	182
83	CRPOTCAT	SPECIFIED OTHER OUTCOME, CATEGORY CODES	N	2	183	184
84	CRVOC DIP	AC1-VOCATIONAL OR TECHNICAL PROGRAM	N	2	185	186
85	VOVOC	AC2-TYPE OF PRGM-VOCATIONAL DIPL-COUNT	N	2	187	188
86	VOTECH	AC2-TYPE OF PRGM-TECHNICAL DIPL-COUNT	N	2	189	190
87	VOASSOC	AC2-TYPE OF PRGM-ASSOCIATE'S-COUNT	N	2	191	192
88	VOOTH DIP	AC2-TYPE OF PRGM-OTHER-COUNT	N	2	193	194
89	VOWRREA1	AC4-TAKEN FOR WORK-RELATED REASONS 1	N	2	195	196
90	VOWRREA2	AC4-TAKEN FOR WORK-RELATED REASONS 2	N	2	197	198
91	VOWRREA3	AC4-TAKEN FOR WORK-RELATED REASONS 3	N	2	199	200
92	VORECENT	AC5-MOST RECENT WORK-REL VOC/TECH PRGM	N	2	201	202
93	VODIPLM	SELECTED VOC/TECH PROGRAM	N	2	203	204
94	VOCI PF	MAJOR FIELD OF STUDY	N	2	205	206
95	VOCURR	AC6-CURR ENROLLED,COMPLETED,STOPPED	N	2	207	208
96	VORSSKIL	AC7a-MAINTAIN/IMPROVE SKILLS/KNOWLEDGE	N	2	209	210
97	VORSNWSK	AC7b-LEARN NEW SKILLS/KNOWLEDGE	N	2	211	212
98	VORSEMP	AC7c-EMPLOYER REQUIRED/RECOMMENDED	N	2	213	214
99	VORSRAIS	AC7d-RECEIVE PROMOTION/PAY RAISE	N	2	215	216
100	VORSCHNG	AC7e-CHANGE JOB/ENTER WORKFCE/OWN BUS	N	2	217	218
101	VORSCERT	AC7f-GET/KEEP CERT/LICENSE	N	2	219	220
102	VORSOTH	AC7g-ANY OTHER REASON	N	2	221	222
103	VORSOCAT	SPECIFIED OTHER REASON, CATEGORY CODES	N	2	223	224
104	VOEXAM	AC8-TOOK TEST TO GET CERT/LICENSE	N	2	225	226
105	VOCERWN	AC9-CERTIFICATE MORE THAN 12 MONTHS AGO	N	2	227	228
106	VOCRCLHR	AC10-TOTAL CREDIT HRS ENROLLED	N	3	229	231
107	VOCRUNT	AC10-UNIT ENROLLED IN PRGM	N	2	232	233
108	VOINTNET	AC11-INSTR BY INTERNET/WWW	N	2	234	235
109	VOTUITON	AC12a-PERSONAL EXPENSE FOR TUITION/FEES	N	5	236	240
110	VOMATLS	AC12b-PERSONAL EXPENSE FOR BOOKS/MTLS	N	5	241	245
111	VOINCBK	AC13-TUITION/FEES INCLUDE BOOKS/MTLS	N	2	246	247
112	VOGOVSUP	AC14a-SUPPORT FROM LOCAL,STATE,FED GOVT	N	2	248	249
113	VOUNISUP	AC14b-SUPPORT FROM UNION	N	2	250	251
114	VOFNDSUP	AC14c-SUPPORT FROM PRIVATE FOUNDATIONS	N	2	252	253

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
115	VOORGSUP	AC14d-SUPPORT FROM PROF/TRADE ORG	N	2	254	255
116	VOCOMPM	AC15-VOC/TECH COMPLETION MONTH	N	2	256	257
117	VOCOMPPY	AC15-VOC/TECH COMPLETION YEAR	N	4	258	261
118	VOWORK	AC16-WORKED WHILE TAKE VOC/TECH	N	2	262	263
119	VOWRKPL	AC17-TOOK VOC/TECH AT WRKPLCE	N	2	264	265
120	VOWRKHR	AC18-TOOK VOC/TECH DURING WRK HOUR	N	2	266	267
121	VOEMPAID	AC19-PAID BY EMP WHILE TAKE PROGRAM	N	2	268	269
122	VOEMPTUI	AC20a-EMPL PAID ALL/PART TUITION/FEE	N	2	270	271
123	VOEMPMAT	AC20b-EMPL PAID ALL/PART BOOKS/MTLS	N	2	272	273
124	VOSLFPAY	AC21-SELF-EMPLYD BUSINESS PAID COSTS	N	2	274	275
125	VOIMPSPK	AC22a-IMPROVED EXISTNG SKILL/KNOWLEDGE	N	2	276	277
126	VOPLRNSK	AC22b-LEARNED ENTIRELY NEW SKILLS	N	2	278	279
127	VOPINCR	AC22c-INCREASED EMPLOYABILITY	N	2	280	281
128	VOPADVNC	AC22d-IMPROVED ABILITY TO ADV IN CAREER	N	2	282	283
129	VOPNEWJB	AC22e-GOT NEW JOB/CHNG CAREER/OWN BUS	N	2	284	285
130	VOPMONEY	AC22f-MADE MORE MONEY	N	2	286	287
131	VOPOTH	AC22g-ANY OTHER OUTCOME	N	2	288	289
132	VOPOTCAT	SPECIFIED OTHER OUTCOME, CATEGORY CODES	N	2	290	291
133	APPRENTI	AD1-APPRENTICESHIP PROGRAM	N	2	292	293
134	APCURR	AD3-CURR ENROLLED,COMPLETED,STOPPED	N	2	294	295
135	APEMPLOY	AD4a-EMPLOYER SPONSORED APPR	N	2	296	297
136	APUNION	AD4b-LABOR UNION SPONSORED APPR	N	2	298	299
137	APSTAGOV	AD4c-LOCAL OR STATE GOV SPONSORED APPR	N	2	300	301
138	APFEDGOV	AD4d-FED GOV SPONSORED APPR	N	2	302	303
139	APOTHER	AD4e-SOMEONE ELSE SPONSORED APPR	N	2	304	305
140	APRSSKIL	AD5a-MAINTAIN/IMPROVE SKILLS/KNOWLEDGE	N	2	306	307
141	APRSNSWK	AD5b-LEARN NEW SKILL/KNOWLEDGE	N	2	308	309
142	APRSEMP	AD5c-EMPLOYER REQUIRED/RECOMMENDED	N	2	310	311
143	APRSRAIS	AD5d-RECEIVE PROMOTION/PAY RAISE	N	2	312	313
144	APRSCHNG	AD5e-CHANGE JOB/ENTER WORKFCE/OWN BUS	N	2	314	315
145	APRSCERT	AD5f-GET/KEEP CERT/LICENSE	N	2	316	317
146	APRSOTH	AD5g-ANY OTHER REASON	N	2	318	319
147	APRSOCAT	SPECIFIED OTHER REASON, CATEGORY CODES	N	2	320	321
148	APEXAM	AD6-TOOK TEST TO GET CERT/LICENSE	N	2	322	323
149	APCERMO	AD7-RECEIVE CERT MORE THAN 1 YR AGO	N	2	324	325
150	APCLSHR	AD8-NUMBER OF CLASSROOM INSTRUCTION HRS	N	3	326	328
151	APWRKPL	AD9-TOOK CLASS AT WORKPLACE	N	2	329	330
152	APINTNET	AD10-INSTR BY INTERNET/WWW	N	2	331	332
153	APTUITON	AD11a-PERSONAL EXPENSE FOR TUITION/FEE	N	5	333	337
154	APMATLS	AD11b-PERSONAL EXPENSE FOR BOOKS/MTLS	N	5	338	342
155	APINCBK	AD12-TUITION/FEE INCLUDE BOOKS/MTLS	N	2	343	344
156	APGOVSUP	AD13a-SUPPORT LOCAL,STATE,FED GOVT	N	2	345	346
157	APUNISUP	AD13b-SUPPORT FROM UNION	N	2	347	348
158	APFNDSUP	AD13c-SUPPORT FROM PRIVATE FOUNDATIONS	N	2	349	350
159	APORGSUP	AD13d-SUPPORT FROM PROF/TRADE ORG	N	2	351	352
160	APCOMPMM	AD14-APPR PRGM COMPLETION MONTH	N	2	353	354
161	APCOMPYY	AD14-APPR PRGM COMPLETION YEAR	N	4	355	358
162	APEMPTUI	AD15a-EMPLOYER PAID ALL/PART TUITION/FEE	N	2	359	360
163	APEMPMAT	AD15b-EMPLOYER PAID ALL/PART BOOKS/MTLS	N	2	361	362
164	APSLFPAY	AD16-SELF-EMPLOY BUSINESS PAID COSTS	N	2	363	364
165	APPIMPSPK	AD17a-IMPROVED EXISTNG SKILL/KNOWLEDGE	N	2	365	366
166	APPLRNSK	AD17b-LEARNED ENTIRELY NEW SKILLS	N	2	367	368
167	APPINCR	AD17c-INCREASED EMPLOYABILITY	N	2	369	370
168	APPADVNC	AD17d-IMPROVED ABILITY TO ADV IN CAREER	N	2	371	372
169	APPNEWJB	AD17e-GOT NEW JOB/CHNG CAREER/OWN BUS	N	2	373	374
170	APPMONEY	AD17f-MADE MORE MONEY	N	2	375	376
171	APPOTH	AD17g-ANY OTHER OUTCOME	N	2	377	378



ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
172	APPOTCAT	SPECIFIED OTHER OUTCOME, CATEGORY CODES	N	2	379	380
173	WRACTY	AE1-TOOK ANY WORK-RELATED COURSES	N	2	381	382
174	WRACTOTH	AE2-ANY OTHER WORK-RELATED COURSES	N	2	383	384
175	WRCRS1	COURSE CODE	N	3	385	387
176	WRCURR1	AE4-CURR TAKING,COMPLETED,STOPPED	N	2	388	389
177	WRPRTYP1	AE5-TYPE OF INSTRUCTION PROVIDER	N	2	390	391
178	WRPRLC1	AE6-LOCATION OF INSTRUCTION PROVIDER	N	2	392	393
179	WRRSSKI1	AE7a-MAINTAIN/IMPROVE SKILLS/KNOWLEDGE	N	2	394	395
180	WRRSNWS1	AE7b-LEARN NEW SKILLS/KNOWLEDGE	N	2	396	397
181	WRRSEMP1	AE7c-EMPLOYER REQUIRED/RECOMMENDED	N	2	398	399
182	WRRSRAI1	AE7d-RECEIVE PROMOTION/PAY RAISE	N	2	400	401
183	WRRSCHN1	AE7e-CHANGE JOB/ENTER WORKFCE/OWN BUS	N	2	402	403
184	WRRSCER1	AE7f-GET/KEEP CERT/LICENSE	N	2	404	405
185	WRRSOTH1	AE7g-ANY OTHER REASON	N	2	406	407
186	WRRSOCA1	SPECIFIED OTHER REASON, CATEGORY CODES	N	2	408	409
187	WREXAM1	AE8-TOOK TEST TO GET CERT/LICENSE	N	2	410	411
188	WRCERMO1	AE9-RECEIVED CERT MORE THAN 1 YR AGO	N	2	412	413
189	WRCLSHR1	AE10-TOTAL HRS FOR TRAINING	N	3	414	416
190	WRINTNE1	AE11-INSTR BY INTERNET/WWW	N	2	417	418
191	WRTUITO1	AE12a-PERSONAL EXPENSE FOR TUITION/FEES	N	5	419	423
192	WRMATLS1	AE12b-PERSONAL EXPENSE FOR BOOKS/MTLS	N	5	424	428
193	WRINCBK1	AE13-TUITION/FEES INCLUDE BOOKS/MTLS	N	2	429	430
194	WRPIMPS1	AE14a-IMPROVED EXISTNG SKILL/KNOWLEDGE	N	2	431	432
195	WRPLRNS1	AE14b-LEARNED ENTIRELY NEW SKILLS	N	2	433	434
196	WRPINCR1	AE14c-INCREASED EMPLOYABILITY	N	2	435	436
197	WRPADVN1	AE14d-IMPROVED ABILITY TO ADV IN CAREER	N	2	437	438
198	WRPNEWJ1	AE14e-GOT NEW JOB/CHNG CAREER/OWN BUS	N	2	439	440
199	WRPMONE1	AE14f-MADE MORE MONEY	N	2	441	442
200	WRPOTH1	AE14g-ANY OTHER OUTCOME	N	2	443	444
201	WRPOTCA1	SPECIFIED OTHER OUTCOME, CATEGORY CODES	N	2	445	446
202	WRUSEFU1	AE15-HOW USEFUL SKILLS/KNOWLEDGE LEARNED	N	2	447	448
203	WRUSED1	AE16-USED SKILLS/KNOWLEDGE AT WORK YET	N	2	449	450
204	WRGOVSU1	AE17a-SUPPORT FROM LOCAL,STATE,FED GOVT	N	2	451	452
205	WRUNISU1	AE17b-SUPPORT FROM UNIONS	N	2	453	454
206	WRFNDSU1	AE17c-SUPPORT FROM PRIVATE FOUNDATIONS	N	2	455	456
207	WRORGSU1	AE17d-SUPPORT FROM PROF/TRADE ORG	N	2	457	458
208	WRCRS2	COURSE CODE	N	3	459	461
209	WRCURR2	AE4-CURR TAKING,COMPLETED,STOPPED	N	2	462	463
210	WRPRTYP2	AE5-TYPE OF INSTRUCTION PROVIDER	N	2	464	465
211	WRPRLC2	AE6-LOCATION OF INSTRUCTION PROVIDER	N	2	466	467
212	WRRSSKI2	AE7a-MAINTAIN/IMPROVE SKILLS/KNOWLEDGE	N	2	468	469
213	WRRSNWS2	AE7b-LEARN NEW SKILLS/KNOWLEDGE	N	2	470	471
214	WRRSEMP2	AE7c-EMPLOYER REQUIRED/RECOMMENDED	N	2	472	473
215	WRRSRAI2	AE7d-RECEIVE PROMOTION/PAY RAISE	N	2	474	475
216	WRRSCHN2	AE7e-CHANGE JOB/ENTER WORKFCE/OWN BUS	N	2	476	477
217	WRRSCER2	AE7f-GET/KEEP CERT/LICENSE	N	2	478	479
218	WRRSOTH2	AE7g-ANY OTHER REASON	N	2	480	481
219	WRRSOCA2	SPECIFIED OTHER REASON, CATEGORY CODES	N	2	482	483
220	WREXAM2	AE8-TOOK TEST TO GET CERT/LICENSE	N	2	484	485
221	WRCERMO2	AE9-RECEIVED CERT MORE THAN 1 YR AGO	N	2	486	487
222	WRCLSHR2	AE10-TOTAL HRS FOR TRAINING	N	3	488	490
223	WRINTNE2	AE11-INSTR BY INTERNET/WWW	N	2	491	492
224	WRTUITO2	AE12a-PERSONAL EXPENSE FOR TUITION/FEES	N	5	493	497
225	WRMATLS2	AE12b-PERSONAL EXPENSE FOR BOOKS/MTLS	N	5	498	502
226	WRINCBK2	AE13-TUITION/FEES INCLUDE BOOKS/MTLS	N	2	503	504
227	WRPIMPS2	AE14a-IMPROVED EXISTNG SKILL/KNOWLEDGE	N	2	505	506
228	WRPLRNS2	AE14b-LEARNED ENTIRELY NEW SKILLS	N	2	507	508

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
229	WRPINC2	AE14c-INCREASED EMPLOYABILITY	N	2	509	510
230	WRPADVN2	AE14d-IMPROVED ABILITY TO ADV IN CAREER	N	2	511	512
231	WRPNEWJ2	AE14e-GOT NEW JOB/CHNG CAREER/OWN BUS	N	2	513	514
232	WRPMONE2	AE14f-MADE MORE MONEY	N	2	515	516
233	WRPOTH2	AE14g-ANY OTHER OUTCOME	N	2	517	518
234	WRPOTCA2	SPECIFIED OTHER OUTCOME, CATEGORY CODES	N	2	519	520
235	WRUSEFU2	AE15-HOW USEFUL SKILLS/KNOWLEDGE LEARNED	N	2	521	522
236	WRUSED2	AE16-USED SKILLS/KNOWLEDGE AT WORK YET	N	2	523	524
237	WRGOVSU2	AE17a-SUPPORT FROM LOCAL,STATE,FED GOVT	N	2	525	526
238	WRUNISU2	AE17b-SUPPORT FROM UNIONS	N	2	527	528
239	WRFNDSU2	AE17c-SUPPORT FROM PRIVATE FOUNDATIONS	N	2	529	530
240	WRORGSU2	AE17d-SUPPORT FROM PROF/TRADE ORG	N	2	531	532
241	WRCRS3	COURSE CODE	N	3	533	535
242	WRCURR3	AE4-CURR TAKING,COMPLETED,STOPPED	N	2	536	537
243	WRPRTYP3	AE5-TYPE OF INSTRUCTION PROVIDER	N	2	538	539
244	WRPRLC3	AE6-LOCATION OF INSTRUCTION PROVIDER	N	2	540	541
245	WRRSSK13	AE7a-MAINTAIN/IMPROVE SKILLS/KNOWLEDGE	N	2	542	543
246	WRRSNWS3	AE7b-LEARN NEW SKILLS/KNOWLEDGE	N	2	544	545
247	WRRSEMP3	AE7c-EMPLOYER REQUIRED/RECOMMENDED	N	2	546	547
248	WRRSRAI3	AE7d-RECEIVE PROMOTION/PAY RAISE	N	2	548	549
249	WRRSCHN3	AE7e-CHANGE JOB/ENTER WORKFCE/OWN BUS	N	2	550	551
250	WRRSCER3	AE7f-GET/KEEP CERT/LICENSE	N	2	552	553
251	WRRSOTH3	AE7g-ANY OTHER REASON	N	2	554	555
252	WRRSOCA3	SPECIFIED OTHER REASON, CATEGORY CODES	N	2	556	557
253	WREXAM3	AE8-TOOK TEST TO GET CERT/LICENSE	N	2	558	559
254	WRCERMO3	AE9-RECEIVED CERT MORE THAN 1 YR AGO	N	2	560	561
255	WRCLSHR3	AE10-TOTAL HRS FOR TRAINING	N	3	562	564
256	WRINTNE3	AE11-INSTR BY INTERNET/WWW	N	2	565	566
257	WRTUITO3	AE12a-PERSONAL EXPENSE FOR TUITION/FEES	N	5	567	571
258	WRMATLS3	AE12b-PERSONAL EXPENSE FOR BOOKS/MTLS	N	5	572	576
259	WRINCBK3	AE13-TUITION/FEES INCLUDE BOOKS/MTLS	N	2	577	578
260	WRPIMPS3	AE14a-IMPROVED EXISTNG SKILL/KNOWLEDGE	N	2	579	580
261	WRPLRNS3	AE14b-LEARNED ENTIRELY NEW SKILLS	N	2	581	582
262	WRPINC3	AE14c-INCREASED EMPLOYABILITY	N	2	583	584
263	WRPADVN3	AE14d-IMPROVED ABILITY TO ADV IN CAREER	N	2	585	586
264	WRPNEWJ3	AE14e-GOT NEW JOB/CHNG CAREER/OWN BUS	N	2	587	588
265	WRPMONE3	AE14f-MADE MORE MONEY	N	2	589	590
266	WRPOTH3	AE14g-ANY OTHER OUTCOME	N	2	591	592
267	WRPOTCA3	SPECIFIED OTHER OUTCOME, CATEGORY CODES	N	2	593	594
268	WRUSEFU3	AE15-HOW USEFUL SKILLS/KNOWLEDGE LEARNED	N	2	595	596
269	WRUSED3	AE16-USED SKILLS/KNOWLEDGE AT WORK YET	N	2	597	598
270	WRGOVSU3	AE17a-SUPPORT FROM LOCAL,STATE,FED GOVT	N	2	599	600
271	WRUNISU3	AE17b-SUPPORT FROM UNIONS	N	2	601	602
272	WRFNDSU3	AE17c-SUPPORT FROM PRIVATE FOUNDATIONS	N	2	603	604
273	WRORGSU3	AE17d-SUPPORT FROM PROF/TRADE ORG	N	2	605	606
274	WRCRS4	COURSE CODE	N	3	607	609
275	WRCURR4	AE4-CURR TAKING,COMPLETED,STOPPED	N	2	610	611
276	WRPRTYP4	AE5-TYPE OF INSTRUCTION PROVIDER	N	2	612	613
277	WRPRLC4	AE6-LOCATION OF INSTRUCTION PROVIDER	N	2	614	615
278	WRRSSK14	AE7a-MAINTAIN/IMPROVE SKILLS/KNOWLEDGE	N	2	616	617
279	WRRSNWS4	AE7b-LEARN NEW SKILLS/KNOWLEDGE	N	2	618	619
280	WRRSEMP4	AE7c-EMPLOYER REQUIRED/RECOMMENDED	N	2	620	621
281	WRRSRAI4	AE7d-RECEIVE PROMOTION/PAY RAISE	N	2	622	623
282	WRRSCHN4	AE7e-CHANGE JOB/ENTER WORKFCE/OWN BUS	N	2	624	625
283	WRRSCER4	AE7f-GET/KEEP CERT/LICENSE	N	2	626	627
284	WRRSOTH4	AE7g-ANY OTHER REASON	N	2	628	629
285	WRRSOCA4	SPECIFIED OTHER REASON, CATEGORY CODES	N	2	630	631

