



# Constructed Variables CHIS 2003 Adult Survey

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# Race and Ethnicity

## RACECEN

### Race – Census 2000 Definition

The RACECEN variable uses the Census SF1 definition/tabulation of race. RACECEN is derived from the imputed Westat self-reported variables: SRPI, SRAI, SRAS, SRAA, SRW, and SRO. Cases are assigned either to one of several single-race categories or to a multiple-race category.

1. The number of races reported for each case is counted using the race variables SRPI, SRAI, SRAS, SRAA, SRW, and SRO.
2. The cases with a single race reported are assigned to the corresponding RACECEN values 1 through 6.
3. The cases with more than one race reported are assigned to the multiple-race category RACECEN=7.

## RACEDOF

### Race – Department of Finance Definition

The RACEDOF variable uses the California Department of Finance’s race categories (version 1). This variable is derived from the imputed Westat self-reported variables: SRH, SRPI, SRAI, SRAS, SRAA, SRW and SRO. Latino is considered to be a race category for this variable and is given priority.

RACEDOF values are assigned a hierarchical manner:

1. The number of races reported for each case is counted using the race variables SRPI, SRAI, SRAS, SRAA, SRW, and SRO.
2. All cases that are reported to be Latino (if SRH=1) are assigned to the Latino category (RACEDOF=1)
3. The remaining cases with a single race reported are assigned to one of several non-Latino categories:

Condition:	RACEDOF value:	RACEDOF Label:
If only SRPI=1	2	Non-Latino Pacific Islander
If only SRAI=1	3	Non-Latino American Indian/Alaska Native
If only SRAS=1	4	Non-Latino Asian
If only SRAA=1	5	Non-Latino African American
If only SRW=1	6	Non-Latino White
If only SWO=1	7	Non-Latino Other, One Race

4. The remaining cases with more than one race reported are assigned to the non-Latino multiple-race category, RACEDOF=8:

**Note:** The non-Latino single race category (RACEDOF=7) is not included in the original population projection by the Department of Finance (DOF). Corrections for this category assignment will be made in the construction of future CHIS RACEDOF variables.

## **RACEHPR**                      **Race – UCLA CHPR Definition**

The purpose of the RACEHPR variable is to create a measure of race that takes into account which race/ethnicity the respondents most identify with if more than one race is reported. For the cases with multiple races reported, and no indication of which group the respondent most identifies with, a few other rules are used. RACEHPR is derived from the imputed Westat variables SRH, SRPI, SRAI, SRAS, SRAA, SRW, SRO, and questionnaire items AA5AOS and AA5F. Latino is also considered to be a separate race category for this variable.

RACEHPR values are assigned in the following hierarchical manner:

- A. First, the number of races reported for each case is counted using the race variables SRPI, SRAI, SRAS, SRAA, SRW, and SRO.**
- B. Second, the non-Latino cases (if SRH=2) are assigned RACEHPR values.**
  - a. The non-Latino cases (if SRH=2) with only one race reported are assigned to the appropriate single race category:

Condition:	RACEHPR Values:	RACEHPR Label:
If only SRPI=1	2	Pacific Islander
If only SRAI=1	3	American Indian/Alaska Native
If only SRAS=1	4	Asian
If only SRAA=1	5	African American
If only SRW=1	6	White
If only SRO=1	7	Other Single/Multiple Race

- b. The Non-Latino cases (if SRH=2) with more than one race are assigned to one of the following RACEHPR categories depending on how they respond to the question about which group they most identify with in item AA5F.
- C. Next, the Latino cases (if SRH=1) are assigned RACEHPR values.**
  - a. The Latino cases (if SRH=1) that are statistically imputed to be Latino (if ISRH >= 1), and race variables (**SRPI, SRAI, SRAS, SRAA, SRW, and SRO**) are not imputed, are coded as follows, if only a single race is reported:

Condition:	RACEHPR value:	RACEHPR Label:
If only SRPI=1	2	Pacific Islander
If only SRAI=1	3	American Indian/Alaska Native
If only SRAS=1	4	Asian

If only SRAA=1	5	African American
If only SRW=1	6	White
If only SRO=1	7	Other Single/Multiple Race

- b. The cases that are statistically imputed to be Latino (if ISRH >= 1) and race variables (**SRPI, SRAI, SRAS, SRAA, SRW, and SRO**) that are not imputed with multiple races reported are assigned values depending on the group they most identify with in AA5F.
- c. The Latino cases (if SRH=1) that are not statistically imputed to be Latino (if ISRH < 1), but the race variables (**SRPI, SRAI, SRAS, SRAA, SRW, and SRO**) are imputed and assigned to the Latino category:
- d. The Latino cases (if SRH=1) that are not statistically imputed to be Latino (if ISRH < 1), and not imputed to be white (if ISRW < 0) with multiple races are coded depending on which group they most identify with in AA5F.

**Adjustment 1:** All Latino cases (if SRH=1) with a single race reported to be “other” (if only SRO=1), and in which the race/ethnicity specified in item AA5OS is an identified nationality or skin color, are assigned to the Latino category. Examples of these “other” or open specify responses include: Mexican, Chicano, Hispanic, Salvadoran, Moreno and Cuban.

**Adjustment 2:** The Latino cases (if SRH=1) with “none of these” specified (in AA5AOS), and in which the race/ethnicity the respondent most identifies with in item AA5F is unknown, are coded as Latino.

**Adjustment 3:** The Latino cases (if SRH=1) with multiple races, where the SRH variable and in which race variable are both imputed, are assigned to the other single/multiple race category for this variable.

**Adjustment 4:** The cases with RACEHPR~=3 that meet one of the following criteria are assigned to the American Indian/Alaska Native category (RACEHPR=3):

1. Identify themselves as an enrolled member in an AIAN tribe (if AA5C=1)
2. Single race, Non-Latino (if SRH~=1), and American Indian/Alaska Native (if SRAI=1)
3. Single race, American Indian/Alaska Native (if SRAI= 1), and most identify with American Indian/Alaska Native (if AA5F=18)
4. Multiple race, American Indian/Alaska Native (if SRAI=1), and most identify with American Indian/Alaska Native (if AA5F=18).

## **ASIAN9**

### **Asian Subtypes-9 (PUF Recode)**

The ASIAN9 variable is derived from the constructed variable, ASIAN10. The purpose of this variable is to provide a re-categorization representing the specific Asian subtypes (AA5E\_1 through AA5E\_23) for those who report that they are Asian (if AA5A\_4=1). ASIAN9 provides 9 subtypes of Asian identity.

- A. First, the number of Asian ethnic groups reported for each case is counted.**
- B. The cases with adults who report only one Asian ethnic group are assigned corresponding ASIAN9 values (1 through 7). Cambodian ethnic group and other Asian ethnic group are assigned the value of ASIAN9=8.**
- C. Adults who report more than one Asian ethnic group are assigned the value ASIAN9=9.**

The adults who only report one Asian ethnic group, and are not yet assigned an ASIAN9 value, are given a not-ascertained value (-9).

Adults that are identified as not belonging to an ASIAN ethnic or race group are assigned the skip value of ASIAN9= (-1).

**ASNHPR\_P Asian Group – UCLA CHPR Definition (PUF Recode)**

The ASNHPR\_P variable represents the most-identified-with-Asian ethnicity and is a recoded definition for the public use file provided by the Center for Health Policy Research at UCLA (ASIANHPR). It collapses adult reports of Cambodian ethnicity, other Asian ethnic group and those reporting belonging to more than one Asian ethnic group.

- A. The number of Asian ethnic groups reported for each case is counted.**
- B. Adults who report belonging to 1) a single Asian ethnic group or 2) most identify with a single Asian subgroup if more than one is reported are assigned to corresponding values for the ASNHPR\_P variable. Adults who report Cambodian ethnicity, other Asian ethnicity or belonging to two or more Asian ethnic groups are assigned the value ASNHPR\_P=7.**
- C. Adults who are not of Asian race/ethnicity are assigned a value of ASNHPR\_P=(-1).**

**LATIN9TP Latino/Hispanic Subtypes – 9 Levels**

The purpose of this variable is to provide a fourteen level measurement of what group(s) the respondents identify with of those who report that they are of Latino/Hispanic origin (if AA4=1). This variable is derived from items AA5\_1 through AA5\_21 (14-21 are upcoding categories).

- A. First, the numbers of Latino/Hispanic ancestries reported for each case are counted using items AA5\_1 through AA\_21.**
- B. The cases with respondents who report only one Latino/Hispanic ancestry are assigned values for the temporary variable LATINTEMP.**
- C. The cases with more than one ancestry reported are also assigned LATINTEMP values.**
- D. The respondents who report that they are not of Latino or Hispanic origin (if AA4=2) are assigned a skip value (-1) for this variable.**
- E. Finally, all of the cases are assigned values for the LATIN9TP variable using the categories generated with LATINTEMP.**

Each case is tested through the following conditions until a LATIN9TP is assigned:

Condition:	LATIN9TP Value:	LATIN9TP Label:
If LATINTEMP=1 (Mexican)	1	Mexican
If LATINTEMP=2 (Salvadoran)	2	Salvadoran
If LATINTEMP=3 (Guatemalan)	3	Guatemalan
If LATINTEMP=4 (Central American)	4	Central American
If LATINTEMP=5 (Puerto Rican)	5	Puerto Rican
If LATINTEMP=7 (Latino European)	6	Latino European
If LATINTEMP=8 (South American)	7	South American
If LATINTEMP=6 (Cuban)	8	Other Latino
If LATINTEMP=9 (Other Latino)		



If LATINTEMP=10	9	Two or more Latino types
If LATINTEMP=-1	-1	Non-Latino

**F. If LATIN9TP cannot be determined, and AA5 is missing, then country of birth is used (AH33) to assign Latino ethnic group in LATIN9TP.**

## **CATRIBE** **California Tribal Heritage**

The California Tribal Heritage variable indicates whether or not the respondents who report themselves as being American Indian/Alaska Native (if SRAI=1) identify themselves with a California or a non-California tribal heritage. This variable is constructed using questionnaire items AA5B\_1 – AA5B\_11, AA5BOS, and AA5DOS.

Since the questionnaire response categories in AA5B include only non-California tribes, it was important to construct CATRIBE in order to capture verbatim responses in AA5BOS or AA5DOS that may indicate California tribal heritage among the population of American Indians responding to the questionnaire.

Therefore, any American Indian/Alaska Native respondents (if SRAI=1) who report a California Tribe in AA5BOS or AA5DOS are considered to have California Tribal Heritage (CATRIBE=1). All remaining respondents who identify themselves with at least one of the non-California tribes in AA5B\_1-11, or indicate a non-California tribe as a verbatim answer in AA5BOS, are considered to be of non-California Tribal Heritage (CATRIBE=2).

Respondents who do not indicate being of American Indian/Alaska Native heritage are assigned a skip value, CATRIBE= (-1). All other respondents whose tribe cannot be ascertained are assigned a value (-9) for this variable.

**Note:** This variable indicates reported tribal heritage. The cases included in this variable all reported themselves as American Indian/Alaska Natives (if SRAI=1), but may or may not be enrolled members of a federal or state recognized tribe (please see the AA5C variable for this information).

## Health Insurance

### **INS** **Currently Insured**

This variable indicates the current insurance status of the respondent. INS is created with other constructed insurance variables. Cases that are assigned a value of 1 (covered) for any of the following variables are considered to be currently insured (INS=1): INSMC, INSMD, INSHF (Source Data), INSEM, INSPR, INSML (Source Data), INSOG, INSOT (Source Data). The cases assigned a value of 2 (not covered) for ALL of those variables are considered to not be currently insured (INS=2).

**Note:** The INS\_S variable provides a dichotomous measure of the respondent's spouse's current insurance status. Construction of this variable uses the same logic as INS.

### **INS12M** **Number of Months Covered by Health Insurance in Past 12 Months**

This variable indicates the number of months a respondent has been insured during the past 12 months. The INS12M variable is derived from items AI31, AI34, AI35, AI27, and AI29.

Each case is tested through the following series of conditions until a value for INS12M can be assigned:

1. The INS12M values are first assigned to the cases with respondents who report that they have current health coverage for the past 12 months.

Condition:	INS12M value:	INS12M label:
If AI31=1 (have had current health insurance for all of the past 12 months)	12	Insured 12 months
If AI34=2 (have current coverage, some kind of health insurance for all of the past 12 months)	12	Insured 12 months
If AI35 >= 0 (months with no health insurance at all)	12 – AI35 value (#)	Insured # months

2. The INS12M values are then assigned to the cases with respondents who do not report current health coverage during the past 12 months:

Condition:	INS12M value:	INS12M label:
If AI27=2 (no health insurance for all of the past 12 months)	0	Insured 0 months
If AI29 >= 0 (months with health insurance)	AI29 value (#)	Insured # months

**Note:** This variable is constructed in an identical manner in the adult, adolescent, and child data files.

## **INSANY**

### **Any Health Insurance in the Last 12 Months**

The purpose of the INSANY variable is to provide a dichotomous measure of whether or not respondents have had any health insurance in the last 12 months. Instead of using the source variables from the questionnaire, INSANY is derived from other constructed insurance variables, including INS64\_P (Type of current health coverage source – under 65 years old), INS65 (Type of current health coverage source for the elderly), and INS12M (Number of months covered by health plans in past 12 months).

## **INSLT12R**

### **Health Insurance Coverage in Last 12 Months, Including Current Status: 9 Levels**

The INSLT12R variable is constructed from a number of questionnaire items that measure both the status and type of health insurance coverage in the past 12 months for persons 65 years and younger. This variable re-categorizes health insurance coverage over the past 12 months, including current status, into 9 distinct levels. Constructed categories in INSLT12R reflect stability and/or fluctuations in type of health insurance coverage during a 12-month time period. Cases reporting consistency in the type of coverage

during the past 12 months or cases reporting uninsured status during all of the past 12 months are assigned the corresponding health insurance coverage category. However, cases in which multiple types of coverage are reflected in a 12-month period are assigned values based on a number of criteria specifying the type of health coverage(s) as well as gaps in coverage.

## **UNINSANY                      Uninsured in Past 12 Months**

The UNINSANY variable is derived from the constructed variable INSLT12R, which measures health insurance coverage in the last 12 months. This variable assigns values based on the adult’s insurance status during all or part of the year. Values are assigned as follows:

Condition:	UNINSANY Value:	UNINSANY Label:
If INSLT12R=3	1	Uninsured all year
If INSLT12R=6, 7	2	Uninsured part year
If INSLT12R=1, 2, 4, 5, 8, 9	3	Insured all year

## **INSMC                              Covered by Medicare**

The INSMC variable is derived from questionnaire item A11 and A12. Respondents who identify themselves as covered by Medicare (if A11=1 OR A12=2) are considered to be covered by Medicare for this variable (INSMC=1). Those who identify themselves as not covered (if A11=2) are considered to be not covered (INSMC=2).

**Adjustment 1:** In addition, the cases with INSMC=2 who report that they are covered by Medicare through premium payment for a health plan (A112\_5=1) or through a plan that was missed (if A119\_4=1) are also considered to be covered by Medicare for this variable (INSMC=1).

**Data editing adjustment 1:** Respondents who were younger than 65 years old and reported having Medicare coverage, but were working and not disabled or legally blind, are reassigned as not having Medicare coverage (INSMC=2).

**Data editing adjustment 2:** Respondents who were younger than 65 years old and reported having Medicare coverage, but were not on SSDI, are reassigned as not having Medicare coverage (INSMC=2).

**Note:** The INSMC\_S variable measures spouse’s coverage by Medicare. Construction of this variable uses the same logic as INSMC using items A137, A147\_4, and A149\_4.

## **INSMD                              Covered by Medi-Cal**

The INSMD variable is derived from questionnaire items A15 and A16. Respondents who identify themselves as being covered by Medi-Cal (if A15\_6=1 or if A16=1) are considered to be covered by Medi-Cal for this variable (INSMD=1). Those who report that they are not covered by Medi-Cal (if A16=2) are considered to be not covered (INSMD=2).

**Adjustment 1:** In addition, the cases with INSMD=2, and the respondents report that they are covered by Medi-Cal through premium payment for a health plan (A112\_6=1) or through a plan that was missed (if A119\_5=1), are considered to be covered by Medi-Cal for this variable (INSMD=1).

