



Constructed Variables CHIS 2007 Adult Survey

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TABLE OF CONTENTS

RACE AND ETHNICITY	7
RACECEN Race – Census 2000 Definition.....	7
RACEDOF Race – Former Department of Finance Definition	7
RACEHPR2 Race – UCLA CHPR Definition, Unbridged	8
OMBSRREO OMB Self-Reported Race Ethnicity.....	9
ASIAN9 Asian Subtypes - 9 (PUF Recode)	10
ASNHP2_P Asian Group – UCLA CHPR Definition (PUF Recode), Unbridged ..	10
CHINESE Chinese.....	11
SRCH Self-Reported Chinese	11
FILIPINO Filipino.....	11
SRPH OMB Self-Reported Filipino	12
SRPI Self-Reported PI and NTV HW	12
SRVT Self-Reported Vietnamese	12
SRKR OMB Self-Reported Korean	12
SRAS Self-Reported Asian.....	12
SRASO OMB Self-Reported Other Asian Group	12
OMBSRASO OMB S-R Non-Hispanic Asian Group (Only).....	12
LATIN9TP Latino/Hispanic Subtypes – 9 Levels	13
CATRIBE California Tribal Heritage.....	14
SRH Self-Reported Latino/Hispanic	15
SRAA Self-Reported African American	15
SRAI Self-Reported American Indian	15
SRW Self-Reported White	15
SRO Self-Reported Other Race.....	15
HEALTH INSURANCE.....	15
AI22A_P Name of Health Plan (PUF Recode).....	15
AH50_P Name of Medicare HMO Plan (PUF Recode)	16
INS Currently Insured	16
RSN_UNIN Reason for Current Uninsured Status.....	16
RSN_UNI2 Reason for Uninsured Status Anytime Past 12 Months	17
INS12M Number of Months Covered by Health Insurance in Past 12 Months ..	18
INSANY Any Health Insurance in the Last 12 Months	18
INST_12 Health Ins Coverage in Last 12 Mos, Incl Current Status: 8 Lvls	19
UNINSANY Uninsured in Past 12 Months	19
INSMC Covered by Medicare.....	20
INSMD Covered by Medi-Cal.....	20
INSOG Covered by Other Government Plans	20
IHS Covered by Indian Health Services.....	21

INSEM	Covered by Employer-Based Plans	21
INSPS	Covered by Employer-Based Plans as Primary Coverage.....	21
INSPR	Covered by Plans Purchased On Own	22
INSTYP_P	Type of Current Health Coverage Source for All Ages (PUF Recode).	22
INS64_P	Current Health Coverage Under 65 Yrs Old (PUF Recode).....	22
INS65	Type of Current Health Coverage Source for the Elderly	23
OFFTK	Offer, Eligibility, Acceptance of Employer-Based Insurance (EBI)	24
AK22_P	Household’s Total Annual Income (PUF Recode)	25
AL16_P	Total Recvd from Alimony/Child Support/Govt (PUF Recode)	25
AL18_P	Total Alimony/Child Support Paid Last Month (PUF Recode).....	25
AL18B_P	Total Security/Pension Recvd Last Month (PUF Recode)	25
ELIGPRG3	Uninsured Medi-Cal/Healthy Families Eligible (3 levels)	25
FAMTYP_P	Family Type (PUF recode).....	26
FAMT4	Family Type (4 Levels).....	26
AI25NEW	RX Coverage Edited for Medical/HF	26

GENERAL HEALTH AND HEALTH CONDITIONS.....26

ASTCUR	Current Asthma.....	26
ASTYR	Asthma Symptoms Past 12 Months	27
ASTS	Asthma Symptoms Past 12 Mos Population Diagnosed w/ Asthma	27
AB23_P	Age First Told Have Diabetes (PUF Recode).....	27
DIAMED	Taking Insulin or Pills.....	27
DIABCK	Number of Times Check Glucose/Sugar per Month.....	28
DISTRESS	Serious Psychological Distress	28
DSTRS30	Likely Has Psychological Distress Past Month	28
DSTRSYR	Serious Psychological Distress for Worst Month in Past Year.....	29
DSTRS12	Likely Has Psychological Distress Past Year	29
WORK	Work Impairment Past 12 Months.....	29
CHORES	Chore Impairment Past 12 Months	30
SOCIAL	Social Life Impairment Past 12 Months	30
FAMILY	Family Life Impairment Past 12 Months	30
IMPAIR	Functional Role Impairment Due to Emotions Past 12 Months	30

HEALTH CARE UTILIZATION ACCESS AND DENTAL HEALTH ..31

DOCT_YR	Visited a Doctor During the Past 12 Months	31
ACMDNUM	Number of Doctor Visits in the Past Year.....	31
ER	Emergency Room Visit in the Past Year	31
AJ50_P	Language Doctor Speaks To Respondent (PUF Recode).....	32

HEALTH BEHAVIORS32

SMOKING	Current Smoking Habits	32
SMKCUR	Current Smoker.....	32
NUMCIG	Number of Cigarettes Per Day.....	32
HSMK	Household Smoking.....	33
BINGE12	Binge Drinking in Past Year. 5+ Drinks (Male), 4+ Drinks (Female) .	33

AE25AMIN	Average Length of Vigorous Physical Activity per Day	33
AE27AMIN	Avg Length of Moderate Activity per Day	34
MODACT	Moderate Leisure Activity for 5 Days/wk and 30 Min/day	34
VIGPA	Vigorous Leisure Activity for 3 Days/week and 20 Min/day	34
REGACT	Regular, Moderate, or Vigorous Activity	34

HEALTH DISABILITY35

DISABLE	Disability Status Due to Physical/Mental/Emotional Condition	35
---------	--	----

HOUSEHOLD INCOME AND POVERTY.....36

AK10_P	Earnings Last Month Before Taxes and Deductions (PUF Recode)	36
AK10A_P	Spouse’s/Partner’s Earnings Last Month (PUF Recode).....	36
POVLL	Poverty Level	36
POVLL2_P	Poverty Level as Times of 100% FPL (PUF Recode)	37
POVGWD_P	Family Poverty Threshold Level (PUF Recode).....	37
HHSIZE_P	Household Size (PUF Recode)	37
FSLEV	Food Security Status Level	38
FSLEVCB	Food Security Status (2 Levels).....	38

CITIZENSHIP AND IMMIGRATION.....39

AH33NEW	Born in U.S.	39
CITIZEN2	Citizenship Status for Adults	39
CNTRYF	Country Father Born In	39
CNTRYM	Country Mother Born In	40
AH34NEW	Mother Born In U.S.	41
AH35NEW	Father Born In U.S.	41
CNTRYM	Country Born In	41
YRUS	Years Lived in the U.S.	42
PCTLF_P	Percent Life in U.S. (PUF Recode).....	42

EMPLOYMENT43

WRKST	Working Status.....	43
WRKST_S	Spouse Working Status	44
AKWKLNG	Time at Main Job.....	44

GEOGRAPHIC INFORMATION44

UR_CLRT	Rural and Urban - Claritas (4 levels)	44
UR_CLRT2	Rural and Urban - Claritas (2 levels)	45
UR_BG	Rural and Urban - Claritas (By Block Group).....	46
UR_TRACT	Rural and Urban - Claritas (By Census Tract)	46
UR_OMB	Rural and Urban – OMB.....	47
UR_RHP	Rural and Urban – Office of Rural Health Policy.....	47
UR_IHS	Rural and Urban – Indian Health Service	48

HOUSING AND NEIGHBORHOOD VARIABLES.....48

TIMEAD Length of Time Lived at Current Address48
 SRTENR Self-Reported Household Tenure (HH)48

OTHER CONSTRUCTED VARIABLES48

LANGHOME Types of Languages Spoken at Home48
 INTVLANG Language of Interview50
 AHCHLDC Amount Per Week Paid for Child Care51
 AHEDUC Educational Attainment51
 MARIT Marital Status52
 MARIT2 Marital Status – 4 Categories52
 PROXY Proxy Interview52
 SRAGE_P Self-Reported Age (PUF recode)52
 SRSEX Gender52
 AI75_P Parent Perception: Main Reason Not Get HPV Vaccine (PUF Recode) 53
 AE81_P Main Reason Not Want HPV Vaccine (PUF Recode)53

CANCER VARIABLES53

FOBT2 Blood Stool Test Among Adults, Aged 50 Years+, in Past 2 Years53
 CRC_SCRN Colonoscopy, Sigmoidoscopy, FOBT in Past 5 Years54
 PAP_SCRN Had PAP Screen in Past 3 Years54
 MAM_SCRN Had Mammogram in Past 2 Years54

FOOD AND DRINKS VARIABLES55

AE_FRIES Number of times ate fries per week55
 AE_SODA Number of times drank soda per week55
 AE_VEGI Number of times ate vegetables per week55
 AE_FRUIT Number of times eating fruit per week55

HEIGHT AND WEIGHT VARIABLES55

BMI_P Body Mass Index for Adults (PUF Recode)55
 HGHTM_P Height – Meters (PUF Recode)56
 HGHTI_P Height – Inches (PUF Recode)56
 WGHTK_P Weight – Kilograms (PUF Recode)57
 WEIGHK_P Weight – Kilograms (UCLA) (PUF Recode)57
 WGHTP_P Weight – Pounds (PUF Recode)57
 WT18K_P Weight at Age 18 – Kilograms (PUF Recode)57
 WT18P_P Weight at Age 18 – Pounds (PUF Recode)57

APPENDIX A.....58

Urban and Rural Specifications58

APPENDIX B	61
Main Industry (IINDCD4).....	61
Main Occupation(IOCCCD4).....	66
APPENDIX B	76
Recodes of Country of Birth.....	76

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 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 RACECEN values:

Condition:	RACECEN Value:	RACECEN Label:
If only SRPI=1	1	Pacific Islander
If only SRAI=1	2	American Indian/Alaska Native
If only SRAS=1	3	Asian
If only SRAA=1	4	African American
If only SRW=1	5	White
If only SRO=1	6	Other single race

3. The cases with more than one race reported are assigned to the multiple-race category:

Condition:	RACECEN Value:	RACECEN Label:
If more than one of the following (SRPI, SRAI, SRAS, SRAA, SRW, SRO)=1	7	More than one race

RACEDOF

Race – Former Department of Finance Definition

The RACEDOF variable uses the former definition of race classification from the California Department of Finance’s race categories. This variable is derived from the imputed Westat 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 in the following 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:

Condition:	RACEDOF Value:	RACEDOF Label:
If SRH=1	1	Latino

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 Afr. Amer.
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:

Condition:	RACEDOF Value:	RACEDOF Label:
If more than one of the following (SRPI, SRAI, SRAS, SRAA, SRW, SWO) =1	8	Non-Latino, Two + Races

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 (2005 and beyond).

RACEHPR2

Race – UCLA CHPR Definition, Unbridged

The purpose of the RACEHPR2 variable is to create a measure of race that takes into account which race/ethnicity the respondents most identify with. For the cases with multiple races reported, and no indication of which group the respondent most identifies with, a few other rules are used. RACEHPR2 is derived from the imputed Westat variables SRH, SRPI, SRAI, SRAS, SRAA, SRW, SRO, and questionnaire items AA5AOS, AA5F, AA5C, and AA5G. Latino is also considered to be a separate race category for this variable.

RACEHPR2 values are assigned in the following hierarchical manner:

A. Adjustments for non-Latino respondents:

- If a single race reported, then RACEHPR2 is assigned based on single race.
- If multiple races reported and:
 - Respondent identifies with one race in particular (AA5G), then RACEHPR2 is assigned based on AA5F.
 - Respondent does not identify with one race in particular, then RACEHPR2 is assigned in the multiple race category.