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
286	WREXAM4	AE8-TOOK TEST TO GET CERT/LICENSE	N	2	632	633
287	WRCERMO4	AE9-RECEIVED CERT MORE THAN 1 YR AGO	N	2	634	635
288	WRCLSHR4	AE10-TOTAL HRS FOR TRAINING	N	3	636	638
289	WRINTNE4	AE11-INSTR BY INTERNET/WWW	N	2	639	640
290	WRTUITO4	AE12a-PERSONAL EXPENSE FOR TUITION/FEES	N	5	641	645
291	WRMATLS4	AE12b-PERSONAL EXPENSE FOR BOOKS/MTLS	N	5	646	650
292	WRINCBK4	AE13-TUITION/FEES INCLUDE BOOKS/MTLS	N	2	651	652
293	WRPIMPS4	AE14a-IMPROVED EXISTNG SKILL/KNOWLEDGE	N	2	653	654
294	WRPLRNS4	AE14b-LEARNED ENTIRELY NEW SKILLS	N	2	655	656
295	WRPINCR4	AE14c-INCREASED EMPLOYABILITY	N	2	657	658
296	WRPADVN4	AE14d-IMPROVED ABILITY TO ADV IN CAREER	N	2	659	660
297	WRPNEWJ4	AE14e-GOT NEW JOB/CHNG CAREER/OWN BUS	N	2	661	662
298	WRPMONE4	AE14f-MADE MORE MONEY	N	2	663	664
299	WRPOTH4	AE14g-ANY OTHER OUTCOME	N	2	665	666
300	WRPOTCA4	SPECIFIED OTHER OUTCOME, CATEGORY CODES	N	2	667	668
301	WRUSEFU4	AE15-HOW USEFUL SKILLS/KNOWLEDGE LEARNED	N	2	669	670
302	WRUSED4	AE16-USED SKILLS/KNOWLEDGE AT WORK YET	N	2	671	672
303	WRGOVSU4	AE17a-SUPPORT FROM LOCAL,STATE,FED GOVT	N	2	673	674
304	WRUNISU4	AE17b-SUPPORT FROM UNIONS	N	2	675	676
305	WRFNDSU4	AE17c-SUPPORT FROM PRIVATE FOUNDATIONS	N	2	677	678
306	WRORGSU4	AE17d-SUPPORT FROM PROF/TRADE ORG	N	2	679	680
307	WROCOLL	AE18a-TAUGHT BY COLLEGE OR UNIVERSITY	N	2	681	682
308	WROTKCOL	AE18b-TAKEN AT COLLEGE OR UNIVERSITY	N	2	683	684
309	WROWWWW	AE18c-TAKEN THRU INTERNET OR WWW	N	2	685	686
310	WROCERT	AE18d-TO GET/KEEP CERT/LICENSE	N	2	687	688
311	WRCEU1	AE19a-RECEIVED CEU'S FOR 1ST CRSE	N	2	689	690
312	WRCEU2	AE19b-RECEIVED CEU'S FOR 2ND CRSE	N	2	691	692
313	WRCEU3	AE19c-RECEIVED CEU'S FOR 3RD CRSE	N	2	693	694
314	WRCEU4	AE19d-RECEIVED CEU'S FOR 4TH CRSE	N	2	695	696
315	WROCEU	AE19e-RECEIVED CEU'S FOR ANY OTH CRSES	N	2	697	698
316	WRPROVE1	AE20a-EMPLOYER PROVIDED INST FOR 1ST CRS	N	2	699	700
317	WRPROVE2	AE20b-EMPLOYER PROVIDED INST FOR 2ND CRS	N	2	701	702
318	WRPROVE3	AE20c-EMPLOYER PROVIDED INST FOR 3RD CRS	N	2	703	704
319	WRPROVE4	AE20d-EMPLOYER PROVIDED INST FOR 4TH CRS	N	2	705	706
320	WROPROVE	AE20e-EMPLOYER PROVIDED INST FOR OTH CRS	N	2	707	708
321	WRWRKPL1	AE21a-TOOK 1ST CRSE AT WORKPLACE	N	2	709	710
322	WRWRKPL2	AE21b-TOOK 2ND CRSE AT WORKPLACE	N	2	711	712
323	WRWRKPL3	AE21c-TOOK 3RD CRSE AT WORKPLACE	N	2	713	714
324	WRWRKPL4	AE21d-TOOK 4TH CRSE AT WORKPLACE	N	2	715	716
325	WROWRKPL	AE21e-TOOK OTH CRSE AT WORKPLACE	N	2	717	718
326	WRWRKHR1	AE22a-TOOK 1ST CRSE DURING WORK HRS	N	2	719	720
327	WRWRKHR2	AE22b-TOOK 2ND CRSE DURING WORK HRS	N	2	721	722
328	WRWRKHR3	AE22c-TOOK 3RD CRSE DURING WORK HRS	N	2	723	724
329	WRWRKHR4	AE22d-TOOK 4TH CRSE DURING WORK HRS	N	2	725	726
330	WROWRKHR	AE22e-TOOK OTH CRSE DURING WRK HRS	N	2	727	728
331	WREMPAI1	AE23a-BEING PAID WHILE TAKING 1ST CRSE	N	2	729	730
332	WREMPAI2	AE23b-BEING PAID WHILE TAKING 2ND CRSE	N	2	731	732
333	WREMPAI3	AE23c-BEING PAID WHILE TAKING 3RD CRSE	N	2	733	734
334	WREMPAI4	AE23d-BEING PAID WHILE TAKING 4TH CRSE	N	2	735	736
335	WROEMPAI	AE23e-BEING PAID WHILE TAKING OTH CRSES	N	2	737	738
336	WREMPU1	AE24a-EMPLOYER PAID FOR 1ST CRSE	N	2	739	740
337	WREMPU2	AE24b-EMPLOYER PAID FOR 2ND CRSE	N	2	741	742
338	WREMPU3	AE24c-EMPLOYER PAID FOR 3RD CRSE	N	2	743	744
339	WREMPU4	AE24d-EMPLOYER PAID FOR 4TH CRSE	N	2	745	746
340	WROEMPTU	AE24e-EMPLOYER PAID FOR OTH CRSES	N	2	747	748
341	WREMPMA1	AE25a-EMPLYR PAID BOOKS/MATL FOR 1ST CRS	N	2	749	750
342	WREMPMA2	AE25b-EMPLYR PAID BOOKS/MATL FOR 2ND CRS	N	2	751	752

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
343	WREMPMA3	AE25c-EMPLYR PAID BOOKS/MATL FOR 3RD CRS	N	2	753	754
344	WREMPMA4	AE25d-EMPLYR PAID BOOKS/MATL FOR 4TH CRS	N	2	755	756
345	WROEMPMA	AE25e-EMPLYR PAID BOOKS/MATL FOR OTH CRS	N	2	757	758
346	WRSLFPA1	AE26a-PAY FOR 1ST CRSE THRU SELF-EMPL	N	2	759	760
347	WRSLFPA2	AE26b-PAY FOR 2ND CRSE THRU SELF-EMPL	N	2	761	762
348	WRSLFPA3	AE26c-PAY FOR 3RD CRSE THRU SELF-EMPL	N	2	763	764
349	WRSLFPA4	AE26d-PAY FOR 4TH CRSE THRU SELF-EMPL	N	2	765	766
350	WROSLFPA	AE26e-PAY FOR OTH CRSES THRU SELF-EMPL	N	2	767	768
351	WNINTRST	AF1-INTEREST IN TAKING TRAINING COURSES	N	2	769	770
352	WNLOOK	AF2-LOOKED FOR INFO ON TRAINING,WRKSHOPS	N	2	771	772
353	WNENOUGH	AF3a-ENOUGH TRAINING TO DO JOB WELL	N	2	773	774
354	WNSUPER	AF3b-SUPERVISOR SUPPORT/ENCOURAGE	N	2	775	776
355	WNREQ	AF3c-JOB/WORK REQUIRES ADDITIONAL TRAIN	N	2	777	778
356	WNFINBEN	AF3d-FINANCIAL BENEFIT MORE TRAINING	N	2	779	780
357	WNAHEAD	AF3e-MORE TRAINING HELP GET AHEAD	N	2	781	782
358	WNTUIT	AF4a-TUITION REIMBURSEMENT BENEFITS	N	2	783	784
359	WNMATL	AF4b-REIMBURSEMENT FOR BOOKS/MTLS	N	2	785	786
360	WNTIME	AF4c-TIME TO TAKE TRAINING WHILE PAID	N	2	787	788
361	WNWRKPL	AF4d-TRAINING AT WORKPLACE	N	2	789	790
362	ILDEMO	AG1a-ON-THE-JOB DEMONSTRATIONS	N	2	791	792
363	ILSUPTR	AG1b-RECEIVED SUPERVISED TRAINING	N	2	793	794
364	ILSELF	AG1c-SELF-PACED STUDY-BOOKS/MANUALS	N	2	795	796
365	ILCOMP	AG1d-SELF-PACED STUDY-COMPUTER SOFTWARE	N	2	797	798
366	ILBBAG	AG1e-BROWN-BAG OR INFORMAL PRESENTATION	N	2	799	800
367	ILCONF	AG1f-CONFERENCES OR CONVENTIONS	N	2	801	802
368	ILCERT	AG2-GET/KEEP CERT/LICENSE	N	2	803	804
369	ILEXAM	AG3-TOOK EXAM TO GET CERT/LICENSE	N	2	805	806
370	ILCERMO	AG4-RECEIVED CERT MORE THAN 1 YR AGO	N	2	807	808
371	ILTIME	AG5-WHEN DID LESS-FORMAL ACTIVITIES	N	2	809	810
372	ILPIMPSK	AG6a-IMPROVED EXISTNG SKILL/KNOWLEDGE	N	2	811	812
373	ILPLRNSK	AG6b-LEARNED ENTIRELY NEW SKILLS	N	2	813	814
374	ILPINCR	AG6c-INCREASED EMPLOYABILITY	N	2	815	816
375	ILPADVNC	AG6d-IMPROVED ABILITY TO ADV IN CAREER	N	2	817	818
376	ILPNEWJB	AG6e-GOT NEW JOB/CHNG CAREER/OWN BUS	N	2	819	820
377	ILPMONEY	AG6f-MADE MORE MONEY	N	2	821	822
378	ILPOTH	AG6g-ANY OTHER OUTCOME	N	2	823	824
379	ILPOTCAT	SPECIFIED OTHER OUTCOME, CATEGORY CODES	N	2	825	826
380	ADOBMM	AH1-MONTH OF BIRTH	N	2	827	828
381	ADOBYY	AH1-YEAR OF BIRTH	N	4	829	832
382	ARACE	AH2-RACE	N	2	833	834
383	AOTHRACE	AH3-OTHER RACE	N	2	835	836
384	AHISPANI	AH4-HISPANIC ORIGIN	N	2	837	838
385	AMARSTAT	AH5-CURRENT MARITAL STATUS	N	2	839	840
386	ALIVWITH	AH6-LIVING WITH PARTNER	N	2	841	842
387	ABORNUS	AH7-COUNTRY OF ORIGIN	N	2	843	844
388	IBSPEAK	AH8-LANGUAGE SPOKEN MOST AT HOME NOW	N	2	845	846
389	ASPWRK	AH9-LANG SPOKEN MOST AT WORK	N	2	847	848
390	AMOMGRD	AH10-HIGHEST GRADE MOTHER COMPLETED	N	2	849	850
391	ADADGRD	AH11-HIGHEST GRADE FATHER COMPLETED	N	2	851	852
392	IBWORK	AH12-WORKED LAST WEEK	N	2	853	854
393	IBLEAVE	AH13-ON LEAVE OR VACATION LAST WEEK	N	2	855	856
394	PAYHRS	AH14-HOURS PER WEEK WORKED FOR PAY	N	2	857	858
395	IBWORKMO	AH15-MONTHS WORKED FOR PAY IN PAST YEAR	N	2	859	860
396	JOBLOOK	AH16-LOOKING FOR WORK IN PAST 4 WEEKS	N	2	861	862
397	JOBAGN	AH17a-CHECKED WITH EMPLOYMENT AGENCY	N	2	863	864
398	JOBEMPL	AH17b-CHECKED WITH EMPLOYER DIRECTLY	N	2	865	866
399	JOBREL	AH17c-CHECKED WITH FRIENDS OR RELATIVES	N	2	867	868

