

**2011 Los Angeles County Health Survey  
(LACHS)**

**Survey Methodology Report**

**Conducted by Abt SRBI Inc.**

**For the  
Los Angeles County Department of Public Health**

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## I. Introduction

The 2011 Los Angeles County Health Survey (LACHS) was commissioned by the Los Angeles County Department of Public Health (LADPH) and conducted by Abt SRBI Inc., an independent market research and public opinion firm headquartered in New York City. Founded in 1981, Abt SRBI Inc. (formerly *Schulman, Ronca and Bucuvalas, Inc.*) is a full-service survey research organization with more than 25 years' experience conducting primary data collection for government, universities, non-profit organizations and commercial clients in the field of health.

The 2011 LACHS was the sixth iteration of the LACHS study (1997, 1999-2000, 2002-2003, 2005 and 2007). The LACHS collects information on adults and children in LA County about overall health, health care issues and health indicators of physical and mental well-being. The survey also helps identify key areas to address when planning for the provision of health care to county residents. The survey is designed to allow the County to develop accurate, reliable measurements for tracking health status, health conditions, access to care, use of available health services, and other health-related behaviors of County residents.

Abt SRBI assisted the Department of Public Health with the design and execution of the 2011 Adult and Child Surveys, including:

- Developing the sampling design and sample management to achieve the desired number of completes in each SPA (Service Planning Area)
- Reviewing and providing recommendations on the survey instruments
- Translating the instruments into Spanish, Cantonese, Mandarin, Korean and Vietnamese
- Programming the instrument into our CATI (Computer Assisted Telephone Interviewing) system for administration by telephone
- Pre-testing the survey instruments
- Data collection (telephone interviewing)
- Data processing and coding
- Development and creation of the statistical weights
- Delivery of all data files and documentation to the County

One notable design change implemented for the 2011 LACHS was the inclusion of a cell phone sample to improve sampling coverage. In previous waves, the LACHS only included a sample of landline telephone households. However, the percentage of households that do not have a landline phone has been increasing, and was estimated to be 21.7% in Los Angeles County in 2010. Excluding the cell-only population increases potential bias in survey results because adults in cell-only households have been shown to have different health conditions and health risk factors than adults residing in landline telephone households (Link *et. al.* 2007<sup>1</sup>). Therefore, a sample of cellular telephone numbers was added to the 2011 LACHS Adult Survey.

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<sup>1</sup> Link, M.W., Battaglia, M.P., Frankel, M.R., Osborn, L., and Mokdad, A.H. 2007. Reaching the U.S. Cell Phone Generation: Comparison of Cell Phone Survey Results with an Ongoing Landline Telephone Survey. *Public Opinion Quarterly*, 71: pp. 814-839.

## II. Populations of Interest and Study Design

### Overview

The LACHS is a population-based telephone survey of adults and children living in households within Los Angeles County, California. Households include single-family homes, townhouses, condominiums, apartments or mobile homes which are occupied by individuals, families, multiple families, extended families, or multiple unrelated individuals. The population residing in institutionalized and group quarters such as communes, convents/rectories, shelters, halfway houses, dormitories, prisons, jails, juvenile detention facilities, psychiatric hospitals, military barracks, residential treatment programs, nursing homes for the disabled/aged, and the homeless is not included in the LACHS.

Separate survey instruments are designed to collect data on the adult and child populations:

1. Adult Survey – Collects data about the adult population of LA County among a sample of households in LA County containing at least 1 adult resident.
2. Child Survey – Collects data on the child population of LA County among a sample of households containing at least 1 child under 18 years of age.

A probability sample of landline and cellular telephone numbers was used to conduct the surveys. Together, the landline and cellular telephone frames include the household population of Los Angeles County with telephone service. Using the 2005-2007 American Community Survey data for Los Angeles County, we estimate that only 1.3% of adults live in a household without any telephone service, although this can vary by SPA. The weighting procedures used for both the Adult and Child Surveys make adjustments for non-telephone households to reduce the potential bias from their exclusion from the frame.

### Adult Survey

The 2011 Adult Survey was designed to include a sample of 8,000 households, with a minimum of 500 in each of the eight (8) Los Angeles County Service Planning Areas (SPAs) which are defined geographically by census tract. A dual overlapping design was used to conduct the survey, including:

- (1) A random-digit-dial (RDD) sample frame of landline telephone numbers in LA County, and
- (2) A cross-sectional, RDD cell phone sample frame of telephone numbers from LA County (based on county of the billing office).

The sample design is referred to as “overlapping” because households that have both landline and cell telephone service have a probability of being selected from both frames. The degree of “overlap” between the frames is accounted for in the weight calculations. Telephone numbers from each frame were managed independently.

Screening procedures differed for the landline and cell frames. In households contacted from the landline frame, one adult was randomly selected to participate in the interview. In the cell frame, the adult who answered the phone was invited to participate after determining eligibility since cell phones are considered personal, not household, devices.

A total 8,036 Adult LACHS interviews were completed, including 6,686 landline interviews and 1,350 cell interviews<sup>2</sup>. Just under half of all cell phone interviews (n=657, or 48.7%) were conducted with cell-only households that do not have a landline telephone.

### **List-assisted Landline, RDD Telephone Sample**

The sample of landline telephone numbers used for the Adult Survey was provided by Survey Sampling, Inc. (SSI). The frame was defined by exchanges assigned to Los Angeles County (county FIPS code 06037), and included 100-banks from these exchanges with one or more directory-listed telephone numbers. A complete file of directory-listed residential numbers from Donnelley Marketing Information Services (DMIS) was used by SSI to remove 100-banks from the frame if they contained zero residential listings. The resulting frame contains all 100-banks from exchanges that serve LA County with at least 1 residential listed telephone number. This is known as a list-assisted landline frame.

The list-assisted RDD method is similar to the traditional Mitofsky-Waksberg method of selecting RDD samples (Waksberg 1978<sup>3</sup>). Both methods construct a frame of banks with 100 consecutive telephone numbers. All telephone exchanges classified as providing regular (“POTS”) telephone service are used in constructing the 100 banks. The two methods differ in the first stage of sampling, which classifies each bank as either working or nonworking. The Mitofsky-Waksberg method randomly chooses a number from each randomly selected bank. The selected number is dialed; if it is determined to be a household, the bank is considered to be a working bank, and the remaining numbers in the bank are eligible to be sampled. If the selected number is a business, institution, or nonworking number (i.e., an out-of-scope telephone number), the entire bank is considered nonworking and deleted from the sample.

By contrast, the list-assisted method (Tucker *et al.* 1993<sup>4</sup>) classifies banks as working or nonworking by comparing them with directory-listed residential numbers. If at least one of the numbers in a bank is a directory-listed residential number, the bank is a working bank and is eligible for sampling; but if the bank contains no directory-listed residential numbers, it is not a working bank (i.e., a zero bank). The list-assisted method is generally thought to be subject to some small coverage bias (because of unlisted residential numbers in banks that contain no listed residential numbers), but this slight bias is offset by gains in survey efficiency and lower cost. The list-assisted method was used for the LACHS.

<sup>2</sup> A total of 8,060 Adult interviews were conducted, but 24 cases were determined to reside outside of LA County in the geocoding process and were dropped from the data.

<sup>3</sup> Waksberg, J. 1978. Sampling Methods for Random Digit Dialing. *Journal of the American Statistical Association*, 73:40–46.

<sup>4</sup> Tucker, C., Casady, R.J., and Lepkowski, J. 1993. A Hierarchy of List-Assisted Stratified Telephone Sample Design Options. 1993 Proceedings of the Section on Survey Research Methods. Alexandria, VA: American Statistical Association, pp. 982–987.

The landline sample consisted of two strata:

- 1) A county-wide cross-section stratum of telephone numbers, and
- 2) A post-stratum sample of telephone numbers from exchanges selected to oversample households in SPA 1.

A pure random sample of ten-digit telephone numbers was drawn from each stratum, with each number having a known and equal probability of being selected (also known as an EPSEM sample). For sample release purposes, telephone numbers were grouped into replicates of 500 for the cross-section and 100 for the SPA 1 oversample, with all telephone numbers in a replicate released at the same time. Although the SPA 1 sample overlaps with the cross-section, telephone numbers were drawn from separate sample pulls and deduped as needed.

### **Cellular Telephone Sample**

Survey Sampling, Inc. also provided the sample of cellular (or wireless) telephone numbers for the Adult Survey. The SSI wireless sampling frame begins with 1,000-blocks constructed from exchanges that provide cellular telephone service as designated in the most recent Telecordia Terminating Point Masterfile (TPM). The frame of 1,000-blocks is then expanded to the 100-block level to identify and remove “mixed use” 100-blocks, or those that include landline numbers. The result is a sampling frame of cellular 100-blocks that is mutually exclusive of the list-assisted RDD sampling frame.

A county FIPS identifier is included for all telephone numbers in the cellular frame, and the cellular frame for the Adult Survey only included telephone numbers that were assigned to the Los Angeles County FIPS (06037). County FIPS is assigned to cellular numbers based on the location of the billing office, which is the most accurate geographic targeting information that is available for cell samples. Cellular telephone exchanges cannot be assigned to census tracts, so it was not possible to develop a post-stratum sample to oversample specific SPAs. See [Appendix II-A](#) for the complete SSI Wireless Sample Methodology.

An EPSEM sample of telephone numbers was randomly drawn from the cellular sampling frame for the Adult Survey, with each telephone number having a known and equal probability of selection. The sample was randomly assigned into replicates of 500 telephone numbers for sample release purposes, with all telephone numbers in a replicate released at the same time. All telephone numbers from the cellular frame were manually dialed in accordance with laws that prohibit cell numbers from being called by an automated dialer.

When we reached an eligible adult who resided in a household in Los Angeles County from the cellular frame, we attempted to conduct the full Adult Survey with that individual. The cellular telephone was treated as a personal device, not a household device, so the adult who answered the telephone was considered the respondent for the survey instead of randomly selecting an adult from the household as was done in the landline sample. While there is some sharing of cell phones, it appears to be under 10 percent for cell-only adults.



### **Adult Survey Oversampling Design and Interview Goals**

The 2011 Adult Survey was designed to include a sample of 8,000 households, with a minimum of 500 in each of the eight (8) Los Angeles County Service Planning Areas (SPAs).

Information from the 2000 Census was used to calculate the expected proportion of interviews that would fall into each SPA (assuming the population by SPA was proportionately represented in the cross-sectional landline stratum). SPA 1 is the only area that was not projected to yield at least 500 completed interviews. Table 1 below shows the initial expected allocation and proposed modification to the allocation of completes by SPA.

**Table 1: Approximate Target Sample Sizes for Adult Sample by SPA**

SPA	Households	Proportional Allocation	Proposed Modified Proportional Allocation
<b>SPA 1, Antelope Valley</b>	95,493	243.8	500.0
<b>SPA 2, San Fernando Valley</b>	679,886	1,735.6	1,678.3
<b>SPA 3, San Gabriel</b>	524,625	1,339.3	1,295.0
<b>SPA 4, Metro</b>	414,707	1,058.7	1,023.7
<b>SPA 5, West</b>	280,146	715.2	691.5
<b>SPA 6, South</b>	255,884	653.2	631.6
<b>SPA 7, East</b>	357,461	912.5	882.4
<b>SPA 8, South Bay</b>	525,572	1,341.7	1,297.4
	<b>3,133,774</b>	<b>8,000</b>	<b>8,000</b>

Based on these projections, we planned to use a post-stratum oversample to complete 500 interviews in SPA 1, while proportionally decreasing the number of interviews completed in the other seven SPAs. Targeting was not an option in the cell sample, since cell samples can only be targeted at the county (FIPS) level using county of the billing office<sup>5</sup>. Therefore, only landline telephone numbers were used for the oversample using a limited set of exchanges.