B. Adjustments for Latino Respondents:

- If single race reported and:
 - If Latino is imputed and race is not imputed, then RACEHPR2 is assigned based on single race.
 - If Latino is not imputed and race is imputed, then RACEHPR2 RACEHPR2 is assigned in the Latino category.
 - If Latino and race variables are not imputed and:

- Respondent identifies with one race in particular (AA5G), then RACEHPR2 is assigned based on AA5F.
- Respondent does not identify with one race in particular, then RACEHPR2 is assigned in the multiple race category.
 - Report single race as “other”, then use AA5AOS to assign RACEHPR2.
- If multiple races reported and:
 - If Latino is not imputed and race is imputed, then RACEHPR2 is assigned as Latino.
 - Others
 - Respondent identifies with one race in particular (AA5G), then RACEHPR2 is assigned based on AA5F.
 - Respondent does not identify with one race in particular, then RACEHPR2 is assigned in the multiple race category.

C. Adjustments for AIAN Respondents.

- If a respondent reported belonging to a California tribe (AA5G) or identifies most with “American Indian or Alaska Native” in AA5F, then RACEHPR2 is reassigned to the AIAN category.

OMBSRREO

OMB Self-Reported Race Ethnicity

OMBSRREO is a race/ethnicity variable that follows the Office of Management and Budget-revised guidelines (1997) and the Census modification of the OMB guidelines. OMB 1) separates race and ethnicity, and 2) recognizes five main racial categories: White; Black or African American; American Indian and Alaska Native; Asian and Native Hawaiian; and Other Pacific Islander. Assignment of adults who chose only “Some other race” followed procedures similar to those used by the Census Bureau. (Refer to Chapter 8 Methodology Series Report 5.)

The OMBSRREO variable is derived from RACEDOF variable and is assigned the following values:

Condition:	OMBSRREO Value:	OMBSRREO Label:
If RACEDOF=1	1	Hispanic
If RACEDOF=6	2	Non-Hispanic White
If RACEDOF=5	3	Non-Hispanic African-American
If RACEDOF=3	4	Non-Hispanic American Indian, Alaska Native
If RACEDOF=4	5	Non-Hispanic Asian
If RACEDOF=2	6	Non-Hispanic Native Hawaiian, Other Pacific Islander
If RACEDOF=8	7	Non-Hispanic More than one race

ASIAN9

Asian Subtypes - 9 (PUF Recode)

The ASIAN9 variable is derived from ASIAN10 variable.

A. First, the number of Asian ethnic groups reported for each case is counted using ASIAN10_1 through ASIAN10_10.

B. The cases with adults who report only one Asian ethnic group are assigned ASIAN9 values.

1. The adults who report only one ethnic group in ASIAN10 are assigned the following values for the ASIAN9 variable:

Condition:	ASIAN9 Value:	ASIAN9 Label:
If ASIAN10=1	1	Chinese
If ASIAN10=2	2	Japanese
If ASIAN10=3	3	Korean
If ASIAN10=4	4	Filipino
If ASIAN10=5	5	South Asian
If ASIAN10=6	6	Vietnamese
If ASIAN10=7	7	Southeast Asian
If ASIAN10=8 and 9	8	Cambodian/Other Asian

2. The adults who only report one Asian ethnic group, and are not yet assigned an ASIAN9 value, are imputed to assign an ASIAN9 value.

C. The adults who report more than one Asian ethnic group are assigned ASIAN9 values.

1. The adults who report more than one ethnic group in ASIAN10 are assigned a value of 9:

Condition:	ASIAN9 Value:	ASIAN9 Label:
More than one ethnic group reported in ASIAN10	9	Two or more Asian types

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

ASNHP2_P

Asian Group – UCLA CHPR Definition (PUF Recode), Unbridged

The ASNHP2_P variable representing the most-identified-with Asian ethnicity is a recoded version of ASNHP2 for the public use file. It collapses adult reports of Cambodian ethnicity and other single/multiple Asian ethnic group, to make it less identifiable.

A. The number of Asian ethnic groups reported for each case is counted using the ASIANHPR variable.

1. The adults who report belonging to an ethnic group in ASNHPR are assigned the following values for the ASNHPR_P variable:

Condition:	ASNHP2_P Value:	ASNHP2_P Label:
If ASNHP2=2	1	Chinese
If ASNHP2=3	2	Filipino
If ASNHP2=4	3	South Asian
If ASNHP2=5	4	Japanese
If ASNHP2=6	5	Korean
If ASNHP2=7	6	Vietnamese
If ASNHP2=1 or 8	7	Cambodian/Single or multiple Asian

2. Adults who are not of Asian race/ethnicity, ASNHP2= (-1), are assigned a value of ASNHP2_P= (-1).

CHINESE

Chinese

The CHINESE variable is constructed from questionnaire items AA5E_4, and AA5E_15. CHINESE is a dichotomous indicator of whether or not a respondent self-identifies as being Chinese. Respondents who report being Chinese (AA5E_4=1) or Taiwanese (AA5E_15=1) are coded as Chinese (CHINESE=1). All other respondents are coded as not being Chinese (CHINESE=2).

SRCH

Self-Reported Chinese

SRCH is a dichotomous indicator of whether or not a respondent self-reports as being Chinese. SRCH was constructed by the CHIS data collection vendor, Westat.

FILIPINO

Filipino

FILIPINO is a dichotomous variable indicator of whether or not a respondent self-identifies as being Filipino. FILIPINO was constructed from questionnaire item AA5E_5. Respondents who report being Filipino (AA5E_5=1) are coded as FILIPINO=1. All other respondents are coded as FILIPINO=2.

SRPH **OMB Self-Reported Filipino**

SRPH is a dichotomous indicator of whether or not a respondent self-reports as being Filipino as defined by the Office of Management and Budget. SRPH was constructed by the CHIS data collection vendor, Westat.

SRPI **Self-Reported PI and NTV HW**

SRPI is a dichotomous indicator of whether or not a respondent self-reports as being Other Pacific Islander, Native American, or Native Hawaiian. SRPI was constructed by the CHIS data collection vendor, Westat.

SRVT **Self-Reported Vietnamese**

SRVT is a dichotomous indicator of whether or not a respondent self-reports as being Vietnamese. SRVT was constructed by the CHIS data collection vendor, Westat. .

SRKR **OMB Self-Reported Korean**

SRKR is a dichotomous indicator of whether or not a respondent self-reports as being Korean as defined by the Office of Management and Budget. SRKR was constructed by the CHIS data collection vendor, Westat.

SRAS **Self-Reported Asian**

SRAS is a dichotomous indicator of whether or not a respondent self-reports as being Asian. SRAS was constructed by the CHIS data collection vendor, Westat.

SRASO **OMB Self-Reported Other Asian Group**

SRASO is a dichotomous indicator of whether or not a respondent self-reports as being Asian as defined by the Office of Management and Budget. SRASO was constructed by the CHIS data collection vendor, Westat.

OMBSRASO **OMB S-R Non-Hispanic Asian Group (Only)**

The OMBSRASO variable is derived from the OMB self-reported race ethnicity variable (OMBSRREO) and the ASIAN10 variable specifying which Asian subgroup the adult identifies with.

1. If an adult is identified as a non-Hispanic Asian (OMBSRREO=5), then assignments of the OMBSRASO values are based on the following specific ASIAN10 values:

Condition:	OMBSRASO Value:	OMBSRASO Label:
If OMBSRREO=5 and ASIAN10=1	1	Non-Hispanic Chinese Only

If OMBSRREO=5 and ASIAN10=3	2	Non-Hispanic Korean Only
If OMBSRREO=5 and ASIAN10=4	3	Non-Hispanic Filipino Only
If OMBSRREO=5 and ASIAN10=6	4	Non-Hispanic Vietnamese Only
If OMBSRREO=2,3,4,6, or 7 and ASIAN10=-1	5	Non-Hispanic Other or Non-Asian

LATIN9TP

Latino/Hispanic Subtypes – 9 Levels

The purpose of this variable is to provide a 9-level measurement of which group(s) the respondents identify with of those who report that they are of Latino/Hispanic origin (if SRH=1). This variable is derived from items, SRH and 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.

- The respondents who report that they belong to a single Latino/Hispanic ancestry are assigned the following LATINTEMP values:

Condition:	LATINTEMP Value:	LATINTEMP Label:
If AA5_1=1 (Mexican/Mexicano) or AA5_2=1 (Mexican American) or AA5_3=1 (Chicano) or	1	Mexican
If AA5_4=1 (Salvadoran)	2	Salvadoran
If AA5_5=1 (Guatemalan)	3	Guatemalan
If AA5_6=1 (Costa Rican) or AA5_7=1 (Honduran) or AA5_8=1 (Nicaraguan) or AA5_9=1 (Panamanian) or	4	Central American
If AA5_10=1 (Puerto Rican)	5	Puerto Rican
If AA5_11=1 (Cuban)	6	Cuban
If AA5_12=1 (Spanish American) or AA5_17=1 (Portuguese) or AA5_20=1 (Other European Origin)	7	Latino European
If AA5_14=1 (Colombian) or AA5_15=1 (Argentinean) AA5_16=1 (Peruvian) AA5_19=1 (Other South American Origin)	8	South American
If AA5_18=1 (Other Caribbean Origin) or AA5_21=1 (Other Latino/Hispanic)	9	Other Latino

C. The cases with more than one ancestry reported are assigned LATINTEMP values.

1. The cases with more than one ancestry reported are all assigned to the “two or more Latino types” category:

Condition:	LATINTEMP Value:	LATINTEMP Label:
More than one Latino/Hispanic Ancestry	10	Two or more Latino types

D. The respondents who report that they are not of Latino or Hispanic origin (if SRH=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) If LATINTEMP=9 (Other Latino)	8	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, SRAI, 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).

SRH **Self-Reported Latino/Hispanic**

SRH is a dichotomous indicator of whether or not a respondent self-reports as being Latino/Hispanic. SRH is constructed by the CHIS data collection vendor, Westat.

SRAA **Self-Reported African American**

SRAA is a dichotomous indicator of whether or not a respondent self-reports as being African American. SRH is constructed by the CHIS data collection vendor, Westat.

SRAI **Self-Reported American Indian**

SRAI is a dichotomous indicator of whether or not a respondent self-reports as being American Indian. SRAI is constructed by the CHIS data collection vendor, Westat.

SRW **Self-Reported White**

SRW is a dichotomous indicator of whether or not a respondent self-reports as being White. SRW is constructed by the CHIS data collection vendor, Westat.

SRO **Self-Reported Other Race**

SRO is a dichotomous indicator of whether or not a respondent self-reports as being of a race other than White, Black, African American, Asian, American Indian/Alaska Native/Native American, Other Pacific Islander, or Native Hawaiian. SRO is constructed by the CHIS data collection vendor, Westat.

HEALTH INSURANCE

AI22A_P **Name of Health Plan (PUF Recode)**

The AI22A_P is a recoded version of questionnaire item AI22A for the health plans the respondents have. This variable collapses categories into more general health plans.

AH50_P

Name of Medicare HMO Plan (PUF Recode)

The AH50_P is a recoded version of questionnaire item AH50. This variable collapses categories into more general Medicare HMO plans.

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, INSMO, INSHF, INSEM, INSPR, INSML, INSOG, INSOT. 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.