**Adjustment 2:** The respondents with INSMD=2 (no Medi-Cal) who report that they have SSI/AFDC/TANF/CalWorks, are considered to be covered by Medi-Cal (INSMD=1).

**Note:** The INSMD\_S variable measures spouse’s coverage by Medi-Cal. Construction of this variable uses the same logic as INSMD using items AI38, AI47\_5 and AI49\_5.

## **INSOG** **Covered by Other Government Plans**

The INSOG variable is derived from questionnaire items AI17 and AI17A. Respondents who report that they are covered by some other government plan (such as AIM, “Mister MIP,” the Family PACT program, or something else) (if AI17=1), or name their coverage as AIM, MRMIP, or Family PACT (if AI17A=1 or 2 or 3), or specify some other government plan (if AI17AOS=-1), are considered to be covered for this variable (INSOG=1). The respondents who skip out of item AI17 (-1) or report that they are not covered by some other government plan (if AI17=2), are considered to be not covered by some other government plan (INSOG=2).

**Adjustment 1:** In addition, cases with INSOG=-1, and the respondents report that they are covered by a plan that was missed, which is some other government health plan (if AI19\_9=1), are also considered to be covered for this variable (INSOG= 1).

**Note:** This variable cannot be used as a count of respondents with other government plans. Only those without Medicare, Medi-Cal, employer, private, or military coverage are asked this question.

The INSOG\_S variable measures spouse’s coverage by other government plans. Construction of this variable uses the same logic as INSOG using items AI42A, AI47\_9, and AI49\_9.

## **IHS** **Covered by Indian Health Services**

The IHS variable is derived from questionnaire items AI19\_8 and AI20. Respondents who report that the type of health coverage they have is through the Indian Health Service, Tribal Health Program, or Urban Indian Clinic (if AI19\_8=1 or AI20=1), are considered to be covered for this variable (IHS= 1). Those who report that they are not covered by the Indian Health Service, Tribal Health Program, or Urban Indian Clinic (if AI19\_8=2 or AI20=2), are considered to be not covered for this variable (IHS= 2).

**Note:** Only the respondents who report that they are American Indian/Alaska Native (if AA5A\_3=1) are asked item AI20.

The IHS\_S variable measures whether or not the adult respondent’s spouse is covered by Indian Health Services. Construction of this variable uses the same logic as IHS using items AI47\_8 and AI49\_8.

## **INSEM** **Covered by Employer-Based Plans**

The INSEM variable is derived from questionnaire item AI8. Respondents who identify themselves as covered by a health insurance plan or HMO through a current or former employer/union (if AI8=1) are considered to be covered by an employer-based plan for this variable (INSEM=1). Those who report that they are not covered by an employer-based plan (AI8=2) are considered to be not covered (INSEM=2).

**Adjustment 1:** The cases with INSEM=-1, and the respondent reports that they are covered through premium payment for a health plan (AI12\_2=1 or AI12\_3=1) or by a plan that was missed, through a current or former employer/union, school, professional association trade group, or other organization (if AI19\_1=1 or AI19\_2=1), are also considered to be covered by an employer-based plan for this variable (INSEM=1).

**Note:** The INSEM\_S variable provides a dichotomous measures of spouse coverage by employer-based health plans. Construction of this variable uses the same logic as INSEM using items AI40, AI40A, AI47\_1 and AI49\_1.

## **INSPS** **Covered by Employer-Based Plans as Primary Coverage**

The INSPS variable is derived from questionnaire items AI8 and AI9. Respondents who identify themselves as covered by a health insurance plan or HMO through a current or former employer/union (if AI8=1), and report that the plan was obtained in their own name (if AI9=1), are considered to have primary coverage for this variable (INSPS=1). Those who report that they are covered by a health insurance plan or HMO through a current or former employer/union (if AI8=1), but report that the plan was obtained in someone else's name (if AI9=2), are considered to have secondary coverage (INSPS=2).

**Data editing adjustment 1:** Those who report their current or former employers or unions pay the health plan premium (AI12\_2=1) are considered to have primary coverage for employer-based plan (INSPS=1). Those who report their spouse's current or former employers or unions pay the health plan premium (AI12\_3=1) are considered to have secondary coverage (INSPS=2).

**Data editing adjustment 2:** Those who report having an employer-based plan by a plan that was missed (if AI19\_1=1 or AI19\_2=1) were skipped out of the question of primary or secondary coverage (AI9). These cases were imputed to assign an INSPS value.

Those who are skipped out of item AI9 because they do not have an employer-based plan are assigned a skip value (-1).

**Note:** The INSPS\_S measures spouse's primary or secondary coverage plans. Construction of this variable uses the same logic as INSPS using items AI40, AI40A, and AI12\_3.

## **INSPR** **Covered by Plans Purchased on Own**

The INSPR variable is derived from questionnaire item AI11. If respondents report that they are covered by a health insurance plan that was purchased directly from an insurance company or HMO (if AI11=1), they are considered to be covered by a plan purchased on their own (INSPR=1). The respondents who skip out of AI11 (-1), or report that they are not covered by a plan purchased directly (if AI11=2), are considered to be not covered by a plan that was purchased on their own (INSPR=2).

**Adjustment 1:** In addition, cases with INSPR ~1 who report that they are covered by a plan purchased directly that was missed (if AI19\_3=1) are considered to be covered for this variable (INSPR=1).

**Note:** This variable cannot be used as a count of respondents with private insurance. Only those without Medicare, Medi-Cal, or employer coverage are asked this question.

The INSPR\_S measures spouse's coverage by plans purchased directly from an insurance company or HMO. Construction of this variable uses the same logic as INSPR using items AI41, AI47\_3 and AI49\_3.

## **INS64\_P** **Current Health Coverage Under 65 Years Old (PUF Recode)**

This INS64\_P indicates the type of current health insurance coverage for persons under 65 years old. This variable assigns type of insurance coverage into 6 levels, including Medicaid, Medicare, employment-based, privately purchased, CHIP and other public insurance, as well as currently uninsured.

Any cases with an adult who is 65 years or older are assigned a skip value (-1) for this variable.

**Note:** The INS64S\_P variable measures current health coverage for the spouse of the respondent age 64 years and younger (PUF recode). Construction of this variable uses the same logic as INS64\_P.

## **INS65** **Type of Current Health Coverage Source for the Elderly**

The INS65 variable specifies the type of current health insurance coverage for adults that are 65 years and older. This variable indicates whether or not the adult is covered simultaneously by Medicare and some other type of insurance. INS65 is created using other constructed insurance variables.

Any cases with an adult, adolescent or child who is under 65 years old (if SRAGE < 65) are assigned a skip value (-1) for this variable:

**Adjustment 1:** Those who are initially not included in the “Medicare + Medi-Cal” category (if INS65~=1), but are covered by Medicare (if INSMC=1), and a supplemental Medicare policy (if AI4=1), are considered to be covered by “Medicare + OTHER” (INS65=2).

**Adjustment 2:** The respondents with Medicare (if INSMC=1), who are also in a managed care program {(if AI25=1 (covered for Rx), AI21=1 (have to sign up with PCP, group or clinic that must go to), and AI22=1 (have to get referrals)] are assigned to the “Medicare + Other” category.

**Adjustment 3:** Proxy responses indicating Medicare insurance only coverage are also assigned to the Medicare Only category (INS65=3).

**Note:** The corresponding constructed variable for the type of current health coverage for persons under 65 years old (if SRAGE < 65) is INS64.

The INS65\_S variable measures type of insurance coverage for the spouse of the respondent age 65 years and older. Construction of this variable uses the same logic as INS65.

## **OFFTK** **Offer, Eligibility, Acceptance of Employer-Based Insurance (EBI)**

This variable is constructed from a series of other constructed insurance variables (INSEM AND INSPS), as well as questionnaire items AI13 and AI14. OFFTK categorizes the offering, eligibility and acceptance of health insurance plans by the respondent from their employer.

Adults who are unemployed or are self-employed are assigned a skip value for this variable (OFFTK=-1).

**Note:** The OFFTK\_S variable is constructed using the same logic as OFFTK. This variable also categorizes the eligibility and acceptance of health insurance plans offered to the respondent’s spouse by the spouse’s employer.

## **ELIGPRG4** **Uninsured Medi-Cal/Health Families Eligible (4 levels)**

A series of eligibility variables was constructed to estimate and categorize the number of uninsured Californians who meet the eligibility criteria for the “full-scope” Medi-Cal or Healthy Families programs if they were to apply. The estimated number of uninsured eligibles is used to calculate program participation rates for the Medi-Cal and Healthy Families programs. The ELIGPRG3 variable provides 3 types of eligibility for Medi-Cal and Health Families participation.

Criteria for assignment within these eligibility variables are based on a number of factors:



- A. *Categorical Eligibility:* Persons eligible for program participation must meet a number of age-related and/or disability criteria. Questionnaire items are used to measure age, disability status, pregnancy status; and, whether the respondent is a parent of a minor.
- B. *Family Composition:* Questionnaire items are used to derive family composition necessary for eligibility with these two programs. Variables used include the adult respondent’s marital status; the presence of a spouse in the household; and whether each child in the household is related by blood, guardianship to the adult respondent, their spouse or their unmarried partner with whom they share a biological child, or their unmarried partner with whom they share guardianship of a non-biological child.
- C. *Income Eligibility:* Family income as a percent of the federal poverty guidelines is used for both Medi-Cal and Healthy Families income eligibility. The monthly earnings by the adult respondent and/or spouse of the adult respondent and the Federal Poverty guidelines are used as the primary income source in constructing the eligibility variable.
- D. *Immigration Status:* In order to participate in the full-scope Medi-Cal and Healthy Families programs, eligible persons must be citizens or legal residents. Questionnaire items related to immigration status are used to construct the eligibility variable.
- E. *Asset Test:* Adults in the Medi-Cal program are subject to an asset test, but there is no asset test for children in either the Medi-Cal or Healthy Families programs. The main questionnaire item used to construct this variable addresses the combined values of specific types of family assets exceeding \$5000.

**Note:** Another constructed eligibility variable includes ELIGPRG3 (Uninsured Medi-Cal/Health Families Eligible--4 levels). This variable is constructed using the same logic and criteria as ELIGPRG4.

**FAM\_TYPE                      Family Type**

The FAM\_TYPE variable is constructed using a number of questionnaire items that measure marital status, age of the respondent and parenthood. This variable is constructed for purposes of determining eligibility for public-based health care programs.

**Note:** Regardless of age, a married respondent is considered to be single if he/she does not reside within the same household as his/her spouse.

## GENERAL HEALTH & HEALTH CONDITIONS

**ASTCUR                              Current Asthma**

The ASTCUR variable is derived from questionnaire items AB40 and AB41 and is based on the diagnosis of asthma by a doctor ever in the respondent’s life (AB17). ASTCUR is a dichotomous variable that determines whether or not the adult respondent currently has asthma. Of those who were diagnosed with asthma by a doctor (AB17=1), those who still have asthma (AB40=1) or have had an asthma attack or episode in the past 12 months (AB41=1) are considered to currently have asthma (ASTCUR=1). Those who were diagnosed with asthma by a doctor (AB17=1), those who do not still have asthma (AB40=2) or have not suffered from an asthma attack in the past 12 months (AB41=2) are not considered to currently have asthma (ASTCUR=2). Finally, those who were never diagnosed with asthma by a doctor (AB17=2) are not considered to currently have asthma (ASTCUR=2).

Cases in which asthma status cannot be ascertained are assigned a value of ASTCUR=(-9).

**ASTYR Asthma Symptoms, Past 12 Months**

This variable is derived from questionnaire item AB19, which measures the frequency of asthma symptoms in the past 12 months. ASTYR is a dichotomous variable that determines whether or not the adult respondent has had any asthma symptoms in the past 12 months. Adults who have not had any asthma symptoms in the past 12 months (AB19=1) are assigned a value of ASTYR=2. Adults who report having asthma symptoms daily (AB19=5), weekly (AB19=4), monthly (AB19=3) or less than monthly (AB19=2) are assigned a value of ASTYR=1.

Those who have never been diagnosed with asthma (AB17=2) are assigned a value of ASTYR= (-1). Cases in which frequency of asthma symptoms cannot be determined are assigned a value of ASTYR= (-9).

**ASTYRP Asthma Symptom Prevalence**

The ASTYRP variable is derived from the constructed variable, ASTYR. This variable provides a dichotomous measure of the prevalence of asthma symptoms for all adult respondents. Those who report having any asthma symptoms in the past 12 months (ASTYR=2, 3, 4 or 5) are assigned a value of ASTYRP=1. Respondants who report no asthma symptoms (ASTYR=2) or have never been diagnosed with asthma (ASTYR=-1) are assigned a value of ASTYRP=2.

**DIAMED Taking Insulin or Pills**

The DIAMED variable is derived from questionnaire items AB24 and AB25. This variable categorizes the use of insulin and medication by adults who have been told they have diabetes (AB22=1). Values are assigned based on the following criteria:

Condition:	DIAMED Value:	DIAMED Label:
If AB24=1 and AB25=1	1	Taking insulin and pills
If AB24=1 and AB25=2	2	Taking insulin only
If AB24=2 and AB25=1	3	Taking pills only
If AB24=2 and AB25=2	4	Not taking insulin or pills

Those who have never been told they have diabetes by a doctor (AB22=2) were assigned a value of DIAMED= (-1).

Finally, cases in which the use of insulin could not be ascertained were assigned a value of DIAMED= (-9).

**HEALTH CARE UTILIZATION ACCESS AND DENTAL HEALTH**

**DOCT\_YR Visited a Doctor During the Past 12 Months**



The DOCT\_YR variable is derived from the questionnaire item, AH5. The DOCT\_YR variable is a dichotomous variable that ascertains whether or not the adult respondent visited a doctor at least once during the past 12 months. Those who indicated that one or more number of visits (AH5>=1) were assigned the value, DOCT\_YR=1. Those indicating 0 visits (AH5=0) were assigned the value DOCT\_YR=2.

Cases in which the number of visits could not be ascertained were assigned a value of DOCT\_YR=(-9).

**ACMDNUM                      Number of Doctor Visits in the Past Year**

The ACMNDUM variable is derived from the continuous AH5 variable, which assigns the number of doctor visits in the past year as reported by the respondent. The ACMDNUM variable provides 10 categories for the number of visits reported. ACMDNUM values are assigned as follows:

Condition:	ACMDNUM Value:	ACMDNUM Label:
If AH5=0	0	0 visits
If AH5=1	1	1 visit
If AH5=2	2	2 visit
If AH5=3	3	3 visit
If AH5=4	4	4 visit
If AH5=5	5	5 visit
If AH5=6	6	6 visit
If AH5=7, 8	7	7-8 visit
If AH5=9 to 12	8	9-12 visit
If AH5=13 to 24	9	13-24 visit
If AH5=25+	10	25+ visit

**DNVST                                      Had Dental Visit in the Past 12 Months**

The DNVST variable is derived from the questionnaire item AG1, which provides a categorical measure for time since last visit to dentist or dental clinic. DNVST provides a dichotomous measure of whether or not the adult respondent visited a dentist in the past 12 months. Those indicating a visit to the dentist one year ago or less (AG1=1, 2) were assigned a value of DNVST=1. Those who have never visited the dentist or have done so more than a year ago (AG1= 3 to 6) are assigned a value of DNVST=2.

Cases in which time since the dental visit cannot be ascertained are assigned a value of DNVST=(-9).

**HEALTH BEHAVIORS**

**USUAL                                      Have Usual Place to Go to When Sick or Needing Health Advice**

USUAL is constructed with questionnaire item AH1.

USUAL is constructed by combining the responses in AH1 in order to create a dichotomous variable for usual source of care.

The respondents who report in questionnaire item AH1 that they have a usual place (AH1=1), have a doctor (AH1=3), go through Kaiser (if AH1=4), or usually go to more than one place (if AH1=5), are considered to have a usual place to go to when sick or needing health advise (USUAL=1). Respondents who indicate not having a usual place to go to when sick (AH1=2) are assigned the value of USUAL=2.

**USUAL\_TP Usual Source of Care (7 levels)**

The USUAL\_TP variable is derived from questionnaire items, AH1, AH3, and AH4, which measure source of health care for the adult respondent. The constructed USUAL\_TP variable categorizes cases based on the place most often sought for source of health care.