To identify exchanges for the SPA 1 oversample, an SSI report was run showing the number of directory listed telephone numbers in each telephone exchange that fall inside versus outside the census tracts that define the SPA. This allowed us to define a post-stratum in terms of a set of exchanges that overlap with the SPA. The set of telephone exchanges offers a specific level of coverage of the SPA in terms of directory listed numbers and also has a “hit rate” which is the expected incidence of households inside the SPA. The key is to balance coverage with the hit rate. If we included all exchanges that overlap with the SPA we would have 100% coverage but the hit rate may be very low and we would get more interviews in other SPAs from the oversample replicates. On the other hand, if we included too few exchanges the coverage rate will be very low even though the hit rate is high. We typically like to achieve a coverage rate of

<sup>5</sup> Since the cellular sample was drawn, newer geographic targeting options have become available (using individual switch centers or tower usage), although these options are still fairly ineffective at targeting small areas and can have steep coverage tradeoffs for higher incidence.

80% unless this will yield a very low hit rate. Exchanges were chosen for the SPA 1 oversample to achieve 80% coverage with an expected hit rate of 59%, as shown in [Appendix II-B](#).

To determine how many replicates of SPA 1 oversample were needed to reach the target of 500 interviews, the number of interviews completed in each SPA had to be closely monitored during data collection. This was important since interviews were completed from both the landline and cell phone samples, and we did not have an estimate of the distribution of interviews by SPA that would be completed from the cell phone sample. However, classifying interviews by SPA during data collection was a challenge since respondents cannot reliably report in which census tract they live, even though they can readily report ZIP code or address.

Although SPA boundaries are defined by census tract, we developed an approximate mapping of ZIP code to SPA and evaluated the accuracy using a subsample of completed interviews. Our GIS Department geocoded addresses for this subset of cases to code SPA, and compared that designation to the SPA predicted based on the ZIP code mapping. This analysis found that the SPA was accurately predicted by ZIP code in over 95% of the cases, and was therefore determined to be a suitable method for estimating the number of interviews completed by SPA during data collection as well as the amount of oversampling that was required to complete a minimum of 500 interviews in each SPA.<sup>6</sup> The ZIP-to-SPA mapping is shown in [Appendix II-C](#).

The estimated number of completes by SPA was periodically assessed throughout data collection, and additional SPA 1 oversample replicates were released as needed. Estimates about releasing SPA 1 oversample were made conservatively each time, because releasing more sample than necessary to reach the target number of interviews in SPA 1 would have reduced the sample size in other SPAs and increased study design effects. Since the distribution of interviews by SPA completed from the cell phone sample was unknown, SPA projections needed to be updated frequently based on actual data collected.

## [Child Survey](#)

The 2011 LACHS Child Survey was designed to include a sample of 6,000 LA County households with at least one child under the age of 18, with a minimum sample size of 500 interviews in each of the eight SPAs. In households with multiple children, one child was randomly selected to be the focus of the survey questions. The survey was completed by an adult “who knows the most about the health and daily routines of the focus child,” which was most often the parent or legal guardian.

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<sup>6</sup> We also developed a “live” geocoding process within the CATI script that used respondent-reported address to assign census tract. These results were provided to LADPH to reduce the number of cases that required geocoding post-data collection. However, address data for some cases still needed to be reviewed and cleaned prior to geocoding in order for SPA assignments to be made most accurately.

A total of 6,013<sup>7</sup> Child interviews were completed from three sample sources:

- 1) Adult Survey Completes from the Landline Frame (n=1,287 interviews)
  - All households that completed the Adult Survey and reported having at least one child under the age of 18 in the household were invited to participate in the Child Survey immediately afterwards. If the Adult Survey respondent was not the most knowledgeable, an effort was made to screen all other adult household members to identify the appropriate respondent to complete the Child Survey.
- 2) Adult Survey Completes from the Cellular Frame (n=268 interviews)
  - If the Adult Survey respondent reported having at least one child under the age of 18 in the household, an effort was made to determine which adult in the household was most knowledgeable about the focus child and asked to complete the interview. If the most knowledgeable adult was not the person who completed the Adult Survey, the phone number for the most knowledgeable adult in the household was updated (if necessary) before asking him/her to complete the interview.
- 3) Supplemental Landline RDD Sample (n=4,458 interviews):
  - An independent sample of landline RDD telephone numbers was drawn to screen households for the presence of at least one child under the age of 18. After determining household eligibility, the adult in the household with the most knowledge about the health and daily routines of the focus child was asked to complete the interview.

### **Supplemental Landline RDD Telephone Sample**

The supplemental landline frame for the Child Survey was defined the same way as the Adult Survey landline cross-section: exchanges assigned to Los Angeles County, including 100-banks with 1 or more directory-listed telephone numbers using the list-assisted method (see [List-assisted Landline, RDD Telephone Sample](#)).

The supplemental landline sample for the Child Survey consisted of three strata:

- 1) A county-wide cross-section stratum of telephone numbers,
- 2) A post-stratum sample of telephone numbers from exchanges selected to oversample households in SPA 1, and
- 3) A post-stratum sample of telephone numbers from exchanges selected to oversample households in SPA 5.

A pure random sample of ten-digit telephone numbers was drawn from each stratum with each number having a known and equal probability of being selected. Although the SPA 1 and SPA 5 sample definitions overlap with the cross-section, they were drawn from separate sample pulls and deduped with the cross-section as needed. There was no overlap between the SPA 1 and

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<sup>7</sup> A total of 6,025 Child interviews were completed, but 12 cases were determined to reside outside of LA County by the geocoding process and were dropped from the data.

SPA 5 oversamples. Within each stratum, telephone numbers were randomly assigned into replicates of about 500, with all telephone numbers in a replicate released at the same time.

### ***Child Survey Oversampling Design and Interview Goals***

The Child Survey was designed to sample 6,000 households, with a minimum of 500 in each SPA. The distribution of households by SPA with at least one child under the age of 18 was taken from the 2000 Census and used to calculate the proportional allocation of interviews by SPA. With no oversampling, SPA 1 and SPA 5 were both projected to yield fewer than 500 completes. Therefore, we planned to oversample these areas to reach 500 interviews in each, and proportionally reduce the number of interviews in the remaining six SPAs. Table 2 shows the proportional allocation and proposed modification by SPA for the Child Survey. The proposed modification figures served as rough targets for the number of interviews to be completed in each SPA.

**Table 2: Approximate Target Sample Sizes for Child Sample by SPA**

SPA	Households w/Children under 18	Proportional Allocation	Proposed Modified Proportional Allocation
<b>SPA 1, Antelope Valley</b>	48,389	224.4	500.0
<b>SPA 2, San Fernando Valley</b>	270,311	1,253.7	1,139.6
<b>SPA 3, San Gabriel</b>	235,994	1,094.5	994.9
<b>SPA 4, Metro</b>	139,136	645.3	586.6
<b>SPA 5, West</b>	59,269	274.9	500.0
<b>SPA 6, South</b>	142,831	662.4	602.1
<b>SPA 7, East</b>	188,571	874.6	795.0
<b>SPA 8, South Bay</b>	209,173	970.1	881.8
	<b>1,293,674</b>	<b>6,000</b>	<b>6,000</b>

The sample design to achieve this distribution of Child interviews by SPA needed to account for the fact that interviews were completed from Adult Survey completes as well as the supplemental landline RDD sample. Therefore, the number of interviews by SPA that would be completed from Adult Survey completes was estimated based on the assumption that 50% of the eligible cases from the Adult Survey would also complete the Child Survey. Using Census 2000 data about the proportion of households in each SPA with at least one child under the age of 18, we calculated the expected number of Child interviews that would be completed by SPA from the Adult Survey completes by multiplying 1) the expected number of Adult interviews by 2) the proportion of households with children, by 3) the estimated 50% completion rate. Then we subtracted this number from the rough target number of Child interviews in each SPA to estimate the number of interviews that would need to be completed from the supplemental RDD landline sample (including the cross-section, SPA 1 and SPA 5 oversamples). Table 3 below shows the expected Child completes from the Adult Survey and the number of supplemental sample completes needed for each SPA.

**Table 3: Completes Needed from Supplemental Sample to Achieve Target Sample Size of Child Surveys in each SPA**

SPA	Target Number of Adult Survey Completes	Proportion of Households w/Children	Expected Number of Child Survey Completes (50% Completion Rate)	Total Target Number of Child Survey Completes	Supplemental Sample Child Survey Completes Required
<b>SPA 1, Antelope Valley</b>	500.0	0.507	126.7	500.0	373.3
<b>SPA 2, San Fernando Valley</b>	1,678.3	0.398	333.6	1,139.6	805.9
<b>SPA 3, San Gabriel</b>	1,295.0	0.450	291.3	994.9	703.6
<b>SPA 4, Metro</b>	1,023.7	0.336	171.7	586.6	414.8
<b>SPA 5, West</b>	691.5	0.212	73.2	500.0	426.8
<b>SPA 6, South</b>	631.6	0.558	176.3	602.1	425.9
<b>SPA 7, East</b>	882.4	0.528	232.7	795.0	562.2
<b>SPA 8, South Bay</b>	1,297.4	0.398	258.2	881.8	623.7
	<b>8,000</b>		<b>1663.7</b>	<b>6,000</b>	<b>4,336.3</b>

The number of Child interviews completed in each SPA was periodically assessed using the same ZIP-to-SPA mapping procedure used in the Adult Survey to check interview progress. These estimates were used to project how many additional completes were needed in SPA 1 and SPA 5 from oversamples to reach the minimum sample size of 500 interviews. SPA 1 and SPA 5 oversample replicates were released at multiple times throughout the field period conservatively to avoid further undersampling of the remaining six SPAs.

The SPA 1 oversample was defined the same way for the Child Survey as for the Adult Survey – exchanges that provide 80% coverage and an approximate 59% hit rate of the set of census tracts that comprise the SPA 1 area (see [Appendix II-B](#)).

The SPA 5 oversample was defined in a similar way, using exchanges that provide 80% coverage of the census tracts that comprise the SPA 5 area with an approximate hit rate of 53%. Since two SPAs needed to be oversampled, it was important to ensure that telephone exchanges were assigned to one and only one post stratum. This was not an issue since the set of exchanges included in each oversample that provided 80% coverage did not overlap. The exchanges included in the SPA 5 oversample are shown in [Appendix II-D](#).

### III. Questionnaire Development

Separate questionnaires were developed for the 2011 LACHS Adult and Child Surveys. The majority of questions in each instrument were taken from previous versions of the LACHS study to support trending over time, or from other well-established and recognized health surveys so comparisons could be made. New questions were also created for both surveys to address emerging areas of interest and importance to the LA County Department of Public Health.

The LADPH survey team was responsible for developing initial drafts of the Adult and Child Survey questionnaires. The Abt SRBI project management team reviewed the instruments and provided feedback on question wording, question sequencing, proper skip patterning, and recommendations for additional content. Abt SRBI also ensured that the content, wording and order of the questions would properly screen each household, that respondents would clearly understand what they were being asked to do, that the interview could be administered smoothly and efficiently, and that the data collected would ultimately support LADPH's research goals. Multiple drafts of the survey instruments were developed over several months before each was ultimately deemed ready to undergo pre-testing.

## IV. Structure and Content of the Adult Survey

The outline of the structure and general content of the 2011 LACHS Adult Survey questionnaire is provided below.

### Adult Survey Screener

After confirming a phone number belonged to a household or individual, the interviewer introduced himself and attempted to explain that we were calling on behalf of the LADPH to conduct the LACHS Survey. Specific screening procedures differed for the landline and cell phone samples.

In the landline sample, an adult was asked a series of questions to determine whether the household was located within LA County and qualified to participate. After confirming household eligibility, an inventory of the adults residing in the household was taken. In households with more than one adult, the CATI program randomly selected one adult to complete the survey based on respondent selection procedures described below. If the CATI program selected a different adult than the individual who answered the screener questions, the interviewer introduced himself and explained the purpose of the call again to the selected respondent. Once the selected adult came on the phone for the interview, they were asked to choose the language in which they preferred to conduct the interview.