RSN_UNIN

Reason for Current Uninsured Status

The RSN_UNIN variable is derived from a construct variable, INS, and questionnaire items, AI24 and AI36, which provide specific reasons why the adult has no current health insurance coverage. This variable re-categorizes and reassigns reasons given into distinct responses based on the above questionnaire items. For those who were uninsured (INS=2), the RSN_UNIN values are assigned as follows:

Condition:	RSN_UNIN Value:	RSN_UNIN Label:
If AI24=1 or AI36=1	1	Can't afford/too expensive
If AI24=2 or AI36=2	2	Not eligible working status
If AI24=3 or AI36=3	3	Not eligible due to health or other problems
If AI24=4 or AI36=4	4	Not eligible due to citizenship/immigration
If AI24=5 or AI36=5	5	Family situation changed
If AI24=6 or AI36=6	6	Don't believe in insurance
If AI24=7 or AI36=7	7	Switched insurance companies, delay
If AI24=8 or AI36=8	8	Can get health care for free/Pay for own
If AI24=9 or AI36=9	9	Can't qualify for public program coverage
If AI24=10 or AI36=10	10	Procrastination /Hasn't taken steps to get insurance
If AI24=11 or AI36=11	11	Don't know where or how to get insurance/forms too difficult
If AI24=12 or AI36=12	12	Health insurance was cancelled/was dropped
If AI24=13 or AI36=13	13	Not offered at job
If AI24=14 or AI36=14	14	No need - General
If AI24=15 or AI36=15	15	In process of looking for/getting insurance
If AI24=16 or AI36=16	16	Other

Any cases with the respondent identified as being insured are assigned a skip value (-1) for this variable:

Condition:	RSN_UNIN Value:	RSN_UNIN Label:
If INS=1	-1	Inapplicable

RSN_UNI2

Reason for Uninsured Status Anytime Past 12 Months

The RSN_UNI2 variable is derived from a construct variable, INSANY, and questionnaire items, AI24 and AI36, which provide specific reasons why the adult has no current health insurance coverage in the past 12 months. This variable re-categorizes and reassigns reasons given into distinct responses based on the above questionnaire items. For those who were uninsured anytime in the past 12 months (INSANY ~ = 3), the RSN_UNI2 values are assigned as follows:

Condition:	RSN_UNI2 Value:	RSN_UNI2 Label:
If AI24=1 or AI36=1	1	Can't afford/too expensive
If AI24=2 or AI36=2	2	Not eligible working status
If AI24=3 or AI36=3	3	Not eligible due to health or other problems
If AI24=4 or AI36=4	4	Not eligible due to citizenship/immigration
If AI24=5 or AI36=5	5	Family situation changed
If AI24=6 or AI36=6	6	Don't believe in insurance
If AI24=7 or AI36=7	7	Switched insurance companies, delay
If AI24=8 or AI36=8	8	Can get health care for free/Pay for own
If AI24=9 or AI36=9	9	Can't qualify for public program coverage
If AI24=10 or AI36=10	10	Procrastination /Hasn't taken steps to get insurance
If AI24=11 or AI36=11	11	Don't know where or how to get insurance/forms too difficult
If AI24=12 or AI36=12	12	Health insurance was cancelled/was dropped
If AI24=13 or AI36=13	13	Not offered at job
If AI24=14 or AI36=14	14	No need - General
If AI24=15 or AI36=15	15	In process of looking for/getting insurance
If AI24=16 or AI36=16	16	Other

Any cases with the respondent identified as being insured are assigned a skip value (-1) for this variable:

Condition:	RSN_UNI2 Value:	RSN_UNI2 Label:
If INS=1	-1	Inapplicable

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 during the administration of the questionnaire:

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 administration of the questionnaire:

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 indicate 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 (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).

Each case is tested through the following series of conditions until an INSANY value is assigned:

1. The respondents under 65 years old (if SRAGE < 65) are first assigned INSANY values:

Condition:	INSANY Value:	INSANY Label:
If INS64=1	1	Currently uninsured
If 0<=INS12M<12	2	Uninsured any of the last 12 months
If INS12M=12 and INS64>1	3	Insured all of the last 12 months

2. Next, the respondents 65 and older (if SRAGE >= 65) are assigned INSANY values:

Condition:	INSANY Value:	INSANY Label:
If INS65= 5	1	Currently uninsured
If 0<=INS12M<12	2	Uninsured any of the past 12 mo
If INS12M=12 and 1<=INS_INS65<5	3	Insured all of the past 12 mo

INST_12

Health Ins Coverage in Last 12 Mos, Incl Current Status: 8 Lvlis

The INST_12 variable is derived from the constructed variable INSLT12. This variable re-categorizes health insurance coverage over the past 12 months, including current status, into 8 distinct levels. The values of INST_12 are assigned as follows:

Condition:	INST_12 Value:	INST_12 Label:
If INSLT12=1	1	Medi-Cal (Medicaid) only
If INSLT12=2	2	Employer-based coverage only (EBI)
If INSLT12=17	3	Private coverage only
If INSLT12=10, 18,19	4	Other coverage only
If INSLT12=6, 8, 9, 12, 13, 14, 16	5	Any 2 or more types (never uninsured)
If INSLT12=3	6	Uninsured only
If INSLT12=4	7	Uninsured + Employer-based only
If INSLT12=5, 7, 11, 15	8	Any 1 or more types + Uninsured
Age >= 65	-1	Inapplicable – Age >=65

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 OR 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~1 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~1, who 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).

Data editing adjustment 1: The respondents with INSMD~1 (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 A138, A147_5 and A149_5.

INSOG

Covered by Other Government Plans

The INSOG variable is derived from questionnaire items A117 and A117A. 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 A117=1), or name their coverage as AIM, MRMIP, or Family PACT (if A117A=1 or 2 or 3), or specify some other government plan (if A117AOS~-1), are considered to be covered for this variable (INSOG=1). The respondents who skip out of item A117 (-1) or report that they are not covered by some other government plan (if A117=2) are considered to be not covered by some other government plan (INSOG=2).

Adjustment 1: In addition, cases with INSOG ~1 who report that they are covered by a plan that was missed, which is some other government health plan (if A119_9=1), are 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 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 who report 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 measure 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 (AI8=2) 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 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.

INSTYP_P Type of Current Health Coverage Source for All Ages (PUF Recode)

The INSTYP_P variable is a recode of INSTYPE which assigns the adult’s insurance type. INSTYP_P collapses categories into less identifiable levels.

Condition:	INSTYP_P Value:	INSTYP_P Label:
If INSTYPE=1	1	Uninsured
If INSTYPE=2	2	Medicare & Medicaid
If INSTYPE=3	3	Medicare & Others
If INSTYPE=4	4	Medicare Only
If INSTYPE=5	5	Medicaid
If INSTYPE=7	6	Employment Based
If INSTYPE=8	7	Privately Purchased
If INSTYPE=6, 9	8	Healthy Families/Other public

INS64_P Current Health Coverage Under 65 Yrs Old (PUF Recode)

This INS64_P variable is re-coded from the constructed variable INS64 and is used in the public use file. This variable also indicates the type of current health insurance coverage for persons under 65 years old, but collapses CHIP coverage with other public health insurance coverage.

Cases are assigned based on the following INS64 criteria:

Condition:	INS64_P Value:	INS64_P Label:
If INS64=2	2	Medicaid
If INS64=4	3	Medicare
If INS64=5	4	Employment-based
If INS64=6	5	Privately purchased
If INS64=3 or INS64=7	6	CHIP/Other public
If INS64=1	1	Uninsured

Any cases with an adult who is 65 years or older (if INS64= -1) are assigned a skip value (-1) for this variable:

Condition:	INS64_P Value:	INS64_P Value:
If INS64=-1	-1	Skipped >= 65

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 65 years and older. This variable also indicates whether or not the adult is covered simultaneously by Medicare and some other type of insurance. INS65 is created with other constructed insurance variables.

Each case with a respondent who is 65 years or older (if SRAGE >= 65) is tested through the following series of conditions until a respective INS65 value is assigned:

Condition:	INS65 Value:	INS65 Label:
If INSMC=1 (Medicare) and INSMD=1 (Medi-Cal)	1	Medicare + Medicaid
If INSMC=1 (Medicare) and another type of coverage: [If INSHF=1 or INSEM=1 (employer based) or INSPR=1 (private) or INSML=1 (military) or INSOG=1 (other government) or INSOT=1 (other non-government)]	2	Medicare + Other
If INSMC=1 (Medicare) and no other type of coverage: [If INSMD=2 and INSHF=2 (no Healthy Families) and INSEM=2 (no employer-based) and INSPR=2 (no private) and INSML=2 (no military) and INSOG=2 (no government) and INSOT=2 (no non-government)]	3	Medicare Only

INS=1	4	Other Only
INS=2	5	Uninsured

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:

Condition:	INS65 Value:	INS65 Label:
If SRAGE < 65 (under 65 years old)	-1	Skipped – Age < 65

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.

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, as well as questionnaire items. OFFTK categorizes the offering, eligibility and acceptance of health insurance plans by the respondent from his or her employer. Adults working for wages that are covered by employer-based plans (INSEM=1) or who have employer-based coverage as their primary plan (INSPS=1) are considered to have accepted employer-based coverage (OFFTK=1). Otherwise, among persons who were working last week (AK1=1) or who usually work (AG10=1), case assignments are based on the following criteria:

Condition:	OFFTK Value:	OFFTK Label:
If AI13=1 and AI14=1	2	Did not accept EBI, but was offered and eligible
If AI13=1 and AI14=2	3	Was offered EBI, but was not eligible
If AI13=2	4	Was not offered EBI

Adults indicating an unemployed status are assigned a skip value of 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.

AK22_P Household's Total Annual Income (PUF Recode)

AK22_P is a top coded version of questionnaire item AK22.

Note: Top code is 300,000.

AL16_P Total Recvd from Alimony/Child Support/Govt (PUF Recode)

AL16_P is a top coded version of questionnaire item AL16.

Note: Top code is 4,000.

AL18_P Total Alimony/Child Support Paid Last Month (PUF Recode)

AL18_P is a top coded version of questionnaire item AL18.

Note: Top code is 2,000.

AL18B_P Total Security/Pension Recvd Last Month (PUF Recode)

AL18B_P is a top coded version of questionnaire item AL18B.

Note: Top code is 3,500.

ELIGPRG3 Uninsured Medi-Cal/Healthy Families Eligible (3 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 eligible is used to calculate program participation rates for the Medi-Cal and Healthy Families programs.

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 (POVGWD) 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 \$5,000.

Note: Other constructed eligibility variables include **ELIGPRG4** (Uninsured Medi-Cal/Health Families Eligible--4 levels) and **ELIGPP03, ELIGPP04, ELIGPP05, ELIGPP07** (Eligibility program including local child coverage expansions). These variables are constructed using the same logic and criteria as ELIGPRG4.

FAMTYP_P **Family Type (PUF recode)**

The FAMTYP_P is a recoded version of FAM_TYPE. The purpose of FAM_TYPE was to re-categorize respondents with potentially identifying data into less identifiable categories.

FAMT4 **Family Type (4 Levels)**

The FAMT4 variable is based on the constructed variable FAM_TYPE. This variable collapses categories representing 4 general family types.

Cases are assigned based on the following criteria:

Condition:	FAMT4 Value:	FAMT4 Label:
If FAM_TYPE=1, 2 or 6	1	Single no kids
If FAM_TYPE=3	2	Married no kids
If FAM_TYPE=4	3	Married with kids
If FAM_TYPE=5	4	Single with kids

AI25NEW **RX Coverage Edited for Medical/HF**

The AI25NEW variable is constructed from source variables AI25, INSMD, and INSHF. AI25NEW indicates whether or not respondents who are covered by Medi-CAL or Healthy Families are covered for prescription drugs.

GENERAL HEALTH AND 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 (AB17). ASTCUR is a dichotomous variable that indicates 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). Of those who were diagnosed with asthma by a doctor (AB17=1), but 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 imputed to assign a value of ASTCUR.