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
400	JOBANSAD	AH17d-PLACED OR ANSWERED JOB ADS	N	2	869	870
401	JOBACTY	AH18-MAIN ACT DONE MOST OF LAST WEEK	N	2	871	872
402	JOBEVER	AH19-EVER WORKED AT A JOB FOR PAY	N	2	873	874
403	JOBLSTYY	AH20-YEAR LAST WORKED FOR PAY OR INCOME	N	4	875	878
404	JOBNXTYR	AH21-PLAN TO WORK FOR PAY NEXT YEAR	N	2	879	880
405	FNAICS	INDUSTRY CODE (NAICS)	N	2	881	882
406	FSOC	OCCUPATION CODE (SOC)	N	2	883	884
407	AOWNBUS	AH22A-RESPONDENT'S OWN BUSINESS	N	2	885	886
408	CUREMP	AH24-CURRENTLY EMPLOYED	N	2	887	888
409	CUREMPYR	AH25-NUMBER OF YEARS WORKED FOR EMPLOYER	N	2	889	890
410	RETIREYR	AH26-PLAN TO RETIRE IN NEXT YEAR	N	2	891	892
411	NUMPEEP	AH27-EMPLOYER SIZE	N	2	893	894
412	EARNAMT	AH28-AMOUNT OF EARNINGS	N	9	895	903
413	EARNUNT	AH28-UNIT OF EARNINGS	N	2	904	905
414	CONTREQ	AH29-CONTINUING EDUCATION REQUIREMENT	N	2	906	907
415	AENROL	AH30-ENROLLED IN SCHOOL	N	2	908	909
416	LABUNION	AH31-MEM OF LABOR UNION OR ORGANIZATI	N	2	910	911
417	UNIONCON	AH32-COVERED BY UNION CONTRACT	N	2	912	913
418	GILIFE	AH33a-HEARD LIFETIME LEARNING TAX CREDIT	N	2	914	915
419	GIHOPE	AH33b-HEARD HOPE SCHOLARSHIP TAX CREDIT	N	2	916	917
420	GILIFUS	AH34-USE LIFETIME LEARNING TAX CREDIT	N	2	918	919
421	GIHOPUS	AH35-USE HOPE SCHOLARSHIP TAX CREDIT	N	2	920	921
422	HOWNHOM	AI1-OWN, RENT HOME/OTHR ARRANGEMNT	N	2	922	923
423	HOTHNUM	AI2-OTHR PHONE NMBRS/HOME USE	N	2	924	925
424	HNUMUSE	AI4-# OF OTHR PHONE NMBRS/HOME USE	N	2	926	927
425	COMPHOME	AI9-COMPUTER AT HOME	N	2	928	929
426	WEBHOME	AI10-ACCESS TO INTERNET AT HOME	N	2	930	931
427	HINCMRNG	AI12-TOTAL HH INCOME RANGE	N	2	932	933
428	HINCM50K	AI12OV-HH INCOME BELOW//ABOVE \$50K	N	2	934	935
429	HINCOME	AI12OV-TOTAL HH INCOME RANGE 2	N	2	936	937
430	HINCMEXT	AI12OV2-EXACT HH INC NRST \$1000	N	5	938	942
431	AELABOR	D-LABOR FORCE STATUS	N	2	943	944
432	AEWORK	D-ANY WORK-RELATED FORMAL ADULT EDUC	N	2	945	946
433	CENREG	D-CENSUS REGION	N	2	947	948
434	COLEMSUP	D-EMPLOYER SUPPORT FOR COLLEGE PROGRAMS	N	2	949	950
435	CRVOSUPP	D-EMPLOYER SUPPORT FOR COL OR VOC PRGRMS	N	2	951	952
436	CRVOWORK	D-ANY COL OR VOC PROGRAMS	N	2	953	954
437	EDUCLEVL	D-HIGHEST LEVEL OF EDUCATION	N	2	955	956
438	EMPSUP	D-EMPLYR SUPPORT FOR ANY WORK-RELATED AE	N	2	957	958
439	HH18OVER	D-NUMBER OF HH MEMBERS 18 AND OLDER	N	2	959	960
440	HHTOTAL	D-TOTAL NUMBER OF HOUSEHOLD MEMBERS	N	2	961	962
441	HHUNDR6	D-# OF HH MEMBERS YOUNGER THAN AGE 6	N	2	963	964
442	HHUNDR13	D-# OF HH MEMBERS YOUNGER THAN AGE 13	N	2	965	966
443	HHUNDR18	D-# OF HH MEMBERS YOUNGER THAN AGE 18	N	2	967	968
444	HHUNDR21	D-# OF HH MEMBERS YOUNGER THAN AGE 21	N	2	969	970
445	HIGHEDUC	D-HIGHEST DEGREE OR CREDENTIAL OBTAINED	N	2	971	972
446	OCCGRP	D-OCCUPATION GROUP	N	2	973	974
447	RACEETHN	D-RACE/ETHNICITY	N	2	975	976
448	RACEETH2	D-RACE/ETHNICITY-2	N	2	977	978
449	VOEMSUP	D-EMPLOYER SUPPORT FOR VOC/TECH PROGRAMS	N	2	979	980
450	WREMSUP	D-EMPLOYER SUPPORT FOR WORK-RELATED CRS	N	2	981	982
451	WRNEW	D-TOTAL NUM OF CRS FOR WORK-REL REASONS	N	2	983	984
452	WRTIME	D-TOTAL HOURS OF WORK-RELATED COURSES	N	6	985	990
453	ZIP18PO2	D-PERCENT UNDER 18 BELOW POVERTY LINE	N	2	991	992
454	ZIPBLHI2	D-PERCENT BLACK OR HISPANIC	N	2	993	994
455	ZIPURBAN	D-LIVE INSIDE, OUTSIDE URBANIZED AREA	N	2	995	996
456	FAWT	FINAL AEWR INTV WEIGHT	N	10	997	1006

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
457	WRWGT	WORK-RELATED COURSE WEIGHTING FACTOR	N	4	1007	1010
458	FAWT1	FINAL AEWB INTV WEIGHT, REPL1	N	10	1011	1020
459	FAWT2	FINAL AEWB INTV WEIGHT, REPL2	N	10	1021	1030
460	FAWT3	FINAL AEWB INTV WEIGHT, REPL3	N	10	1031	1040
461	FAWT4	FINAL AEWB INTV WEIGHT, REPL4	N	10	1041	1050
462	FAWT5	FINAL AEWB INTV WEIGHT, REPL5	N	10	1051	1060
463	FAWT6	FINAL AEWB INTV WEIGHT, REPL6	N	10	1061	1070
464	FAWT7	FINAL AEWB INTV WEIGHT, REPL7	N	10	1071	1080
465	FAWT8	FINAL AEWB INTV WEIGHT, REPL8	N	10	1081	1090
466	FAWT9	FINAL AEWB INTV WEIGHT, REPL9	N	10	1091	1100
467	FAWT10	FINAL AEWB INTV WEIGHT, REPL10	N	10	1101	1110
468	FAWT11	FINAL AEWB INTV WEIGHT, REPL11	N	10	1111	1120
469	FAWT12	FINAL AEWB INTV WEIGHT, REPL12	N	10	1121	1130
470	FAWT13	FINAL AEWB INTV WEIGHT, REPL13	N	10	1131	1140
471	FAWT14	FINAL AEWB INTV WEIGHT, REPL14	N	10	1141	1150
472	FAWT15	FINAL AEWB INTV WEIGHT, REPL15	N	10	1151	1160
473	FAWT16	FINAL AEWB INTV WEIGHT, REPL16	N	10	1161	1170
474	FAWT17	FINAL AEWB INTV WEIGHT, REPL17	N	10	1171	1180
475	FAWT18	FINAL AEWB INTV WEIGHT, REPL18	N	10	1181	1190
476	FAWT19	FINAL AEWB INTV WEIGHT, REPL19	N	10	1191	1200
477	FAWT20	FINAL AEWB INTV WEIGHT, REPL20	N	10	1201	1210
478	FAWT21	FINAL AEWB INTV WEIGHT, REPL21	N	10	1211	1220
479	FAWT22	FINAL AEWB INTV WEIGHT, REPL22	N	10	1221	1230
480	FAWT23	FINAL AEWB INTV WEIGHT, REPL23	N	10	1231	1240
481	FAWT24	FINAL AEWB INTV WEIGHT, REPL24	N	10	1241	1250
482	FAWT25	FINAL AEWB INTV WEIGHT, REPL25	N	10	1251	1260
483	FAWT26	FINAL AEWB INTV WEIGHT, REPL26	N	10	1261	1270
484	FAWT27	FINAL AEWB INTV WEIGHT, REPL27	N	10	1271	1280
485	FAWT28	FINAL AEWB INTV WEIGHT, REPL28	N	10	1281	1290
486	FAWT29	FINAL AEWB INTV WEIGHT, REPL29	N	10	1291	1300
487	FAWT30	FINAL AEWB INTV WEIGHT, REPL30	N	10	1301	1310
488	FAWT31	FINAL AEWB INTV WEIGHT, REPL31	N	10	1311	1320
489	FAWT32	FINAL AEWB INTV WEIGHT, REPL32	N	10	1321	1330
490	FAWT33	FINAL AEWB INTV WEIGHT, REPL33	N	10	1331	1340
491	FAWT34	FINAL AEWB INTV WEIGHT, REPL34	N	10	1341	1350
492	FAWT35	FINAL AEWB INTV WEIGHT, REPL35	N	10	1351	1360
493	FAWT36	FINAL AEWB INTV WEIGHT, REPL36	N	10	1361	1370
494	FAWT37	FINAL AEWB INTV WEIGHT, REPL37	N	10	1371	1380
495	FAWT38	FINAL AEWB INTV WEIGHT, REPL38	N	10	1381	1390
496	FAWT39	FINAL AEWB INTV WEIGHT, REPL39	N	10	1391	1400
497	FAWT40	FINAL AEWB INTV WEIGHT, REPL40	N	10	1401	1410
498	FAWT41	FINAL AEWB INTV WEIGHT, REPL41	N	10	1411	1420
499	FAWT42	FINAL AEWB INTV WEIGHT, REPL42	N	10	1421	1430
500	FAWT43	FINAL AEWB INTV WEIGHT, REPL43	N	10	1431	1440
501	FAWT44	FINAL AEWB INTV WEIGHT, REPL44	N	10	1441	1450
502	FAWT45	FINAL AEWB INTV WEIGHT, REPL45	N	10	1451	1460
503	FAWT46	FINAL AEWB INTV WEIGHT, REPL46	N	10	1461	1470
504	FAWT47	FINAL AEWB INTV WEIGHT, REPL47	N	10	1471	1480
505	FAWT48	FINAL AEWB INTV WEIGHT, REPL48	N	10	1481	1490
506	FAWT49	FINAL AEWB INTV WEIGHT, REPL49	N	10	1491	1500
507	FAWT50	FINAL AEWB INTV WEIGHT, REPL50	N	10	1501	1510
508	FAWT51	FINAL AEWB INTV WEIGHT, REPL51	N	10	1511	1520
509	FAWT52	FINAL AEWB INTV WEIGHT, REPL52	N	10	1521	1530
510	FAWT53	FINAL AEWB INTV WEIGHT, REPL53	N	10	1531	1540
511	FAWT54	FINAL AEWB INTV WEIGHT, REPL54	N	10	1541	1550
512	FAWT55	FINAL AEWB INTV WEIGHT, REPL55	N	10	1551	1560
513	FAWT56	FINAL AEWB INTV WEIGHT, REPL56	N	10	1561	1570