Individuals contacted from the cell phone sample were required to confirm residency in LA County, in addition to questions that confirm: (1) the respondent was not currently driving, (2) was at least 18 years of age, (3) that the phone number we had reached was the number we sampled, and (4) that the number we dialed was a cellular phone. Since cell phones are considered personal, not household, devices, the individual who answered was allowed to continue with the interview after successfully answering all the screener questions.

Interviewers who were trained to administer the 2011 LACHS were provided with a list of pre-scripted responses to Frequently Asked Questions (FAQs) to answer any questions about the survey (see [Appendix IV-A](#)). When requested, interviewers also provided respondents with a contact phone number for the LADPH to verify the legitimacy of the study or ask any other study-related questions that the interviewer could not answer.

### Respondent Selection Procedure

As stated in the previous section, the landline screener questions enumerated adult residents of the household in order to randomly select one adult to be interviewed. In households with only one adult resident, the adult was selected and we attempted to complete the interview with him/her. In households with more than one adult, the CATI script randomly selected one adult, with each having an equal probability of selection.

In households with two adults, either the respondent who completed the screener questions or the other adult was selected. If the other adult was selected, we asked to speak with him/her directly to recruit their participation in the survey, or schedule a callback if needed.

In households with three or more adult residents, the person who completed the screener had the same probability of being selected as any other adult in the household. For example, in a household with three adults, there was a 1 in 3 (33%) probability that the person who completed the screener would be selected and a 2 in 3 (67%) probability that another adult would be selected. If the respondent who completed the screener was selected, the interview continued. If another adult was selected, we determined who the selected respondent was by asking for the person who had celebrated the “most recent birthday.” Once the selected adult was identified in the household, all subsequent attempts to contact that household were made with the goal of speaking to and conducting the interview with that adult.

### Adult Survey Main Questionnaire

The Main section of the Adult Survey included a core set of more than 250 questions (although not every question was applicable to or asked of every respondent).

The topic areas that made up the core of the Main section are as follows:

1. **Health Status:** This set of questions was designed to gauge the overall physical and mental health of the respondent, and included questions about health-related quality of life.
2. **Health Conditions:** This section included questions about physical and/or mental health conditions, including those that had not been discussed with or treated by a health professional, as well as height and weight.
3. **Mental Health:** These questions dealt specifically with mental and/or emotional issues and their impact on the respondent.
4. **Employment and Daily Activities:** This section asked about employment and/or disability status, physical activities that the respondent engaged in, and the degree and duration to which those activities were performed.
5. **Health Insurance and Access to Care:** These questions asked about current health insurance coverage, the extent to which cost was a barrier to health care, and whether respondents had a regular source of health care.
6. **Vaccinations:** This section asked whether the respondent received a flu shot (seasonal flu or H1N1 swine flu), pneumonia shot (for respondents that were aged 65+), HPV vaccine (men 18-26/women 18-30), and whether they had seen or heard any public health advertising (in any form) regarding getting the H1N1 vaccination.



7. **Tobacco:** These questions established if the respondent ever used tobacco products. Individuals who self-identified as current tobacco users were asked a detailed battery of questions to assess the amount and frequency of their tobacco use, smoking in the home, and about tobacco cessation and products.
8. **Alcohol:** This section included questions about the amount and frequency of alcohol use, as well as other types of prescription and illegal drugs.
9. **Sexual/Reproductive Health:** This section asked about current and past sexual behaviors of the respondent, including questions about number of sexual partners (both of the same gender and/or the opposite gender), as well as the use of condoms and other types of pregnancy prevention methods.
10. **Public Assistance/Food Insecurity:** In these final 2 sections, questions assessed the respondent's need for food stamps and any difficulties they had being able to afford and/or have access to food when they were hungry.
11. **Housing:** This section assessed the type of housing in which the respondent lived at the time of the interview and tenure (rented, owned, other) and whether the respondent had ever been homeless or had homeless individuals stay with them on their property.
12. **Veteran Status:** Two questions were asked in this section about the respondent's military service and (if applicable) if they had ever served in a combat zone.
13. **Demographics:** Basic demographic questions about the respondent and the household included city and zip code of residence, origin of birth, race/ethnicity/ancestry, language spoken in the household, education, marital status, sexual orientation, access to the internet, and household size/make up. gender, age, and whether the respondent had ever been incarcerated during adult life.
14. **Household Income:** This section asked whether household income was above or below poverty level thresholds (i.e. – poverty level, 200% above poverty level, 300% above poverty level, and 400% above poverty level). Poverty level was calculated for each household based on the total number of adults and the total number of children (under 18 years of age) using Federal Poverty Levels published by the US Census for 2010.
15. **Phone/Cell Phone Usage:** This section has questions about the presence and use of landline and cell phones among household members, including the number and type of phones in the household, and the frequency with which they are used to make and receive calls. Responses to these questions were used to develop weighting targets for telephone service groups.

### Additional Questions Asked of Subsamples of Adults

Eight “subsample” modules were also included in the Main Adult Questionnaire. Each module consisted of a block of questions and was administered to approximately one-eighth of the sample (1,000 interviews). The CATI script randomly assigned each case to one of the eight subsample groups at the beginning of the survey. Each subsample module was programmed at a point within the Main Questionnaire based on topic to ensure that the survey would flow in a cohesive manner.

The topics of the eight subsample modules was as follows:

1. **Street Vendors/Salmonella/Arts:** The questions in this module asked about the respondent’s frequency of eating raw shellfish, as well as food from street vendors and/or food carts/trucks, and whether they had ever become sick as a result of eating these foods. This module also included questions about involvement in any activities related to the arts and culture.
2. **Nutrition:** This module assessed access to fresh produce, frequency of drinking sweetened beverages, and opinions about other nutrition-related issues that could potentially impact County residents.
3. **Healthy Homes/Neighborhoods:** This module addressed issues related to environmental health hazards in the home such as mold, pests, and lead, as well as neighborhood conditions such as being safe, clean, well-lit, and well-maintained.
4. **Food Poisoning/Pasteurization/Herbal/STD:** In this diverse module, respondents were asked if they knew how and where they should report cases of food poisoning, about exposure to dairy products that were not pasteurized, use of herbal supplements, and whether or not that had undergone any testing for sexually transmitted diseases (STDs).
5. **Emotional Support/Caregiving/Emergency Preparedness/Alcohol:** This module asked whether respondents received adequate social and emotional support, and whether they provided care or assistance to an aging adult or an individual with a long-term illness or disability. Questions regarding the respondent’s preparedness to deal with emergencies or disasters were also addressed in this module. Additionally, this module included a series of questions about the respondent’s feelings towards several hypothetical laws related to the sale and use of alcohol.
6. **Tobacco Policy 1:** Given the number of additional tobacco policy questions LADPH wanted to include in the survey, two Tobacco Policy subsample modules were created. In the first module, respondents were asked their opinion towards exposure to second hand smoke and cigarette use by minors, as well as whether or not they favored several proposed laws banning smoking in outdoor areas. Also included in this module were questions about whether the respondent was living in subsidized public housing, and a description of the type of housing in which they were living.

7. **Tobacco Policy 2:** The second Tobacco Policy module consisted of a series of agree/disagree statements that covered a wide range of issues related to the sale and use of tobacco products within the County.
8. **Child Policy:** In this module, respondents were asked a series of agree/disagree statements about issues related to pre-school/pre-kindergarten, awareness of County organizations like First Five LA, sources from which they may have heard about First Five LA, and topic areas that they may or may not associate with First Five LA. Also included in this module were questions about knowledge and use of LA County's 211 telephone information line and the type of water that the respondent drinks in their home.

The English-language version of the Adult Questionnaire is included in [Appendix IV-B](#).

## V. Structure and Content of the Child Survey Questionnaire

### Survey Screener

Eligibility requirements for the Child Survey included residing in LA County and having at least one child under the age of 18 in the household. Child Survey interviews originated from one of two sources – completed Adult Survey interviews or the supplemental landline RDD sample, and eligibility was established differently for the two sample sources.

Adult Survey respondents already had to confirm residency in LA County to be eligible for the interview. The Adult Survey included questions about the presence of children in the household, so the interview itself served as the Screener for determining eligibility for the Child Survey. However, fully completing the Adult Survey is a third eligibility requirement that is unique to this group only.

In the supplemental landline sample, calls began with the interviewer introducing himself to an adult member of the household, and explaining that we were calling to conduct the LACHS Child Survey on behalf of LADPH. An attempt was made to screen the household to determine eligibility for the survey by asking :

1. If the household was located in LA County, and if so in what city or town, and
2. How many children lived in the household who were: (1) 12 to under 18 years of age, (2) 6 to under 12 years of age, or (3) 5 years of age or younger.

Once eligible households were identified, a “focus child” was chosen at random and we attempted to complete the interview with the adult in the household who had the most knowledge about the health and daily routines of the selected child.

### Respondent and Child Selection Procedure

After determining eligibility, the CATI script calculated the total number of children in the household based on answers to questions about the number of children who were: (1) 12 to under 18 years of age, (2) 6 to under 12 years of age, and (3) 5 years of age or younger. The CATI script enumerated all children in the household by age group, and order of age within groups. For example, a household with two children in each age category would have a child selected at random from the following:

- Oldest child who is 12 to under 18 year old
- 2<sup>nd</sup> oldest child who is 12 to under 18 year old
- Oldest child who is 6 to under 12 year old
- 2<sup>nd</sup> oldest child who is 6 to under 12 year old
- Oldest child who is 5 years or age or younger
- 2<sup>nd</sup> oldest child who is 5 years or age or younger

The selected child was identified to the respondent by age category and oldest, 2<sup>nd</sup> oldest, 3<sup>rd</sup> oldest, etc.

Once a focus child was selected, we attempted to identify and speak directly with the adult in the household who was the most knowledgeable about the health and daily routines of the “focus child.” If this required a new adult to be brought to the phone, we determined the language required to communicate with the new respondent and scheduled a callback if necessary. Once the new respondent was on the phone, the interviewer would reintroduce themselves, and explain the project’s purpose and sponsor before confirming that this new adult was the most knowledgeable about the health and daily routines of the focus child. Once the appropriate adult was identified, we attempted to recruit their participation in the Child Survey. For eligible respondents who had also completed the Adult Survey, we administered the Child Survey in the same language as was the Adult Survey.

### Child Survey Questionnaire

The Child Survey questionnaire contained over 200 individual questions, though most of these questions were not asked of all respondents. Many questions were only asked in interviews where the selected focus child was 5 years of age or younger. Interviews conducted about a focus child aged 6 to under 18 years of age were much shorter by comparison. Child interviews that originated from Adult Survey completes were also shorter, as some of the questions had already been answered in the Adult Survey.

The 2011 Child Survey included questions on the following topics:

1. **Child Identification and Background:** Basic information was collected about the focus child to help administer the survey, including the child’s name or initials, age, and gender, in addition to the respondent’s gender and relationship to the focus child.
2. **Prenatal/Infant-care Questions:** This section was administered only if the focus child was aged 5 years or younger, and many questions were only asked if the child’s biological mother was interviewed. Questions assessed preparatory actions the mother took before the pregnancy, whether the biological mother smoked during pregnancy, experience with breastfeeding in the days and months after birth, the timing of feeding the infant formula and other food items besides breast milk, participation in the WIC program, and whether parenting information was received from health care or social workers.
3. **Family Interaction:** These questions were only asked if the focus child was aged 5 years or younger, and assessed how often family members engage in activities such as reading, telling stories, teaching words/numbers/letters, or singing/playing music with the child.