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 imputed to assign a value

ASTS **Asthma Symptoms Past 12 Mos Population Diagnosed w/ Asthma**

The ASTS variable is derived from questionnaire items AB19 and AB66. This variable provides a measure of the presence of asthma symptoms in the past year for those who have been diagnosed with asthma. Cases are assigned values based on the following conditions:

Condition:	ASTS Value:	ASTS Label:
If AB19 = 2, 3, 4 or 5 or AB66 in 2, 3, 4 or 5	1	Symptoms
If AB19=1 or AB66=1	2	No symptoms

Respondents are assigned a skip value (ASTS=-1) if they were never diagnosed with asthma (AB19=-1 and AB66=-1)

AB23_P **Age First Told Have Diabetes (PUF Recode)**

AB23_P is a top coded version of questionnaire item AB23.

Note: Top code is 85.

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 are imputed to assign a value of DIAMED.

DIABCK Number of Times Check Glucose/Sugar per Month

The DIABCK variable is constructed from questionnaire item AB26UNT. The purpose of this continuous variable is to describe how frequently the respondent checks her or his blood for glucose or sugar in times per month.

DISTRESS Serious Psychological Distress

The DISTRESS variable is a continuous measure of generalized psychological distress using the Kessler 6-Item Psychological Distress Scale (K6). It is created with questionnaire items AJ29, AJ30, AJ31, AJ32, AJ33, and AJ34. Items are reverse coded so that cases with a greater frequency of symptoms receive higher scores. Scores are assigned based on the following criteria:

Value (AJ29- AJ34)	Assigned score
1 (all of the time)	4
2 (most of the time)	3
3 (some of the time)	2
4 (a little of the time)	1
5 (not at all)	0

The DISTRESS value is the total of the assigned scores for items AJ29 to AJ34. The maximum value is 24 and the minimum is 0.

DSTRS30 Likely Has Psychological Distress Past Month

The DSTRS30 variable indicates if the respondent likely has psychological distress during the past month, based on the value of DISTRESS. The assignment of value follows this manner:

Condition:	DSTRS30 Value:	DSTRS30 Label:
If DISTRESS >= 13	1	Yes
If 0 <= DISTRESS < 13	2	No

DSTRSYR

Serious Psychological Distress for Worst Month in Past Year

The DSTRSYR variable measures psychological distress for worst month in past year using responses from two sets of questionnaire items, AJ29-AJ34, and AF63-AF68.

A temporary reverse value of each questionnaire item is first assigned in the following manner:

Condition: (same applies to AJ30-AJ34, AF63-AF68)	AJ29temp Value:
If AJ29=5	0
If AJ29=4	1
If AJ29=3	2
If AJ29=2	3
If AJ29=1	4

The sum of the temporary variables AJ29temp-AJ34temp is compared with that of the temporary variables AF63temp-AF68temp. The higher value will be assigned as DSTRSYR.

DSTRS12

Likely Has Psychological Distress Past Year

The DSTRS12 variable indicates if the respondent likely has psychological distress during the past year, based on the value of DSTRSYR. The assignment of value follows this manner:

Condition:	DSTRS12 Value:	DSTRS12 Label:
If DSTRSYR >= 13	1	Yes
If 0 <= DSTRSYR < 13	2	No

WORK

Work Impairment Past 12 Months

The WORK variable identifies whether a respondent has had any work impairment in the past year due to his/her emotions. The variable assigns reverse codes scores using AF69 so that higher scores reflect greater impairment. Scores are assigned based on the following criteria:

Condition:	WORK Value:	WORK Label:
AF69=3	0	None
AF69=2	1	Moderate
AF69=1	2	Severe
AF69=4 (does not work)	-1	Not applicable

Respondents who are older than 70 years of age were skipped and are assigned the value, WORK=(-1).

CHORES

Chore Impairment Past 12 Months

The CHORES variable identifies whether a respondent has had any impairment completing chores in the past year due to his/her emotions. The variable assigns reverse scores using AF70 so that higher scores reflect greater impairment. Scores are assigned based on the following criteria:

Condition:	CHORES Value:	CHORES Label:
AF70=3	0	None
AF70=2	1	Moderate
AF70=1	2	Severe

SOCIAL

Social Life Impairment Past 12 Months

The SOCIAL variable identifies whether a respondent has had any social impairment in the past year due to his/her emotions. The variable assigns reverse scores using AF71 so that higher scores reflect greater impairment. Scores are assigned based on the following criteria:

Condition:	FAMILY Value:	FAMILY Label:
AF71=3	0	None
AF71=2	1	Moderate
AF71=1	2	Severe

FAMILY

Family Life Impairment Past 12 Months

The FAMILY variable identifies whether a respondent has had any impairment in family life within the past year due to his/her emotions. The variable assigns reverse scores based on AF72, so that higher scores reflect greater impairment. Scores are assigned based on the following criteria:

Condition:	FAMILY Value:	FAMILY Label:
AF72=3	0	None
AF72=2	1	Moderate
AF72=1	2	Severe

IMPAIR

Functional Role Impairment Due to Emotions Past 12 Months

The IMPAIR variable is a composite measure based on the mean score of functional role impairment due to emotions, using constructed variables, CHORES, SOCIAL, FAMILY and WORK (for respondents who are not working, the variable WORK would be excluded in the composite). A higher score indicates more severe functional role impairment caused by emotional stress.

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 one or more 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 imputed to assign a value to DOCT_YR.

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 last 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 visits
If AH5=3	3	3 visits
If AH5=4	4	4 visits
If AH5=5	5	5 visits
If AH5=6	6	6 visits
If AH5=7, 8	7	7-8 visits
If AH5=9 to 12	8	9-12 visits
If AH5=13 to 24	9	13-24 visits
If AH5=25+	10	25+ visits

ER Emergency Room Visit in the Past Year

The ER variable is constructed using questionnaire items AH12, AH13A, and AB67. This dichotomous variable indicates whether or not the adult visited an emergency room for any reason within the past year. Respondents who indicated that they visited an emergency room within the last year (AH12=1) are assigned a value of ER=1. Current asthmatics who visited the ER for asthma in the past year (AH13A=1) are assigned a value of ER=1. Respondents who have been diagnosed with asthma but who do not currently have asthma and visited the ER for asthma in the past year (AB67=1) are assigned a value of ER=1. Those respondents who did not visit the ER for any reason (AH12=2) or who did not visit the ER for asthma in the past year (among current asthmatics and those who used to have asthma) (AH13A=2 or AB67=2) are assigned a value of ER=2.

AJ50_P

Language Doctor Speaks To Respondent (PUF Recode)

The AJ50_P variable is a recoded version of AJ50 which assigns the language used by the respondents doctor to communicate with the respondent. The purpose is to collapse categories into less identifiable categories. The values are assigned as follows:

Condition:	AJ50_P Value:	AJ50_P Label:
If AJ50=1	1	English
If AJ50=2	2	Spanish
If AJ50=4	3	Vietnamese
If AJ50=7	4	Korean
If AJ50=3	5	Cantonese
If AJ50=6	6	Mandarin
If AJ50=5 or AJ50>=8	7	Other

HEALTH BEHAVIORS

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.

Cases in which current smoking status cannot be determined are imputed to assign a value to SMOKING.

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 not smoking cigarettes daily (AE15A=3) then he or she was considered to be a non-smoker (SMKCUR=2).

NUMCIG

Number of Cigarettes Per Day

The constructed NUMCIG variable is derived from questionnaire items AE15, AE15A, AE16 and AD32. This variable categorizes the number of cigarettes smoked per day by adults who smoke every day (AE15A=1) and adults who smoke some days (AE15A=2). Values are assigned according to the following criteria.

Condition:	NUMCIG Value:	NUMCIG Label:
If AE15=2 or AE15A=3	1	None

(If AD32=0 or 1) or (AE16=0 or 1)	2	<=1 cigarette
(If AD32>=2 and AD32<=5) or (AE16>=2 and AE16<=5)	3	2–5 cigarettes
(If AD32>=6 and AD32<=10) or (AE16>=6 and AE16<=10)	4	6–10 cigarettes
(If AD32>=11 and AD32<=19) or (AE16>=11 and AE16<=19)	5	11–19 cigarettes
If AD32>=20 or AE16>=20	6	20 + cigarettes

Cases in which number of cigarettes cannot be determined are imputed to assign a value to NUMCIG.

HHSMK Household Smoking

The constructed HHSMK variable provides categorical measures of the amount of smoking within the respondent’s household. This variable is derived from questionnaire items AC17 and AD34, which measure whether or not smoking is allowed in the respondent’s household (AC17=1) in addition to the number of days there is any smoking within the household (AD34 – continuous). Respondents who report that smoking is allowed inside their home 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.

BINGE12 Binge Drinking in Past Year. 5+ Drinks (Male), 4+ Drinks (Female)

The BINGE12 variable measures how often the respondents have engaged in binge drinking within the past year. For males, the criteria for binge drinking are 5 and more drinks in a row on one occasion, and 4 or more drinks in a row on one occasion for females. This variable is constructed with questionnaire items AC34, AC35, and AC32. Values are assigned according to the following criteria:

Condition:	BINGE12 Value:	BINGE12 Label:
If AC34=0 or AC35=0 or AC32=2	1	No binge drinking
If AC34=1 or AC35=1	2	Once a year
If 2<=AC34<=9 or 2<=AC35<=9	3	Less than monthly, more than once a year
If 10<=AC34<=12 or 10<=AC35<=12	4	Monthly
If 12<AC34<=49 or 12<AC35<=49	5	Less than weekly but more than monthly
If AC34>=50 or AC35>=50	6	Daily or weekly

AE25AMIN Average Length of Vigorous Physical Activity per Day

The AE25AMIN variable is a recoded version of AE25UNT. This variable indicates the average number of minutes per day the respondent engaged in vigorous physical activity in the past seven days. The purpose of AE25AMIN is to recode responses provided in AE25UNT into minutes.

AE27AMIN

Avg Length of Moderate Activity per Day

The AE27AMIN variable is a recoded version of AE27UNT. This variable indicates the average number of minutes per day the respondent engaged in vigorous moderate activity in the past seven days. The purpose of AE27AMIN is to recode responses provided in AE27UNT into minutes.