Cases in which a usual source of care cannot be determined are assigned a value of USUAL\_TP=(-9).

**USUAL5TP Usual Source of Care (5 levels)**

The USUAL5TP variable is derived from the constructed variable USUAL\_TP, which categorizes the most often visited place the adult respondent goes to for health care. Five levels are assigned to USUAL5TP that re-categorize the usual source of care for the respondent. Values are assigned according to the following criteria:

Condition:	USUAL5TP Value:	USUAL5TP Label:
If USUAL_TP=1	1	Doc Office/HMO/Kaiser
If USUAL_TP=2	2	Community/Gov. Clinic, Community Hospital
If USUAL_TP=3 or 4	3	Emergency Room/Urgent Care
If USUAL_TP=5 or 6	4	Other place, no one place
If USUAL_TP=7	5	No usual source of care

Cases in which a usual source of care cannot be determined are assigned a value of USUAL5TP=(-9).

**USOC Usual Source of Care Other Than ER**

The USOC variable is derived from the constructed variable, USUAL5TP. USOC provides a dichotomous measure of whether an adult respondent has a usual source of care other than emergency room services.

Each case is tested through the following conditions until a USOC value is assigned:

Condition:	USOC Value:	USOC Label:
If USUAL5TP=1, 2, or 4	1	Yes
If USUAL5TP=3 or 5	2	No

**AC\_TPCLC Type of Clinic Used as Usual Source of Care**

The AC\_TPCLC variable is derived from questionnaire items AH4 and categorizes what types of clinic services are used by adults who receive their usual health care from clinics, health centers and other hospital clinics.

Values are assigned according to the following criteria:

Condition:	AC_TPCLC value:	AC_TPCLC label:
If AH4=1	1	HMO Clinic/Kaiser/Private doctors
If AH4=2	2	Gov/Community Clinic
If AH4=3	3	Hosp-Med Center/Clinic OP
If AH4=4	4	VA-Milt Hosp/Clinic
If AH4=5 or 6	6	ER/Urgent Care Clinic
If AH4=7, 8, 9 or 91	91	Other Clinic/Office

## **SMOKING**

### **Current Smoking Habits**

The SMOKING variable is constructed from questionnaire items, AE15 and AE15A. This variable categorizes the smoking habits of the adult respondent. If an adult indicates smoking 100 or more cigarettes in his/her lifetime (AE15=1) and smokes every day (AE15A=1) or some of the days (AE15A=2) then SMOKING=1. If the adult respondent indicates smoking 100 or more cigarettes in his/her lifetime and currently does not smoke at all then SMOKING=2. If an adult respondent has never smoked 100 or more cigarettes in his/her lifetime (AE15=2), then SMOKING=3. Proxy responses for smoking 100 or more cigarettes in one's lifetime (AE15=-2) are assigned a value of SMOKING=(-2).

Cases in which current smoking status cannot be determined are assigned a value of SMOKING=(-9).

## **SMKCUR**

### **Current Smoker**

The SMKCUR variable was derived from questionnaire items AE15 and AE15A. If the adult indicated smoking every day (AE15A=1) or some of the days (AE15A=2) then the respondent was considered to be a current smoker (SMKCUR=1). If the respondent indicated never smoking more than 100 cigarettes in one's lifetime (AE15=2) or does not smoke cigarettes daily (AE15A=3) then the respondent was considered to be a non-smoker (SMKCUR=2). Proxy responses for smoking 100 or more cigarettes in one's lifetime (AE15=-2) are assigned a value of SMKCUR=(-2).

## **NUMCIG**

### **Number of Cigarettes Per Day**

The constructed NUMCIG variable is derived from questionnaire items AE16 and AD32. This variable provides a categorical measure of the number of cigarettes smoked per day by adults who smoke every day (AE15A=1) and adults who smoke some days (AE15A=2).

Proxy responses are assigned a value of NUMCIG=(-2). Cases in which number of cigarettes cannot be determined are assigned a value of NUMCIG=(-9).

## **HHSMK**

### **Household Smoking**

The constructed HHSMK variable provides categorical measures of amount of smoking within the respondent's household. This variable is derived from questionnaire items AD33 and AD34, which

measure the presence of smokers within the household in addition to the number of days there is any smoking within the household. Respondents who indicate no presence of smoking in the household are assigned a value of HHSMK=1. Those indicating smoke some days within the household are assigned a value of HHSMK=2. Finally, those reporting the presence of smoking within the household every day are assigned a value of HHSMK=3.

## **BINGE**

### **Binge Drinking Among Adults in Past Month**

The BINGE variable is derived from questionnaire items AE14 and AE11. BINGE is a dichotomous variable that measures whether the adult has engaged in bingeing behavior in the past month, defined as having 5 or more alcoholic drinks in a row. Those who report drinking 5 or more alcoholic drinks in a row at least once during the last month (AE14>0) were assigned a value of BINGE=1. Adults who report not having an alcoholic beverage in the past month (AE11=2) and have had no episodes of drinking 5 or more alcoholic drinks in a row in the past month (AE14=0) were assigned a value of BINGE=2.

Proxy reports of drinking in the past month (AE11=-2) were assigned a value of BINGE=(-2). All other cases in which drinking behavior during the past month cannot be ascertained were assigned a value of BINGE=(-9).

## **WLKANY**

### **Any Walking for Transport or Fun/Exercise in Last 7 Days**

The WLKANY variable is derived from questionnaire items AD37 and AD40. This variable provides a dichotomous measure of whether or not the adult engages in any walking for transportation or fun/exercise in the last week. Adults who report walking at least 10 minutes in the last week for transportation (AD37=1) or walked at least 10 minutes in the last week for fun (AD40=1) were assigned a value of WLKANY=1. Adults who report not walking at least 10 minutes in the last week for transportation (AD37=2) and have not walked at least 10 minutes in the past week for fun (AD37=2) were assigned a value of WLKANY=2.

Those who are unable to walk or proxy responses indicating walking in the past week for either transportation or fun were assigned a value of WLKANY=(-1).

## **PAP\_SCRN**

### **Had PAP Screen in Past 3 Years**

The PAP\_SCRN is derived from questionnaire items, AD4 and AD6, which measure time since most recent pap smear for women. The PAP\_SCRN variable re-categorizes time since most recent pap smear. Values are assigned based on the following criteria:

Condition:	PAP_SCRN Value:	PAP_SCRN Label:
If AD6=1, 2, or 3	1	Within past 3 years
If AD6=4 or 5	2	Over 3 years ago
If AD4=2	3	Never

Male respondents are assigned a skip value of PAP\_SCRN=(-1). Cases in which PAP SMEAR screening among women cannot be determined are assigned a value of PAP\_SCRN=(-9).

## **MAM\_SCRN**

### **Had Mammogram in Past 2 Years**

The MAM\_SCRN variable is derived from questionnaire items AD14 and AD17. This variable provides a categorical measure of time since the respondent’s last mammogram for females ages 30 years and older. Values are assigned based on the following criteria:

Condition:	MAM_SCRN Value:	MAM_SCRN Label:
If AD17=1 or 2	1	Within past 2 years
If AD17=3, 4 or 5	2	Over 2 years ago
If AD14=2	3	Never

Male respondents are assigned a skip value of MAM\_SCRN=(-1).

Cases in which mammogram screening among women cannot be determined are assigned a value of MAM\_SCRN=(-9).

**CRC\_SCRN                      Colonoscopy, Sigmoidoscopy, FOBT in Past 5 Years**

This variable is derived from questionnaire items, AF14, AF16, AF22, and AF24 and is used to identify how long ago an adult received specific cancer screening procedures. This variable provides a dichotomous measure of whether or not an adult, aged 40 years and older, received a sigmoidoscopy, a colonoscopy, a proctoscopy, or an FOBT in the last 5 years. Adults who reported receiving these tests within the past 5 years (AF16=1, 2, 3 or 4) or those reporting a home blood stool test less than a year ago (AF24=1) were assigned the value of CRC\_SCRN=1. Those that reported receiving these tests more than five years ago (AF16=5 or 6) or had a home blood stool test more than a year ago (AF24=2, 3, 4, or 5) were assigned the value of CRC\_SCRN=2. Adults over the age of 40 who never received these types of cancer screening were assigned a value of CRC\_SCRN=3.

Adults younger than age 40 were assigned the skip value of CRC\_SCRN=(-1).

Cases in which cancer screening cannot be ascertained are assigned a value of CRC\_SCRN=(-9).

**PSA\_SCRN                      Had Prostate Screening In Last Year**

The PSA\_SCRN variable is derived from questionnaire items, AF31, AF33, and AF30. This variable identifies those adult men, aged 40 years and older, who have had a prostate screening exam within the past year. If a male respondent indicated having their last PSA screening within the past year (AF33=1), then a value of PSA\_SCRN=1 is assigned. Male respondents indicating having their last PSA screening more than a year ago (AF33=2, 3, 4, or 5) are assigned a value of PSA\_SCRN=2. Men who have never heard of a PSA test (AF30=2) or who have never had a PSA test (AF31=2) were assigned a value of PSA\_SCRN=3.

Women were assigned a skip value of PSA\_SCRN=(-1).

Cases in which PSA\_SCRN could not be ascertained were assigned a skip value of PSA\_SCRN=(-9).

**FOBT2                              Blood Stool Test Among Adults, Aged 50 Years+, in Past 2 Years**

The FOBT2 variable is derived from questionnaire items, AF24 and AF22. This variable provides a dichotomous measure of whether or not an adult age 50 years and older, received a blood stool test within the past two years. If a respondent indicated receiving a blood stool test less than two years ago (AF24=1 or 2), then a value of FOBT2=1 is assigned. Those indicating receiving a blood stool test more

than two years ago (AF24=3, 4 or 5) or have never received a blood stool test (AF22=2) are assigned a value of FOBT2=2.

A skip value of FOBT2=(-1) is assigned for respondents younger than 50.

Cases in which blood stool test cannot be determined are assigned a value of FOBT2=(-9).

## HEALTH DISABILITY

### **RBMI**

#### **BMI Descriptive**

The RBMI variable is constructed based on BMI values. This variable categorizes BMI into 4 weight range groups. Values are assigned based on the following criteria:

Condition:	RBMI Value:	RBMI Label:
If BMI $\geq$ 0 and BMI $\leq$ 18.49	1	Underweight
If BMI $>$ 18.49 and BMI $\leq$ 24.99	2	Normal
If BMI $>$ 24.99 and BMI $\leq$ 29.99	3	Overweight
If BMI $>$ 29.99	4	Obese

Cases in which BMI cannot be determined are assigned an RBMI value of (-9).

### **OVRWT**

#### **Overweight or Obese**

The OVRWT variable is constructed based on RBMI criteria. This variable is dichotomous and determines whether the adult respondent is considered to be physically overweight/obese. A value is assigned for the final constructed variable, OVRWT, based on RBMI that determines whether the adult is overweight or obese.

Condition:	OVRWT Value:	OVRWT Label:
If RBMI=3 or 4	1	Yes
If RBMI=1 or 2	2	No

Cases in which RBMI cannot be determined (-9) are assigned an OVRWT value of (-9).

### **HRQOL**

#### **Unhealthy Days**

The HRQOL variable is derived from questionnaire items AE31 and AE32. This is a continuous variable that sums the total number of days that both physical and mental health were reported as not so good in the past 30 days by the adult respondent. The maximum number of unhealthy days is 30.

Cases in which number of days for both physical and mental health cannot be ascertained (AE31 or AE32=-7, -8, or -9) were assigned a value of HRQOL=(-9).

# Household Income and Poverty

## **AK10\_P**                      **Earnings Last Month Before Taxes and Deductions (PUF Recode)**

AK10\_P is a top coded version of questionnaire item AK10.

**Note:** Top code is \$30, 000

## **AK10A\_P**                      **Partner’s Earnings Last Month Before Taxes (PUF Recode)**

AK10A\_P is a top coded version of questionnaire item AK10A.

**Note:** Top code is \$30,000

## **POVLL**                      **Poverty Level**

The POVLL variable indicates the total annual income of the household as a percent of the Federal Poverty Level.

In order for Weststat to approximate the 100%, 200%, and 300% Federal Poverty Level cutoff points for each household, the respondents were asked to report the number of people living in their household who are supported by the total annual household income (AK17/HHINC), and if needed, how many of those people are children under 18 years old (AK18). The 100%, 200%, and 300% cutoff values for each household were calculated during the administration of the survey by multiplying the 1999 Census Poverty Threshold “size of family unit” by “related children under 18 years” table amounts by 1, 2, or 3 (U.S. Bureau of the Census: Current Population Survey). The income values were then rounded to the nearest 100 dollars. The three household income cutoff points for each household were then stored as CATI variables POVRT100, POVRT200, and POVRT300.

A. First, the income values within the poverty variables (POVRT100, POVRT200, POVRT300) are categorized into the same income range levels as the household income variable (HHINC), creating three transitional variables (i.e. POVRT100n, 200n, 300n).

B. Second, the POVLL values are assigned.

1. Each case with a POVRT100n value equal to –9 (not ascertained) is assigned a value of 4 (301%FPL and above) that indicates an income of 301% FPL and above.
2. Next, questionnaire items AK18A, AK18B, AK18C and the CATI variables POVRT100, POVRT200, and POVRT300 are used in order to assign POVLL values to the recoded cases.
3. For the remaining cases, the actual household income values (HHINC) are compared to the transitional poverty variables, POVRT100n, POVRT200n, and POVRT300n, which have the same range levels. Each case is tested through the following conditions until a respective POVLL value is assigned:

Condition:	POVLL Value:	POVLL Label:
If HHINC <= POVRT100n	1	0-100% FPL
If HHINC <= POVRT200n	2	101-200% FPL

If HHINC <= POVRT300n	3	201-300% FPL
If HHINC > POVRT300n	4	301% FPL and above
All remaining cases	-9	Not ascertained

**POVLL2\_P Poverty Level as Times 100% FPL (PUF Recode)**

The POVLL2\_P variable also measures poverty level and is a recoded version of POVLL2 (Source data).

**Note:** Top-code is 24.

**HHSIZE\_P Household Size (PUF Recode)**

The HHSIZE\_P variable is a recoded variable based on the HH\_SIZE variable (source) that measures household size. The purpose of the household size variable is to combine the number of adults, children, and adolescents residing in the selected household. The HHSIZE\_P variable is created by adding together counts derived from the temporary variables ADLTCNT, CHLDCNT, and TEENCNT.

**Note:** Top code: 10

**HHCRWD Household Crowding**

The HHCRWD variable is based on the ratio of total people in a household divided by number of rooms in the household. This variable was created using the number of household members and the number of rooms in the house (AK24). A household is considered crowded if there is more than one person per room (HHCRWD=1) and not crowded if otherwise (HHCRWD=2).

**FSLEV Food Security Status Level**

The FSLEV variable provides a categorical measure of food security status for adults who fall below the 200% federal poverty line. This variable is derived from questionnaire items, AM1 through AM5. First, a temporary variable (FSLEVSCR) is created that represents an additive food insecurity score derived from items AM1-AM5. Adults indicating some type of food deprivation in the past 12 months were assigned a value of 1, whereas adults indicating no food deprivation in the past 12 months were assigned a value of 0. The range for this temporary variable is 0 to 6. Next, scores were assigned to one corresponding food security metric scale score. Finally, cases were assigned to one of the following food security status levels (FSLEV):

Condition:	FSLEV Value:	FSLEV Label:
If FSLEVTEMP=0 or 2.04	1	Food secure
If FSLEVTEMP=2.99,3.77, or 4.50	2	Food insecure without hunger
If FSLEVTEMP=5.38 or 6.06	3	Food insecure with hunger

Cases with less than 3 missing values in AM1-AM5 (-7, -8 or -9) were imputed. Cases with more than 3 missing values are computed.

**FSLEVCB Food Security Status (2 Levels)**



The FSLEVCB variable is derived from the constructed variable FSLEB. This variable provides a dichotomous measure of food security, whereby persons who are food secure (FSLEV=1) are assigned a value of FSLEVCB=1. Adults who are considered to be food insecure without hunger (FSLEB=2) and with (FSLEV=3) hunger are assigned a value of FSLEVCB=2.

Skip values are assigned to cases that fall above the 200% federal poverty line (FSLEVCB=-1).