4. **Child Care:** This section was only asked if the focus child was aged 5 years or younger, and included questions about childcare arrangements used for the focus child, difficulties arranging childcare, and barriers to finding or keeping regular childcare.
5. **Parental Support:** This section assessed the respondent's ability to obtain advice or help when it came to raising the focus child, and how often the respondent was impacted by negative emotions, such as lack of interest or feelings of depression. Questions about the respondent's familiarity with and use of the First Five LA Parent Helpline, as well as their feelings about caring for the "focus child" were also included.
6. **Physical Activity:** Questions assessed the frequency and duration of physical activities in which the child participated, such as biking, skateboarding, playing sports, playing physically-interactive games (Wii Sports, Wii Fit, etc.), or taking classes like gymnastics or karate. The respondent was also asked how important art activities were to a child's education and whether the child's community provided safe places to play. The amount of "screen time" children had each day using a computer at home, watching television, or playing video games was also assessed.
7. **Diet/Nutrition:** Questions were included to assess how often the child ate fast food and drank sweetened beverages.
8. **Health Conditions or Disabilities and Special Health Needs:** This section asked whether a health professional ever reported that the child had health problems such as ADD, autism, diabetes, or asthma. If the child did have any of these conditions, follow-up questions were administered to determine how the condition was being treated. Questions about any special needs or limitations that the child may have were also included.
9. **Health Insurance and Barriers to Care:** Questions were included about the focus child's current health care coverage, whether the focus child had a regular source of care, and where the respondent sought health advice for the focus child if needed. Additional questions were also included about cost, language, and other barriers to medical, mental or behavioral, and dental care.
10. **Vaccinations:** These questions asked whether the child had gotten sick with the H1N1 flu, about preventative actions that the respondent may have taken because of the H1N1 flu, and whether or not the child had received the H1N1 flu vaccine. The survey also assessed the respondent's familiarity with the Human Papilloma Virus (HPV) vaccine, and whether or not the child had ever received any HPV shots. Additional questions were included about the respondent's understanding of vaccinations.
11. **Child Demographics:** This series included demographic questions about the focus child such as race/ethnicity/ancestry, origin of birth, and length of time in the US and citizen status, when applicable.

12. **Parent Demographics:** Many of the questions in this series were also asked in the Adult Survey, and therefore not re-asked in the Child Survey if a valid answer had already been provided. All questions were administered in interviews that originated in the supplement sample used for the Child Survey. Questions included the respondent's age, race/ethnicity/ancestry, preferred language spoken in their home, origin of birth, length of time in the US and citizen status (when applicable), education level, marital status, sexual orientation, and employment status. Employment status of the respondent's spouse/partner was also determined, if applicable.
  
13. **Other Household Information:** Additional information about the household and residents was assessed, including household composition, the number of cell phones in the household and how often they were used, as well as the city and zip code of residence. Household income was also determined by asking whether income fell above or below poverty thresholds (i.e. – poverty level, 200% above poverty level, 300% above poverty level, and 400% above poverty level). Poverty level for each household was calculated based on the total number of adults and children (under 18 years of age) using Federal Poverty guidelines published by the US Census for 2010.

The English-language version of the Child Questionnaire is included in [Appendix IV-B](#).

## VI. Survey Administration

### Interviewing Dates

The Adult Survey and Child Surveys of the 2011 LACHS were conducted from June 15, 2010 through June 18, 2011. All three sample sources used for the Adult and Child Surveys (Adult Landline RDD, Adult Cell Phone, and Child Supplemental samples) were released at the start of data collection. While both surveys ended on June 18, 2011, data collection for the Child Supplemental sample ended on June 11, 2011. This provided an extra week for Adult Survey interviews to complete the Child Survey (if eligible).

### Pre-testing and Pilot Test

After the English-language versions of the Adult and Child Surveys were finalized, programmed and tested internally, a Pre-test of both surveys was conducted by interviewing a small sample of households from the target sampling area (LA County). The purpose of the Pre-test was to gauge the interview length, determine if revisions were necessary to question wording and/or question order, and assess the general ease of administering the surveys.

The Pre-test was conducted from June 1<sup>st</sup> to 8<sup>th</sup>, 2010. A total of 35 Adult Survey interviews and 30 Child Survey interviews (6 from Adult Survey completes and 24 from the supplemental Child sample) were completed. The Abt SRBI Project Director was responsible for training the interviewing staff prior to the start of live data collection, and the lead contacts from LADPH monitored interviewing remotely for most of the evenings of the Pre-test. On those evenings when the LADPH contacts were unable to monitor remotely, digital recordings of the interviews were made and shared with LADPH for review.

Modifications to the questionnaire resulting from the Pre-test interviews were implemented into the CATI programming on an on-going basis throughout the Pre-test process until LADPH deemed both surveys were ready for a live launch of the project. The Pre-test was conducted in English only, using cross-sectional landline RDD sample (no cell phone sample).

### Survey Languages

Residents of LA County are racially and ethnically diverse, with large populations of Hispanics/Latinos and Asians. A notable percentage of these Hispanic and Asian residents speak little or no English. To ensure these populations could be included in the 2011 Adult and Child Surveys, both were administered in five non-English languages: Spanish, Cantonese, Mandarin, Korean, and Vietnamese.



The percent of interviews completed in each language for the Adult and Child Surveys is shown below:

Language	Adult Survey		Child Survey	
<b>English</b>	6467	80.5%	4173	69.4%
<b>Spanish</b>	1358	16.9%	1698	28.2%
<b>Cantonese</b>	52	0.6%	36	0.6%
<b>Mandarin</b>	77	1.0%	44	0.7%
<b>Vietnamese</b>	39	0.5%	44	0.7%
<b>Korean</b>	43	0.5%	18	0.3%
<b>TOTAL</b>	<b>8036</b>	<b>100.0%</b>	<b>6013</b>	<b>100.0%</b>

English and Spanish surveys were administered directly in the CATI program. Cantonese, Mandarin, Vietnamese, and Korean interviews were administered using the paper questionnaire, with answers entered directly into the CATI program while following along an English version of the interview.

### Translation and Translation Review

After the English-language versions of the Adult and Child Surveys were finalized, both surveys were translated into each of the additional five languages in which the survey was offered. The questionnaires were translated by a New York City-based firm that had the ability to translate into all five languages. The translated versions of the 2007 LACHS surveys were provided to the vendor to ensure that the existing translation would be used for questions that were identical to the 2007 survey. To facilitate this process, the 2011 English-language versions of the surveys were marked-up to indicate which questions were unchanged from the 2007 version. The marked-up questionnaires were provided to the translation vendor.

For each language, translations of the Adult and Child Surveys were reviewed independently by an Abt SRBI staff member who was fluent in that language. For the Spanish-language translations, an in-house linguistics expert who is fluent in Spanish reviewed the surveys. The translations for each of the Asian-language surveys were reviewed by a bilingual interviewer who specialized in the administration of surveys in that particular Asian language. These independent reviewers provided feedback on any problems or issues with the translation, and their comments were shared with the translation vendor to review. All issues were either corrected in the translation, or the vendor provided an acceptable justification of why no change should be made. Vendor changes and comments were shared with the reviewers, and the process continued until a consensus was reached that all translations were accurate. Once the translated surveys were finalized, a different translator (at the same vendor organization) back-translated the instruments into English for all five languages for both the Adult and Child Surveys. The English back-translations were compared to the original English version to identify any additional issues, which were discussed with the translation vendor and reviewers until a consensus was reached that the translations were accurate.

## Sample Management

Sample was managed to complete the desired number of interviews overall and in each SPA while achieving the highest response rate possible. This was done by releasing sample in batches, ensuring released sample was fully dialed according to the call protocol, monitoring refusal conversion efforts, and periodically assessing productivity to estimate the amount of sample needed to reach quotas before releasing additional sample replicates.

## Call Design and Protocol

A maximum of 14 call attempts were made for both the Adult and Child Surveys. Cases that completed the Adult Survey and were eligible to complete the Child Survey were given an additional 14 attempts (for 28 attempts total). Numbers were dialed until they achieved a terminal disposition or reached maximum attempts. A small percentage of cases received more than 14 attempts to follow-through on callback appointments and maximize response rate.

Calls were concentrated in the core dialing windows below.

- Weeknights 5PM-9PM
- Saturdays 10AM-4PM
- Sundays 1 PM to 5 PM and 5 PM to 9 PM

If contact was not established during the regular dialing windows, landline numbers were also called on weekdays during the day (roughly 12 noon to 5pm) on the 6th and 11th attempts. This schedule ensures that calls are made to households at different times of the day to maximize the chance of reaching the household.

Messages were left on the 1st, 3rd, and 9th attempts if an answering machine was encountered. The following answering machine messages were used:

### Landline

“Hello, I’m calling on behalf of your Los Angeles County Department of Public Health. This is not a sales call. We are conducting an important survey of County residents. If you have any questions about the survey, you may contact the Los Angeles County Department of Public Health at 213-240-7785. We will try reaching you another time.”

### Cell

“Hello, I’m calling on behalf of your Los Angeles County Department of Public Health. This is not a sales call. We are conducting an important survey of County residents. If you qualify, you will be reimbursed for time spent answering our questions on your cell phone. If you have any questions about the survey, you may contact the Los Angeles County Department of Public Health at 213-240-7785. We will try reaching you another time.”

An LADPH telephone number was programmed to be displayed on caller ID for calls made to landline phones for this survey. This was done so that households would reach the LADPH if the number was called back to inquire about the purpose of our call. Caller ID display is controlled by our automated dialers, which were not used to call cell phone numbers in accordance with Federal laws. Therefore, the LADPH number was only displayed on calls to landline phones<sup>8</sup>.

### Refusal and Refusal Conversion Procedures

Initial refusals by the household or respondent were classified as “soft” or “hard” (harsh) refusals. Hard refusals were not called again. Soft refusals were called again by an interviewer trained in refusal conversion techniques to try and gain cooperation of the household/individual. If the household or individual was reached and refused a second time, no further calls were made.

### Incentives

A \$10 incentive was offered to respondents who completed the Adult interview by cell phone and those who completed the Child interview after completing the Adult interview. Those who completed both the Adult and Child interviews on a cell phone were offered a total of \$20. Respondents who completed only the Adult interview on a landline phone or only the Child interview from the supplemental landline sample were not offered an incentive.

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<sup>8</sup> While our dialer was programmed to display the LADPH number for all landline calls made using the automated dialer, the telephone number actually displayed on an individual’s caller ID is controlled by the local telephone operator, and in some cases may have reflected the actual number used to place the call instead of the LADPH number.

## VII. Response Rate and Disposition of Call Attempts

The underlying principle in the calculation of a standardized AAPOR response rate is full disclosure of the method used to calculate the response rate. The purpose of this memo is to document our call disposition process and our calculations of AAPOR rates.

During data collection, each call is given a disposition that reflects the outcome of that call. Calls may be dispositioned by either the automated dialer (e.g., not in service, busy signal, no answer, etc.) or by interviewers (e.g., callback, refusal, business number, etc.). The disposition for each call attempt is recorded and stored in the sample management system (SMS) by a sample ID number. The cumulative history of dispositions for all call attempts are used to assign a single, interim disposition for each sample record. The interim disposition codes are assigned to a priority level when generating the interim (weekly status) or final disposition reports:

- 1=live-non-contact
- 2=callback
- 3=refusal
- 4=completes/deads

The priority level determines what disposition appears on the dispo report based on the following rules:

- Completes/deads (4) stay that way unless they are dialed again. If they are dialed again the priority level is reset.
- Refusals (3) keep the last refusal dispo, unless they become completes/deads (4).
- Callbacks (2) keep the last callback dispo, unless they become refusals (3) or completes/deads (4).
- Live-non-contacts (1) use the last live non-contact dispo unless they have become callbacks (2), refusals (3) or completes/deads (4).