MODACT

Moderate Leisure Activity for 5 Days/wk and 30 Min/day

The MODACT variable is constructed from questionnaire items AE26, AE27, and AE27AMIN, to determine the moderate activity levels of the respondents. Cases are assigned values based on the following conditions:

Condition:	MODACT Value:	MODACT Label:
If AE27AMIN \geq 30 AND AE27 \geq 5	1	At least 5 days/wk and 20 min/day
If 0 \leq AE27AMIN $<$ 30 or 0 \leq AE27 $<$ 5 or AE26=2	2	Less than 5 days/wk or 30 min/day

VIGPA

Vigorous Leisure Activity for 3 Days/week and 20 Min/day

The VIGPA variable is created from questionnaire items AE25AMIN, AE25, and AE24, to determine the vigorous activity level of the respondents. VIGPA is a two-level construct that indicates whether or not the respondent engages in vigorous leisure activity at least 20 minutes a day on three or more days of the week. Cases are assigned values based on the following conditions:

Condition:	VIGPA Value:	VIGPA Label:
If AE25AMIN \geq 20 (average of at least 20 minutes vigorous activity a day) AND AE25 \geq 3 (vigorous activity 3 or more days a week)	1	AT LEAST 20MIN/DAY AND 3 DAYS/WEEK
If 0 \leq AE25AMIN $<$ 20 (less than 20 minutes average vigorous activity per day) OR 0 \leq AE25 $<$ 3 (less than 3 days vigorous activity per week)	2	LESS THAN 3 DAYS/WK OR 20 MIN/DAY

REGACT

Regular, Moderate, or Vigorous Activity

The REGACT variable is created from constructed variables MODACT and VIGPA, and questionnaire items AE24 and AE26. REGACT is a three-level construct that indicates how often the respondent engages in regular, moderate, or vigorous physical activity. Cases are assigned values based on the following conditions:

Condition:	REGPA Value:	REGPA Label:
If VIGPA=1 (vigorous activity 20 min or more 3 or more days a week) OR MODACT=1 (moderate activity 30 min or more 3 or more days a week)	1	Regular physical activity
If AE24 = 1 (vigorous activity in past week) OR AE26 = 1 (moderate activity at least 10 min in past week)	2	Some physical activity
IF AE24 = 2 (no vigorous activity in past week) OR AE26=2 (no moderate activity at least 10 min in past week)	3	Sedentary (no physical activity)

HEALTH DISABILITY

DISABLE

Disability Status Due to Physical/Mental/Emotional Condition

The DISABLE variable is a dichotomous indicator of whether or not the respondent is disabled based on self-reports of a disability due to a physical, mental or emotional condition. DISABLE is constructed using questionnaire items AD50, AD51, AD52, AB53, AD54, and AD57. Cases are assigned values based on the following conditions:

Condition:	DISABLE Value:	DISABLE Label:
If AD50=1 (blind or deaf, or have a severe vision or hearing problem) OR If AD51=1 (difficulty learning, remembering, or concentrating) OR If AD52=1 (difficulty dressing, bathing, or getting around the house) OR If AD53=1 (difficulty going outside the home alone to shop or visit a doctor's office) OR If AD54=1 (difficulty working at a job or business) OR If AD57=1 (condition that substantially limits one or more basic activities such as walking, climbing stairs, reaching, lifting, or carrying)	1	DISABLED
All other values	2	NOT DISABLED

Adults who are 65 years and older were excluded from having a disabling condition due to difficulties at a job or business.

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 **Spouse’s/Partner’s Earnings Last Month (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 Westat 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 2007 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) 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. Each case is tested through the following series of conditions until a value is assigned:

Condition:	POVLL Value:	POVLL Label:
AK18A=1 (equal to or less than calculated POVRT100)	1	0-99 %FPL

AK18A=2 (more than POVRT100) or AK18B=1 (equal to or less than calculated POVRT 200)	2	100-199% FPL
AK18B=2 (more than POVRT200) or AK18C=1 (equal to or less than POVRT300)	3	200-299% FPL
AK18C=2 (more than POVRT300)	4	300% FPL and above

- 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	0-99% FPL
If HHINC <= POVRT200n	2	100-199% FPL
If HHINC <= POVRT300n	3	200-299% FPL
If HHINC > POVRT300n	4	300% FPL and above

POVLL2_P

Poverty Level as Times of 100% FPL (PUF Recode)

The POVLL2_P variable is based on the POVLL2 (source) variable. This variable provides a recoded continuous measure of poverty times the 100% Federal Poverty Level.

Top-code is 24.

POVGWD_P

Family Poverty Threshold Level (PUF Recode)

The POVGWD_P construct is a recoded variable of POVGWD that measures family poverty threshold level.

Top code: 24.

HHSIZE_P

Household Size (PUF Recode)

The HHSIZE_P variable is a recoded variable based on the HH_SIZE variable that measures household size. The purpose of the household size variable is to combine the number of adults, children, and adolescents 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

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.

Construction of this variable is based on the following criteria:

1. 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.
2. Next, scores were assigned to one of the following food security metric scale scores:

Condition:	FSLEVTEMP Value:
If FSLEVSCR=0	0
If FSLEVSCR=1	2.04
If FSLEVSCR=2	2.99
If FSLEVSCR=3	3.77
If FSLEVSCR=4	4.50
If FSLEVSCR=5	5.38
If FSLEVSCR=6	6.06

3. 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

4. Cases with fewer 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 200% of federal poverty line (FSLEVCB=-1).

CITIZENSHIP AND IMMIGRATION

AH33NEW

Born in U.S.

The AH33NEW variable is derived from source variable AH33. It dichotomizes AH33 responses into two categories indicating whether or not the respondent was born in the United States or one of its territories. Respondents who were born in U.S. or one of its territories (i.e. American Samoa, Guam, Puerto Rico, and the Virgin Islands) are coded as having been born in the U.S. (AH33NEW=1). All other responses are coded as having been born outside the U.S. (AH33NEW=2).

CITIZEN2

Citizenship Status for Adults

The CITIZEN2 variable collapses green card status and is created in order to provide another indication of 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

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.

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

Condition:	CNTRYF Value:	CNTRYF Value:
If AH35=1 (United States), 2 (America Samoa), 9 (Guam), 22 (Puerto Rico), 26 (Virgin Islands)	1	United States

If AH35=18 (Mexico)	2	Mexico
If AH35=5 (El Salvador), 10 (Guatemala), 27 (Other Central America)	3	Central America
If AH35=28 (Other South America), 32 (Caribbean)	4	Other Latin America
If AH35=4 (China), 12 (India), 13 (Iran), 16 (Japan), 17 (Korea), 19 (Philippines), 23 (Russia), 24 (Taiwan), 25 (Vietnam), 29 (Other Asian or Pacific Island), 33 (Middle East)	5	Asia and Pacific Islands
If AH35=6 (England), 7 (France), 8 (Germany), 11 (Hungary), 14 (Ireland), 15 (Italy), 20 (Poland), 21 (Portugal), 30 (Other Europe)	6	Europe
If AH35=3 (Canada), 31 (Africa), 34 (Other)	7	Other

Cases in which a father’s country of birth could not be ascertained were imputed to assign a value to CNTRYM.

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.

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

Condition:	CNTRYM Value:	CNTRYM Value:
If AH34=1 (United States), 2 (America Samoa), 9 (Guam), 22 (Puerto Rico), 26 (Virgin Islands)	1	United States
If AH34=18 (Mexico)	2	Mexico
If AH34=5 (El Salvador), 10 (Guatemala), 27 (Other Central America)	3	Central America
If AH34=28 (Other South America), 32 (Caribbean)	4	Other Latin America

If AH34=4 (China), 12 (India), 13 (Iran), 16 (Japan), 17 (Korea), 19 (Philippines), 23 (Russia), 24 (Taiwan), 25 (Vietnam), 29 (Other Asian or Pacific Island), 33 (Middle East)	5	Asia and Pacific Islands
If AH34=6 (England), 7 (France), 8 (Germany), 11 (Hungary), 14 (Ireland), 15 (Italy), 20 (Poland), 21 (Portugal), 30 (Other Europe)	6	Europe
If AH34=3 (Canada), 31 (Africa), 34 (Other)	7	Other

Cases in which a mother’s country of birth could not be ascertained were imputed to assign a value to CNTRYM.

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

AH34NEW Mother Born In U.S.

The AH34NEW variable is derived from source variable AH34. It dichotomizes AH34 responses into two categories indicating whether or not the respondent’s mother was born in the United States or one of its territories. Respondents whose mother was born in U.S. or one of its territories (i.e. American Samoa, Guam, Puerto Rico, and the Virgin Islands) are coded as having been born in the U.S. (AH34NEW=1). All other responses are coded as having been born outside the U.S. (AH34NEW=2).

AH35NEW Father Born In U.S.

The AH35NEW variable is derived from source variable AH35. It dichotomizes AH35 categories into two categories indicating whether or not the respondent’s father was born in the United States or one of its territories. Respondents whose father was born in U.S. or one of its territories (i.e. American Samoa, Guam, Puerto Rico, and the Virgin Islands) are coded as having been born in the U.S. (AH35NEW=1). All other responses are coded as having been born outside the U.S. (AH35NEW=2).

CNTRY5 Country Born In

CNTRY5 is constructed with questionnaire items AH33 and AH33OS. CNTRY5 is constructed by re-classifying the verbatim responses in AH33OS into AH33 and creating more general categories that identify the adult respondent’s geographic place of birth. Values are assigned based on the following criteria:

Condition:	CNTRY5 Value:	CNTRY5 Label:
AH33=1 (United States), 2 (America Samoa), 9 (Guam), 22 (Puerto Rico)	1	United States

AH33=18 (Mexico)	2	Mexico
AH33=5 (El Salvador), 10 (Guatemala), or 27 (Other Central America)	3	Central America
AH33=28 (Other South America), 32 (Caribbean)	4	Other Latin America
AH33=4 (China), 12 (India), 13 (Iran), 16 (Japan), 17 (Korea), 19 (Philippines), 23 (Russia), 24 (Taiwán), 25 (Vietnam), 29 (Other Asian or Pacific Island), or 33 (Middle East)	5	Asia and Pacific Islands
AH33=6 (England), 7 (France), 8 (Germany), 11 (Hungary), 14 (Ireland), 15 (Italy), 20 (Poland), 21 (Portugal), or 30 (Other Europe)	6	Europe
AH33=3 (Canada), 31 (Africa), or 34 (Other)	7	Other

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 who reported a particular year (1895-2002).

The value for this variable is calculated for the respondents who report a particular year by subtracting the year they report from 2007 (2007-AH41).

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. (PUF Recode)**

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 $0 \leq \text{PCTLF} \leq 20$	1	0%-20%
If $21 \leq \text{PCTLF} \leq 40$	2	21%-40%
If $41 \leq \text{PCTLF} \leq 60$	3	41%-60%
If $61 \leq \text{PCTLF} \leq 80$	4	61%-80%
If $81 \leq \text{PCTLF}$	5	81%+

EMPLOYMENT

WRKST

Working Status

This variable provides a categorical measure of current working status for adults and is derived from questionnaire items AK1, AK2, AK3, and AG10.

WRKST values are assigned in the following hierarchical manner:

1. Respondents who currently/usually work per week, were working at a job last week, or were looking for work last week were assigned values based on the following criteria:

Condition:	WRKST Value:	WRKST Label:
If $\text{AK3} \geq 21$	1	Full-time employed (21+ hours/week)
If $0 < \text{AK3} \leq 20$	2	Part-time employed (0-20 hours/week)
If $\text{AK1} = 1$ and $\text{AK3} = 0$	3	Unemployed and looking for work
If $\text{AK1} = 3$ or $\text{AG10} = 3$	4	Not working

2. All cases that reported having a job but were not at work last week were coded as being unemployed and looking for work:

Condition:	WRKST Value:	WRKST Label:
$\text{AK1} = 2$	3	Unemployed and looking for work

3. Respondents who reported not working at a job or business last week, usually work, and were either laid off or on family or maternity leave were also coded as being unemployed and looking for work:

Condition:	WRKST Value:	WRKST Label:
If $\text{AK1} = 4$ and AK2 in (8 or 9) and $\text{AG10} = 1$	3	Unemployed and looking for work

4. Respondents who reported not working at a job last week due to reasons other than being laid off or maternity leave were coded as unemployed and not looking for work:

Condition:	WRKST Value:	WRKST Label:
If AK1=4	5	Unemployed and not looking for work

Cases in which current working status could not be ascertained are imputed to assign a value to WRKST.

WRKST_S **Spouse Working Status**

The WRKST_S variable is derived from questionnaire items AK20, AG8, AG11, and AH43. This variable categorizes the working status of the adult respondent’s spouse. Values are assigned based on the following criteria:

Condition:	WRKST_S Value:	WRKST_S Label:
If AK20>=21	1	Full-time employed (21+ hours/week)
If 0<AK20<=20	2	Part-time employed (0-20 hours/week)
If AG8=(1 or 2) and AK20=0	3	Employed but not at work
If AG8=3 or AG11=3	4	Unemployed, looking for work
If AG8=4	5	Unemployed, not looking for work

Respondents with no spouse (AH43=-1) are assigned an inapplicable value of WRKST_S= (-1).