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
514	FAWT57	FINAL AEWV INTV WEIGHT, REPL57	N	10	1571	1580
515	FAWT58	FINAL AEWV INTV WEIGHT, REPL58	N	10	1581	1590
516	FAWT59	FINAL AEWV INTV WEIGHT, REPL59	N	10	1591	1600
517	FAWT60	FINAL AEWV INTV WEIGHT, REPL60	N	10	1601	1610
518	FAWT61	FINAL AEWV INTV WEIGHT, REPL61	N	10	1611	1620
519	FAWT62	FINAL AEWV INTV WEIGHT, REPL62	N	10	1621	1630
520	FAWT63	FINAL AEWV INTV WEIGHT, REPL63	N	10	1631	1640
521	FAWT64	FINAL AEWV INTV WEIGHT, REPL64	N	10	1641	1650
522	FAWT65	FINAL AEWV INTV WEIGHT, REPL65	N	10	1651	1660
523	FAWT66	FINAL AEWV INTV WEIGHT, REPL66	N	10	1661	1670
524	FAWT67	FINAL AEWV INTV WEIGHT, REPL67	N	10	1671	1680
525	FAWT68	FINAL AEWV INTV WEIGHT, REPL68	N	10	1681	1690
526	FAWT69	FINAL AEWV INTV WEIGHT, REPL69	N	10	1691	1700
527	FAWT70	FINAL AEWV INTV WEIGHT, REPL70	N	10	1701	1710
528	FAWT71	FINAL AEWV INTV WEIGHT, REPL71	N	10	1711	1720
529	FAWT72	FINAL AEWV INTV WEIGHT, REPL72	N	10	1721	1730
530	FAWT73	FINAL AEWV INTV WEIGHT, REPL73	N	10	1731	1740
531	FAWT74	FINAL AEWV INTV WEIGHT, REPL74	N	10	1741	1750
532	FAWT75	FINAL AEWV INTV WEIGHT, REPL75	N	10	1751	1760
533	FAWT76	FINAL AEWV INTV WEIGHT, REPL76	N	10	1761	1770
534	FAWT77	FINAL AEWV INTV WEIGHT, REPL77	N	10	1771	1780
535	FAWT78	FINAL AEWV INTV WEIGHT, REPL78	N	10	1781	1790
536	FAWT79	FINAL AEWV INTV WEIGHT, REPL79	N	10	1791	1800
537	FAWT80	FINAL AEWV INTV WEIGHT, REPL80	N	10	1801	1810
538	APSU	PSU FOR TAYLOR SERIES VAR ESTIMATION	N	5	1811	1815
539	ASTRATUM	STRATUM FOR TAYLOR SERIES VAR ESTIMATION	N	2	1816	1817
540	AGF1	IMPUTATION FLAG	N	2	1818	1819
541	SEF1	IMPUTATION FLAG	N	2	1820	1821
542	AGF2	IMPUTATION FLAG	N	2	1822	1823
543	SEF2	IMPUTATION FLAG	N	2	1824	1825
544	AGF3	IMPUTATION FLAG	N	2	1826	1827
545	SEF3	IMPUTATION FLAG	N	2	1828	1829
546	AGF4	IMPUTATION FLAG	N	2	1830	1831
547	AGF5	IMPUTATION FLAG	N	2	1832	1833
548	IBGRADF	IMPUTATION FLAG	N	2	1834	1835
549	IBGRAF1	IMPUTATION FLAG	N	2	1836	1837
550	IBGRAF2	IMPUTATION FLAG	N	2	1838	1839
551	IBVOCDF	IMPUTATION FLAG	N	2	1840	1841
552	IBDIPF	IMPUTATION FLAG	N	2	1842	1843
553	IBHSREF	IMPUTATION FLAG	N	2	1844	1845
554	IBWORF12	IMPUTATION FLAG	N	2	1846	1847
555	IBSELFEF	IMPUTATION FLAG	N	2	1848	1849
556	IBOTHEMF	IMPUTATION FLAG	N	2	1850	1851
557	IBEMPNUF	IMPUTATION FLAG	N	2	1852	1853
558	CRDEGREF	IMPUTATION FLAG	N	2	1854	1855
559	CRTYASF	IMPUTATION FLAG	N	2	1856	1857
560	CRTYBCF	IMPUTATION FLAG	N	2	1858	1859
561	CRTYMAF	IMPUTATION FLAG	N	2	1860	1861
562	CRTYDOF	IMPUTATION FLAG	N	2	1862	1863
563	CRTYPFF	IMPUTATION FLAG	N	2	1864	1865
564	CRPOSBAF	IMPUTATION FLAG	N	2	1866	1867
565	CRPOSMAF	IMPUTATION FLAG	N	2	1868	1869
566	CRPOSDOF	IMPUTATION FLAG	N	2	1870	1871
567	CRTYOTF	IMPUTATION FLAG	N	2	1872	1873
568	CRWRREF1	IMPUTATION FLAG	N	2	1874	1875
569	CRDIPLOF	IMPUTATION FLAG	N	2	1876	1877
570	CRCURF	IMPUTATION FLAG	N	2	1878	1879

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
571	CRRSSKIF	IMPUTATION FLAG	N	2	1880	1881
572	CRRSNWSF	IMPUTATION FLAG	N	2	1882	1883
573	CRRSEMF	IMPUTATION FLAG	N	2	1884	1885
574	CRRSRAIF	IMPUTATION FLAG	N	2	1886	1887
575	CRRSCHNF	IMPUTATION FLAG	N	2	1888	1889
576	CRRSCERF	IMPUTATION FLAG	N	2	1890	1891
577	CRRSOTF	IMPUTATION FLAG	N	2	1892	1893
578	CREXAF	IMPUTATION FLAG	N	2	1894	1895
579	CRCERMF	IMPUTATION FLAG	N	2	1896	1897
580	CRCRDHF	IMPUTATION FLAG	N	2	1898	1899
581	CRCRUNF	IMPUTATION FLAG	N	2	1900	1901
582	CRINTNEF	IMPUTATION FLAG	N	2	1902	1903
583	CRTUITOF	IMPUTATION FLAG	N	2	1904	1905
584	CRMATLF	IMPUTATION FLAG	N	2	1906	1907
585	CRGOVSUF	IMPUTATION FLAG	N	2	1908	1909
586	CRUNISUF	IMPUTATION FLAG	N	2	1910	1911
587	CRFNDSUF	IMPUTATION FLAG	N	2	1912	1913
588	CRORGSUF	IMPUTATION FLAG	N	2	1914	1915
589	CRCOMP MF	IMPUTATION FLAG	N	2	1916	1917
590	CRCOMPYF	IMPUTATION FLAG	N	2	1918	1919
591	CRWORF	IMPUTATION FLAG	N	2	1920	1921
592	CRWRKPF	IMPUTATION FLAG	N	2	1922	1923
593	CRWRKHF	IMPUTATION FLAG	N	2	1924	1925
594	CREMPAIF	IMPUTATION FLAG	N	2	1926	1927
595	CREMPTUF	IMPUTATION FLAG	N	2	1928	1929
596	CREMPMAF	IMPUTATION FLAG	N	2	1930	1931
597	CRSLFPAF	IMPUTATION FLAG	N	2	1932	1933
598	CRPIMPSF	IMPUTATION FLAG	N	2	1934	1935
599	CRPLRNSF	IMPUTATION FLAG	N	2	1936	1937
600	CRPINCF	IMPUTATION FLAG	N	2	1938	1939
601	CRPADVNF	IMPUTATION FLAG	N	2	1940	1941
602	CRPNEWJF	IMPUTATION FLAG	N	2	1942	1943
603	CRPMONEF	IMPUTATION FLAG	N	2	1944	1945
604	CRPOTF	IMPUTATION FLAG	N	2	1946	1947
605	CRVOC DIF	IMPUTATION FLAG	N	2	1948	1949
606	VOVOF	IMPUTATION FLAG	N	2	1950	1951
607	VOTE CF	IMPUTATION FLAG	N	2	1952	1953
608	VOASSOF	IMPUTATION FLAG	N	2	1954	1955
609	VOOTH DIF	IMPUTATION FLAG	N	2	1956	1957
610	VOWRREF1	IMPUTATION FLAG	N	2	1958	1959
611	VOWRREF2	IMPUTATION FLAG	N	2	1960	1961
612	VOWRREF3	IMPUTATION FLAG	N	2	1962	1963
613	VODIPLOF	IMPUTATION FLAG	N	2	1964	1965
614	VOCURF	IMPUTATION FLAG	N	2	1966	1967
615	VORSSKIF	IMPUTATION FLAG	N	2	1968	1969
616	VORSNWSF	IMPUTATION FLAG	N	2	1970	1971
617	VORSEMF	IMPUTATION FLAG	N	2	1972	1973
618	VORSRAIF	IMPUTATION FLAG	N	2	1974	1975
619	VORSCHNF	IMPUTATION FLAG	N	2	1976	1977
620	VORSCERF	IMPUTATION FLAG	N	2	1978	1979
621	VORSOTF	IMPUTATION FLAG	N	2	1980	1981
622	VOEXAF	IMPUTATION FLAG	N	2	1982	1983
623	VOCERWF	IMPUTATION FLAG	N	2	1984	1985
624	VOCRCLHF	IMPUTATION FLAG	N	2	1986	1987
625	VOCRUNF	IMPUTATION FLAG	N	2	1988	1989
626	VOINTNEF	IMPUTATION FLAG	N	2	1990	1991
627	VOTUITOF	IMPUTATION FLAG	N	2	1992	1993



ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
628	VOMATLF	IMPUTATION FLAG	N	2	1994	1995
629	VOGOVSUF	IMPUTATION FLAG	N	2	1996	1997
630	VOUNISUF	IMPUTATION FLAG	N	2	1998	1999
631	VOFNDSUF	IMPUTATION FLAG	N	2	2000	2001
632	VOORGSUF	IMPUTATION FLAG	N	2	2002	2003
633	VOCOMPMF	IMPUTATION FLAG	N	2	2004	2005
634	VOCOMPYF	IMPUTATION FLAG	N	2	2006	2007
635	VOWORF	IMPUTATION FLAG	N	2	2008	2009
636	VOEMPTUF	IMPUTATION FLAG	N	2	2010	2011
637	VOEMPMF	IMPUTATION FLAG	N	2	2012	2013
638	VOSLFPF	IMPUTATION FLAG	N	2	2014	2015
639	VOIIMPSF	IMPUTATION FLAG	N	2	2016	2017
640	VOPLRNSF	IMPUTATION FLAG	N	2	2018	2019
641	VOPINCF	IMPUTATION FLAG	N	2	2020	2021
642	VOPADVNF	IMPUTATION FLAG	N	2	2022	2023
643	VOPNEWJF	IMPUTATION FLAG	N	2	2024	2025
644	VOPMONEF	IMPUTATION FLAG	N	2	2026	2027
645	VOPOTF	IMPUTATION FLAG	N	2	2028	2029
646	APPRENTF	IMPUTATION FLAG	N	2	2030	2031
647	APCURF	IMPUTATION FLAG	N	2	2032	2033
648	APUNIOF	IMPUTATION FLAG	N	2	2034	2035
649	APSTAGOF	IMPUTATION FLAG	N	2	2036	2037
650	APFEDGOF	IMPUTATION FLAG	N	2	2038	2039
651	APOTHEF	IMPUTATION FLAG	N	2	2040	2041
652	APRSOTF	IMPUTATION FLAG	N	2	2042	2043
653	APCLSHF	IMPUTATION FLAG	N	2	2044	2045
654	APWRKPF	IMPUTATION FLAG	N	2	2046	2047
655	APTUITOF	IMPUTATION FLAG	N	2	2048	2049
656	APMATLF	IMPUTATION FLAG	N	2	2050	2051
657	APGOVSUF	IMPUTATION FLAG	N	2	2052	2053
658	APORGSUF	IMPUTATION FLAG	N	2	2054	2055
659	APCOMPMF	IMPUTATION FLAG	N	2	2056	2057
660	APCOMPYF	IMPUTATION FLAG	N	2	2058	2059
661	APEMPTUF	IMPUTATION FLAG	N	2	2060	2061
662	APPINCF	IMPUTATION FLAG	N	2	2062	2063
663	APPADVNF	IMPUTATION FLAG	N	2	2064	2065
664	APPMONEF	IMPUTATION FLAG	N	2	2066	2067
665	WRACRF	IMPUTATION FLAG	N	2	2068	2069
666	WRACOTF	IMPUTATION FLAG	N	2	2070	2071
667	WRRCRF1	IMPUTATION FLAG	N	2	2072	2073
668	WRRCURF1	IMPUTATION FLAG	N	2	2074	2075
669	WRPRTYF1	IMPUTATION FLAG	N	2	2076	2077
670	WRPRLOF1	IMPUTATION FLAG	N	2	2078	2079
671	WRRSSKF1	IMPUTATION FLAG	N	2	2080	2081
672	WRRSNWF1	IMPUTATION FLAG	N	2	2082	2083
673	WRRSEMF1	IMPUTATION FLAG	N	2	2084	2085
674	WRRSRAF1	IMPUTATION FLAG	N	2	2086	2087
675	WRRSCHF1	IMPUTATION FLAG	N	2	2088	2089
676	WRRSCEF1	IMPUTATION FLAG	N	2	2090	2091
677	WRRSOTF1	IMPUTATION FLAG	N	2	2092	2093
678	WREXAF1	IMPUTATION FLAG	N	2	2094	2095
679	WRCERMF1	IMPUTATION FLAG	N	2	2096	2097
680	WRCLSHF1	IMPUTATION FLAG	N	2	2098	2099
681	WRINTNF1	IMPUTATION FLAG	N	2	2100	2101
682	WRTUITF1	IMPUTATION FLAG	N	2	2102	2103
683	WRMATLF1	IMPUTATION FLAG	N	2	2104	2105
684	WRINCBF1	IMPUTATION FLAG	N	2	2106	2107

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
685	WRPIMPF1	IMPUTATION FLAG	N	2	2108	2109
686	WRPLRNF1	IMPUTATION FLAG	N	2	2110	2111
687	WRPINCF1	IMPUTATION FLAG	N	2	2112	2113
688	WRPADVF1	IMPUTATION FLAG	N	2	2114	2115
689	WRPNEWF1	IMPUTATION FLAG	N	2	2116	2117
690	WRPMONF1	IMPUTATION FLAG	N	2	2118	2119
691	WRPOTF1	IMPUTATION FLAG	N	2	2120	2121
692	WRUSEFF1	IMPUTATION FLAG	N	2	2122	2123
693	WRUSEF1	IMPUTATION FLAG	N	2	2124	2125
694	WRGOVSF1	IMPUTATION FLAG	N	2	2126	2127
695	WRUNISF1	IMPUTATION FLAG	N	2	2128	2129
696	WRFNDSF1	IMPUTATION FLAG	N	2	2130	2131
697	WRORGSF1	IMPUTATION FLAG	N	2	2132	2133
698	WRCURF2	IMPUTATION FLAG	N	2	2134	2135
699	WRPRTYF2	IMPUTATION FLAG	N	2	2136	2137
700	WRPRLOF2	IMPUTATION FLAG	N	2	2138	2139
701	WRRSSKF2	IMPUTATION FLAG	N	2	2140	2141
702	WRRSNWF2	IMPUTATION FLAG	N	2	2142	2143
703	WRRSEMF2	IMPUTATION FLAG	N	2	2144	2145
704	WRRSRAF2	IMPUTATION FLAG	N	2	2146	2147
705	WRRSCHF2	IMPUTATION FLAG	N	2	2148	2149
706	WRRSCEF2	IMPUTATION FLAG	N	2	2150	2151
707	WRRSOTF2	IMPUTATION FLAG	N	2	2152	2153
708	WREXAF2	IMPUTATION FLAG	N	2	2154	2155
709	WRCERMF2	IMPUTATION FLAG	N	2	2156	2157
710	WRCLSHF2	IMPUTATION FLAG	N	2	2158	2159
711	WRINTNF2	IMPUTATION FLAG	N	2	2160	2161
712	WRTUITF2	IMPUTATION FLAG	N	2	2162	2163
713	WRMATLF2	IMPUTATION FLAG	N	2	2164	2165
714	WRINCBF2	IMPUTATION FLAG	N	2	2166	2167
715	WRPIMPF2	IMPUTATION FLAG	N	2	2168	2169
716	WRPLRNF2	IMPUTATION FLAG	N	2	2170	2171
717	WRPINCF2	IMPUTATION FLAG	N	2	2172	2173
718	WRPADVF2	IMPUTATION FLAG	N	2	2174	2175
719	WRPNEWF2	IMPUTATION FLAG	N	2	2176	2177
720	WRPMONF2	IMPUTATION FLAG	N	2	2178	2179
721	WRPOTF2	IMPUTATION FLAG	N	2	2180	2181
722	WRUSEFF2	IMPUTATION FLAG	N	2	2182	2183
723	WRUSEF2	IMPUTATION FLAG	N	2	2184	2185
724	WRGOVSF2	IMPUTATION FLAG	N	2	2186	2187
725	WRUNISF2	IMPUTATION FLAG	N	2	2188	2189
726	WRFNDSF2	IMPUTATION FLAG	N	2	2190	2191
727	WRORGSF2	IMPUTATION FLAG	N	2	2192	2193
728	WRCURF3	IMPUTATION FLAG	N	2	2194	2195
729	WRPRTYF3	IMPUTATION FLAG	N	2	2196	2197
730	WRPRLOF3	IMPUTATION FLAG	N	2	2198	2199
731	WRRSSKF3	IMPUTATION FLAG	N	2	2200	2201
732	WRRSNWF3	IMPUTATION FLAG	N	2	2202	2203
733	WRRSEMF3	IMPUTATION FLAG	N	2	2204	2205
734	WRRSRAF3	IMPUTATION FLAG	N	2	2206	2207
735	WRRSCHF3	IMPUTATION FLAG	N	2	2208	2209
736	WRRSCEF3	IMPUTATION FLAG	N	2	2210	2211
737	WRRSOTF3	IMPUTATION FLAG	N	2	2212	2213
738	WREXAF3	IMPUTATION FLAG	N	2	2214	2215
739	WRCERMF3	IMPUTATION FLAG	N	2	2216	2217
740	WRCLSHF3	IMPUTATION FLAG	N	2	2218	2219
741	WRINTNF3	IMPUTATION FLAG	N	2	2220	2221

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
742	WRTUITF3	IMPUTATION FLAG	N	2	2222	2223
743	WRMATLF3	IMPUTATION FLAG	N	2	2224	2225
744	WRPIMPF3	IMPUTATION FLAG	N	2	2226	2227
745	WRPLRNF3	IMPUTATION FLAG	N	2	2228	2229
746	WRPINCF3	IMPUTATION FLAG	N	2	2230	2231
747	WRPADVF3	IMPUTATION FLAG	N	2	2232	2233
748	WRPNEWF3	IMPUTATION FLAG	N	2	2234	2235
749	WRPMONF3	IMPUTATION FLAG	N	2	2236	2237
750	WRPOTF3	IMPUTATION FLAG	N	2	2238	2239
751	WRUSEFF3	IMPUTATION FLAG	N	2	2240	2241
752	WRUSEF3	IMPUTATION FLAG	N	2	2242	2243
753	WRGOVSF3	IMPUTATION FLAG	N	2	2244	2245
754	WRUNISF3	IMPUTATION FLAG	N	2	2246	2247
755	WRFNDSF3	IMPUTATION FLAG	N	2	2248	2249
756	WRORGSF3	IMPUTATION FLAG	N	2	2250	2251
757	WRCURF4	IMPUTATION FLAG	N	2	2252	2253
758	WRPRTYF4	IMPUTATION FLAG	N	2	2254	2255
759	WRPRLOF4	IMPUTATION FLAG	N	2	2256	2257
760	WRRSSKF4	IMPUTATION FLAG	N	2	2258	2259
761	WRRSNWF4	IMPUTATION FLAG	N	2	2260	2261
762	WRRSEMF4	IMPUTATION FLAG	N	2	2262	2263
763	WRRSRAF4	IMPUTATION FLAG	N	2	2264	2265
764	WRRSCHF4	IMPUTATION FLAG	N	2	2266	2267
765	WRRSCEF4	IMPUTATION FLAG	N	2	2268	2269
766	WRRSOTF4	IMPUTATION FLAG	N	2	2270	2271
767	WREXAF4	IMPUTATION FLAG	N	2	2272	2273
768	WRCERMF4	IMPUTATION FLAG	N	2	2274	2275
769	WRCLSHF4	IMPUTATION FLAG	N	2	2276	2277
770	WRINTNF4	IMPUTATION FLAG	N	2	2278	2279
771	WRTUITF4	IMPUTATION FLAG	N	2	2280	2281
772	WRMATLF4	IMPUTATION FLAG	N	2	2282	2283
773	WRPIMPF4	IMPUTATION FLAG	N	2	2284	2285
774	WRPLRNF4	IMPUTATION FLAG	N	2	2286	2287
775	WRPINCF4	IMPUTATION FLAG	N	2	2288	2289
776	WRPADVF4	IMPUTATION FLAG	N	2	2290	2291
777	WRPNEWF4	IMPUTATION FLAG	N	2	2292	2293
778	WRPMONF4	IMPUTATION FLAG	N	2	2294	2295
779	WRPOTF4	IMPUTATION FLAG	N	2	2296	2297
780	WRUSEFF4	IMPUTATION FLAG	N	2	2298	2299
781	WRUSEF4	IMPUTATION FLAG	N	2	2300	2301
782	WRGOVSF4	IMPUTATION FLAG	N	2	2302	2303
783	WRUNISF4	IMPUTATION FLAG	N	2	2304	2305
784	WRFNDSF4	IMPUTATION FLAG	N	2	2306	2307
785	WRORGSF4	IMPUTATION FLAG	N	2	2308	2309
786	WROCOLF	IMPUTATION FLAG	N	2	2310	2311
787	WROTKCOF	IMPUTATION FLAG	N	2	2312	2313
788	WROWWF	IMPUTATION FLAG	N	2	2314	2315
789	WROCERF	IMPUTATION FLAG	N	2	2316	2317
790	WRCEF1	IMPUTATION FLAG	N	2	2318	2319
791	WRCEF2	IMPUTATION FLAG	N	2	2320	2321
792	WRCEF3	IMPUTATION FLAG	N	2	2322	2323
793	WRCEF4	IMPUTATION FLAG	N	2	2324	2325
794	WROCEF	IMPUTATION FLAG	N	2	2326	2327
795	WRPROVF1	IMPUTATION FLAG	N	2	2328	2329
796	WRPROVF2	IMPUTATION FLAG	N	2	2330	2331
797	WRPROVF3	IMPUTATION FLAG	N	2	2332	2333
798	WRPROVF4	IMPUTATION FLAG	N	2	2334	2335