### Calculating Final Disposition Codes from the Case-level Call History

Prior to assigning each record a final, standard AAPOR disposition code, we made several adjustments to some of the records that were dialed in the LACHS samples:

- Defined and identified partial completes and assigned them to a distinct disposition code.
- Identified cases with some data, but not enough to count as Partials, and coded them as Break-Offs.
  - Identified those “Break-offs” which also contained a “Refusal” disposition and assigned them to a distinct disposition code of Refusal and Breakoff.
- Identified those cases which provided an answer of “Don’t Know” or “Refused” to one of the Screening questions and assigned them to a distinct disposition code of Refusals to answer screening questions.

### Completes

Completed interviews are those cases with a recorded response to the last survey item within the respective version (i.e. Adult Survey or Child Survey).

### Partial Completes

Some cases did not answer enough questions to be considered completes, but did answer enough to be counted as “Partial Completes.” While AAPOR guidelines do not provide specific rules for defining Partials, they do require the criteria used to be documented. The Methodology Report for the 2007 LACHS does not specify what criteria were used to identify Partial Completes, so the previous classification could not be replicated. Therefore, we developed criteria for Partials that are consistent with AAPOR guidelines and seemed reasonably similar to the previous classification for the Adult and Child Surveys.

#### Adult Survey Criteria:

Cases with an answer to question “q34” (“Do you have any kind of dental insurance coverage that pays for some or all of your routine dental care?”) that are not Completes were recoded as a “Partial Complete.” This question was selected due to the fact that it is the mid-point of all the commonly asked questions, excluding the Screener/Respondent Selection (i.e. CS1 through S14) and Address Module questions (i.e. all questions after q91). Having answered at least up to question q34 would indicate that a respondent had completed a minimum of 50% of the questions common to all respondents of the Adult Survey.

#### Child Survey Criteria:

Similar to the criteria used for the Adult Survey, we identified Partial Completes within the Child Survey as those cases that did not complete the Child Survey, but answered a minimum of 50% of the questions that were common to all respondents of the Child Survey. The question within the Child Survey which was identified as being the mid-point of the commonly asked questions was question “c53” (“Overall, how easy or difficult is it for **(child)** to get medical care when **(he/she)** needs it?”).

### Break-Offs

We have also flagged cases that terminated in the questionnaire, but do not have enough data to count as Partials, as Break-Offs. Cases identified as “Break-Offs” which also had a disposition status of “Refused” were recoded into the “Refusal and Break-off” category in the AAPOR disposition.

#### Adult Survey Criteria:

Cases that (1) qualified for the survey (any household with adults located in LA), but (2) terminated the interview before answering question q34 were classified as Break-Offs.

Child Survey Criteria:

Cases that (1) qualified for the survey (any household in LA County that has at least 1 child under 18 living there), but (2) terminated the interview before answering question c53.

No Answer All Attempts

Many records that are No Answer for all attempts are non-working numbers or business numbers. Therefore, records with a disposition of No Answer for all LACHS dialing attempts (which was set at 14 attempts for each version) were split between Unknown Eligibility and Not Eligible based on the percentage of “good numbers” in each respective version.

The good number rate was calculated as:

$$\frac{(Interviews + Eligibles + Unknown\ eligibility + Screen-outs) - No\ answer\ all\ attempts}{All\ numbers\ dialed - No\ answer\ all\ attempts}$$

The distribution within each of the versions was as follows:

Adult Sample (RDD Landline):

- 32.16% were coded as “No Answer All Attempts - Estimated Good” (i.e. AAPOR category 3.131)
- 67.84% were coded as “No Answer All Attempts - Estimated Bad” (i.e. AAPOR category 4.310)

Child Supplemental Sample (RDD Landline):

- 32.50% were coded as “No Answer All Attempts - Estimated Good” (i.e. AAPOR category 3.131)
- 67.50% were coded as “No Answer All Attempts - Estimated Bad” (i.e. AAPOR category 4.310)

The Good Number Rate was 48.26% in the Adult Cell phone sample, although there were no records with a final disposition of “No Answer All Attempts” to reallocate.

Tables 4 and 5 provide a detailed mapping of Abt SRBI final disposition codes to AAPOR codes for the Adult and Child Surveys, respectively.

**TABLE 4: Mapping of Abt SRBI disposition codes to AAPOR codes: Adult Survey**

AAPOR Group	AAPOR Code	AAPOR Disposition Description	SRBI CATI Code	SRBI CATI Disposition Code Description	n	
					Landline	Cell
I	1	Complete	1	Proceed with Completed Interview	6686	1350
P	1.2	Partial	977	RECODED - Partial	407	99
R	2.1	Refusal and break-off	988	RECODED - Refusal and break-off	1470	90
R	2.11	Refusal	947	RECODED - DK/REF During Screening	132	173
R	2.12	Break-off	999	RECODED - Break-off	2603	194
NC	2.21	Respondent never available	33	Away for Duration	202	130
NC	2.221	Answering machine-left message	34	Answering Machine/Voice Mail	2907	1813
O	2.32	Physically or mentally unable/incompetent	24	Health Problems - SHORT TERM	39	6
O	2.32	Physically or mentally unable/incompetent	27	Hearing Problems	303	72
O	2.32	Physically or mentally unable/incompetent	29	Health Problems - LONG TERM	406	118
O	2.331	Household-level language problem	23	Foreign Language - NON-SPANISH	960	306
UH	3.12	Always busy	3	Busy	21	85
UH	3.12	Always busy	201	Dialer - busy	641	0
UH	3.13	No answer	2	No answer	381	447
UH	3.13	No answer	202	Dialer - No answer	1788	0
UH	3.131	No answer All Attempts	120	Possible Unassigned Number/No Answer All Attempts	8535	0
UH	3.15	Call blocking	138	Refusal - CALL BLOCKING	13	42
UH	3.15	Call blocking	185	Callback - CALL BLOCKING (over max)	1	0
UH	3.16	Technical Phone Problems	12	Abandoned Interview	7	0
UH	3.16	Technical Phone Problems	78	Q/O (OVER QUOTA TERMINATE) SUB-SAMPLE	1	0
UO	3.21	No Screener Completed	10	Refusal - SOFT	816	452
UO	3.21	No Screener Completed	13	Callback - APPOINTMENTS	518	181
UO	3.21	No Screener Completed	17	Refusal - HARD (Do not callback)	1566	780
UO	3.21	No Screener Completed	19	Callback - UNSPECIFIED	3752	1362
UO	3.21	No Screener Completed	59	Foreign Language - SPANISH	222	156
UO	3.21	No Screener Completed	60	FOREIGN LANGUAGE - CHINESE	99	44
UO	3.21	No Screener Completed	62	FOREIGN LANGUAGE - KOREAN	0	1
UO	3.21	No Screener Completed	63	CB1 - CS2/R2: SCHEDULE CALLBACK	0	94

AAPOR Group	AAPOR Code	AAPOR Disposition Description	SRBI CATI Code	SRBI CATI Disposition Code Description	n	
					Landline	Cell
UO	3.21	No Screener Completed	65	CB3 - CS7/R3B1A: SCHEDULE CALLBACK REF	0	12
UO	3.21	No Screener Completed	71	Hung-up	1256	924
UO	3.21	No Screener Completed	186	Second Soft Refusal	375	209
UO	3.21	No Screener Completed	190	Hung-up CB - OVER MAX	1735	564
UO	3.21	No Screener Completed	191	Hung-up REF - OVER MAX	128	15
UO	3.21	No Screener Completed	206	Dialer - nuisance hang-up	186	0
NE	4.1	Screen-outs	46	SCREEN-OUT 1 - CS9: NOT A CELL PHONE	0	26
NE	4.1	Screen-outs	47	SCREEN-OUT 2 - S2: NOT IN LA COUNTY	115	389
NE	4.2	Fax/data line	5	Fax/Modem Number/Computer Tone	5432	16
NE	4.2	Fax/data line	184	Fax/Modem/Computer Tone (live)	61	9
NE	4.2	Fax/data line	205	Dialer - modem	20	0
NE	4.3	Non-working/disconnect	35	Not in Service / Disconnected	1965	8579
NE	4.3	Non-working/disconnect	187	Bad Updated Phone	14	1
NE	4.3	Non-working/disconnect	207	Dialer - bad number syntax	34886	0
NE	4.3	Non-working/disconnect	208	Dialer - incomplete	318	0
NE	4.3	Non-working/disconnect	211	Dialer - site out of service	10464	0
NE	4.3	Non-working/disconnect	212	Dialer - new number dropped	1671	0
NE	4.3	Non-working/disconnect	221	Dialer - unknown error	379	0
NE	4.3	Non-working/disconnect	234	Dialer - Rejected number	159	0
NE	4.33	Temporarily out of service	25	Incomplete Call/Line Problems	53	87
NE	4.33	Temporarily out of service	209	Dialer - site unknown error	5	0
NE	4.33	Temporarily out of service	210	Dialer - site congestion	13	0
NE	4.42	Cell Phone	137	Cell Phone	71	0
NE	4.51	Business, government office, other organizations	22	BUSINESS/GOVERNMENT NUMBER/NON-RESIDENT	7096	1052
NE	4.9	Other	44	SCREEN-OUT 17 - CS4: CHILD/TEEN PHONE	0	373
NE	4.9	Other	45	SCREEN-OUT 18 - CS8: WRONG NUMBER	0	43
NE	4.9	Other	121	CHILD/TEEN PHONE	126	706



**TABLE 5: Mapping of Abt SRBI disposition codes to AAPOR codes: Child Survey**

AAPOR Group	AAPOR Code	AAPOR Disposition Description	SRBI CATI Code	SRBI CATI Disposition Code Description	n		
					Landline	Cell	Supplement
I	1	Complete	1	Proceed with Completed Interview	1287	268	4458
P	1.2	Partial	977	RECODED - Partial	6	0	104
R	2.1	Refusal and break-off	988	RECODED - Refusal and break-off	536	114	520
R	2.11	Refusal	947	RECODED - DK/REF During Screening	0	0	358
R	2.12	Break-off	999	RECODED - Break-off	242	70	744
NC	2.21	Respondent never available	33	Away for Duration	6	2	164
NC	2.221	Answering machine-no message left	34	Answering Machine/Voice Mail	0	0	4441
O	2.32	Physically or mentally unable/incompetent	24	Health Problems - SHORT TERM	0	0	25
O	2.32	Physically or mentally unable/incompetent	27	Hearing Problems	0	0	303
O	2.32	Physically or mentally unable/incompetent	29	Health Problems - LONG TERM	0	0	220
O	2.331	Household-level language problem	23	Foreign Language - NON-SPANISH	0	0	1394
UH	3.12	Always busy	3	Busy	0	0	32
UH	3.12	Always busy	201	Dialer - busy	0	0	809
UH	3.13	No answer	2	No answer	0	0	969
UH	3.13	No answer	202	Dialer - No answer	0	0	1978
UH	3.131	No Answer All Attempts - Estimated Good	120	Possible Unassigned Number/No Answer All Attempts	0	0	4243
UH	3.15	Call blocking	41	Callback - CALL BLOCKING	0	0	1
UH	3.15	Call blocking	138	Refusal - CALL BLOCKING	0	0	20
UH	3.16	Technical Phone Problems	12	Abandoned Interview	0	0	4
UO	3.21	No Screener Completed	10	Refusal - SOFT	0	0	638
UO	3.21	No Screener Completed	13	Callback - APPOINTMENTS	0	0	592
UO	3.21	No Screener Completed	17	Refusal - HARD (Do not callback)	0	0	1638
UO	3.21	No Screener Completed	19	Callback - UNSPECIFIED	0	0	3934
UO	3.21	No Screener Completed	59	Foreign Language - SPANISH	0	0	278
UO	3.21	No Screener Completed	60	FOREIGN LANGUAGE - CHINESE	0	0	30
UO	3.21	No Screener Completed	61	FOREIGN LANGUAGE - VIETNAMESE	0	0	26
UO	3.21	No Screener Completed	62	FOREIGN LANGUAGE - KOREAN	0	0	15