Cases for which current working status of the spouse could not be ascertained are imputed to assign a value to WRKST_S.

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 rounding to the nearest whole number. This variable presents the values in range levels.

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

GEOGRAPHIC INFORMATION

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 2007 geoboundaries, 2007 redistricting updates, and 2007 population estimates. We obtained a file from Claritas Inc. that contains the ZIP codes in California and their associated urbanization categories.

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 (more than 4,150 persons/square mile).
2 nd City	ZIP codes associated with moderate-density neighborhoods in population centers (more than 1,000 and fewer than 4,150 persons/square mile).
Suburban	ZIP codes associated with moderate-density neighborhoods that are not surrounded by urban or second-city population centers (estimated to be more than 1,000 persons/square mile and not in an urban or 2 nd city population center).
Town or Rural	ZIP codes associated with isolated small towns or less-developed areas on the exurban frontier (estimated to be more than 210 but fewer than 950 persons/square mile). Small villages and rural hamlets surrounded by productive farmland or wide-open spaces (estimated to be 210 or fewer persons/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 to classify these cases..

The cases with no ZIP code information are imputed to assign a value to UR_CLRT.

UR_CLRT2 Rural and Urban - Claritas (2 levels)

Four 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, 2nd 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 small town or rural UR_CLRT category (if UR_CLRT=4) are considered to be rural (UR_CLRT2=2).

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_BG

Rural and Urban - Claritas (By Block Group)

The UR_BG variable assigns rural and urban block group using the definition from the commercial company, Claritas, Inc. We obtained a file from Claritas Inc. that contains block groups in California and their associated urbanization categories. In order to construct UR_BG, the block group for each case (using the CBLK variable) is assigned to its corresponding urbanization category as provided by Claritas. For cases with missing CBLK data, the block the respondent reports using questionnaire items AM8 and AM9 is used in order to make this assignment.

Claritas assigns block groups in California to 4 urbanization categories based on the analysis of population density grids of 2007 geoboundaries, 2007 redistricting updates, and 2007 population estimates.

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

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

The cases with no block information are imputed to assign a value to UR_BG.

UR_TRACT

Rural and Urban - Claritas (By Census Tract)

The UR_TRACT variable assigns the definition of rural and urban tract from the commercial company, Claritas, Inc. We obtained a file from Claritas Inc. that contains the tracts in California and their associated urbanization categories. Claritas assigns the tracts in California to 4 urbanization categories based on the analysis of population density grids of 2007 geoboundaries, 2007 redistricting updates, and 2007 population estimates.

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

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

In order to create the UR_TRACT variable, the tract for each case is assigned to its corresponding urbanization category as provided by Claritas. For cases with missing tract data, the tract of the respondent reports in questionnaire items AM8 and AM9 is used in order to make this assignment.

The cases with no tract information are imputed to assign a value to UR_TRACT.

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 are 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 metropolitan county (SRCNTY) are assigned to the metropolitan category (UR_OMB=1) (see Appendix A for list of counties).
2. The cases with respondents who report that they live within a non-metropolitan county (SRCNTY) are assigned to the non-metropolitan category (UR_OMB=2) (see Appendix A for list of counties).

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 to determine metropolitan and non-metropolitan areas (see UR_OMB). However, to 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. Respondents who report that they live within counties that are designated as rural are coded as rural (UR_RPH=2).
2. The cases with census tracts that are designated as rural, within a large urban county, are assigned to the rural category.
3. The remaining respondents who report that they live within a county that is classified as urban counties are coded as urban (UR_RHP=1).

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 either as urban or rural. All counties (SRCNTY) are classified as either rural or urban using the IHS definition. In addition, the cities of San Diego, Santa Barbara, and Bakersfield are coded as urban.

1. Respondents who report that they live within an urban county are coded as urban (UR_IHS=1).
2. Respondents who report that they live in ZIP codes within the cities of San Diego, Santa Barbara, or Bakersfield are also assigned to the urban category for this variable (UR_IHS=1).
3. Respondents who report that they live within a rural county, but are not in ZIP codes for the cities of San Diego, Santa Barbara or Bakersfield, are considered to be rural (UR_IHS=2).

HOUSING AND NEIGHBORHOOD VARIABLES

TIMEAD

Length of Time Lived at Current Address

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

SRTENR

Self-Reported Household Tenure (HH)

SRTENR is a Westat-generated variable and is constructed using the adult questionnaire item, AK25. Adult respondents who own their households are assigned a value of SRTENR=1. Adult respondents who rent their households are assigned a value of SRTENR=2. For missing values, AK25 is imputed. For this imputation method, please consult methodology reports by the CHIS data collection vendor, Westat.

OTHER CONSTRUCTED VARIABLES

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.

1. First, values are assigned to a LANGTEMP variable based on criteria from questionnaire items AH36_1 – AH36_22.

Condition:	LANGTEMP value:	LANGTEMP label:
If AH36_1=1	1	English
If AH36_2=1	2	Spanish
If AH36_3=1 or AH36_6=1	3	Chinese
If AH36_4=1	4	Vietnamese
If AH36_5=1	5	Tagalog
If AH36_7=1	6	Korean
If AH36_8=1	7	Asian Indian Languages
If AH36_9=1	8	Russian
If AH36_12=1	9	Japanese
If AH36_13=1	10	Other Asian Language
If AH36_14=1 or AH36_15=1 or AH36_16=1	11	European
If AH36_18=1	12	Farsi
If AH36_19=1	13	Armenian
If AH36_20=1	14	Arabic
If AH36_21=1	15	African/Afro-Asiatic
If AH36_22=1	16	Other language

2. For cases in which respondents speak two or more languages, values for LANGTEMP were assigned based on the following criteria:

If AH36_1=1 and AH36_2=1	17	English and Spanish
If AH36_1=1 and (AH36_3=1 or AH36_6=1)	18	English and Chinese
If AH36_1=1 and (AH36_9=1 or AH36_14=1 OR AH36_15=1 OR AH36_16=1 or AH36_17=1)	19	English and European language
If AH36_1=1 and (AH36_4=1 OR AH36_5=1 or AH36_7=1 OR AH36_8=1 or AH36_13=1)	20	English and another Asian Language
If sum of AH36_1_22=2 and AH36_1=1	21	English and one other language
If sumAH36_1-22>=2	22	Other two or more languages/ three or more languages

3. 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

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 imputed to assign a value to SPK_ENG.

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

AHCHLDC

Amount Per Week Paid for Child Care

Adults who have children under 14 and used paid child care in the last month (AH44A) are asked in the 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 who did not use paid childcare in the last month, are assigned a skip value (-1) for this variable.

Remaining respondents are imputed to assign a value.

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 th or 5 th 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	PhD 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

MARIT2

Marital Status – 4 Categories

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 purpose of MARIT2 is to separate those who are living with their partner from those who are widowed, separated, or divorced.

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

Condition:	MARIT value:	MARIT label:
If AH43 = 1 (married)	1	Married
If AH43 = 2 (living with partner)	2	Living with partner
If AH43 = 3 (widowed) or 4 (divorced) or 5 (separated)	3	Widowed/Separated/Divorced
If AH43 = 6 (never married)	4	Never married

PROXY

Proxy Interview

The PROXY variable provides an indicator of whether or not the respondent participated in a proxy interview on behalf of another household member. Respondents serving as proxies are assigned the value PROXY=1. Non-proxy interviews are assigned a value of PROXY=2.

SRAGE_P

Self-Reported Age (PUF recode)

The SRAGE_P is a recoded version of SRAGE, which assigns age to the respondent.

[Note:](#) Top code: 85

SRSEX

Gender

SRSEX is a variable created by the CHIS data collection vendor, Westat. It is a dichotomous variable indicating the gender of the adult respondent.

AI75_P Recode)

Parent Perception: Main Reason Not Get HPV Vaccine (PUF

The AI75_P variable is a PUF recode version of questionnaire item AI75, which indicates the main reasons the daughters of the adult respondents had not received HPV vaccine. The categories are assigned as followed:

Condition:	AI75_P Value:	AI75_P Label:
If AI75=1	1	Does not need vaccine
If AI75=2	2	Not sexually active
If AI75=3	3	Too expensive
If AI75=4	4	Too old for vaccine
If AI75=5	5	Doctor didn't recommend it
If AI75=6	6	Worried about safety of vaccine
If AI75=9	7	Don't know enough about vaccine
If AI75=7, 8, 10	8	Other

AE81_P

Main Reason Not Want HPV Vaccine (PUF Recode)

The AE81_P variable is a PUF recode version of questionnaire item AE81, which indicates the main reasons the adult respondents did not want their daughters to get HPV vaccine. The categories are assigned as followed:

Condition:	AE81_P Value:	AE81_P Label:
If AE81=1	1	Does not need vaccine
If AE81=2	2	Not sexually active
If AE81=3	3	Too expensive
If AE81=4	4	Too old for vaccine
If AE81=5	5	Doctor didn't recommend it
If AE81=6	6	Worried about safety of vaccine
If AE81=9	7	Don't know enough about vaccine
If AE81=7, 8, 10	8	Other

CANCER VARIABLES

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 the most recent blood stool test cannot be determined are imputed to assign a value to FOBT2.

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 screening for specific cancer-related conditions. More specifically, this variable provides a dichotomous measure of whether or not an adult, age 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 5 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 value of CRC_SCRN= (-1).

Cases in which cancer screening cannot be ascertained are imputed to assign a value to CRC_SCRN.

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] OR [AD5=0]	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 imputed to assigned a value to PAP_SCRN.

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 age 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	More than 2 years ago

If AD14=2	3	Never
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Male respondents are assigned a skip value of MAM_SCRN= (-1).

Cases in which mammogram screening among women cannot be determined are imputed to assign a value to MAM_SCRN.

FOOD AND DRINKS VARIABLES

AE_FRIES **Number of times ate fries per week**

The variable AE_FRIES is constructed with variable AE3 and AE3UNT. The purpose of AE_FRIES is to convert all units into number of times per week.

AE_SODA **Number of times drank soda per week**

The variable AE_SODA is constructed with variable AC11 and AC11UNT. The purpose of AE_SODA is to convert all units into number of times per week.

AE_VEGI **Number of times ate vegetables per week**

The variable AE_VEGI is constructed with variable AE7 and AE7UNT. The purpose of AE_VEGI is to convert all units into number of times per week.

AE_FRUIT **Number of times eating fruit per week**

The variable AE_FRUIT is constructed with variable AE2 and AE2UNT. The purpose of AE_FRUIT is to convert all units into number of times per week.

HEIGHT AND WEIGHT VARIABLES

BMI_P **Body Mass Index for Adults (PUF Recode)**

The BMI_P variable is continuous and is a recoded version of BMI. BMI_P is calculated with the PUF variables that represent weight (WEIGHK_P - top coded) and height (HEIGHM_P - bottom coded). If no top or bottom code is assigned for weight or height, BMI=BMI_P.

Top code: 12
Bottom code: 99

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 $0 \leq \text{BMI} \leq 18.49$	1	Underweight
If $\text{BMI} > 18.49$ and $\text{BMI} \leq 24.99$	2	Normal
If $\text{BMI} > 24.99$ and $\text{BMI} \leq 29.99$	3	Overweight
If $\text{BMI} > 29.99$	4	Obese

Cases in which BMI cannot be determined are imputed to assign an RBMI value.