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
799	WROPROVF	IMPUTATION FLAG	N	2	2336	2337
800	WRWRKPF1	IMPUTATION FLAG	N	2	2338	2339
801	WRWRKPF2	IMPUTATION FLAG	N	2	2340	2341
802	WRWRKPF3	IMPUTATION FLAG	N	2	2342	2343
803	WRWRKPF4	IMPUTATION FLAG	N	2	2344	2345
804	WROWRKPF	IMPUTATION FLAG	N	2	2346	2347
805	WRWRKHF1	IMPUTATION FLAG	N	2	2348	2349
806	WRWRKHF2	IMPUTATION FLAG	N	2	2350	2351
807	WRWRKHF3	IMPUTATION FLAG	N	2	2352	2353
808	WRWRKHF4	IMPUTATION FLAG	N	2	2354	2355
809	WROWRKHF	IMPUTATION FLAG	N	2	2356	2357
810	WREMPAF1	IMPUTATION FLAG	N	2	2358	2359
811	WREMPAF2	IMPUTATION FLAG	N	2	2360	2361
812	WREMPAF3	IMPUTATION FLAG	N	2	2362	2363
813	WREMPAF4	IMPUTATION FLAG	N	2	2364	2365
814	WROEMPAF	IMPUTATION FLAG	N	2	2366	2367
815	WREMPF1	IMPUTATION FLAG	N	2	2368	2369
816	WREMPF2	IMPUTATION FLAG	N	2	2370	2371
817	WREMPF3	IMPUTATION FLAG	N	2	2372	2373
818	WREMPF4	IMPUTATION FLAG	N	2	2374	2375
819	WROEMPTF	IMPUTATION FLAG	N	2	2376	2377
820	WREMPMF1	IMPUTATION FLAG	N	2	2378	2379
821	WREMPMF2	IMPUTATION FLAG	N	2	2380	2381
822	WREMPMF3	IMPUTATION FLAG	N	2	2382	2383
823	WREMPMF4	IMPUTATION FLAG	N	2	2384	2385
824	WROEMPMF	IMPUTATION FLAG	N	2	2386	2387
825	WRSLFPF1	IMPUTATION FLAG	N	2	2388	2389
826	WRSLFPF2	IMPUTATION FLAG	N	2	2390	2391
827	WRSLFPF3	IMPUTATION FLAG	N	2	2392	2393
828	WNINRSF	IMPUTATION FLAG	N	2	2394	2395
829	WNLOOF	IMPUTATION FLAG	N	2	2396	2397
830	WNENOUGF	IMPUTATION FLAG	N	2	2398	2399
831	WNSUPEF	IMPUTATION FLAG	N	2	2400	2401
832	WNREF	IMPUTATION FLAG	N	2	2402	2403
833	WNFINBEF	IMPUTATION FLAG	N	2	2404	2405
834	WNAHEAF	IMPUTATION FLAG	N	2	2406	2407
835	WNTUIF	IMPUTATION FLAG	N	2	2408	2409
836	WNMATF	IMPUTATION FLAG	N	2	2410	2411
837	WNTIMF	IMPUTATION FLAG	N	2	2412	2413
838	WNWRKPF	IMPUTATION FLAG	N	2	2414	2415
839	ILDEMF	IMPUTATION FLAG	N	2	2416	2417
840	ILSUPTF	IMPUTATION FLAG	N	2	2418	2419
841	ILSEFF	IMPUTATION FLAG	N	2	2420	2421
842	ILCOMF	IMPUTATION FLAG	N	2	2422	2423
843	ILBBAF	IMPUTATION FLAG	N	2	2424	2425
844	ILCOFF	IMPUTATION FLAG	N	2	2426	2427
845	ILCERF	IMPUTATION FLAG	N	2	2428	2429
846	ILEXAF	IMPUTATION FLAG	N	2	2430	2431
847	ILCERMF	IMPUTATION FLAG	N	2	2432	2433
848	ILTIMF	IMPUTATION FLAG	N	2	2434	2435
849	ILPIMPSF	IMPUTATION FLAG	N	2	2436	2437
850	ILPLRNSF	IMPUTATION FLAG	N	2	2438	2439
851	ILPINCF	IMPUTATION FLAG	N	2	2440	2441
852	ILPADVNF	IMPUTATION FLAG	N	2	2442	2443
853	ILPNEWJF	IMPUTATION FLAG	N	2	2444	2445
854	ILPMONEF	IMPUTATION FLAG	N	2	2446	2447
855	ILPOTF	IMPUTATION FLAG	N	2	2448	2449

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
856	ADOBMF	IMPUTATION FLAG	N	2	2450	2451
857	ADOBYF	IMPUTATION FLAG	N	2	2452	2453
858	ARACF	IMPUTATION FLAG	N	2	2454	2455
859	AOTHRACF	IMPUTATION FLAG	N	2	2456	2457
860	AHISPANF	IMPUTATION FLAG	N	2	2458	2459
861	AMARSTAF	IMPUTATION FLAG	N	2	2460	2461
862	ALIVWITF	IMPUTATION FLAG	N	2	2462	2463
863	ABORNUF	IMPUTATION FLAG	N	2	2464	2465
864	IBSPEAF	IMPUTATION FLAG	N	2	2466	2467
865	ASPWRF	IMPUTATION FLAG	N	2	2468	2469
866	AMOMGRF	IMPUTATION FLAG	N	2	2470	2471
867	ADADGRF	IMPUTATION FLAG	N	2	2472	2473
868	IBWORF	IMPUTATION FLAG	N	2	2474	2475
869	IBLEAVF	IMPUTATION FLAG	N	2	2476	2477
870	PAYHRF	IMPUTATION FLAG	N	2	2478	2479
871	IBWORKMF	IMPUTATION FLAG	N	2	2480	2481
872	JOBLOOF	IMPUTATION FLAG	N	2	2482	2483
873	JOBAGF	IMPUTATION FLAG	N	2	2484	2485
874	JOBEMPF	IMPUTATION FLAG	N	2	2486	2487
875	JOBREF	IMPUTATION FLAG	N	2	2488	2489
876	JOBANSAF	IMPUTATION FLAG	N	2	2490	2491
877	JOBACTF	IMPUTATION FLAG	N	2	2492	2493
878	JOBEVEF	IMPUTATION FLAG	N	2	2494	2495
879	JOBLSTYF	IMPUTATION FLAG	N	2	2496	2497
880	JOBNXTYF	IMPUTATION FLAG	N	2	2498	2499
881	FNAICF	IMPUTATION FLAG	N	2	2500	2501
882	FEOF	IMPUTATION FLAG	N	2	2502	2503
883	CUREMF	IMPUTATION FLAG	N	2	2504	2505
884	CUREMPYF	IMPUTATION FLAG	N	2	2506	2507
885	RETIREF	IMPUTATION FLAG	N	2	2508	2509
886	NUMPEEF	IMPUTATION FLAG	N	2	2510	2511
887	EARNAMF	IMPUTATION FLAG	N	2	2512	2513
888	EARNUNF	IMPUTATION FLAG	N	2	2514	2515
889	CONTREF	IMPUTATION FLAG	N	2	2516	2517
890	AENROF	IMPUTATION FLAG	N	2	2518	2519
891	LABUNIOF	IMPUTATION FLAG	N	2	2520	2521
892	UNIONCOF	IMPUTATION FLAG	N	2	2522	2523
893	GILIFF	IMPUTATION FLAG	N	2	2524	2525
894	GIHOPF	IMPUTATION FLAG	N	2	2526	2527
895	GILIFUF	IMPUTATION FLAG	N	2	2528	2529
896	GIHOPUF	IMPUTATION FLAG	N	2	2530	2531
897	HOWNHOMF	IMPUTATION FLAG	N	2	2532	2533
898	HOTHNUF	IMPUTATION FLAG	N	2	2534	2535
899	HNUMUSF	IMPUTATION FLAG	N	2	2536	2537
900	COMPHOMF	IMPUTATION FLAG	N	2	2538	2539
901	WEBHOMF	IMPUTATION FLAG	N	2	2540	2541
902	HINCMRNF	IMPUTATION FLAG	N	2	2542	2543
903	HINCM50F	IMPUTATION FLAG	N	2	2544	2545
904	HINCOMF	IMPUTATION FLAG	N	2	2546	2547
905	HINCMEFX	IMPUTATION FLAG	N	2	2548	2549

## **APPENDIX D**

### **SAS CODE FOR DERIVED VARIABLES**

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SAS code for derived variables is below, with the exception HHTOTAL, which is created prior to the creation of the public-use data file, and linked variables (ZIP18PO2, ZIPBLHI2, and ZIPURBAN), which used the respondent's ZIP Code to extract data from the 2000 Census of Population Summary File 3.

**/\* AELABOR \*/**

```
IF ((IBWORK = 1 | IBLEAVE = 1) & PAYHRS GE 35) THEN AELABOR = 1;
ELSE IF ((IBWORK = 1 | IBLEAVE = 1) & PAYHRS LT 35) THEN AELABOR = 2;
ELSE IF ((JOBLOOK = 1) & (JOBAGN = 1 | JOBEMPL = 1 | JOBREL = 1 |
      JOBANSAD = 1)) THEN AELABOR = 3;
ELSE AELABOR = 4;
```

**/\* AEWORk \*/**

```
IF (CRWRREA1 = 1 | CRWRREA2 = 1 | CRWRREA3 = 1) OR
   (VOWRREA1 = 1 | VOWRREA2 = 1 | VOWRREA3 = 1) OR
   APPRENTI = 1 OR (WRACTY = 1 | WRACTOTH = 1) THEN AEWORk = 1;
ELSE AEWORk = 0;
```

**/\* CENREG \*/**

NOTE: The variable used to create CENREG, i.e., PHONSTAT, does not appear on the public-use data file.

```
IF PHONSTAT in('PA' 'NY' 'NJ' 'CT' 'RI' 'MA' 'VT' 'NH' 'ME') then CENREG = '1';
ELSE IF PHONSTAT in('OK' 'TX' 'MS' 'AL' 'TN' 'KY' 'WV' 'MD' 'DE' 'DC' 'VA' 'NC' 'SC' 'GA' 'FL' 'LA'
  'AR') then CENREG = '2';
ELSE IF PHONSTAT in('ND' 'SD' 'NE' 'KS' 'MN' 'IA' 'MO' 'WI' 'IL' 'MI' 'IN' 'OH') then CENREG = '3';
ELSE IF PHONSTAT in('WA' 'OR' 'CA' 'NV' 'AZ' 'NM' 'UT' 'CO' 'WY' 'ID' 'MT' 'AK' 'HI') then
  CENREG = '4';
```

**/\* COLEMSUP \*/**

```
IF (CRWRREA1 NE 1 & CRWRREA2 NE 1 & CRWRREA3 NE 1) THEN COLEMSUP = -1;
ELSE IF (CRWRKPL = 1 | CRWRKHR = 1 | CREMPAID = 1 | CREMPTUI = 1 | CREMPMAT = 1)
  THEN COLEMSUP = 1;
ELSE COLEMSUP= 0;
```

**/\* CRVOSUPP \*/**

```
IF (CRWRREA1 NE 1 & CRWRREA2 NE 1 & CRWRREA3 NE 1) & (VOWRREA1 NE 1 &
  VOWRREA2 NE 1 & VOWRREA3 NE 1) THEN CRVOSUPP = -1;
ELSE IF (CRWRKPL = 1 | CRWRKHR = 1 | CREMPAID = 1 | CREMPTUI = 1 | CREMPMAT = 1) OR
  (VOWRKPL = 1 | VOWRKHR = 1 | VOEMPAID = 1 | VOEMPTUI = 1 | VOEMPMAT = 1) THEN
  CRVOSUPP = 1;
ELSE CRVOSUPP= 0;
```



**/\* CRVWORK \*/**

IF (CRWRREA1 = 1 | CRWRREA2 = 1 | CRWRREA3 = 1) OR  
(VOWRREA1 = 1 | VOWRREA2 = 1 | VOWRREA3 = 1) THEN CRVWORK = 1;  
ELSE CRVWORK = 0;

**/\* EDUCLEVL \*/**

IF (IBGRADE < 4 & IBDIPL = 2) THEN EDUCLEVL = 1;  
ELSE IF (IBGRADE = 4 | (IBGRADE < 4 & IBDIPL = 1)) THEN EDUCLEVL = 2;  
ELSE IF 5 <= IBGRADE <= 8 THEN EDUCLEVL = 3;  
ELSE IF IBGRADE >= 9 THEN EDUCLEVL = 4;

**/\* EMPSUP \*/**

NOTE: The derived variables COLEMSUP, VOEMSUP, and WREMSUP were used in the creation of EMPSUP.