AAPOR Group	AAPOR Code	AAPOR Disposition Description	SRBI CATI Code	SRBI CATI Disposition Code Description	n		
					Landline	Cell	Supplement
UO	3.21	No Screener Completed	71	Hung-up	0	0	1754
UO	3.21	No Screener Completed	186	Second Soft Refusal	0	0	325
UO	3.21	No Screener Completed	190	Hung-up CB - OVER MAX	0	0	2381
UO	3.21	No Screener Completed	191	Hung-up REF - OVER MAX	0	0	178
UO	3.21	No Screener Completed	206	Dialer - nuisance hang-up	0	0	155
NE	4.1	Screen-outs	944	RECODED - SCREEN-OUT (NO CHILDREN IN HH)	0	0	13948
NE	4.1	Screen-outs	955	RECODED - SCREEN-OUT (NOT IN LA)	1	4	138
NE	4.2	Fax/data line	5	Fax/Modem Number/Computer Tone	0	0	7808
NE	4.2	Fax/data line	184	Fax/Modem/Computer Tone (live)	0	0	63
NE	4.2	Fax/data line	205	Dialer - modem	0	0	25
NE	4.3	Non-working/disconnect	35	Not in Service / Disconnected	15	16	4130
NE	4.3	Non-working/disconnect	187	Bad Updated Phone	0	1	7
NE	4.3	Non-working/disconnect	207	Dialer - bad number syntax	0	0	48122
NE	4.3	Non-working/disconnect	208	Dialer - incomplete	0	0	1052
NE	4.3	Non-working/disconnect	211	Dialer - site out of service	0	0	14119
NE	4.3	Non-working/disconnect	212	Dialer - new number dropped	0	0	2600
NE	4.3	Non-working/disconnect	221	Dialer - unknown error	0	0	373
NE	4.3	Non-working/disconnect	234	Dialer - Rejected number	0	0	172
NE	4.31	No Answer All Attempts - Estimated Good	120	Possible Unassigned Number/No Answer All Attempts	0	0	8812
NE	4.33	Temporarily out of service	25	Incomplete Call/Line Problems	0	0	65
NE	4.33	Temporarily out of service	209	Dialer - site unknown error	0	0	2
NE	4.33	Temporarily out of service	210	Dialer - site congestion	0	0	19
NE	4.42	Cell Phone	137	Cell Phone	2	0	67
NE	4.51	Business, government office, other organizations	22	BUSINESS/GOVERNMENT NUMBER/NON-RESIDENT	6	1	9577
NE	4.9	Other	121	CHILD/TEEN PHONE	1	1	208

## Calculating Final Outcome Rates

### Adult Survey

Final disposition codes and outcome rates for the Adult Survey were calculated separately for the Landline and Cell phone versions based on guidelines provided in AAPOR's Standard Definitions<sup>9</sup>. The final dispositions for the Adult Survey are shown in Table 6.

Next, a single set of response rates were calculated following guidelines provided by the AAPOR Cell Phone task force<sup>10</sup> for calculating a single, combined response rate from overlapping dual frame surveys:

#### **Examples of Calculating Response Rates for Dual Frame Surveys.**

In dual frame designs, the rates for the units that are sampled from each frame should be combined using weights that are proportional to each segment of the population sampled from the respective frame.

*Cell Phone Sample and Landline Sample with Overlap.* Suppose all otherwise eligible cell phone respondents are interviewed (i.e. no screening for cell-only or cell-mostly status). In this case, households with *both* landlines and cell phones can be reached by either device and thus are called —the overlap. Also assume it is not possible to identify in advance whether a telephone number from either frame is in the overlap. Assume the landline frame covers 70 percent of the population and the cell frame covers 80 percent, with 30 percent cell only and 50 percent in the overlap. First, compute the proportion of the population sampled from the landline frame as 0.2 (landline only) + 0.5/2.0 (half the overlap) which equals 0.45; for the cell frame it is 0.3 (cell-only) + 0.5/2.0 (half the overlap) which equals 0.55. In this example, the weighted overall response rate is the sum of 0.45 times the landline response rate and 0.55 times the cell frame response rate.<sup>10</sup>

<sup>9</sup> *Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys.* American Association for Public Opinion Research, 2011. Public Opinion Research, 2011.

<sup>10</sup> *New Considerations for Survey Researchers When Planning and Conducting RDD Telephone Surveys in the U.S. With Respondents Reached via Cell Phone Numbers.* AAPOR Cell Phone Task Force Report, 2010.  
[http://www.aapor.org/Cell\\_Phone\\_Task\\_Force\\_Report.htm](http://www.aapor.org/Cell_Phone_Task_Force_Report.htm)

**TABLE 6: Adult Survey Response Rates**

		<u>Landline</u>	<u>Cell</u>
<b>Interview (Category 1)</b>			
Complete	1.000	6686	1350
Partial	1.200	407	99
<b>Eligible, non-interview (Category 2)</b>			
Refusal and breakoff	2.100	1470	90
Refusal	2.110	132	173
Break off	2.120	2603	194
Respondent never available	2.210	202	130
Answering machine-no message left	2.221	2907	1813
Physically or mentally unable/incompetent	2.320	748	196
Household-level language problem	2.331	960	306
<b>Unknown eligibility, non-interview (Category 3)</b>			
Always busy	3.120	662	85
No answer	3.130	2169	447
No Answer All Attempts - Estimated Good	3.131	2745	0
Call blocking	3.150	14	42
Technical phone problems	3.160	8	0
No screener completed	3.210	10653	4794
<b>Not eligible (Category 4)</b>			
Screen-out	4.100	115	415
Fax/data line	4.200	5513	25
Non-working/disconnect	4.300	49856	8580
No Answer All Attempts - Estimated Bad	4.310	5790	0
Temporarily out of service	4.330	71	87
Cell phone	4.420	71	0
Business, government office, other organizations	4.510	7096	1052
Other	4.900	126	1122
<b>Total phone numbers used</b>		<b>101004</b>	<b>21000</b>
Completes (1.0)	I	6686	1350
Partial Interviews (1.2)	P	407	99
Refusal and break off (2.1)	R	4205	457
Non Contact (2.2)	NC	3109	1943
Other (2.3)	O	1708	502
Unknown household (3.1)	UH	5598	574
Unknown other (3.2, 3.9)	UO	10653	4794
Not Eligible (4.0)	NE	68638	11281
<b>e = Estimated proportion of cases of unknown eligibility that are eligible.</b>		$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.190
<b>Response Rate 1</b>	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.207	0.139
<b>Response Rate 2</b>	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.219	0.149
<b>Response Rate 3</b>	$I/((I+P) + (R+NC+O) + e(UH+UO) )$	0.348	0.231
<b>Response Rate 4</b>	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO) )$	0.369	0.248
<b>Cooperation Rate 1</b>	$I/(I+P)+R+O)$	0.514	0.561
<b>Cooperation Rate 2</b>	$(I+P)/((I+P)+R+O))$	0.545	0.602
<b>Cooperation Rate 3</b>	$I/((I+P)+R))$	0.592	0.708
<b>Cooperation Rate 4</b>	$(I+P)/((I+P)+R))$	0.628	0.760
<b>Refusal Rate 1</b>	$R/((I+P)+(R+NC+O) + UH + UO))$	0.130	0.047
<b>Refusal Rate 2</b>	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.219	0.078
<b>Refusal Rate 3</b>	$R/((I+P)+(R+NC+O))$	0.261	0.105
<b>Contact Rate 1</b>	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.402	0.248
<b>Contact Rate 2</b>	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.677	0.412
<b>Contact Rate 3</b>	$(I+P)+R+O / (I+P)+R+O+NC$	0.807	0.533

The LA CHS is an overlapping dual frame survey, so a combined response rate is calculated by multiplying response rates from the Landline and Cell versions by their respective compositing factors and adding them together, as shown below.

<b><u>Combined Response Rate Calculation for 2011 LA CHS Survey</u></b>			
<b><i>LA CHS Telephone Usage Weighting Targets</i></b>			
21.70%	Cell-only		
12.31%	Landline only		
65.99%	Dual		
<b>Combined RR = <math>RR^L * (.1231 + .6599/2) + RR^C * (.217 + .6599/2)</math></b>			
<b>= <math>.45305 * RR^L + .54695 * RR^C</math></b>			
0.45305	Landline compositing factor		
0.54695	Cell compositing factor		
<b><i>Adult Survey Response &amp; Cooperation Rates</i></b>			
	<u>Landline (RR<sup>L</sup>)</u>	<u>Cell (RR<sup>C</sup>)</u>	<u>Combined</u>
RR1	0.207	0.139	<b>0.170</b>
RR2	0.219	0.149	<b>0.181</b>
RR3	0.348	0.231	<b>0.284</b>
RR4	0.369	0.248	<b>0.303</b>
Coop Rate 1	0.514	0.561	<b>0.540</b>
Coop Rate 2	0.545	0.602	<b>0.576</b>
Coop Rate 3	0.592	0.708	<b>0.656</b>
Coop Rate 4	0.628	0.760	<b>0.700</b>

### **Child Survey**

Child Surveys were completed with telephone numbers from three different sample sources:

- Landline RDD sample used for the Adult Survey
- Cell RDD sample used for the Adult Survey
- Landline (Supplement) RDD sample used to screen households for the Child Survey

Approximately one-quarter of the Child Surveys were completed using telephone numbers from the landline and cell RDD sample frames that were used to conduct the Adult Survey. For these cases, the Child Survey was the second interview in a multi-stage design. AAPOR guidelines stipulate that surveys from multi-stage designs must report disposition codes and outcome rates for each separate stage as well as cumulatively, and that rates for the last stage should incorporate nonresponse at all earlier stages. For the LA CHS Child Survey, this means that outcome rates for the Adult Survey need to be factored into the final calculations of response rates.

One way to calculate response rates from a multi-stage survey is to multiply the response rate of the first stage (the Adult Survey) by a participation rate from the second stage (the Child Survey). The participation rate for the Child Survey was calculated as:

$$\frac{\text{Interviews} + \text{Partials}}{\text{All eligibles}}$$

where all eligibles equal the total number of cases that completed the Adult interview and were eligible for the Child interview, minus any cases that became ineligible because of working number status, etc.

Child Survey response rates for the Landline-from-Adult and Cell-from-Adult versions were calculated by multiplying AAPOR's Response Rates 1 through 4 from the Adult Surveys by the respective participation rates for the Child Survey:

<b>Response Rate Calculation for 2011 LA CHS Child Survey</b>		
<b>Adult Response Rates</b>	<u>Landline</u>	<u>Cell</u>
ADULT Response Rate 1	0.207	0.139
ADULT Response Rate 2	0.219	0.149
ADULT Response Rate 3	0.348	0.231
ADULT Response Rate 4	0.369	0.248
<b>Child Survey Participation rate</b>	0.623	0.590
<b>Child Response Rates (Adult RR * Participation Rate)</b>		
CHILD Response Rate 1	0.129	0.082
CHILD Response Rate 2	0.136	0.088
CHILD Response Rate 3	0.217	0.136
CHILD Response Rate 4	0.230	0.146

Three-quarters of Child Surveys were completed from a separate landline (Supplement) RDD version that screened for households in LA County with children. As this is a single-stage survey design, response rates were calculated the same way as for the Adult landline version.

The final disposition for the Child Survey showing outcomes for each of the three versions is shown in Table 7.