## Citizenship and Immigration

### **CITIZEN2**

#### **Citizenship Status For Adults**

The CITIZEN2 variable is created in order to provide an indication of the respondent's citizenship. This variable also reflects a definition from UCLA's Center for Health Policy Research. CITIZEN2 is derived from questionnaire items AH33, AH39 and AH40.

Each case is tested through the following conditions until a CITIZEN2 value is assigned:

Condition:	CITIZEN2 Value:	CITIZEN2 Value:
If AH33=1, 2, 10, or 25 (respondent reports that they were born in the U.S., American Samoa, Guam, or the Virgin Islands)	1	U.S.-Born Citizen
If AH39=1 (respondent reports that they are U.S. citizens, but were not born in the U.S., American Samoa, Guam, or Virgin Islands)	2	Naturalized Citizen
If AH40=1, 2, or 3 (permanent resident with green card, not permanent resident, or have application pending)	3	Non-Citizen
All remaining cases	-9	Not ascertained

### **CNTRYF**

#### **Country Father Born In**

CNTRYF is constructed with questionnaire items, AH35 and AH35OS. CNTRYF is constructed by re-classifying the verbatim responses in questionnaire item AH35OS into AH35 and creating more general categories. The CNTRYF variable re-categorizes the father's country of birth (AH35) into more general geographic regions.

Cases in which a father's country of birth could not be ascertained were assigned a value of CNTRYM=(-9).

**Note:** See Appendix C for detailed information on the definitions.

## CNTRYM Country Mother Born In

CNTRYM is constructed with questionnaire items AH34 and AH34OS. CNTRYM is constructed by re-classifying the verbatim responses in AH34OS into AH34 and creating more general categories. The CNTRYM variable re-categorizes the mother’s country of birth (AH34) into more general geographic regions.

Cases in which a mother’s country of birth could not be ascertained were assigned a value of CNTRYM=(-9).

**Note:** See Appendix C for detailed information on the definitions.

## CNTRYS Country born in

CNTRYS is constructed with questionnaire items AH33 and AH33OS. CNTRYS is constructed by re-classifying the verbatim responses in AH33OS into AH33 and creating more general categories which identify the adult respondent’s geographic place of birth.

**Note:** See Appendix C for detailed information on the definitions.

## YRUS Years Lived in the U.S.

YRUS is constructed with questionnaire item AH41.

YRUS assigns the number of years the respondent has lived in the U.S. (AH41) into range levels. In addition, YRUS standardizes the number of years for those with a particular year reported (1895-2002).

The value for this variable is calculated for the respondents who report a particular year by subtracting the year they report from 2003 (AH41-2003).

A skip value (-1) is assigned for all persons who were born in the U.S., Guam, Samoa, or the Virgin Islands.

## PCTLF\_P Percent Life in U.S.

The PCTLF\_P is a recode of the continuous construct variable PCTLF. This variable provides categorical measure of the percentage of the adult respondent’s life spent in the United States.

Values are assigned as follows:

Condition:	PCTLF_P Value:	PCTLF_P Label:
If PCTLF>=0 and PCTLF<=20	1	0%-20%
If PCTLF>=21 and PCTLF<=40	2	21%-40%
If PCTLF>=41 and PCTLF<=60	3	41%-60%
If PCTLF>=61 and PCTLF<=80	4	61%-80%
If PCTLF>=81	5	81%+

Cases in which time spent living within the U.S. cannot be determined are assigned a PCTLF\_P value of (-9).

## Industry and Occupation

### INDMAIN

#### Main Industry – Recode

INDMAIN is the recode of the 3-digit standard industry codes (IINDCD4) into 14 main categories. The same recoding scheme is used by the Current Population Survey (CPS).

Respondents are considered to be working within certain industries as follows:

Condition:	INDMAIN Value:	INDMAIN Label:
If AK1=3 (looking for work) OR AK2=1 (keep house/care for children), 4 (student), 5 (retired), 6 (disabled) or 7(unable to work) OR AK3=0	-1	Skipped**
If IINDCD4=0170 through 0290	1	Agriculture, Forestry, Fishing, Hunting
If IINDCD4=0370 through 0490	2	Mining
If IINDCD4=0770	3	Construction
If IINDCD4=1070 through 3990	4	Manufacturing
If IINDCD4=4070 through 5790	5	Wholesale and Retail Trade
If IINDCD4=6070 through 6390 OR IINDCD4=0570 through 0690	6	Transportation and Utilities
If IINDCD4=6470 through 6780	7	Information
If IINDCD4=6870 through 7190	8	Financial Activities
If IINDCD4=7270 through 7790	9	Professional and Business Services
If IINDCD4=7860 through 8470	10	Educational and Health Services
If IINDCD4=8560 through 8690	11	Leisure and Hospitals
If IINDCD4=8770 through 9290	12	Other Services
If IINDCD4=9370 through 9590	13	Public Administration
If IINDCD4=9890	14	Armed Forces
If IINDCD4=9990	99	Uncodable: Refused or Classified

### OCCMAIN

#### Main Occupation – Recode

OCCMAIN is the recode of the 3-digit occupation codes from the Census (IOCCCD4). Occupational categories are collapsed into 11 main categories. The same recoding scheme is used by the Current Population Survey (CPS).

Respondents are considered to be working within certain occupational categories as follows:

Condition:	OCCMAIN Value:	OCCMAIN Label:
If AK1=3 (looking for work) OR AK2=1 (keep house/care	-1	Skipped**

for children), 4 (student), 5 (retired), 6 (disabled) or 7(unable to work) OR AK3=0		
If IOCCCD4=0010 through 0950	1	Management, Business, Financial
If IOCCCD4=1000 through 3540	2	Professional and Related
If IOCCCD4=3600 through 4650	3	Service
If IOCCCD4=4700 through 4960	4	Sales and Related
If IOCCCD4=5000 through 5930	5	Office and Admin Support
If IOCCCD4=6000 through 6130	6	Farming, Forestry and Fishing
If IOCCCD4=6200 through 6940	7	Construction and Extraction
If IOCCCD4=7000 through 7620	8	Installation, Maintenance and Repair
If IOCCCD4=7700 through 8960	9	Production
If IOCCCD4=9000 through 9750	10	Trans and Material Moving
If IOCCCD4=9840	11	Armed Forces
If IOCCCD4=9990	99	Uncodable: Refused or Classified

## **WRKST**

### **Working Status**

This variable provides a categorical measure of current working status for adults and is derived from questionnaire items AK1, AK2 and AK3. Values are assigned and based on the following criteria:

Condition:	WRKST Value:	WRKST Label:
If AK1=1, 2, or 4 and AK3>=21	1	Full-time employed (21+ hours/week)
If AK1=1, 2, or 4 and AK3<=20	2	Part-time employed (0-20 hours/week)
If AK1=3	3	Unemployed and looking for work
(If AK1=2 or 4 and AK2=1,4, 5, 6, or 7) OR AK3=0	4	Not working
If AK3=-2	-2	Proxy response

Cases in which current working status could not be ascertained are assigned a value of WRKST=(-9).

## **WRKST\_S**

### **Spouse Working Status**

The WRKST\_S variable is derived from questionnaire items AK20, AG8, AK19, and AK20. This variable categorizes the working status of the adult respondent's spouse. Responses are categorized using the same logic as WRKST.

Respondents with no spouse (AH43=-1) were assigned an inapplicable value of WRKST\_S=(-1). Cases in which current working status of the spouse could not be ascertained are assigned a value of WRKST\_S=(-9).

**EMP Employment Status**

The EMP variable provides a measure of current employment status and is derived from questionnaire items AK1, AK2 and AK3. It is similar to the WRKST variable, however, distinguishes those who are employed but have no current working status.

Cases in which current employment status could not be ascertained are assigned a value of EMP=(-9).

**EMP\_S Spouse Employment Status**

The EMP\_S variable provides a measure of the adult respondent's spouse's current employment status and is derived from questionnaire items AK20 and AG8. Cases are assigned using the same logic as EMP.

Respondents with no spouse (AH43=1) were assigned an inapplicable value of EMP\_S=(-1). Cases in which current employment status of the spouse could not be ascertained are assigned a value of EMP\_S=(-9).

**AKWKLNG Time at Main Job**

AKWKLNG is constructed with AK7 and AK7UNT. AKWKLNG standardizes the measurement unit of questionnaire item AK7 into years on the job in decimals. The respondents who report the length of time they have worked at their main job in months have their answers converted to years by dividing by 12 and rounded to the nearest whole number. This variable presents the values in range levels. (Please see the data dictionary for details).

Those who are not employed or who usually work zero hours are assigned a skip value (-1) for this variable. Any remaining cases are assigned a not ascertained (-9) value.

**Urban and Rural**

**UR\_CLRT Rural and Urban - Claritas (4 levels)**

The UR\_CLRT variable uses a definition of rural and urban from the commercial company Claritas, Inc. Claritas assigns the ZIP codes in California to 4 urbanization categories based on the analysis of population density grids of 1990 geoboundaries, 2000 redistricting updates, and 2001 population estimates. We obtained a file from Claritas Inc. that contains the ZIP codes in California and their associated urbanization categories (please refer to Appendix A for the ZIP codes associated with each category).

The urbanization categories are defined by Claritas, Inc. as follows:

Urban	ZIP codes associated with dense neighborhoods that represent the central cities of most major metropolitan areas (above 4,150 persons/square mile).
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2 <sup>nd</sup> City	ZIP codes associated with moderate-density neighborhoods in population centers (above 1,000 and below 4,150 persons per square mile).
Suburban	ZIP codes associated with moderate-density neighborhoods that are not surrounded by urban or second city population centers (estimated to be 1,000 persons per square mile and not in an urban or 2 <sup>nd</sup> city population center).
Town or Rural	ZIP codes associated with isolated small towns or less developed areas on the exurban frontier. (estimated to be higher than 210, but lower than 950 persons/square mile).  Small villages and rural hamlets surrounded by productive farmland or wide-open spaces (estimated to be 210 or lower persons per square mile).

In order to create the UR\_CLRT variable, the ZIP code for each case (within the BESTZIP variable) is assigned to its corresponding urbanization category as provided by Claritas. For cases with missing BESTZIP data, the ZIP code the respondent reports in questionnaire item AM7 is used in order to make this assignment (if AM7 > 90001).

In addition, some respondents report the ZIP code of a PO Box location rather than a ZIP code for a residence. Claritas Inc. provided the “parent ZIP codes” for these PO Box locations. The urbanization categories assigned to the “parent” ZIP codes are used in order to classify these cases (see Appendix A).

The cases with no ZIP code information are assigned a not ascertained value (-9) for UR\_CLRT.

## **UR\_CLRT2**

### **Rural and Urban - Claritas (2 levels)**

Five urbanization categories are defined for the ZIP codes in California by the commercial company Claritas, Inc (please see constructed variable UR\_CLRT). The UR\_CLRT2 variable is a modified version of the constructed UR\_CLRT variable. The UR\_CLRT2 variable designates all ZIP codes as either rural or urban.

1. The cases assigned to the urban, 2<sup>nd</sup> city, or suburban UR\_CLRT categories (if UR\_CLRT=1, 2, or 3) are considered to be urban (UR\_CLRT2=1).
2. The cases assigned to the rural UR\_CLRT category (if UR\_CLRT=4) are considered to be rural (UR\_CLRT2=2).
3. The remaining cases are assigned a not-ascertained value (-9).

**Note:** This variable is particularly useful since it provides an estimate that seems to correspond to the census definition of urbanized and non-urbanized areas. As Claritas Inc. states, “The rural and small town/exurban classifications are not far from the density cutoff of the Census definition that distinguishes urbanized from non-urbanized areas as those having densities above/below 1,000 persons/square mile.”

## **UR\_OMB**

### **Rural and Urban – OMB**

The UR\_OMB variable reflects the Office of Management and Budget's (OMB) classification of metropolitan statistical areas (MSAs). Counties are considered to be metropolitan or non-metropolitan depending on whether or not they are included in an MSA. All except one stratum level in the data file is composed entirely of either metropolitan or non-metropolitan counties.

Each case is tested through the following series of conditions until a UR\_OMB value is assigned:

1. The cases with respondents who report that they live within a stratum (STRATA2) that is composed entirely of metropolitan counties are assigned to the metropolitan category (UR\_OMB=1) (see Appendix A for list of strata).
2. The cases with respondents who report that they live within a stratum (STRATA2) that is composed entirely of non-metropolitan counties are assigned to the non-metropolitan category (UR\_OMB=2) (see Appendix A for list of strata).
3. Next, in order to classify the cases in stratum 34, which contains both a metropolitan and non-metropolitan county, the ZIP code data within the BESTZIP variable is used. Respondents with a ZIP code assigned to the metropolitan county are assigned to the metropolitan category (UR\_OMB=1). For any cases with missing BESTZIP data, the ZIP code reported by the respondent in questionnaire item AM7 is used in making the assignment (if AM7 >= 90001). (see Appendix A for the list of ZIP codes).
4. The remaining respondents with a ZIP code associated with stratum 34 are considered to be non-metropolitan (UR\_OMB=2).
5. UR\_OMB is considered to be not ascertained 7887 for all other cases.

## **UR\_RHP**

### **Rural and Urban – Office of Rural Health Policy**

THE UR\_RHP variable uses an operational classification of rural and urban from the Federal Office of Rural Health Policy (ORHP). The ORHP classifies counties as either rural or urban. The counties are classified with the same criteria that the Office of Management and Budget uses in order to determine metropolitan and non-metropolitan areas (see UR\_OMB). However, in order take into account particular rural areas within large urban counties (>1225 square miles), certain ZIP codes within these counties are designated as rural.

Each case is tested through the following series of steps until a UR\_RPH value is assigned:

1. The respondents who report that they live within a stratum (STRATA2) that is composed entirely of rural counties are coded as rural (UR\_RPH=2) (see Appendix A for list of rural strata).
2. The cases with ZIP codes that are designated as rural, within a large urban county, are then assigned to the rural category (see Appendix A for list of these ZIP codes). The BESTZIP variable is used to code the cases. For the particular cases with missing BESTZIP data, the ZIP code the respondent reports in item AM7 is used in making the assignment (if AM7 > 90001).

3. The remaining respondents who report that they live within a stratum that is composed of entirely urban counties are then coded as urban (UR\_RHP=1).
4. Next, the ZIP code data is used to assign UR\_RHP values for the cases within the stratum that include both an urban and a rural county (if SRSTRATA=34). Respondents with ZIP codes that are assigned to the rural county within strata 34 are coded as rural (UR\_RHP=2) (see Appendix A for detailed list); the remaining respondents within this strata are considered to be urban (UR\_RHP=1). For the cases that are missing BESTZIP data, the ZIP code the respondent reports in item AM7 is also used in making this assignment (if AM7 >= 90001).
5. UR\_RHP is considered to be not ascertained (-9) for all other cases.

## **UR\_IHS**

### **Rural and Urban – Indian Health Service**

The UR\_IHS variable uses a county-level classification of rural and urban from the Indian Health Service. According to the IHS definition, counties are classified as either urban or rural. All of the strata in the data file (STRATA2) are composed of either rural or urban counties using the IHS definition. In addition, the cities of San Diego, Santa Barbara, and Bakersfield are coded as urban.

1. The cases with respondents who report that they live within a stratum that is composed of urban counties are coded as urban (UR\_IHS=1) (see Appendix 1 for detailed list).
2. The cases with ZIP codes associated with the cities of San Diego, Santa Barbara and Bakersfield are also assigned to the urban category for this variable (UR\_IHS=1) (see Appendix A for detailed list).
3. The cases with respondents who report that they live within a stratum that is composed of rural counties, and are not associated with ZIP codes for the cities of San Diego, Santa Barbara or Bakersfield, are considered to be rural (UR\_IHS=2) (see Appendix A for detailed list).
4. Finally, UR\_IHS is considered to be not ascertained (-9) for all other respondents.

## **Other Constructed Variables**

### **TIMEAD**

#### **Length of Time Lived at Current Address**

The TIMEAD variable is derived from questionnaire items AM14. This variable is continuous and measures the length of time in months the adult respondent has lived at his/her current address.