IF (CRWRREA1 NE 1 & CRWRREA2 NE 1 & CRWRREA3 NE 1) &  
(VOWRREA1 NE 1 & VOWRREA2 NE 1 & VOWRREA3 NE 1) &  
(WRACTY = 2 & WRACTOTH = 2) THEN EMPSUP = -1;  
ELSE IF (COLEMSUP = 1 | VOEMSUP = 1 | WREMSUP = 1) THEN EMPSUP = 1;  
ELSE EMPSUP = 0;

**/\* HH18OVER \*/**

If AAGE2002 GE 18 then ADLT18UP = 1; else ADLT18UP = 0;  
If AGE1 GE 18 then AG18UP1 = 1; else AG18UP1 = 0;  
If AGE2 GE 18 then AG18UP2 = 1; else AG18UP2 = 0;  
If AGE3 GE 18 then AG18UP3 = 1; else AG18UP3 = 0;  
If AGE4 GE 18 then AG18UP4 = 1; else AG18UP4 = 0;  
If AGE5 GE 18 then AG18UP5 = 1; else AG18UP5 = 0;  
If AGE6 GE 18 then AG18UP6 = 1; else AG18UP6 = 0;  
If AGE7 GE 18 then AG18UP7 = 1; else AG18UP7 = 0;  
HH18OVER = (ADLT18UP + AG18UP1 + AG18UP2 + AG18UP3 + AG18UP4 + AG18UP5 +  
AG18UP6 + AG18UP7);

**/\* HHUNDR6 \*/**

If 0 <= AGE1 < 6 then AG1LT6 = 1; else AG1LT6 = 0;  
If 0 <= AGE2 < 6 then AG2LT6 = 1; else AG2LT6 = 0;  
If 0 <= AGE3 < 6 then AG3LT6 = 1; else AG3LT6 = 0;  
If 0 <= AGE4 < 6 then AG4LT6 = 1; else AG4LT6 = 0;  
If 0 <= AGE5 < 6 then AG5LT6 = 1; else AG5LT6 = 0;  
If 0 <= AGE6 < 6 then AG6LT6 = 1; else AG6LT6 = 0;  
If 0 <= AGE7 < 6 then AG7LT6 = 1; else AG7LT6 = 0;  
  
HHUNDR6 = (AG1LT6 + AG2LT6 + AG3LT6 + AG4LT6 + AG5LT6 + AG6LT6 +  
AG7LT6);

**/\* HHUNDR13 \*/**

If 0 <= AGE1 < 13 then AG1LT13 = 1; else AG1LT13 = 0;  
If 0 <= AGE2 < 13 then AG2LT13 = 1; else AG2LT13 = 0;  
If 0 <= AGE3 < 13 then AG3LT13 = 1; else AG3LT13 = 0;  
If 0 <= AGE4 < 13 then AG4LT13 = 1; else AG4LT13 = 0;  
If 0 <= AGE5 < 13 then AG5LT13 = 1; else AG5LT13 = 0;  
If 0 <= AGE6 < 13 then AG6LT13 = 1; else AG6LT13 = 0;  
If 0 <= AGE7 < 13 then AG7LT13 = 1; else AG7LT13 = 0;

HHUNDR13 = (AG1LT13 + AG2LT13 + AG3LT13 + AG4LT13 + AG5LT13 + AG6LT13 +  
AG7LT13);

**/\* HHUNDR18 \*/**

If AAGE2002 < 18 then ADLTLT18 = 1; else ADLTLT18 = 0;  
If 0 <= AGE1 < 18 then AG1LT18 = 1; else AG1LT18 = 0;  
If 0 <= AGE2 < 18 then AG2LT18 = 1; else AG2LT18 = 0;  
If 0 <= AGE3 < 18 then AG3LT18 = 1; else AG3LT18 = 0;  
If 0 <= AGE4 < 18 then AG4LT18 = 1; else AG4LT18 = 0;  
If 0 <= AGE5 < 18 then AG5LT18 = 1; else AG5LT18 = 0;  
If 0 <= AGE6 < 18 then AG6LT18 = 1; else AG6LT18 = 0;  
If 0 <= AGE7 < 18 then AG7LT18 = 1; else AG7LT18 = 0;

HHUNDR18 = (ADLTLT18 + AG1LT18 + AG2LT18 + AG3LT18 + AG4LT18 + AG5LT18 +  
AG6LT18 + AG7LT18);

**/\* HHUNDR21 \*/**

If 0 <= AAGE2002 < 21 then ADLTLT21 = 1; else ADLTLT21 = 0;  
If 0 <= AGE1 < 21 then AG1LT21 = 1; else AG1LT21 = 0;  
If 0 <= AGE2 < 21 then AG2LT21 = 1; else AG2LT21 = 0;  
If 0 <= AGE3 < 21 then AG3LT21 = 1; else AG3LT21 = 0;  
If 0 <= AGE4 < 21 then AG4LT21 = 1; else AG4LT21 = 0;  
If 0 <= AGE5 < 21 then AG5LT21 = 1; else AG5LT21 = 0;  
If 0 <= AGE6 < 21 then AG6LT21 = 1; else AG6LT21 = 0;  
If 0 <= AGE7 < 21 then AG7LT21 = 1; else AG7LT21 = 0;

HHUNDR21 = (ADLTLT21 + AG1LT21 + AG2LT21 + AG3LT21 + AG4LT21 + AG5LT21 +  
AG6LT21 + AG7LT21);

**/\* HIGHEDUC \*/**

IF (IBGRADE < 8 & IBDIPL = 2) THEN HIGHEDUC = 1;  
ELSE IF (IBGRADE = 4 | (IBGRADE < 8 & IBDIPL = 1)) THEN HIGHEDUC = 2;  
ELSE IF IBGRADE = 8 THEN HIGHEDUC = 3;  
ELSE HIGHEDUC = 4;

**/\* OCCGRP \*/**

IF FSOC IN(1, 2, 3, 4, 5, 6, 7, 8, 9, 10) THEN OCCGRP = 1;  
ELSE IF FSOC IN (11, 12, 13, 14, 22) THEN OCCGRP = 2;  
ELSE IF FSOC IN (15, 16, 17, 18, 19, 20, 21) THEN OCCGRP = 3;  
ELSE OCCGRP = 4;

**/\* RACEETHN \*/**

IF AHISPANI = 1 THEN RACEETHN = 3;  
ELSE IF ARACE = 2 THEN RACEETHN = 2;  
ELSE IF ARACE = 1 THEN RACEETHN = 1;  
ELSE IF (ARACE IN (3, 4, 91)) THEN RACEETHN = 4;

**/\* RACEETH2 \*/**

IF AHISPANI = 1 THEN RACEETH2 = 3;  
ELSE IF ARACE = 4 THEN RACEETH2 = 4;  
ELSE IF ARACE = 2 THEN RACEETH2 = 2;  
ELSE IF ARACE = 1 THEN RACEETH2 = 1;  
ELSE IF ARACE IN (3, 91) THEN RACEETH2 = 5;

**/\* VOEMSUP \*/**

IF (VOWRREA1 NE 1 & VOWRREA2 NE 1 & VOWRREA3 NE 1) THEN VOEMSUP = -1;  
ELSE IF (VOWRKPL = 1 | VOWRKHR = 1 | VOEMPAID = 1) | VOEMPTUI = 1 | VOEMPMAT = 1  
THEN VOEMSUP = 1;  
ELSE VOEMSUP = 0;

**/\* WREMSUP \*/**

IF (WRACTY = 2 & WRACTOTH = 2) THEN WREMSUP = -1;  
ELSE IF (WRPROVE1 = 1 | WRPROVE2 = 1 | WRPROVE3 = 1 | WRPROVE4 = 1 | WROPROVE = 1 |  
WRWRKPL1 = 1 | WRWRKPL2 = 1 | WRWRKPL3 = 1 | WRWRKPL4 = 1 | WROWRKPL = 1 |  
WRWRKHR1 = 1 | WRWRKHR2 = 1 | WRWRKHR3 = 1 | WRWRKHR4 = 1 | WROWRKHR = 1 |  
WREMPAI1 = 1 | WREMPAI2 = 1 | WREMPAI3 = 1 | WREMPAI4 = 1 | WROEMPAI = 1 |  
WREMPTU1 = 1 | WREMPTU2 = 1 | WREMPTU3 = 1 | WREMPTU4 = 1 | WROEMPTU = 1 |  
WREMPMA1 = 1 | WREMPMA2 = 1 | WREMPMA3 = 1 | WREMPMA4 = 1 | WROEMPMA = 1)  
THEN WREMSUP = 1;  
ELSE WREMSUP = 0;

**/\* WRNEW \*/**

NOTE: The variables CRNAME(*n*), used to create WRNEW, do not appear on the public-use data file.

```
WRNEW = 0;
ARRAY _WR $30 CRNAME1-CRNAME19;
DO OVER _WR;
  IF _WR NE '-1' THEN WRNEW = WRNEW + 1;
END;
IF WRNEW = 0 THEN WRNEW = -1;
```

**/\* WRTIME \*/**

```
IF (WRACTY = 2 & WRACTOTH = 2) THEN WRTIME = -1;
ELSE IF (WRACTY = 1 | WRACTOTH = 1) THEN DO;
  IF WRCLSHR4 NE -1 THEN WRTIME = (WRCLSHR1 + WRCLSHR2 + WRCLSHR3 +
    WRCLSHR4) * WRWGT;
  ELSE IF WRCLSHR3 NE -1 THEN WRTIME = (WRCLSHR1 + WRCLSHR2 + WRCLSHR3) *
    WRWGT;
  ELSE IF WRCLSHR2 NE -1 THEN WRTIME = (WRCLSHR1 + WRCLSHR2) * WRWGT;
  ELSE IF WRCLSHR1 NE -1 THEN WRTIME = (WRCLSHR1) * WRWGT;
  ELSE WRTIME = 0;
END;
```

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**APPENDIX E**

**AEWR DATA FILE CODEBOOK**

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