**TABLE 7: Child Survey Response Rates**

		<u>Landline</u>	<u>Cell</u>	<u>Supplement</u>
<b>Interview (Category 1)</b>				
Complete	1.000	1287	268	4458
Partial	1.200	6	0	104
<b>Eligible, non-interview (Category 2)</b>				
Refusal and breakoff	2.100	536	114	520
Refusal	2.110	0	0	358
Break off	2.120	242	70	744
Respondent never available	2.210	6	2	164
Answering machine-no message left	2.221	0	0	4441
Physically or mentally unable/incompetent	2.320	0	0	548
Household-level language problem	2.331	0	0	1394
<b>Unknown eligibility, non-interview (Category 3)</b>				
Always busy	3.120	0	0	841
No answer	3.130	0	0	2947
No Answer All Attempts - Estimated Good	3.131	0	0	4243
Call blocking	3.150	0	0	21
Technical phone problems	3.160	0	0	4
No screener completed	3.210	0	0	11944
<b>Not eligible (Category 4)</b>				
Screen-out	4.100	1	4	14086
Fax/data line	4.200	0	0	7896
Non-working/disconnect	4.300	15	17	70575
No Answer All Attempts - Estimated Bad	4.310	0	0	8812
Temporarily out of service	4.330	0	0	86
Cell phone	4.420	2	0	67
Business, government office, other organizations	4.510	6	1	9577
Other	4.900	1	1	208
<b>Total phone numbers used</b>		<b>2102</b>	<b>477</b>	<b>144038</b>
Completes (1.0)	I	1287	268	4458
Partial Interviews (1.2)	P	6	0	104
Refusal and break off (2.1)	R	778	184	1622
Non Contact (2.2)	NC	6	2	4605
Other (2.3)	O	0	0	1942
Unknown household (3.1)	UH	0	0	8056
Unknown other (3.2, 3.9)	UO	0	0	11944
Not Eligible(4.0)	NE	25	23	111307
<b>e = Estimated proportion of cases of unknown eligibility that are eligible.</b>	$(I+P+R+NC+O)/((I+P+R+NC+O)+NE)$	0.988	0.952	0.103
<b>Response Rate 1</b>	$I/((I+P) + (R+NC+O) + (UH+UO))$	0.620	0.590	0.136
<b>Response Rate 2</b>	$(I+P)/((I+P) + (R+NC+O) + (UH+UO))$	0.623	0.590	0.139
<b>Response Rate 3</b>	$I/((I+P) + (R+NC+O) + e(UH+UO))$	0.620	0.590	0.302
<b>Response Rate 4</b>	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO))$	0.623	0.590	0.309
<b>Cooperation Rate 1</b>	$I/((I+P)+R+O)$	0.621	0.593	0.549
<b>Cooperation Rate 2</b>	$(I+P)/((I+P)+R+O)$	0.624	0.593	0.561
<b>Cooperation Rate 3</b>	$I/((I+P)+R)$	0.621	0.593	0.721
<b>Cooperation Rate 4</b>	$(I+P)/((I+P)+R)$	0.624	0.593	0.738
<b>Refusal Rate 1</b>	$R/((I+P)+(R+NC+O) + UH + UO))$	0.375	0.405	0.050
<b>Refusal Rate 2</b>	$R/((I+P)+(R+NC+O) + e(UH + UO))$	0.375	0.405	0.110
<b>Refusal Rate 3</b>	$R/((I+P)+(R+NC+O))$	0.375	0.405	0.127

<b>Contact Rate 1</b>	$(I+P)+R+O / (I+P)+R+O+NC+ (UH + UO)$	0.997	0.996	0.248
<b>Contact Rate 2</b>	$(I+P)+R+O / (I+P)+R+O+NC + e(UH+UO)$	0.997	0.996	0.550
<b>Contact Rate 3</b>	$(I+P)+R+O / (I+P)+R+O+NC$	0.997	0.996	0.638
<b>Adult Response Rates (from LACHS - Adult Dispo_AAPOR_v2_FINAL120605.xls)</b>				
<b>ADULT Response Rate 1</b>	$I/(I+P) + (R+NC+O) + (UH+UO)$	0.207	0.139	--
<b>ADULT Response Rate 2</b>	$(I+P)/(I+P) + (R+NC+O) + (UH+UO)$	0.219	0.149	--
<b>ADULT Response Rate 3</b>	$I/((I+P) + (R+NC+O) + e(UH+UO) )$	0.348	0.231	--
<b>ADULT Response Rate 4</b>	$(I+P)/((I+P) + (R+NC+O) + e(UH+UO) )$	0.369	0.248	--
<b>Child Survey Participation rate</b>	$(I+P)/(I+P+R+NC+O+UH+UO)$	0.623	0.590	--
<b><u>Two-Stage Response Rates for Child Survey</u></b>				
<b>Response Rate 1</b>	Child participation rate * Adult RR1	0.129	0.082	--
<b>Response Rate 2</b>	Child participation rate * Adult RR2	0.136	0.088	--
<b>Response Rate 3</b>	Child participation rate * Adult RR3	0.217	0.136	--
<b>Response Rate 4</b>	Child participation rate * Adult RR4	0.230	0.146	--

Calculating a Single Set of Child Response Rates

A single set of response rates that combine the landline and cell versions were calculated using a similar compositing factor as was used for the Adult Survey. However, the telephone usage weighting targets are slightly different to reflect the percentage of cell-only, landline only, and dual users among households with at least one child in LA County. Then, the two landline rates were combined based on the percentage of interviews that were completed in each version:

<b><u>Combined Response Rate Calculation for 2011 LA CHS Child Survey</u></b>					
<b><i>LACHS Telephone Usage Weighting Targets</i></b>					
	22.26%	Cell-only			
	11.64%	Landline only			
	66.1%	Dual			
	0.4469	Landline compositing factor			
	0.5531	Cell compositing factor			
<b><i>Child Response &amp; Cooperation Rates</i></b>					
		<u>Landline</u>	<u>LL Supp</u>	<u>Total</u>	
# of interviews/partials		1293	4562	5855	
% of interviews/partials		22%	78%	100%	
Combined LL RR = $.4469 * (RR^{ll} * .22 + RR^{sup} * .78) + .5531 * RR^c$					
		<u>Landline</u>	<u>LL Supp</u>	<u>Cell</u>	<b><u>Combined</u></b>
Response Rate 1		0.129	0.136	0.082	<b>0.105</b>
Response Rate 2		0.136	0.139	0.088	<b>0.111</b>
Response Rate 3		0.217	0.302	0.136	<b>0.202</b>
Response Rate 4		0.230	0.309	0.146	<b>0.211</b>
Coop Rate 1		0.621	0.549	0.593	<b>0.580</b>
Coop Rate 2		0.624	0.561	0.593	<b>0.585</b>
Coop Rate 3		0.621	0.721	0.593	<b>0.640</b>
Coop Rate 4		0.624	0.738	0.593	<b>0.646</b>



## VIII. Final Data Preparation

### Data Processing

Data for the Adult and Child Surveys were processed periodically throughout data collection. Processing involved compilation of completed interview cases for review by the Project Manager as well as the coding of open-ended questions and questions with an other response that allowed a verbatim response to be recorded.

Verbatim responses were reviewed by the coding department to determine if “other” verbatim responses were more appropriately coded as an item in the pre-coded list, or if enough responses were given to add a new code to the list. The questions that were reviewed for coding in the Adult and Child Surveys are presented in Tables 9 and 10, respectively. Any new codes that were added are noted in these tables.

**Table 9. Coded Questions in the Adult Survey**

	Adult Survey Question	New Codes Added
<b>F2</b>	Who would you be MOST likely to report it to?	No new codes added
<b>P4</b>	From which of the following sources have you heard something about First Five L-A?	10 "Billboards" 11 "On public transportation" 12 "At work" 13 "Internet (unspecified)"
<b>Q24f</b>	What is the type or name of your insurance? [ <i>OPEN-ENDED QUESTION</i> ]	1 "Aetna" 2 "Arroya Vista (AVFHC)" 3 "Blue Cross/Blue Shield" 4 "Central Health" 5 "Cigna" 6 "Cobra" 7 "Emergency coverage" 8 "Government/VA/Medicare/Medicaid" 9 "Health Net" 10 "Health/Healthy care (unspecified)" 11 "Healthy Families" 12 "Healthy Way LA" 13 "HMO/PPO (Unspecified)" 14 "Kaiser" 15 "LA Care" 16 "Medical (Unspecified)" 17 "Medical Community Health" 18 "Molina Health Care" 19 "ORFA" 20 "ORSA" 21 "Pacific Care" 22 "United Health Care" 23 "Work/school supplied insurance" 24 "A/O mentions" 25 "Don't Know" 26 "Refused"
<b>Q64a</b>	In which country were you born?	No new codes added
<b>Q65b</b>	Which of the following best describes your (other) Hispanic ancestry or ethnic origin?	15 "Belize" 16 "Mexican-American"
<b>Q66</b>	For classification purposes, we'd like to know what your racial background is. Are you White or Caucasian, Black or African-American, Asian, Pacific Islander, American Indian or an Alaskan native, a member of another race, or a combination of these? (MULTIPLE RECORD)	No new codes added
<b>Q66a</b>	Which of the following best describes your Asian ancestry or ethnic origin?	13 "Thailand (Thai)"
<b>Q67</b>	What language is spoken most often in your home?	No new codes added

**Table 10. Coded Questions in the Child Survey**

	Child Survey Question	New Codes Added
<b>C4</b>	What is your relationship to <i>(child)</i> ?	No new codes added
<b>C38a</b>	Where did <i>(child)</i> get the H1N1 vaccine ( <i>IF C38=2 OR 3, insert: the FIRST time</i> )?	10 "At a hospital"
<b>C49g</b>	What is the type or name of <i>(child)</i> insurance?	1 "Aetna" 2 "Arroya Vista (AVFHC)" 3 "Blue Cross/Blue Shield" 4 "Central Health" 5 "Cigna" 6 "Cobra" 7 "Emergency coverage" 8 "Government/VA/Medicare/Medicaid" 9 "Health Net" 10 "Health/Healthy care (unspecified)" 11 "Healthy Families" 12 "Healthy Way LA" 13 "HMO/PPO (Unspecified)" 14 "Kaiser" 15 "LA Care" 16 "Medical (Unspecified)" 17 "Medical Community Health" 18 "Molina Health Care" 19 "ORFA" 20 "ORSA" 21 "Pacific Care" 22 "United Health Care" 23 "Work/school supplied insurance" 24 "A/O mentions" 25 "Don't Know" 26 "Refused"
<b>C63b</b>	Which of the following best describes <i>(child)</i> 's (other) Hispanic ancestry or ethnic origin?	15 "Belize" 16 "Mexican-American"
<b>C64</b>	For classification purposes, we'd like to know what <i>(child)</i> 's racial background is. Is <i>(he/she)</i> White or Caucasian, Black or African-American, Asian, Pacific Islander, American Indian or an Alaskan native, a member of another race, or a combination of these?	No new codes added
<b>C64a</b>	Which of the following best describes <i>(child)</i> 's Asian ancestry or ethnic origin?	13 "Thailand (Thai)"
<b>C67b</b>	Which of the following best describes your (other) Hispanic ancestry or ethnic origin?	15 "Belize" 16 "Mexican-American"
<b>C68</b>	For classification purposes, we'd like to know what your racial background is. Are you White or Caucasian, Black or African-American, Asian, Pacific Islander, American Indian or an Alaskan native, a member of another race, or a combination of these?)	No new codes added
<b>C68a</b>	Which of the following best describes your Asian ancestry or ethnic origin?	13 "Thailand (Thai)"
<b>C69</b>	Which language is spoken most often in your home?	No new codes added
<b>C70a</b>	In which country were you born?	No new codes added

After interviewing was complete, a final coded data set was compiled for each of the Adult and Child Surveys that contained completed interviews only in SAS format. Initial geocoding results were also provided to LADPH based on results from a “live” geocoding process that ran in the CATI program. This process used (uncleaned) respondent-reported address or cross-street information to estimate latitude and longitude coordinates by connecting to a live map server. Cases were assigned into census tract, Health District, and one of the eight SPAs. Separate Excel files with these preliminary geocoding results, address and cross-street information were sent to LADPH. LADPH used these files to geocode all cases and assign SPA following the same procedures used for previous surveys. This process identified 24 Adult and 12 Child survey cases that were not in LA County and were therefore removed from the data.