### **TIMENE**

#### **Length of Time Lived in Current Neighborhood**

The TIMENE variable is derived from questionnaire items AM15. This variable is continuous and measures the length of time in months the adult respondent has lived within his/her current neighborhood. This question is only asked of persons who have lived in their current address for less than three years. Persons who lived in their current residence for more than three years were assigned a value of TIMENE=(-1).



## LANGHOME

### Types of Languages Spoken at Home

The LANGHOME variable indicates the languages spoken in the homes of the respondents. This variable is derived from questionnaire items, AH36\_1 - AH36\_22. The variable takes into account households in which multiple languages are spoken. The LANGHOME variable is created with the categories generated with the LANGTEMP construct variable. First, values are assigned to a LANGTEMP variable based on criteria from questionnaire items, AH36\_1 – AH36\_22. For cases where respondents speak more than two languages, values for LANGTEMP were assigned based on specific criteria.

Next, each case is tested through the following steps until a LANGHOME value can be assigned:

Condition:	LANGHOME value:	LANGHOME label:
If LANGTEMP=1	1	English
If LANGTEMP=2	2	Spanish
If LANGTEMP=3	3	Chinese
If LANGTEMP=4	4	Vietnamese
If LANGTEMP=6	5	Korean
If LANGTEMP= Tagalog (5) Asian Indian Languages (7) Japanese (9) Other Asian language (10)	6	Other One Asian Language
If LANGTEMP= Russian (8) European (11) Farsi (12) Armenian (13) Arabic (14) African/Afro-Asiatic (15) Other language (16)	7	Other one language only
If LANGTEMP=17	8	English and Spanish
If LANGTEMP=18	9	English and Chinese
If LANGTEMP=19	10	English and a European language
If LANGTEMP=20	11	English and another Asian language
If LANGTEMP=21	12	English and one other language
If LANGTEMP=22	13	Other two or more languages
If LANGTEMP=-9	-9	Not ascertained

## SPK\_ENG

### English Use and Proficiency

The SPK\_ENG variable is derived from questionnaire items AH36 and AH37. This variable measures the strength and use of the English language by the adult respondent. Adults who indicate speaking only English (AH36\_1=1) were assigned a value of SPK\_ENG=1. Of those who speak another language, those who indicate speaking English very well (AH37=1) or well (AH37=2) were assigned a value of SPK\_ENG=2. Of those who speak another language, those who indicate speaking English not well (AH37=3) or not at all (AH37=4) were assigned a value of SPK\_ENG=3.

Cases for which the use of English cannot be determined are assigned a value of SPK\_ENG=(-9).

## INTVLANG Language of Interview

The INTVLANG variable indicates the language spoken during the interview by the interviewer and the respondent. This variable was derived from ENGLSPAN (Source Data).

Each case is reassigned to an INTVLANG value based on the following criteria:

Condition:	INTVLANG value:	INTVLANG Label:
If ENGLSPAN=1	1	English
If ENGLSPAN=2	2	Spanish
If ENGLSPAN=3	3	Vietnamese
If ENGLSPAN=4	4	Korean
If ENGLSPAN=5	5	Cantonese
If ENGLSPAN=6	6	Mandarin

## AKWKLNG Time at Main Job, Years in Decimals

AKWKLNG is constructed with questionnaire items, AK7 and AK7UNT. AKWKLNG standardizes the measurement unit of questionnaire item AK7 into years on the job in decimals. The respondents who report the length of time they have worked at their main job in months have their answers converted to years by dividing by 12 and rounded to the nearest whole number.

Another reason for this variable was to present the values in range levels. Please see the data dictionary for details.

Those who are not employed etc., are assigned a skip value (-1) for this variable. Any remaining cases are assigned a not ascertained (-9) value.

## AHCHLDC Amount Per Week Paid for Child Care

Adults who have children under 12 years and used paid child care in last month are also asked in questionnaire item to report how much they paid for these services. Respondents reported the amount they paid in the last month or the amount they paid in a typical week.

In order to convert the amount paid in the last month to a weekly unit, the dollar amount (in whole numbers) was divided by four and rounded to the nearest whole number.

Another reason for creating this variable was to present the amounts paid for childcare in range levels. Please see the data dictionary for details.

A few respondents reported that they used paid childcare in the past month, but they did not make a payment. These cases are assigned a value of zero for this variable.

Adults without children under 12, and those that did not use paid childcare in the last months are assigned a skip value (-1) for this variable.

Any remaining respondents are assigned a not ascertained value (-9).

## AHEDUC

### Educational Attainment

AHEDUC is constructed with questionnaire item AH47.

AHEDUC is constructed by combining values in AH47 in order to create more general categories for education levels.

The values for the educational attainment variable are assigned in the following manner:

Condition:	AHEDUC Value:	AHEDUC Label:
If AH47=1, 2, 3, 4, 5, 6, 7, 8 (grades), or 30 (no formal education)	1	Grade 1 through 8
If AH47=9, 10, or 11 (grades)	2	Grade 9 through 11
If AH47=12 (grade)	3	Grade 12/HS Diploma
If AH47=13, 14, 15, or 22	4	Some college
If AH47=24, 25, or 26	5	Vocational school
If AH47=23	6	AA or AS degree
If AH47=16 or 17 (4 <sup>th</sup> or 5 <sup>th</sup> year at university)	7	BA or BS degree
If AH47=18	8	Some grad school
If AH47=19 or 20	9	MA or MS degree
If AH47=21	10	Ph.D. or equivalent

Note: See F\_AHEDUC for imputation flag.

## MARIT

### Marital Status

The marital status variable is constructed with questionnaire item AH43.

MARIT is constructed by combining values in AH43 in order to create consolidated categories.

The values for the marital status variable are assigned in the following manner:

Condition:	MARIT Value:	MARIT Label:
If AH43=1	1	Married
If AH43=2 (living with partner) or 3 (widowed) or 4 (divorced) or 5 (separated)	2	Other/Widowed/Separated/Divorced/Living with Partner
If AH43=6	3	Never married
If AH43=-7, -8, or -9	-9	Not ascertained

## Cancer Variables

## **AFCANCR1**                      **Type of Cancer - Self**

AFCANCR1 is constructed with questionnaire items AF2\_1 through AF2\_30 (types of cancer respondent has had). The purpose of this variable is to consolidate the multiple yes/no responses in AF2\_1 through AF2\_30 into a single set of categorical responses describing type of cancer. The respondents who report that they have had more than one type of cancer are assigned to a separate category, AFCANCR1=8.

Any respondents who did not report any history of cancer are assigned a skip value (-1). All remaining respondents are assigned a not ascertained value (-9).

## **AFSCAN1**                      **Skin cancer Type - Self**

The AFSCAN1 variable is constructed with questionnaire items AF2A\_1 through AF2A\_3 (types of skin cancer respondent has experienced). The purpose of this variable is to combine the multiple yes/no responses in AF2A\_1 through AF2A\_3 into a single set of categorical responses. Respondents who report a history of more than one type of skin cancer are assigned to a separate type of category (AFSCAN1=8).

Any respondents who did not report any history of skin cancer are assigned a skip value (-1).

All remaining respondents are assigned a not ascertained value (-9).

# Food and Drinks Variables

## **AE\_DAYDR**                      **How Many Times Drinking Alcoholic Beverages Per Month**

AE\_DAYDR is constructed with questionnaire items AE12 and AE12UNT.

AE\_DAYDR standardizes the measurement unit of AE12 into times per month. Questionnaire item AE12 asks respondents to report how many times per day or per week they drank alcoholic beverages during the past month. In order to standardize the variables that capture this information, weekly reports of alcohol intake are converted to monthly reports by multiplying the reported number by 4.

Those who did not report any alcoholic beverage intake are assigned a skip value (-1).

Any respondents who reported alcoholic beverage intake, but refused, or did not know how many times, are assigned a not ascertained value (-9).

# Height and Weight Variables

## **BMI\_P**                              **Body Mass Index for Adults (PUF Recode)**

The recoded body mass index (BMI\_P) variable is constructed in order to provide an indication of whether adults may be underweight or overweight. This variable is derived from questionnaire items AE17FMT, AE18P, AE18K, AE17F, AE17I, AE17M, and AE17C (Source Data).

**Note:** According to the Centers for Disease Control (CDC), a calculation of BMI is possible for both adults and for children who are at least 2 years of age and able to stand up and have their height measured. Although the CDC definition considers adults to be those 21 years or older, in order to remain consistent with the definition of adult for CHIS, BMI values are determined for all respondents who complete the adult survey (age 18 years and older).

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When both height and weight are known for respondents, BMI is calculated using the following formula:

$$\text{Body Mass Index} = \text{Weight in kilograms} / [\text{Height in meters}]^2$$

Height and weight values reported in English units are first converted to the metric system. After the calculation of BMI is complete, each value is rounded to the nearest two decimal points and is assigned to the corresponding range of the BMI\_P variable (see range levels listed in data dictionary).

BMI\_P values above 80 are top coded at 80 and any BMI\_P values between 0 and 10 are bottom coded with a value of 10.

Respondents with unknown weight or height (-7, -8, -9, or <1), in both the English and Metric variables, are assigned a not ascertained (-9) value for BMI.

## **HGHTM\_P**                      **Height – Meters (PUF Recode)**

HGTM\_P standardizes the measurement unit of the source height variables into meters.

Height values reported in metric units are first consolidated in the following manner:

(AE17M + AE17C/100) and rounding to the nearest tenth decimal point.

Next, the height values reported in English units are converted to the metric system:

(AE17F\*0.3048 + AE17I\*0.0254) and rounding to the nearest tenth decimal point.

Top code: 2 meters.

## **HEIGHM\_P**                      **Height – Meters (UCLA) (PUF Recode)**

The HEIGHM\_P variable is a UCLA construct that is used to standardize the measurement unit of the source height variables into meters.

Height values reported in English units are first converted to the metric system:

(AE17F\*12+AE17I)\*2.54/100) and rounding to the nearest tenth decimal point.

Next, the height values reported in metric units are first consolidated in the following manner:

AE17M+AE17C/100 and rounding to the nearest tenth decimal point.

Top code: 2 meters.

## **HGHTI\_P**                      **Height – Inches (PUF Recode)**

HGTI\_P standardizes the measurement unit of the source height variables into inches.

Height values reported in English units are first consolidated in the following manner:

$$(AE17R*12 + AE17I)$$

Next, the height values reported in metric units are converted to inches:

$$(AE17M*39.37 + AE17C*.3937)$$
 and rounding to the nearest tenth decimal point.

Top code: 77 inches.

## **WGHTK\_P**                      **Weight – Kilograms (PUF Recode)**

WGHTK\_P standardizes the measurement unit of the source weight variables into kilograms.

Weight values reported in pounds are converted to kilograms in the following manner:

$$(AE18P*0.4535925)$$
 – conversion from pounds to kilograms

Top code: 150 kilos.

## **WEIGHK\_P**                      **Weight – Kilograms (UCLA) (PUF Recode)**

The WEIGHK\_P variable standardizes the measurement unit of the source weight variables into kilograms using the UCLA definition of conversion.

Weight values reported in pounds are converted to kilograms in the following manner:

$$AE18P*.45359237$$

## **WGHTP\_P**                      **Weight – Pounds (PUF Recode)**

WGHTP\_P standardizes the measurement unit of the source weight variables into pounds.

Weight values reported in kilograms are converted to pounds in the following manner:

$$(AE19K/0.4535925)$$
 – conversion from kilograms to pounds.

Top code: 330 lbs.

## **WT18K\_P**                      **Weight at Age 18 – Kilograms (PUF Recode)**

WT18K\_P is constructed with questionnaire items AE19K and AE19FMT

WT18K\_P standardizes the measurement unit of AE19 and AE19UNT into kilograms.

Weight values reported in pounds are converted to kilograms in the following manner:

$$(AE18P*0.4535925)$$
 – conversion from pounds to kilograms

Top code: 150 kilos.

## **WT18P\_P**

### **Weight at Age 18 – Pounds (PUF Recode)**

WT18P\_P is constructed with questionnaire items AE18 and AE18FMT.

WT18P\_P standardizes the measurement unit of AE18 and AE18FMT into pounds.

Weight values reported in kilograms are converted to pounds in the following manner:

(AE18K/0.4535925)

Top Code: 330 lbs.

# Appendix A

## Urban and Rural Specifications

### Rural and Urban – Claritas

#### Claritas – Urban

90001, 90002, 90003, 90004, 90005, 90006, 90007, 90008, 90010, 90011, 90012, 90013,  
 90014, 90015, 90016, 90017, 90018, 90019, 90020, 90021, 90022, 90023, 90024, 90025,  
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 90278, 90280, 90291, 90292, 90301, 90302, 90303, 90304, 90305, 90401, 90403, 90404,  
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Claritas - Second City

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 93728, 93901, 93905, 93906, 93908, 93922, 93940, 93943, 93950, 93953, 93955, 94509,  
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PO Box (2<sup>nd</sup> City): 91359, 92046, 92030, 92150, 92244, 92589, 92694, 93093, 93102, 93539,  
 93586, 93786, 94531, 94522, 94581, 94701, 94712, 95063, 95201, 95241, 95353, 95381,  
 95406, 95402, 95929, 95992

Claritas - Suburban

90049, 90073, 90077, 90210, 90245, 90272, 90274, 90275, 90290, 90293, 90402, 90602, 90603, 90604, 90631, 90710, 90717, 90720, 90731, 90732, 90742, 90743, 90744, 90745, 90746, 91001, 91006, 91010, 91011, 91016, 91020, 91023, 91024, 91040, 91042, 91043, 91046, 91104, 91107, 91108, 91201, 91208, 91214, 91302, 91303, 91304, 91307, 91311, 91326, 91342, 91344, 91352, 91353, 91355, 91364, 91367, 91371, 91381, 91403, 91423, 91436, 91501, 91502, 91504, 91506, 91618, 91701, 91702, 91709, 91711, 91722, 91723, 91724, 91730, 91737, 91739, 91740, 91741, 91743, 91744, 91745, 91748, 91750, 91752, 91759, 91761, 91764, 91765, 91773, 91784, 91789, 91791, 91792, 91902, 91908, 91913, 91914, 91942, 91943, 91976, 91977, 91978, 92008, 92009, 92014, 92019, 92020, 92021, 92029, 92037, 92038, 92040, 92057, 92064, 92067, 92069, 92071, 92072, 92078, 92096, 92106, 92117, 92119, 92121, 92122, 92123, 92124, 92126, 92127, 92129, 92130, 92131, 92313, 92318, 92336, 92337, 92346, 92350, 92352, 92354, 92369, 92373, 92374, 92377, 92378, 92385, 92391, 92399, 92407, 92408, 92501, 92506, 92507, 92508, 92509, 92551, 92571, 92602, 92604, 92606, 92610, 92612, 92614, 92618, 92620, 92624, 92625, 92647, 92649, 92650, 92651, 92652, 92656, 92657, 92660, 92661, 92662, 92672, 92673, 92675, 92677, 92678, 92679, 92688, 92692, 92782, 92807, 92808, 92811, 92821, 92823, 92831, 92835, 92845, 92861, 92862, 92865, 92867, 92869, 92870, 92886, 92887, 93001, 93003, 93004, 93005, 93007, 93010, 93012, 93042, 93108, 93110, 93111, 93116, 93117, 93220, 93306, 93308, 93309, 93311, 93313, 93383, 93551, 93563, 93611, 93626, 93711, 93720, 93722, 94002, 94005, 94010, 94022, 94023, 94024, 94025, 94026, 94027, 94030, 94035, 94037, 94040, 94043, 94044, 94061, 94062, 94063, 94064, 94066, 94070, 94080, 94083, 94085, 94088, 94089, 94130, 94301, 94303, 94304, 94305, 94306, 94502, 94507, 94510, 94513, 94516, 94517, 94521, 94525, 94526, 94528, 94530, 94538, 94539, 94546, 94547, 94548, 94549, 94552, 94553, 94556, 94560, 94561, 94563, 94564, 94569, 94570, 94572, 94575, 94586, 94589, 94598, 94611, 94618, 94707, 94708, 94709, 94720, 94803, 94804, 94805, 94806, 94903, 94920, 94930, 94941, 94945, 94947, 94949, 94957, 94960, 94965, 94966, 94978, 94979, 95001, 95002, 95003, 95010, 95017, 95030, 95032, 95035, 95054, 95060, 95070, 95071, 95073, 95119, 95120, 95123, 95131, 95132, 95134, 95135, 95138, 95139, 95141, 95208, 95209, 95212, 95215, 95219, 95307, 95319, 95355, 95357, 95358, 95367, 95409, 95439, 95534, 95624, 95626, 95628, 95630, 95655, 95661, 95662, 95670, 95673, 95677, 95678, 95691, 95741, 95742, 95746, 95747, 95758, 95763, 95826, 95827, 95828, 95829, 95831, 95833, 95834, 95838, 95843

PO Box (Suburban): 90213, 90734, 91003, 91025, 91117, 91221, 91380, 91365, 91729, 91714, 92018, 92013, 92092, 92177, 92196, 92375, 92423, 92517, 92519, 92605, 92834, 92846, 92863, 93002, 93107, 93303, 94012, 94912, 94914, 94948, 95031, 95056, 95061, 95153, 95101, 95102, 95798

Claritas - Small Town Exurban

90263, 90265, 90704, 91310, 91384, 91901, 91903, 91935, 91962, 91963, 92028, 92055,  
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 92223, 92225, 92240, 92251, 92253, 92258, 92268, 92277, 92278, 92284, 92286, 92304, 92307,  
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 96140, 96143, 96150, 96151, 96152, 96154, 96155, 96156, 96157, 96158

PO Box (Small town-Exurban): 93246, 93912, 95473, 91387, 91390

Rural and urban – IHS

IHS - Urban

STRATA2:

1, 3, 4, 7, 8, 9, 11, 12, 13, 15, 17, 19, 21, 22, 23, 25, 31, 34

(Los Angeles, Orange, Santa Clara, Alameda, Sacramento, Contra Costa, San Francisco, Ventura, San Mateo, San Joaquin, Stanislaus, Solano, Santa Cruz, Marin, San Luis Obispo, Merced, Napa, Monterey/San Benito.)