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 or 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 $\text{RBMI} = 3$ or 4	1	Yes
If $\text{RBMI} = 1$ or 2	2	No

Cases in which RBMI cannot be determined are imputed to assign an OVRWT value.

HGHTM_P **Height – Meters (PUF Recode)**

The HGHTM_P variable is a recoded version of the HGHTM variable.

Top code: 2 meters.
Bottom code: 1 meter.

HEIGHM_P **Height – Meters (UCLA) (PUF Recode)**

The HEIGHM_P variable is a recoded version of the HEIGHTM variable using the UCLA definition of conversion. It uses the top and bottom code of HEIGHTM.

Bottom code: 1.1 meter. Top code: 2 meters.

HGHTI_P **Height – Inches (PUF Recode)**

The HGHTI_P variable is a recoded version of the HGHTI variable.

Top code: 77 inches.

WGHTK_P **Weight – Kilograms (PUF Recode)**

The WGHTK_P variable is a recoded version of the WGHTK variable.

Top code: 150 kilos.
Bottom code: 41 kilos.

WEIGHK_P **Weight – Kilograms (UCLA) (PUF Recode)**

The WEIGHK_P variable is a recoded version of the WEIGHTKG variable using the UCLA definition of conversion. It uses the top code of WEIGHTKG.

Top code: 150 kilos.

WGHTP_P **Weight – Pounds (PUF Recode)**

The WGHTP_P variable is a recoded version of the WGHTP variable.

Top code: 330 lbs.
Bottom code: 90 lbs.

WT18K_P **Weight at Age 18 – Kilograms (PUF Recode)**

The WT18K_P variable is a recoded version of the WT18K variable.

Top code: 150 kilos.
Bottom code: 41 lbs.

WT18P_P **Weight at Age 18 – Pounds (PUF Recode)**

The WT18P_P variable is a recoded version of WT18P.

Top Code: 330 lbs.
Bottom code: 90 lbs.

Appendix A

Urban and Rural Specifications

Rural and urban – IHS

IHS - Urban

STRATA_2:

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

STRATA_2:

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

STRATA_2:

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.

Rural and Urban – Office of Rural Health Policy

RHP - Rural

STRATA_2:

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

STRATA_2:

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 Industry (IINDCD4)

Detailed Classification Codes for Detailed Industry (3 digits)

- "-1" = "INAPPLICABLE "
- "-9" = "NOT ASCERTAINED "
- "0170" = "AGR - CROP PRODUCTION "
- "0180" = "AGR - ANIMAL PRODUCTION "
- "0190" = "AGR - FORESTRY EXCEPT LOGGING "
- "0270" = "AGR - LOGGING "
- "0280" = "AGR - FISHING, HUNTING, AND TRAPPING "
- "0290" = "AGR - SUPPORT ACTIVITIES FOR AGRICULTURE "
- "0370" = "EXT - OIL AND GAS EXTRACTION "
- "0380" = "EXT - COAL MINING "
- "0390" = "EXT - METAL ORE MINING "
- "0470" = "EXT - NONMETALLIC MINERAL MINING AND QUA "
- "0480" = "EXT - NOT SPECIFIED TYPE OF MINING "
- "0490" = "EXT - SUPPORT ACTIVITIES FOR MINING "
- "0570" = "UTL - ELECTRIC POWER GENERATION, TRANSMI "
- "0580" = "UTL - NATURAL GAS DISTRIBUTION "
- "0590" = "UTL - ELECTRIC AND GAS, AND OTHER COMBIN "
- "0670" = "UTL - WATER, STEAM, AIR CONDITIONING, AN "
- "0680" = "UTL - SEWAGE TREATMENT FACILITIES "
- "0690" = "UTL - NOT SPECIFIED UTILITIES "
- "0770" = "CON - CONSTRUCTIONS "
- "1070" = "MFG - ANIMAL FOOD, GRAIN AND OILSEED MIL "
- "1080" = "MFG - SUGAR AND CONFECTIONERY PRODUCTS "
- "1090" = "MFG - FRUIT AND VEGETABLE PRESERVING AND "
- "1170" = "MFG - DAIRY PRODUCTS "
- "1180" = "MFG - ANIMAL SLAUGHTERING AND PROCESSING "
- "1190" = "MFG - RETAIL BAKERIES "
- "1270" = "MFG - BAKERIES, EXCEPT RETAIL "
- "1280" = "MFG - SEAFOOD AND OTHER MISCELLANEOUS FO "
- "1290" = "MFG - NOT SPECIFIED FOOD INDUSTRIES "
- "1370" = "MFG - BEVERAGE "
- "1390" = "MFG - TOBACCO "
- "1470" = "MFG - FIBER, YARN, AND THREAD MILLS "
- "1480" = "MFG - FABRIC MILLS, EXCEPT KNITTING "
- "1490" = "MFG - TEXTILE AND FABRIC FINISHING AND C "
- "1570" = "MFG - CARPETS AND RUGS "
- "1590" = "MFG - TEXTILE PRODUCT MILLS EXCEPT CARPE "
- "1670" = "MFG - KNITTING MILLS "
- "1680" = "MFG - CUT AND SEW APPAREL "
- "1690" = "MFG - APPAREL ACCESSORIES AND OTHER APPA "
- "1770" = "MFG - FOOTWEAR "
- "1790" = "MFG - LEATHER TANNING AND PRODUCTS, EXCE "
- "1870" = "MFG - PULP, PAPER, AND PAPERBOARD MILLS "
- "1880" = "MFG - PAPERBOARD CONTAINERS AND BOXES "
- "1890" = "MFG - MISCELLANEOUS PAPER AND PULP PRODU "
- "1990" = "MFG - PRINTING AND RELATED SUPPORT ACTIV "
- "2070" = "MFG - PETROLEUM REFINING "
- "2090" = "MFG - MISCELLANEOUS PETROLEUM AND COAL P "

"2170" ="MFG - RESIN, SYNTHETIC RUBBER AND FIBERS "
 "2180" ="MFG - AGRICULTURAL CHEMICALS "
 "2190" ="MFG - PHARMACEUTICALS AND MEDICINES "
 "2270" ="MFG - PAINT, COATING, AND ADHESIVES "
 "2280" ="MFG - SOAP, CLEANING COMPOUND, AND COSME "
 "2290" ="MFG - INDUSTRIAL AND MISCELLANEOUS CHEMI "
 "2370" ="MFG - PLASTICS PRODUCTS "
 "2380" ="MFG - TIRES "
 "2390" ="MFG - RUBBER PRODUCTS, EXCEPT TIRES "
 "2470" ="MFG - POTTERY, CERAMICS, AND RELATED PRO "
 "2480" ="MFG - STRUCTURAL CLAY PRODUCTS "
 "2490" ="MFG - GLASS AND GLASS PRODUCTS "
 "2570" ="MFG - CEMENT, CONCRETE, LIME, AND GYPSUM "
 "2590" ="MFG - MISCELLANEOUS NONMETALLIC MINERAL "
 "2670" ="MFG - IRON AND STEEL MILLS AND STEEL PRO "
 "2680" ="MFG - ALUMINUM PRODUCTION AND PROCESSING "
 "2690" ="MFG - NONFERROUS METAL, EXCEPT ALUMINUM, "
 "2770" ="MFG - FOUNDRIES "
 "2780" ="MFG - METAL FORGINGS AND STAMPINGS "
 "2790" ="MFG - CUTLERY AND HAND TOOLS "
 "2870" ="MFG - STRUCTURAL METALS, AND TANK AND SH "
 "2880" ="MFG - MACHINE SHOPS; TURNED PRODUCTS; SC "
 "2890" ="MFG - COATING, ENGRAVING, HEAT TREATING "
 "2970" ="MFG - ORDNANCE "
 "2980" ="MFG - MISCELLANEOUS FABRICATED METAL PRO "
 "2990" ="MFG - NOT SPECIFIED METAL INDUSTRIES "
 "3070" ="MFG - AGRICULTURAL IMPLEMENTS "
 "3080" ="MFG - CONSTRUCTION MINING AND OIL FIELD "
 "3090" ="MFG - COMMERCIAL AND SERVICE INDUSTRY MA "
 "3170" ="MFG - METALWORKING MACHINERY "
 "3180" ="MFG - ENGINES, TURBINES, AND POWER TRANS "
 "3190" ="MFG - MACHINERY, N.E.C. "
 "3290" ="MFG - NOT SPECIFIED MACHINERY "
 "3360" ="MFG - COMPUTER AND PERIPHERAL EQUIPMENT "
 "3370" ="MFG - COMMUNICATIONS, AUDIO, AND VIDEO E "
 "3380" ="MFG - NAVIGATIONAL, MEASURING, ELECTOMED "
 "3390" ="MFG - ELECTRONIC COMPONENTS AND PRODUCTS "
 "3470" ="MFG - HOUSEHOLD APPLIANCES "
 "3490" ="MFG - ELECTRICAL MACHINERY, EQUIPMENT, A "
 "3570" ="MFG - MOTOR VEHICLES AND MOTOR VEHICLE E "
 "3580" ="MFG - AIRCRAFT AND PARTS "
 "3590" ="MFG - AEROSPACE PRODUCTS AND PARTS "
 "3670" ="MFG - RAILROAD ROLLING STOCK "
 "3680" ="MFG - SHIP AND BOAT BUILDING "
 "3690" ="MFG - OTHER TRANSPORTATION EQUIPMENT "
 "3770" ="MFG - SAWMILLS AND WOOD PRESERVATION "
 "3780" ="MFG - VENEER, PLYWOOD, AND ENGINEERED WO "
 "3790" ="MFG - PREFABRICATED WOOD BUILDINGS AND M "
 "3870" ="MFG - MISCELLANEOUS WOOD PRODUCTS "
 "3890" ="MFG - FURNITURE AND FIXTURES "
 "3960" ="MFG - MEDICAL EQUIPMENT AND SUPPLIES "
 "3970" ="MFG - TOYS, AMUSEMENT, AND SPORTING GOOD "
 "3980" ="MFG - MISCELLANEOUS MANUFACTURING, N.E.C "
 "3990" ="MFG - NOT SPECIFIED INDUSTRIES "
 "4070" ="WHL - MOTOR VEHICLES, PARTS AND SUPPLIES "
 "4080" ="WHL - FURNITURE AND HOME FURNISHING "

"4090" ="WHL - LUMBER AND OTHER CONSTRUCTION MATE "

"4170" ="WHL - PROFESSIONAL AND COMMERCIAL EQUIPM "

"4180" ="WHL - METALS AND MINERALS, EXCEPT PETROL "

"4190" ="WHL - ELECTRICAL GOODS "

"4260" ="WHL - HARDWARE, PLUMBING AND HEATING EQU "

"4270" ="WHL - MACHINERY, EQUIPMENT, AND SUPPLIES "

"4280" ="WHL - RECYCLABLE MATERIALS "

"4290" ="WHL - MISCELLANEOUS DURABLE GOODS "

"4370" ="WHL - PAPER AND PAPER PRODUCTS "

"4380" ="WHL - DRUGS, SUNDRIES, AND CHEMICAL AND "

"4390" ="WHL - APPAREL, FABRICS, AND NOTIONS "

"4470" ="WHL - GROCERIES AND RELATED PRODUCTS "

"4480" ="WHL - FARM PRODUCT RAW MATERIALS "

"4490" ="WHL - PETROLEUM AND PETROLEUM PRODUCTS "

"4560" ="WHL - ALCOHOLIC BEVERAGES "

"4570" ="WHL - FARM SUPPLIES "

"4580" ="WHL - MISCELLANEOUS NONDURABLE GOODS "

"4585" ="WHL - WHOLESALE ELECTRONIC MARKETS, AGEN "

"4590" ="WHL - NOT SPECIFIED TRADE "