San Diego ZIP codes:

92103, 92104, 92105, 92106, 92107, 92108, 92109, 92110, 92111, 92112, 92113, 92114, 92115, 92116, 92117, 92118, 92119, 92120, 92121, 92122, 92123, 92124, 92126, 92127, 92128, 92129, 92130, 92131, 92132, 92133, 92134, 92135, 92136, 92137, 92138, 92139, 92140, 92142, 92143, 92145, 92147, 92149, 92150, 92152, 92153, 92154, 92155, 92158, 92159, 92160, 92161, 92162, 92163, 92164, 92165, 92166, 92167, 92168, 92169, 92170, 92171, 92172, 92173, 92174, 92175, 92176, 92177, 92178, 92179, 92182, 92184, 92186, 92187, 92190, 92191, 92192, 92193, 92194, 92195, 92196, 92197, 92198, 92199

Santa Barbara ZIP codes:

93101, 93102, 93103, 93105, 93106, 93107, 93108, 93109, 93110, 93111, 93116, 93117, 93118, 93120, 93121, 93130, 93140, 93150, 93160, 93190, 93199

Bakersfield ZIP codes:

93301, 93302, 93303, 93304, 93305, 93306, 93307, 93308, 93309, 93311, 93312, 93313, 93380, 93381, 93382, 93383, 93384, 93385, 93386, 93387, 93388, 93389, 93390

Rural and Urban – OMB

OMB - Metropolitan

STRATA2:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 33

(Los Angeles, San Diego, Orange, Santa Clara, San Bernardino, Riverside, Alameda, Sacramento, Contra Costa, Fresno, San Francisco, Ventura, San Mateo, Kern, San Joaquin, Sonoma, Stanislaus, Santa Barbara, Solano, Tulare, Santa Cruz, Marin, San Luis Obispo, Pacer, Merced, Butte, Shasta, Yolo, El Dorado, Napa, Madera)

In stratum 34 (Monterey/San Benito) and ZIP code is not 95023, 95024, 95043, 95045, or 95075.

OMB - Non-Metropolitan

STRATA2:

30, 32, 35, 36, 37, 38, 39, 40, 41

(Imperial, Kings, Humboldt/Del Norte, Siskiyou/Lassen/Trinity/Modoc, Mendicino/Lake, Tehama/Colusa/Glenn, Sutter/Yuba, Nevada/Sierra/Plumas, Tuolumne/Mariposa/Calaveras/Mono/Amador/Alpine/Inyo.)

In stratum 34 (Monterey/San Benito) and ZIP code is 95023, 95024, 95043, 95045, or 95075.

RHP - Rural

STRATA2:

30, 32, 35, 36, 37, 38, 39, 40, 41

(Imperial, Kings, Humboldt/Del Norte, Siskiyou/Lassen/Trinity/Modoc, Mendocino/Lake, Tehama/Colusa/Glenn, Sutter/Yuba, Nevada/Sierra/Plumas, Tuolumne/Mariposa/Calaveras/Mono/Amador/Alpine/Inyo.)

In stratum 34 (Monterey/San Benito) and ZIP code is 95023, 95024, 95043, 95045, 95075.

Rural ZIP codes (within large urban counties):

95925, 95948, 95954, 95967, 95969, 95978, 95619, 95623, 95629, 95633, 95634, 95635, 95636, 95643, 95646, 95651, 95656, 95667, 95684, 95709, 95720, 95721, 95726, 95735, 96142, 96150, 96151, 96152, 96154, 96155, 96156, 96157, 96158, 93210, 93234, 93242, 93514, 93609, 93618, 93620, 93622, 93631, 93638, 93646, 93648, 93654, 93656, 93657, 93662, 93205, 93215, 93216, 93224, 93226, 93238, 93240, 93249, 93250, 93252, 93255, 93268, 93280, 93283, 93285, 93287, 93501, 93502, 93504, 93505, 93516, 93523, 93524, 93527, 93555, 93556, 93596, 90704, 93601, 93610, 93637, 93639, 93644, 93635, 93661, 93665, 95301, 95312, 95322, 95324, 95334, 95369, 95374, 95380, 95381, 95388, 95602, 95603, 95604, 95724, 96140, 96143, 96145, 96148, 96160, 96161, 96162, 92220, 92223, 92225, 92226, 92230, 92241, 92258, 92276, 92282, 92563, 92589, 92590, 92591, 92592, 92593, 92242, 92252, 92267, 92268, 92277, 92278, 92280, 92284, 92304, 92309, 92310, 92311, 92312, 92314, 92319, 92323, 92332, 92338, 92347, 92363, 92364, 92366, 92398, 92004, 95336, 95337, 95361, 95376, 95378, 93422, 93423, 93428, 93432, 93446, 93447, 93453, 93465, 93460, 93463, 93464, 95020, 95021, 95023, 95360, 96047, 96059, 94515, 94952, 94954, 94955, 95416, 95433, 95476, 95316, 95363, 95382, 93207, 93208, 93212, 93218, 93221, 93247, 93256, 93257, 93258, 93260, 93265, 93267, 93270, 93272, 93274, 93275, 93282, 93286, 93542, 93615, 93647, 93673, 93015, 93016, 93040

RHP - Urban

STRATA2:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31 or 33 and not a designated rural ZIP code (see "rural" ZIP codes above)

(Los Angeles, San Diego, Orange, Santa Clara, San Bernardino, Riverside, Alameda, Sacramento, Contra Costa, Fresno, San Francisco, Ventura, San Mateo, Kern, San Joaquin, Sonoma, Stanislaus, Santa Barbara, Solano, Tulare, Santa Cruz, Marin, San Luis Obispo, Pacer, Merced, Butte, Shasta, Yolo, El Dorado, Napa, Madera)

In stratum 34 (Monterey/San Benito) and ZIP code is not 95023, 95024, 95043, 95045, 95075.

# Appendix B

## Main Occupation (IOCCCD4)

### Occupation Classification Codes for Detailed Occupational Categories (3 digits)

Current Population Survey Manual

"-1" ="INAPPLICABLE "  
 "-9" ="NOT ASCERTAINED "  
 "0010" ="CHIEF EXECUTIVES "  
 "0020" ="GENERAL AND OPERATIONS MANAGERS "  
 "0030" ="LEGISLATORS "  
 "0040" ="ADVERTISING AND PROMOTIONS MANAGERS "  
 "0050" ="MARKETING AND SALES MANAGERS "  
 "0060" ="PUBLIC RELATIONS MANAGERS "  
 "0100" ="ADMINISTRATIVE SERVICES MANAGERS "  
 "0110" ="COMPUTER AND INFORMATION SYSTEMS MANAGER "  
 "0120" ="FINANCIAL MANAGERS "  
 "0130" ="HUMAN RESOURCES MANAGERS "  
 "0140" ="INDUSTRIAL PRODUCTION MANAGERS "  
 "0150" ="PURCHASING MANAGERS "  
 "0160" ="TRANSPORTATION, STORAGE, AND DISTRIBUTION MANAGERS "  
 "0200" ="FARM, RANCH, AND OTHER AGRICULTURAL MANAGERS "  
 "0210" ="FARMERS AND RANCHERS "  
 "0220" ="CONSTRUCTION MANAGERS "  
 "0230" ="EDUCATION ADMINISTRATORS "  
 "0300" ="ENGINEERING MANAGERS "  
 "0310" ="FOOD SERVICE MANAGERS "  
 "0320" ="FUNERAL DIRECTORS "  
 "0330" ="GAMING MANAGERS "  
 "0340" ="LODGING MANAGERS "  
 "0350" ="MEDICAL AND HEALTH SERVICES MANAGERS "  
 "0360" ="NATURAL SCIENCES MANAGERS "  
 "0400" ="POSTMASTERS AND MAIL SUPERINTENDENTS "  
 "0410" ="PROPERTY, REAL ESTATE, COMMUNITY ASSOCIATION MANAGERS "  
 "0420" ="SOCIAL AND COMMUNITY SERVICE MANAGERS "  
 "0430" ="MANAGERS, ALL OTHER "  
 "0500" ="AGENTS AND BUSINESS MANAGERS OF ARTISTS, " "  
 "0510" ="PURCHASING AGENTS/BUYERS, FARM PRODUCTS " "  
 "0520" ="WHOLESALE AND RETAIL BUYERS, EXCEPT FARM " "  
 "0530" ="PURCHASING AGENTS, EXCEPT WHOLESALE, RETAIL " "  
 "0540" ="CLAIMS ADJUSTERS, APPRAISERS, EXAMINERS, " "  
 "0560" ="COMPLIANCE OFFICERS, EXCEPT AGRICULTURE, " "  
 "0600" ="COST ESTIMATORS " "  
 "0620" ="HUMAN RESOURCES, TRAINING, AND LABOR RELATIONS " "  
 "0700" ="LOGISTICIANS " "  
 "0710" ="MANAGEMENT ANALYSTS " "  
 "0720" ="MEETING AND CONVENTION PLANNERS " "  
 "0730" ="OTHER BUSINESS OPERATIONS SPECIALISTS " "  
 "0800" ="ACCOUNTANTS AND AUDITORS " "  
 "0810" ="APPRAISERS AND ASSESSORS OF REAL ESTATE " "  
 "0820" ="BUDGET ANALYSTS " "

"0830" ="CREDIT ANALYSTS "  
 "0840" ="FINANCIAL ANALYSTS "  
 "0850" ="PERSONAL FINANCE ADVISORS "  
 "0860" ="INSURANCE UNDERWRITERS "  
 "0900" ="FINANCIAL EXAMINERS "  
 "0910" ="LOAN COUNSELORS AND OFFICERS "  
 "0930" ="TAX EXAMINERS, COLLECTORS, AND REVENUE A "  
 "0940" ="TAX PREPARERS "  
 "0950" ="FINANCIAL SPECIALISTS, ALL OTHER "  
 "1000" ="COMPUTER SCIENTISTS AND SYSTEMS ANALYSTS "  
 "1010" ="COMPUTER PROGRAMMERS "  
 "1020" ="COMPUTER SOFTWARE ENGINEERS "  
 "1040" ="COMPUTER SUPPORT SPECIALISTS "  
 "1060" ="DATABASE ADMINISTRATORS "  
 "1100" ="NETWORK AND COMPUTER SYSTEMS ADMINISTRAT "  
 "1110" ="NETWORK SYSTEMS/DATA COMMUNICATIONS ANAL "  
 "1200" ="ACTUARIES "  
 "1210" ="MATHEMATICIANS "  
 "1220" ="OPERATIONS RESEARCH ANALYSTS "  
 "1230" ="STATISTICIANS "  
 "1240" ="MISCELLANEOUS MATHEMATICAL OCCUPATIONS "  
 "1300" ="ARCHITECTS, EXCEPT NAVAL "  
 "1310" ="SURVEYORS, CARTOGRAPHERS, PHOTOGRAMMETRI "  
 "1320" ="AEROSPACE ENGINEERS "  
 "1330" ="AGRICULTURE ENGINEERS "  
 "1340" ="BIOMEDICAL ENGINEERS "  
 "1350" ="CHEMICAL ENGINEERS "  
 "1360" ="CIVIL ENGINEERS "  
 "1400" ="COMPUTER HARDWARE ENGINEERS "  
 "1410" ="ELECTRICAL AND ELECTRONICS ENGINEERS "  
 "1420" ="ENVIRONMENTAL ENGINEERS "  
 "1430" ="INDUSTRIAL ENGINEERS, INCLUDING HEALTH "  
 "1440" ="MARINE ENGINEERS AND NAVAL ARCHITECTS "  
 "1450" ="MATERIALS ENGINEERS "  
 "1460" ="MECHANICAL ENGINEERS "  
 "1500" ="MINING AND GEOLOGICAL ENGINEERS "  
 "1510" ="NUCLEAR ENGINEERS "  
 "1520" ="PETROLEUM ENGINEERS "  
 "1530" ="ENGINEERS, ALL OTHER "  
 "1540" ="DRAFTERS "  
 "1550" ="ENGINEERING TECHNICIANS, EXCEPT DRAFTERS "  
 "1560" ="SURVEYING AND MAPPING TECHNICIANS "  
 "1600" ="AGRICULTURAL AND FOOD SCIENTISTS "  
 "1610" ="BIOLOGICAL SCIENTISTS "  
 "1640" ="CONSERVATION SCIENTISTS AND FORESTERS "  
 "1650" ="MEDICAL SCIENTISTS "  
 "1700" ="ASTRONOMERS AND PHYSICISTS "  
 "1710" ="ATMOSPHERIC AND SPACE SCIENTISTS "  
 "1720" ="CHEMISTS AND MATERIALS SCIENTISTS "  
 "1740" ="ENVIRONMENTAL SCIENTISTS AND GEOSCIENTIS "  
 "1760" ="PHYSICAL SCIENTISTS, ALL OTHER "  
 "1800" ="ECONOMISTS "  
 "1810" ="MARKET AND SURVEY RESEARCHERS "  
 "1820" ="PSYCHOLOGISTS "  
 "1830" ="SOCIOLOGISTS "  
 "1840" ="URBAN AND REGIONAL PLANNERS "  
 "1860" ="MISCELLANEOUS SOCIAL SCIENTISTS AND RELA "



"1900" ="AGRICULTURE AND FOODS SCIENCE TECHNICIAN "  
 "1910" ="BIOLOGICAL TECHNICIANS "  
 "1920" ="CHEMICAL TECHNICIANS "  
 "1930" ="GEOLOGICAL AND PETROLEUM TECHNICIANS "  
 "1940" ="NUCLEAR TECHNICIANS "  
 "1960" ="OTHER LIFE/PHYSICAL/SOCIAL SCIENCE TECHN "  
 "2000" ="COUNSELORS "  
 "2010" ="SOCIAL WORKERS "  
 "2020" ="MISCELLANEOUS COMMUNITY / SOCIAL SERVICE "  
 "2040" ="CLERGY "  
 "2050" ="DIRECTORS, RELIGIOUS ACTIVITIES AND EDUC "  
 "2060" ="RELIGIOUS WORKERS, ALL OTHER "  
 "2100" ="LAWYERS "  
 "2110" ="JUDGES, MAGISTRATES, JUDICIAL WORKERS "  
 "2140" ="PARALEGALS AND LEGAL ASSISTANTS "  
 "2150" ="MISCELLANEOUS LEGAL SUPPORT WORKERS "  
 "2200" ="POSTSECONDARY TEACHERS "  
 "2300" ="PRESCHOOL AND KINDERGARTEN TEACHERS "  
 "2310" ="ELEMENTARY AND MIDDLE SCHOOL TEACHERS "  
 "2320" ="SECONDARY SCHOOL TEACHERS "  
 "2330" ="SPECIAL EDUCATION TEACHERS "  
 "2340" ="OTHER TEACHERS AND INSTRUCTORS "  
 "2400" ="ARCHIVISTS, CURATORS, MUSEUM TECHNICIANS "  
 "2430" ="LIBRARIANS "  
 "2440" ="LIBRARY TECHNICIANS "  
 "2540" ="TEACHER ASSISTANTS "  
 "2550" ="OTHER EDUCATION, TRAINING, LIBRARY WORKE "  
 "2600" ="ARTISTS AND RELATED WORKERS "  
 "2630" ="DESIGNERS "  
 "2700" ="ACTORS "  
 "2710" ="PRODUCERS AND DIRECTORS "  
 "2720" ="ATHLETES, COACHES, UMPIRES, AND RELATED "  
 "2740" ="DANCERS AND CHOREOGRAPHERS "  
 "2750" ="MUSICIANS, SINGERS, AND RELATED WORKERS "  
 "2760" ="ENTERTAINERS AND PERFORMERS, SPORTS AND "  
 "2800" ="ANNOUNCERS "  
 "2810" ="NEWS ANALYSTS, REPORTERS AND CORRESPONDE "  
 "2820" ="PUBLIC RELATIONS SPECIALISTS "  
 "2830" ="EDITORS "  
 "2840" ="TECHNICAL WRITERS "  
 "2850" ="WRITERS AND AUTHORS "  
 "2860" ="MISCELLANEOUS MEDIA AND COMMUNICATION WO "  
 "2900" ="BROADCAST AND SOUND ENGINEERING TECHNICI "  
 "2910" ="PHOTOGRAPHERS "  
 "2920" ="CAMERA OPERATORS AND EDITORS "  
 "2960" ="MEDIA AND COMMUNICATION EQUIPMENT WORKER "  
 "3000" ="CHIROPRACTORS "  
 "3010" ="DENTISTS "  
 "3030" ="DIETITIANS AND NUTRITIONISTS "  
 "3040" ="OPTOMETRISTS "  
 "3050" ="PHARMACISTS "  
 "3060" ="PHYSICIANS AND SURGEONS "  
 "3110" ="PHYSICIAN ASSISTANTS "  
 "3120" ="PODIATRISTS "  
 "3130" ="REGISTERED NURSES "  
 "3140" ="AUDIOLOGISTS "  
 "3150" ="OCCUPATIONAL THERAPISTS "

"3160" ="PHYSICAL THERAPISTS "  
 "3200" ="RADIATION THERAPISTS "  
 "3210" ="RECREATIONAL THERAPISTS "  
 "3220" ="RESPIRATORY THERAPISTS "  
 "3230" ="SPEECH LANGUAGE PATHOLOGISTS "  
 "3240" ="THERAPISTS, ALL OTHER "  
 "3250" ="VETERINARIANS "  
 "3260" ="HEALTH DIAGNOSING AND TREATING PRACTITIO "  
 "3300" ="CLINICAL LABORATORY TECHNOLOGISTS AND TE "  
 "3310" ="DENTAL HYGIENISTS "  
 "3320" ="DIAGNOSTIC RELATED TECHNOLOGISTS AND TEC "  
 "3400" ="EMERGENCY MEDICAL TECHNICIANS AND PARAME "  
 "3410" ="HEALTH DIAGNOSING AND TREATING PRACTITIO "  
 "3500" ="LICENSED PRACTICAL AND VOCATIONAL NURSES "  
 "3510" ="MEDICAL RECORDS AND HEALTH INFORMATION T "  
 "3520" ="OPTICIANS, DISPENSING "  
 "3530" ="MISCELLANEOUS HEALTH TECHNOLOGISTS AND T "  
 "3540" ="OTHER HEALTHCARE PRACTITIONERS AND TECHN "  
 "3600" ="NURSING, PSYCHIATRIC, HOME HEALTH AIDES "  
 "3610" ="OCCUPATIONAL THERAPIST ASSISTANTS AND AI "  
 "3620" ="PHYSICAL THERAPIST ASSISTANTS AND AIDES "  
 "3630" ="MASSAGE THERAPISTS "  
 "3640" ="DENTAL ASSISTANTS "  
 "3650" ="MEDICAL ASSISTANTS AND OTHER HEALTHCARE "  
 "3700" ="FIRST-LINE SUPERVISORS OF CORRECTIONAL O "  
 "3710" ="FIRST-LINE SUPERVISORS OF POLICE AND DET "  
 "3720" ="FIRST-LINE SUPERVISORS OF FIRE FIGHTING "  
 "3730" ="SUPERVISORS, PROTECTIVE SERVICE WORKERS, "  
 "3740" ="FIRE FIGHTERS "  
 "3750" ="FIRE INSPECTORS "  
 "3800" ="BAILIFFS, CORRECTIONAL OFFICERS, JAILERS "  
 "3820" ="DETECTIVES AND CRIMINAL INVESTIGATORS "  
 "3830" ="FISH AND GAME WARDENS "  
 "3840" ="PARKING ENFORCEMENT WORKERS "  
 "3850" ="POLICE AND SHERIFF PATROL OFFICERS "  
 "3860" ="TRANSIT AND RAILROAD POLICE "  
 "3900" ="ANIMAL CONTROL WORKERS "  
 "3910" ="PRIVATE DETECTIVES AND INVESTIGATORS "  
 "3920" ="SECURITY GUARDS AND GAMING SURVEILLANCE "  
 "3940" ="CROSSING GUARDS "  
 "3950" ="LIFEGUARDS AND OTHER PROTECTIVE SERVICE "  
 "4000" ="CHEFS AND HEAD COOKS "  
 "4010" ="FIRST-LINE SUPERVISORS OF FOOD PREPARATI "  
 "4020" ="COOKS "  
 "4030" ="FOOD PREPARATION WORKERS "  
 "4040" ="BARTENDERS "  
 "4050" ="COMBINED FOOD PREPARATION AND SERVING WO "  
 "4060" ="COUNTER ATTENDANTS, CAFETERIA, FOOD CONC "  
 "4110" ="WAITERS AND WAITRESSES "  
 "4120" ="FOOD SERVERS, NONRESTAURANT "  
 "4130" ="DINING ROOM AND CAFETERIA ATTENDANTS AND "  
 "4140" ="DISHWASHERS "  
 "4150" ="HOSTS AND HOSTESSES, RESTAURANT, LOUNGE, "  
 "4160" ="FOOD PREPARATION AND SERVING RELATED WOR "  
 "4200" ="FIRST-LINE SUPERVISORS OF HOUSEKEEPING A "  
 "4210" ="FIRST-LINE SUPERVISORS OF LANDSCAPING, L "  
 "4220" ="JANITORS AND BUILDING CLEANERS "

"4230" ="MAIDS AND HOUSEKEEPING CLEANERS "  
 "4240" ="PEST CONTROL WORKERS "  
 "4250" ="GROUNDS MAINTENANCE WORKERS "  
 "4300" ="FIRST-LINE SUPERVISORS OF GAMING WORKERS "  
 "4320" ="FIRST-LINE SUPERVISORS OF PERSONAL SERVI "  
 "4340" ="ANIMAL TRAINERS "  
 "4350" ="NONFARM ANIMAL CARETAKERS "  
 "4400" ="GAMING SERVICES WORKERS "  
 "4410" ="MOTION PICTURE PROJECTIONISTS "  
 "4420" ="USHERS, LOBBY ATTENDANTS, AND TICKET TAK "  
 "4430" ="MISCELLANEOUS ENTERTAINMENT ATTENDANTS A "  
 "4460" ="FUNERAL SERVICE WORKERS "  
 "4500" ="BARBERS "  
 "4510" ="HAIRDRESSERS, HAIRSTYLISTS, COSMETOLOGIS "  
 "4520" ="MISCELLANEOUS PERSONAL APPEARANCE WORKER "  
 "4530" ="BAGGAGE PORTERS, BELLHOPS, AND CONCIERGE "  
 "4540" ="TOUR AND TRAVEL GUIDES "  
 "4550" ="TRANSPORTATION ATTENDANTS "  
 "4600" ="CHILD CARE WORKERS "  
 "4610" ="PERSONAL AND HOME CARE AIDES "  
 "4620" ="RECREATION AND FITNESS WORKERS "  
 "4640" ="RESIDENTIAL ADVISORS "  
 "4650" ="PERSONAL CARE AND SERVICE WORKERS, ALL O "  
 "4700" ="FIRST-LINE SUPERVISORS OF RETAIL SALES W "  
 "4710" ="FIRST-LINE SUPERVISORS OF NON-RETAIL SAL "  
 "4720" ="CASHIERS "  
 "4740" ="COUNTER AND RENTAL CLERKS "  
 "4750" ="PARTS SALESPERSONS "  
 "4760" ="RETAIL SALESPERSONS "  
 "4800" ="ADVERTISING SALES AGENTS "  
 "4810" ="INSURANCE SALES AGENTS "  
 "4820" ="SECURITIES, COMMODITIES, FINANCIAL SERVI "  
 "4830" ="TRAVEL AGENTS "  
 "4840" ="SALES REPRESENTATIVES, SERVICES, ALL OTH "  
 "4850" ="SALES REPRESENTATIVES, WHOLESALE AND MAN "  
 "4900" ="MODELS, DEMONSTRATORS, AND PRODUCT PROMO "  
 "4920" ="REAL ESTATE BROKERS AND SALES AGENTS "  
 "4930" ="SALES ENGINEERS "  
 "4940" ="TELEMARKETERS "  
 "4950" ="DOOR-TO-DOOR SALES WORKERS, STREET VENDO "  
 "4960" ="SALES AND RELATED WORKERS, ALL OTHER "  
 "5000" ="FIRST-LINE SUPERVISORS OF OFFICE WORKERS "  
 "5010" ="SWITCHBOARD OPERATORS, INCLUDING ANSWERI "  
 "5020" ="TELEPHONE OPERATORS "  
 "5030" ="COMMUNICATIONS EQUIPMENT OPERATORS, ALL "  
 "5100" ="BILL AND ACCOUNT COLLECTORS "  
 "5110" ="BILLING AND POSTING CLERKS, MACHINE OPER "  
 "5120" ="BOOKKEEPING, ACCOUNTING, AND AUDITING CL "  
 "5130" ="GAMING CAGE WORKERS "  
 "5140" ="PAYROLL AND TIMEKEEPING CLERKS "  
 "5150" ="PROCUREMENT CLERKS "  
 "5160" ="TELLERS "  
 "5200" ="BROKERAGE CLERKS "  
 "5210" ="CORRESPONDENCE CLERKS "  
 "5220" ="COURT, MUNICIPAL, AND LICENSE CLERKS "  
 "5230" ="CREDIT AUTHORIZERS, CHECKERS, AND CLERKS "  
 "5240" ="CUSTOMER SERVICE REPRESENTATIVES "

"5250" ="ELIGIBILITY INTERVIEWERS, GOVERNMENT PRO "  
 "5260" ="FILE CLERKS "  
 "5300" ="HOTEL, MOTEL, AND RESORT DESK CLERKS "  
 "5310" ="INTERVIEWERS, EXCEPT ELIGIBILITY AND LOA "  
 "5320" ="LIBRARY ASSISTANTS, CLERICAL "  
 "5330" ="LOAN INTERVIEWERS AND CLERKS "  
 "5340" ="NEW ACCOUNTS CLERKS "  
 "5350" ="ORDER CLERKS "  
 "5360" ="HUMAN RESOURCES ASSISTANT, EXCEPT PAYROL "  
 "5400" ="RECEPTIONISTS AND INFORMATION CLERKS "  
 "5410" ="RESERVATION, TRANSPORTATION TICKET AGENT "  
 "5420" ="INFORMATION AND RECORD CLERKS, ALL OTHER "  
 "5500" ="CARGO AND FREIGHT AGENTS "  
 "5510" ="COURIERS AND MESSENGERS "  
 "5520" ="DISPATCHERS "  
 "5530" ="METER READERS, UTILITIES "  
 "5540" ="POSTAL SERVICE CLERKS "  
 "5550" ="POSTAL SERVICE MAIL CARRIERS "  
 "5560" ="POSTAL SERVICE MAIL SORTERS, PROCESSORS, "  
 "5600" ="PRODUCTION, PLANNING, EXPEDITING CLERKS "  
 "5610" ="SHIPPING, RECEIVING, AND TRAFFIC CLERKS "  
 "5620" ="STOCK CLERKS AND ORDER FILLERS "  
 "5630" ="WEIGHERS, MEASURERS, CHECKERS, AND SAMPL "  
 "5700" ="SECRETARIES AND ADMINISTRATIVE ASSISTANT "  
 "5800" ="COMPUTER OPERATORS "  
 "5810" ="DATA ENTRY KEYERS "  
 "5820" ="WORD PROCESSORS AND TYPISTS "  
 "5830" ="DESKTOP PUBLISHERS "  
 "5840" ="INSURANCE CLAIMS AND POLICY PROCESSING C "  
 "5850" ="MAIL CLERKS AND MAIL MACHINE OPERATORS, "  
 "5860" ="OFFICE CLERKS, GENERAL "  
 "5900" ="OFFICE MACHINE OPERATORS, EXCEPT COMPUTE "  
 "5910" ="PROOFREADERS AND COPY MARKERS "  
 "5920" ="STATISTICAL ASSISTANTS "  
 "5930" ="OFFICE AND ADMINISTRATIVE SUPPORT WORKER "  
 "6000" ="FIRST-LINE SUPERVISORS OF FARMING, FISHI "  
 "6010" ="AGRICULTURAL INSPECTORS "  
 "6020" ="ANIMAL BREEDERS "  
 "6040" ="GRADERS AND SORTERS, AGRICULTURAL PRODUC "  
 "6050" ="OTHER AGRICULTURAL WORKERS , "  
 "6100" ="FISHERS AND RELATED FISHING WORKERS "  
 "6110" ="HUNTERS AND TRAPPERS "  
 "6120" ="FOREST AND CONSERVATION WORKERS "  
 "6130" ="LOGGING WORKERS "  
 "6200" ="FIRST-LINE SUPERVISOR OF CONSTRUCTION TR "  
 "6210" ="BOILERMAKERS "  
 "6220" ="BRICKMASONS, BLOCKMASONS, AND STONEMASON "  
 "6230" ="CARPENTERS "  
 "6240" ="CARPET, FLOOR, AND TILE INSTALLERS AND F "  
 "6250" ="CEMENT MASONS, CONCRETE FINISHERS, TERRA "  
 "6260" ="CONSTRUCTION LABORERS "  
 "6300" ="PAVING, SURFACING, AND TAMPING EQUIPMENT "  
 "6310" ="PILE-DRIVER OPERATORS "  
 "6320" ="OPERATING ENGINEERS AND OTHER CONSTRUCTI "  
 "6330" ="DRYWALL INSTALLERS, CEILING TILE INSTALL "  
 "6350" ="ELECTRICIANS "  
 "6360" ="GLAZIERS "