"4670" ="RET - AUTOMOBILE DEALERS "

"4680" ="RET - OTHER MOTOR VEHICLE DEALERS "

"4690" ="RET - AUTO PARTS, ACCESSORIES, AND TIRE "

"4770" ="RET - FURNITURE AND HOME FURNISHINGS STO "

"4780" ="RET - HOUSEHOLD APPLIANCE STORES "

"4790" ="RET - RADIO, TV, AND COMPUTER STORES "

"4870" ="RET - BUILDING MATERIAL AND SUPPLIES DEA "

"4880" ="RET - HARDWARE STORES "

"4890" ="RET - LAWN AND GARDEN EQUIPMENT AND SUPP "

"4970" ="RET - GROCERY STORES "

"4980" ="RET - SPECIALTY FOOD STORES "

"4990" ="RET - BEER, WINE, AND LIQUOR STORES "

"5070" ="RET - PHARMACIES AND DRUG STORES "

"5080" ="RET - HEALTH AND PERSONAL CARE, EXCEPT D "

"5090" ="RET - GASOLINE STATIONS "

"5170" ="RET - CLOTHING AND ACCESSORIES, EXCEPT S "

"5180" ="RET - SHOE STORES "

"5190" ="RET - JEWELRY, LUGGAGE, AND LEATHER GOOD "

"5270" ="RET - SPORTING GOODS, CAMERA, AND HOBBY "

"5280" ="RET - SEWING, NEEDLEWORK AND PIECE GOODS "

"5290" ="RET - MUSIC STORES "

"5370" ="RET - BOOK STORES AND NEWS DEALERS "

"5380" ="RET - DEPARTMENT STORES AND DISCOUNT STO "

"5390" ="RET - MISCELLANEOUS GENERAL MERCHANDISE "

"5470" ="RET - RETAIL FLORISTS "

"5480" ="RET - OFFICE SUPPLIES AND STATIONARY STO "

"5490" ="RET - USED MERCHANDISE STORES "

"5570" ="RET - GIFT, NOVELTY, AND SOUVENIR SHOPS "

"5580" ="RET - MISCELLANEOUS STORES "

"5590" ="RET - ELECTRONIC SHOPPING "

"5591" ="RET - ELECTRONIC AUCTIONS "

"5592" ="RET - MAIL ORDER HOUSES "

"5670" ="RET - VENDING MACHINE OPERATORS "

"5680" ="RET - FUEL DEALERS "

"5690" ="RET - OTHER DIRECT SELLING ESTABLISHMENT "

"5790" ="RET - NOT SPECIFIED TRADE "

"6070" ="TRN - AIR TRANSPORTATION "

"6080" ="TRN - RAIL TRANSPORTATION "
 "6090" ="TRN - WATER TRANSPORTATION "
 "6170" ="TRN - TRUCK TRANSPORTATION "
 "6180" ="TRN - BUS SERVICE AND URBAN TRANSIT "
 "6190" ="TRN - TAXI AND LIMOUSINE SERVICE "
 "6270" ="TRN - PIPELINE TRANSPORTATION "
 "6280" ="TRN - SCENIC AND SIGHTSEEING TRANSPORTAT "
 "6290" ="TRN - SERVICES INCIDENTAL TO TRANSPORTAT "
 "6370" ="TRN - POSTAL SERVICE "
 "6380" ="TRN - COURIERS AND MESSENGERS "
 "6390" ="TRN - WAREHOUSING AND STORAGE "
 "6470" ="INF - NEWSPAPER PUBLISHERS "
 "6480" ="INF - PUBLISHING, EXCEPT NEWSPAPERS AND "
 "6490" ="INF - SOFTWARE PUBLISHING "
 "6570" ="INF - MOTION PICTURES AND VIDEO INDUSTRI " "
 "6590" ="INF - SOUND RECORDING INDUSTRIES "
 "6670" ="INF - RADIO AND TELEVISION BROADCASTING "
 "6675" ="INF - INTERNET AND PUBLISHING AND BROADC "
 "6680" ="INF - WIRED TELECOMMUNICATIONS CARRIERS "
 "6690" ="INF - OTHER TELECOMMUNICATION SERVICES "
 "6692" ="INF - INTERNET SERVICE PROVIDERS "
 "6695" ="INF - DATA PROCESSING, HOSTING, AND RELA "
 "6770" ="INF - LIBRARIES AND ARCHIVES "
 "6780" ="INF - OTHER INFORMATION SERVICES "
 "6870" ="FIN - BANKING AND RELATED ACTIVITIES "
 "6880" ="FIN - SAVINGS INSTITUTIONS, INCLUDING CR "
 "6890" ="FIN - NON-DEPOSITORY CREDIT AND RELATED "
 "6970" ="FIN - SECURITIES, COMMODITIES, FUNDS, TR "
 "6990" ="FIN - INSURANCE CARRIERS AND RELATED ACT "
 "7070" ="FIN - REAL ESTATE "
 "7080" ="FIN - AUTOMOTIVE EQUIPMENT RENTAL AND LE "
 "7170" ="FIN - VIDEO TAPE AND DISK RENTAL "
 "7180" ="FIN - OTHER CONSUMER GOODS RENTAL "
 "7190" ="FIN - COMMERCIAL, INDUSTRIAL, INTANGIBLE "
 "7270" ="PRF - LEGAL SERVICES "
 "7280" ="PRF - ACCOUNTING, TAX PREPARATION, BOOKK "
 "7290" ="PRF - ARCHITECTURAL, ENGINEERING, AND RE "
 "7370" ="PRF - SPECIALIZED DESIGN SERVICES "
 "7380" ="PRF - COMPUTER SYSTEMS DESIGN AND RELATE "
 "7390" ="PRF - MANAGEMENT, SCIENTIFIC AND TECHNIC "
 "7460" ="PRF - SCIENTIFIC RESEARCH AND DEVELOPMEN "
 "7470" ="PRF - ADVERTISING AND RELATED SERVICES "
 "7480" ="PRF - VETERINARY SERVICES "
 "7490" ="PRF - OTHER PROFESSIONAL, SCIENTIFIC AND "
 "7570" ="PRF - MANAGEMENT OF COMPANIES AND ENTERP "
 "7580" ="PRF - EMPLOYMENT SERVICES "
 "7590" ="PRF - BUSINESS SUPPORT SERVICES "
 "7670" ="PRF - TRAVEL ARRANGEMENTS AND RESERVATIO "
 "7680" ="PRF - INVESTIGATION AND SECURITY SERVICE "
 "7690" ="PRF - SERVICES TO BUILDINGS AND DWELLING "
 "7770" ="PRF - LANDSCAPING SERVICES "
 "7780" ="PRF - OTHER ADMINISTRATIVE, AND OTHER SU "
 "7790" ="PRF - WASTE MANAGEMENT AND REMEDIATION S "
 "7860" ="EDU - ELEMENTARY AND SECONDARY SCHOOL "
 "7870" ="EDU - COLLEGES, INCLUDING JUNIOR COLLEGE "
 "7880" ="EDU - BUSINESS, TECHNICAL, AND TRADE SCH "

"7890" ="EDU - OTHER SCHOOLS, INSTRUCTION AND EDU "
 "7970" ="MED - OFFICES OF PHYSICIANS "
 "7980" ="MED - OFFICES OF DENTISTS "
 "7990" ="MED - OFFICE OF CHIROPRACTORS "
 "8070" ="MED - OFFICES OF OPTOMETRISTS "
 "8080" ="MED - OFFICES OF OTHER HEALTH PRACTITION "
 "8090" ="MED - OUTPATIENT CARE CENTERS "
 "8170" ="MED - HOME HEALTH CARE SERVICES "
 "8180" ="MED - OTHER HEALTH CARE SERVICES "
 "8190" ="MED - HOSPITALS "
 "8270" ="MED - NURSING CARE FACILITIES "
 "8290" ="MED - RESIDENTIAL CARE FACILITIES, WITHO "
 "8370" ="SCA - INDIVIDUAL AND FAMILY SERVICES "
 "8380" ="SCA - COMMUNITY FOOD AND HOUSING, AND EM "
 "8390" ="SCA - VOCATIONAL REHABILITATION SERVICES "
 "8470" ="SCA - CHILD DAY CARE SERVICES "
 "8560" ="ENT - INDEPENDENT ARTISTS, PERFORMING AR "
 "8570" ="ENT - MUSEUMS, ART GALLERIES, HISTORICAL "
 "8580" ="ENT - BOWLING CENTERS "
 "8590" ="ENT - OTHER AMUSEMENT, GAMBLING, AND REC "
 "8660" ="ENT - TRAVELER ACCOMMODATION "
 "8670" ="ENT - RECREATIONAL VEHICLE PARKS AND CAM "
 "8680" ="ENT - RESTAURANTS AND OTHER FOOD SERVICE "
 "8690" ="ENT - DRINKING PLACES, ALCOHOL BEVERAGES "
 "8770" ="SRV - AUTOMOTIVE REPAIR AND MAINTENANCE "
 "8780" ="SRV - CAR WASHES "
 "8790" ="SRV - ELECTRONIC AND PRECISION EQUIPMENT "
 "8870" ="SRV - COMMERCIAL AND INDUSTRIAL MACHINER "
 "8880" ="SRV - PERSONAL AND HOUSEHOLD GOODS REPAI "
 "8890" ="SRV - FOOTWEAR AND LEATHER GOODS REPAIR "
 "8970" ="SRV - BARBER SHOPS "
 "8980" ="SRV - BEAUTY SALONS "
 "8990" ="SRV - NAIL SALONS AND OTHER PERSONAL CAR "
 "9070" ="SRV - DRY CLEANING AND LAUNDRY SERVICES "
 "9080" ="SRV - FUNERAL HOMES, CEMETERIES AND CREM "
 "9090" ="SRV - OTHER PERSONAL SERVICES "
 "9160" ="SRV - RELIGIOUS ORGANIZATIONS "
 "9170" ="SRV - CIVIC, SOCIAL, ADVOCACY ORGANIZATI "
 "9180" ="SRV - LABOR UNIONS "
 "9190" ="SRV - BUSINESS, PROFESSIONAL, POLITICAL "
 "9290" ="SRV - PRIVATE HOUSEHOLDS "
 "9370" ="ADM - EXECUTIVE OFFICES AND LEGISLATIVE "
 "9380" ="ADM - PUBLIC FINANCE ACTIVITIES "
 "9390" ="ADM - OTHER GENERAL GOVERNMENT AND SUPPO "
 "9470" ="ADM - JUSTICE, PUBLIC ORDER, AND SAFETY "
 "9480" ="ADM - ADMINISTRATION OF HUMAN RESOURCE P "
 "9490" ="ADM - ADMINISTRATION OF ENVIRONMENTAL QU "
 "9570" ="ADM - ADMINISTRATION OF ECONOMIC PROGRAM "
 "9590" ="ADM - NATIONAL SECURITY AND INTERNATIONA "
 "9670" ="U.S. ARMY "
 "9680" ="U.S. AIR FORCE "
 "9690" ="U.S. NAVY "
 "9770" ="U.S. MARINES "
 "9780" ="U.S. COAST GUARD "
 "9790" ="U.S. ARMED FORCES, BRANCH NOT SPECIFIED "
 "9870" ="MILITARY RESERVES OR NATIONAL GUARD "

"9890" ="ARMED FORCES "
 "9950" ="NOT IN LABOR FORCE "
 "9960" ="RETIRED "
 "9970" ="PROBLEM REFERRAL "
 "9990" ="UNCODABLE (INCLUDES REFUSED OR REPORTED) "

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 TECHNICIA "
 "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 B

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 American 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 we 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.