"6400" ="INSULATION WORKERS "  
 "6420" ="PAINTERS, CONSTRUCTION AND MAINTENANCE "  
 "6430" ="PAPERHANGERS "  
 "6440" ="PIPELAYERS, PLUMBERS, PIPEFITTERS, STEAM "  
 "6460" ="PLASTERERS AND STUCCO MASONS "  
 "6500" ="REINFORCING IRON AND REBAR WORKERS "  
 "6510" ="ROOFERS "  
 "6520" ="SHEET METAL WORKERS "  
 "6530" ="STRUCTURAL IRON AND STEEL WORKERS "  
 "6600" ="HELPERS, CONSTRUCTION TRADES "  
 "6660" ="CONSTRUCTION AND BUILDING INSPECTORS "  
 "6700" ="ELEVATOR INSTALLERS AND REPAIRERS "  
 "6710" ="FENCE ERECTORS "  
 "6720" ="HAZARDOUS MATERIALS REMOVAL WORKERS "  
 "6730" ="HIGHWAY MAINTENANCE WORKERS "  
 "6740" ="RAIL-TRACK LAYING AND MAINTENANCE EQUIPM "  
 "6750" ="SEPTIC TANK SERVICERS, SEWER PIPE CLEANE "  
 "6760" ="MISCELLANEOUS CONSTRUCTIONS AND RELATED "  
 "6800" ="DERRICK, ROTARY DRILL, AND SERVICE UNIT "  
 "6820" ="EARTH DRILLERS, EXCEPT OIL AND GAS "  
 "6830" ="EXPLOSIVES WORKERS, ORDNANCE HANDLING EX "  
 "6840" ="MINING MACHINE OPERATORS "  
 "6910" ="ROOF BOLTERS, MINING "  
 "6920" ="ROUSTABOUTS, OIL AND GAS "  
 "6930" ="HELPERS - EXTRACTION WORKERS "  
 "6940" ="OTHER EXTRACTION WORKERS "  
 "7000" ="FIRST-LINE SUPERVISORS OF MECHANICS, INS "  
 "7010" ="COMPUTER, ATM, OFFICE MACHINE REPAIRERS "  
 "7020" ="RADIO AND TELECOM EQUIPMENT INSTALLERS A "  
 "7030" ="AVIONICS TECHNICIANS "  
 "7040" ="ELECTRIC MOTOR, POWER TOOL REPAIRERS "  
 "7050" ="ELECTRICAL/ELECTRONICS REPAIRERS, TRANSP "  
 "7100" ="ELECTRICAL/ELECTRONICS REPAIRERS, INDUST "  
 "7110" ="ELECTRONIC EQUIPMENT INSTALLERS, MOTOR V "  
 "7120" ="ELECTRONIC HOME ENTERTAINMENT EQUIPMENT "  
 "7130" ="SECURITY AND FIRE ALARM SYSTEMS INSTALLE "  
 "7140" ="AIRCRAFT MECHANICS AND SERVICE TECHNICA "  
 "7150" ="AUTOMOTIVE BODY AND RELATED REPAIRERS "  
 "7160" ="AUTOMOTIVE GLASS INSTALLERS AND REPAIRER "  
 "7200" ="AUTOMOTIVE SERVICE TECHNICIANS/MECHANICS "  
 "7210" ="BUS AND TRUCK MECHANICS AND DIESEL SPECI "  
 "7220" ="HEAVY VEHICLE / MOBILE EQUIPMENT SERVICE "  
 "7240" ="SMALL ENGINE MECHANICS "  
 "7260" ="MISCELLANEOUS VEHICLE / MOBILE EQUIPMENT "  
 "7300" ="CONTROL AND VALVE INSTALLERS AND REPAIRE "  
 "7310" ="HEATING, AIR CONDITIONING, AND REFRIGERA "  
 "7320" ="HOME APPLIANCE REPAIRERS "  
 "7330" ="INDUSTRIAL AND REFRACTORY MACHINERY MECH "  
 "7340" ="MAINTENANCE AND REPAIR WORKERS, GENERAL "  
 "7350" ="MAINTENANCE WORKERS, MACHINERY "  
 "7360" ="MILLWRIGHTS "  
 "7410" ="ELECTRICAL POWER-LINE INSTALLERS AND REP "  
 "7420" ="TELECOMMUNICATIONS LINE INSTALLERS AND R "  
 "7430" ="PRECISION INSTRUMENT AND EQUIPMENT REPAI "  
 "7510" ="COIN, VENDING, AMUSEMENT MACHINE SERVICE "  
 "7520" ="COMMERCIAL DIVERS "  
 "7540" ="LOCKSMITHS AND SAFE REPAIRERS "

"7550" ="MANUFACTURED BUILDING/MOBILE HOME INSTAL "  
 "7560" ="RIGGERS "  
 "7600" ="SIGNAL AND TRACK SWITCH REPAIRERS "  
 "7610" ="HELPERS - INSTALLATION, MAINTENANCE, REP "  
 "7620" ="OTHER INSTALLATION, MAINTENANCE, REPAIR "  
 "7700" ="FIRST-LINE SUPERVISORS OF PRODUCTION AND "  
 "7710" ="AIRCRAFT STRUCTURE, SURFACES, RIGGING, A "  
 "7720" ="ELECTRICAL, ELECTRONICS, AND ELECTROMECH "  
 "7730" ="ENGINE AND OTHER MACHINE ASSEMBLERS "  
 "7740" ="STRUCTURAL METAL FABRICATORS AND FITTERS "  
 "7750" ="MISCELLANEOUS ASSEMBLERS AND FABRICATORS "  
 "7800" ="BAKERS "  
 "7810" ="BUTCHERS AND OTHER MEAT, POULTRY, FISH P "  
 "7830" ="FOOD AND TOBACCO ROASTING, BAKING, AND D "  
 "7840" ="FOOD BATCHMAKERS "  
 "7850" ="FOOD COOKING MACHINE OPERATORS / TENDERS "  
 "7900" ="COMPUTER CONTROL PROGRAMMERS / OPERATORS "  
 "7920" ="EXTRUDING AND DRAWING MACHINE SETTERS, O "  
 "7930" ="FORGING MACHINE SETTERS, OPERATORS, AND "  
 "7940" ="ROLLING MACHINE SETTERS, OPERATORS, AND "  
 "7950" ="CUTTING, PUNCHING, PRESS MACHINE SETTERS "  
 "7960" ="DRILLING AND BORING MACHINE TOOL SETTERS "  
 "8000" ="GRINDING, LAPPING, POLISHING, BUFFING MA "  
 "8010" ="LATHE AND TURNING MACHINE TOOL SETTERS, "  
 "8020" ="MILLING AND PLANING MACHINE SETTERS, OPE "  
 "8030" ="MACHINISTS "  
 "8040" ="METAL FURNACE AND KILN OPERATORS AND TEN "  
 "8060" ="MODEL MAKERS AND PATTERNMAKERS, METAL AN "  
 "8100" ="MOLDERS AND MOLDING MACHINE SETTERS, OPE "  
 "8120" ="MULTIPLE MACHINE TOOL SETTERS, OPERATORS "  
 "8130" ="TOOL AND DIE MAKERS "  
 "8140" ="WELDING, SOLDERING, AND BRAZING WORKERS "  
 "8150" ="HEAT TREATING EQUIPMENT SETTERS, OPERATO "  
 "8160" ="LAY-OUT WORKERS, METAL AND PLASTIC "  
 "8200" ="PLATING AND COATING MACHINE SETTERS, OPE "  
 "8210" ="TOOL GRINDERS, FILERS, AND SHARPENERS "  
 "8220" ="METALWORKERS AND PLASTIC WORKERS, ALL OT "  
 "8230" ="BOOKBINDERS AND BINDERY WORKERS "  
 "8240" ="JOB PRINTERS "  
 "8250" ="PREPRESS TECHNICIANS AND WORKERS "  
 "8260" ="PRINTING MACHINE OPERATORS "  
 "8300" ="LAUNDRY AND DRY-CLEANING WORKERS "  
 "8310" ="PRESSERS, TEXTILE, GARMENT, AND RELATED "  
 "8320" ="SEWING MACHINE OPERATOR "  
 "8330" ="SHOE AND LEATHER WORKERS AND REPAIRERS "  
 "8340" ="SHOE MACHINE OPERATORS AND TENDERS "  
 "8350" ="TAILORS, DRESSMAKERS, AND SEWERS "  
 "8360" ="TEXTILE BLEACHING AND DYEING MACHINE OPE "  
 "8400" ="TEXTILE CUTTING MACHINE SETTERS, OPERATO "  
 "8410" ="TEXTILE KNITTING AND WEAVING MACHINE SET "  
 "8420" ="TEXTILE WINDING, TWISTING, AND DRAWING O "  
 "8430" ="EXTRUDING AND FORMING MACHINE SETTERS, O "  
 "8440" ="FABRIC AND APPAREL PATTERNMAKERS "  
 "8450" ="UPHOLSTERS "  
 "8460" ="TEXTILE, APPAREL, AND FURNISHINGS WORKER "  
 "8500" ="CABINETMAKERS AND BENCH CARPENTERS "  
 "8510" ="FURNITURE FINISHERS "



"8520" ="MODEL MAKERS AND PATTERNMAKERS, WOOD "  
 "8530" ="SAWING MACHINE SETTERS, OPERATORS, AND T "  
 "8540" ="WOODWORKING MACHINE SETTERS, OPERATORS, "  
 "8550" ="WOODWORKERS, ALL OTHER "  
 "8600" ="POWER PLANT OPERATORS "  
 "8610" ="STATIONARY ENGINEERS AND BOILER OPERATOR "  
 "8620" ="WATER AND LIQUID WASTE TREATMENT PLANT A "  
 "8630" ="MISCELLANEOUS PLANT AND SYSTEM OPERATORS "  
 "8640" ="CHEMICAL PROCESSING MACHINE SETTERS, OPE "  
 "8650" ="CRUSHING, GRINDING, POLISHING, MIXING, A "  
 "8710" ="CUTTING WORKERS "  
 "8720" ="EXTRUDING, FORMING, PRESSING, COMPACTING "  
 "8730" ="FURNACE, KILN, OVEN, DRIER, AND KETTLE O "  
 "8740" ="INSPECTORS, TESTERS, SORTERS, SAMPLERS, "  
 "8750" ="JEWELERS AND PRECIOUS STONE AND METAL WO "  
 "8760" ="MEDICAL, DENTAL, AND OPHTHALMIC LABORATO "  
 "8800" ="PACKAGING AND FILLING MACHINE OPERATORS "  
 "8810" ="PAINTING WORKERS "  
 "8830" ="PHOTOGRAPHIC PROCESS WORKERS AND PROCESS "  
 "8840" ="SEMICONDUCTOR PROCESSORS "  
 "8850" ="CEMENTING AND GLUING MACHINE OPERATORS A "  
 "8860" ="CLEANING, WASHING, AND METAL PICKLING EQ "  
 "8900" ="COOLING AND FREEZING EQUIPMENT OPERATORS "  
 "8910" ="ETCHERS AND ENGRAVERS "  
 "8920" ="MOLDERS, SHAPERS, CASTERS, EXCEPT METAL "  
 "8930" ="PAPER GOODS MACHINE SETTERS, OPERATORS, "  
 "8940" ="TIRE BUILDERS "  
 "8950" ="HELPERS - PRODUCTION WORKERS "  
 "8960" ="PRODUCTION WORKERS, ALL OTHER "  
 "9000" ="SUPERVISORS, TRANSPORTATION AND MOVING W "  
 "9030" ="AIRCRAFT PILOTS AND FLIGHT ENGINEERS "  
 "9040" ="AIR TRAFFIC CONTROLLERS /AIRFIELD OPERAT "  
 "9110" ="AMBULANCE DRIVERS/ATTENDANTS, EXCEPT EMT "  
 "9120" ="BUS DRIVERS "  
 "9130" ="DRIVER/SALES WORKERS AND TRUCK DRIVERS "  
 "9140" ="TAXI DRIVERS AND CHAUFFEURS "  
 "9150" ="MOTOR VEHICLE OPERATORS, ALL OTHER "  
 "9200" ="LOCOMOTIVE ENGINEERS AND OPERATORS "  
 "9230" ="RAILROAD BRAKE, SIGNAL, AND SWITCH OPERA "  
 "9240" ="RAILROAD CONDUCTORS AND YARDMASTERS "  
 "9260" ="SUBWAY, STREETCAR, AND OTHER RAIL TRANSP "  
 "9300" ="SAILORS AND MARINE OILERS "  
 "9310" ="SHIP AND BOAT CAPTAINS AND OPERATORS "  
 "9330" ="SHIP ENGINEERS "  
 "9340" ="BRIDGE AND LOCK TENDERS "  
 "9350" ="PARKING LOT ATTENDANTS "  
 "9360" ="SERVICE STATION ATTENDANTS "  
 "9410" ="TRANSPORTATION INSPECTORS "  
 "9420" ="OTHER TRANSPORTATION WORKERS "  
 "9500" ="CONVEYOR OPERATORS AND TENDERS "  
 "9510" ="CRANE AND TOWER OPERATORS "  
 "9520" ="DREDGE, EXCAVATING, AND LOADING MACHINE "  
 "9560" ="HOIST AND WINCH OPERATORS "  
 "9600" ="INDUSTRIAL TRUCK AND TRACTOR OPERATORS "  
 "9610" ="CLEANERS OF VEHICLES AND EQUIPMENT "  
 "9620" ="LABORERS AND FREIGHT, STOCK MOVERS, HAND "  
 "9630" ="MACHINE FEEDERS AND OFFBEARERS "

"9640" ="PACKERS AND PACKAGERS, HAND "  
"9650" ="PUMPING STATION OPERATORS "  
"9720" ="REFUSE AND RECYCLABLE MATERIAL COLLECTOR "  
"9730" ="SHUTTLE CAR OPERATORS "  
"9740" ="TANK CAR, TRUCK, AND SHIP LOADERS "  
"9750" ="MATERIAL MOVING WORKERS, ALL OTHER "  
"9800" ="MILITARY OFFICER SPECIAL AND TACTICAL OP "  
"9810" ="FIRST-LINE ENLISTED MILITARY SUPERVISOR "  
"9820" ="MILITARY ENLISTED TACTICAL OPERATIONS AN "  
"9830" ="MILITARY, RANK NOT SPECIFIED "  
"9840" ="ARMED FORCES "  
"9950" ="NOT IN LABOR FORCE "  
"9960" ="RETIRED "  
"9970" ="PROBLEM REFERRAL "  
"9990" ="UNCODABLE-INCLUDES REFUSED OR CLASSIFIED "



# Appendix C

## Recodes of Country of Birth

“Other specified” responses for country of birth were recoded into the following categories using the definitions below (AH33OS, AH34OS, and AH35OS).

**Please note: original AH33 response categories were also recoded into the following categories.**

**1=United States:** Includes the 50 states and District of Columbia. Includes dependencies or territories associated with the United States, such as America Samoa, Guam, Puerto Rico, and the Virgin Islands.

**2=Mexico:** Includes all regions.

**3=Central America:** Includes all countries that are part of the continent. Excludes the Caribbean islands.

**4=Other Latin America:** Consists of the 12 countries and 3 territories located south of the Isthmus of Panama on the South American Continent. Also includes the Caribbean islands.

**5=Asia and Pacific Islands:** Composed of the 47 countries and assorted islands east of Europe. Includes the Middle East and Southeast Asian countries. Also includes the Pacific Islands nations of Polynesia, Melanesia, and Micronesia located in the South Pacific Ocean, such as Fiji, the North Mariana Islands, Palau, Samoa, Tonga, and New Caledonia. Excludes American Samoa and Guam. New Zealand and Australia are also assigned to this category.

**6=Europe:** Includes the 44 countries and numerous related dependencies, territories, and islands that are considered part of Europe such as the Azores, the Canary Islands and Iceland. Traditionally, the Urals to the east and the Caucasus Mountains to the south form the line of demarcation between Europe and Asia. The part of Russia west of the Urals is sometimes included with Europe. The portion of Turkey west of the Bosphorus is geographically part of Europe. However, because it was not possible to discern where specifically the respondent and his/her parents were from, Russia was coded as Asia as the entire country is officially part of Asia. Because Turkey is generally classified as a Middle Eastern country, which was included in the Asian category, it was classified as an Asian country.

**7=Other:** Responses that were unidentifiable and those that were too broad to be coded into one of the above categories were also included in this “other” category. Also includes Canada, those countries located on the African continent, some mid-Indian Ocean islands, like Reunion Island and Mauritius, and Cape Verde, an island in the mid-Atlantic Ocean.

### Sources:

United States Central Intelligence Agency (CIA) The World Factbook 2001  
<http://www.cia.gov/cia/publications/factbook/>

United States Department of State Geographic Learning Site  
 Countries and Regions Section  
<http://www.state.gov/countries/>

World Atlas.com- uses information from the CIA’s The World Factbook 2001  
<http://www.worldatlas.com/aatlas/infopage/contnent.htm>

For “Pacific Islands” category used the following sources:

- Pacific Islanders’ Cultural Association Website with a listing of Pacific Islands’ nations

<http://www.pica-org.org/websurf/websurf.html>

- Asian Development Bank Policy Paper “A Pacific Strategy for the New Millennium”. September 2000 [http://www.adb.org/Documents/Policies/Pacific\\_Strategy/default.asp](http://www.adb.org/Documents/Policies/Pacific_Strategy/default.asp).