### Geocoding

The 2011 Los Angeles County Health Survey (LACHS) geographic data were initially geocoded by Abt SRBI. However, because the methodology used was not consistent with geocoding methods used in previous cycles of the LACHS, LADPH re-geocoded the geographic data using the methodology detailed below.

### Original Data

Residential addresses of survey participants for the 2011 LACHS were provided by Abt SRBI in a spread sheet. Other than geographic data, the spread sheet also included data on whether the households participated in the Adult and/or Child Surveys and whether the survey was conducted via a landline or cell phone. For households that participated in both Adult and Child Surveys, the geographic data were collected twice. A majority of these households had the same geographic data collected in both Surveys. However, some households provided different city or zip code data in the Child Survey than in the Adult Survey. We reviewed each record and assigned the record to correct city and zip code by taking street information into account.

Most respondents provided some level of street data (e.g., street name only, street number and street name, or cross-streets). However, about 25% of respondents only provided city and/or zip code and a small number (n=399) of respondents did not provide any address data.

### Data Preparation

Records were categorized into 6 different groups:

- 1) Records with detailed street address or cross-streets
- 2) Records with street name only (no street number), or records with two parallel streets
- 3) Records with zip code data only
- 4) Records with city data only
- 5) Records with city and zip code data only
- 6) Records without any address information at all

Each category was handled differently.

***Records with Detailed Street Address or Cross-Streets***

We performed simple data cleaning in Microsoft Excel by removing duplicated street information, correcting typos, and deleting apartment or suite numbers. We created three variables to store the geographic data: GEO\_CITY (for city data), GEO\_ZIP (for zip code data), and GEO\_STREET (for street data). The data file was then converted to a database file (.dbf) for automatic geocoding in ArcGIS (version 9.3.1).

Automatic geocoding was done in ArcMap using settings chosen by the County Geographic Information Officer, Mark Greninger. Specifically, the geocoding preferences were set to a spelling sensitivity of 70, a minimum match score of 63, and a minimum candidate score of 60. We used the most recent LA County Locator (the August 2010 release). This Locator contained 6 different reference files (POINT\_LCITY, POINT\_PCITY, POINT\_ZIP, STREET\_LCITY, STREET\_PCITY, and STREET\_ZIP) and ArcMap could search all of these reference files for potential matches.

Records that were unmatched or matched with low scores (<80) were reviewed and re-matched interactively. Spelling errors of street names were common. Great efforts were made to correct misspelled street names by checking the Thomas Guide and streets listed within a defined geographic area (e.g., zip code). Some errors could be easily corrected while others were systematically investigated with a series of manual steps. When necessary, we exported all street segments within a zip code from ArcMap to a dataset and removed duplicated street names in SAS. We then manually checked all the streets within the zip code to look for a possible street for the record. Due to its incompleteness, sometimes the Locator could not locate and automatically geocode correct addresses. To generate x,y coordinates for these correct addresses, we manually picked corresponding points on the map. In addition, the Locator had limited capacity to handle records with cross-streets. When the Locator could not locate the correct cross-streets, we also manually picked points on the map to generate x,y coordinates.

Upon completion of all records in this category, we performed spatial joining to generate data on census tracts (CT 2010), Health Districts (HD 2011)<sup>11</sup>, and Service Planning Areas (SPA 2011)<sup>a</sup>. The most recent boundary shape files were used.

***Records with Street Name Only or Two Parallel Streets***

For addresses with street name only, we checked the street layout within the reported city and zip code. We then exported the census tracts that the street of interest covered, within the reported city and zip code, to a spread sheet. Similarly, for addresses with two streets that did not intersect, we exported census tracts framed by these two streets within the reported city and zip code. We consolidated all the exported census tracts into one data set and then, in SAS, randomly selected a census tract for each record.

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<sup>11</sup> As of Dec 2011, the boundary is provisional.

In ArcGIS, we manually picked a point on the map for each record to facilitate spatial joining. For an address with street name only, we picked a point (approximately the center of the street segment) on the street within the selected census tract and the reported city and zip code. Similarly, for an address with parallel streets, we picked a point in the area framed by the streets within the selected census tract and the reported city and zip code. Spatial joining was then performed to generate data on census tracts (CT 2010), Health Districts (HD 2011)<sup>a</sup>, and Service Planning Areas (SPA 2011)<sup>a</sup>.

### ***Records with Zip Code Data Only***

Some respondents (n=110) only provided data on zip code of residence. Since a zip code is generally much smaller than a city in terms of geographic area, we assigned cities of residence for most of these records easily. However, two respondents reported residing in the zip code of 90274. This zip code is shared by three cities (Rolling Hills, Rolling Hills Estates, and Palos Verdes Estates). We assigned the respondents to one of these three cities randomly. All records in this category were then grouped into the category of records with city and zip code data only for assignment of Health Districts and Service Planning Areas (discussed below).

### ***Record with City Data Only***

Some respondents (n=409) only provided data on their city of residence. For records with small cities that cover exclusively or mainly a particular zip code (only a tiny portion fell into another zip code), we assigned the records with the zip codes that they exclusively or mainly cover. For records with large cities that span multiple zip codes, we used plurality zip codes to assign the missing zip code data if the respondents conducted landline interviews. If the plurality zip code fell outside of the city reported, we used an adjacent zip code within the reported city instead. However, the plurality zip codes identified for a small number (n=13) of landline respondents were far away from the reported cities of residence and therefore deemed unreliable for imputation. Additionally, there were 19 cases who conducted the survey via cell phones, for which plurality zip codes could not be obtained.

In total, we had 32 records in this category left without zip codes. For records with city located exclusively or mainly in a particular Health District (only a tiny portion fell into another Health District), we manually assigned them to the Health District where they were exclusively or mainly located. However, the City of Los Angeles covers 13 Health Districts. Hot deck procedures were used to assign these respondents (n=13) residing in the City of Los Angeles to one of the 13 Health Districts. We considered race/ethnicity, household income, and residence in the City of Los Angeles in the procedures. Records from Adult and Child Surveys were imputed separately. We further assigned the records to corresponding Service Planning Areas.

Records with assigned zip codes (n=377) were grouped into the category of records with city and zip code data only for assignment of Health Districts and Service Planning Areas (discussed below).

***Records with City and Zip Code Data Only***

We consolidated all records with reported or assigned city and zip code data into a data set. We decided not to geocode these records (n=3,064) to the census tract level. We linked the records to x,y coordinates of corresponding zip code centroids to facilitate spatial joining. In ArcGIS, we read in the records using the centroid x,y coordinates. The newly-created shape file was then joined with boundary polygons to generate data on Health Districts (HD 2011)<sup>12</sup> and Service Planning Areas (SPA 2011)<sup>a</sup>.

***Records without Address Data***

Three hundred and ninety-nine respondents did not provide address data. For respondents who conducted landline interviews (n=368), we assigned plurality zip codes and corresponding cities to them. These records were then grouped into the category of records with city and zip code data only for assignment of Health Districts and Service Planning Areas (discussed above).

The remaining 31 respondents in this category completed the survey via cell phones, for which plurality zip codes could not be obtained. To assign these records to one of the 26 Health Districts within the County of Los Angeles, we used hot deck procedures with consideration of race/ethnicity and household income. We further assigned the records to corresponding Service Planning Areas.

***Consistency Check of City and Zip Code***

We logically checked whether the reported cities and zip codes were consistent in two steps. We first checked within a reported city whether the reported zip codes were correct. We then checked within a reported zip code whether the reported city (or cities) was correct. Potential phonetic errors for cities and typos for zip codes were considered and, when necessary, were corrected. We also factored in street information to decide accuracy of the reported cities and zip codes. The logic checking steps were performed in Microsoft Excel.

For records that were geocoded to points in ArcGIS, the matched addresses provided us with either matched cities or matched zip codes. We compared the matched cities and zip codes with the reported cities and zip codes, respectively. We manually checked inconsistent records and made necessary changes to the data set.

We found that 31 respondents actually resided outside of the Los Angeles County. Majority of them were from neighboring counties (Orange County, Ventura County, and San Bernardino County). These 31 records were removed from the final data set.

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<sup>12</sup> As of Dec 2011, the boundary is provisional.

The final data set consists of the following fields:

- QKEY (data identification number)
- GEO\_CITY (corrected city)
- GEO\_ZIP (corrected zip code)
- GEO\_STREET (corrected street data)
- GEO\_PRECISION (level of geocoding)<sup>13</sup>
- X (x-coordinate)
- Y (y-coordinate)
- CENTROID\_FLAG (indicating coordinates based on zip code centroid)<sup>14</sup>
- GEO\_CT (census tract 2010)
- GEO\_HD (Health District 2011, Numeric)
- GEO\_HD\_NAME (Health District 2011, Character)
- GEO\_SPA (Service Planning Area 2011, Numeric)
- GEO\_SPA\_NAME (Service Planning Area 2011, Character)
- IMPUTATION\_FLAG (indicating imputed HDs and SPAs via hot deck procedures)
- VERSION (indicating survey modes: cellular, landline, or child supplement)
- ADULT (indicating participation of the Adult Survey)
- CHILD (indicating participation of the Child Survey)

### Summary of the Final Level of Geocoded Data

Categories	Overall		Adult Survey		Child Survey	
	N	% <sup>a</sup>	N	% <sup>a</sup>	N	% <sup>a</sup>
Total Records	12,525		8,060		6,025	
Outside of LA County	31		24		12	
Within LA County <sup>b</sup>	12,494		8,036		6,013	
Detailed Street Address or Cross- Streets <sup>c</sup>	8,011	64.12%	5,214	64.88%	4,073	67.74%
Street Name Only or Parallel Streets <sup>c</sup>	1,356	10.85%	818	10.18%	651	10.83%
City Only	32	0.26%	22	0.27%	11	0.18%
City & Zip Only <sup>d</sup>	3,064	24.52%	1,951	24.28%	1,277	21.24%
No Address Information	31	0.25%	31	0.39%	1	0.02%

<sup>a</sup> Among records within LA County.

<sup>b</sup> Categories of "Detailed Street Address or Cross Streets" and "Street Name Only or Parallel Streets" were geocoded to the census tract level, while categories of "City Only," "City & Zip Only," and "No Address Information" were geocoded to the Health District level.

<sup>c</sup> Exact x,y coordinates were assigned.

<sup>d</sup> X,y coordinates of zip code centroids were assigned.

- In adult survey, 75% of records were assigned x,y coordinates and census tracts.
- In child survey, 79% of records were assigned x,y coordinates and census tracts.

<sup>13</sup> Including 5 groups: 1) "FULL-ADDRESS" – records with detailed street address or cross-streets, 2) "STREET-ONLY" – records with street name only or parallel streets, 3) "CITY-ZIP" – records with city and zip data only, 4) "CITY" – records with city data only, and 5) "NO-ADDRESS" – records without address data.

<sup>14</sup> For records with city and zip code data only



## VIII. Statistical Weighting

### Survey Weights Overview

A total of 16 sets of weights were calculated for the Adult and Child Surveys, including:

- 1 Adult population weight
- 8 Adult subsample population weights (one for each of the 8 subsamples)
- 1 Adult household weight
- 3 Adult subsample household weights (for subsamples 3, 5, and 6 that were asked questions about the household)
- 1 Child population weight
- 1 Child household weight
- 1 Child population weight for cases in First 5 LA Best Start Communities

Population weights were developed by calculating a design weight, a compositing factor to account for the overlapping dual frame design, and then raking to population control totals. Household weights were developed by converting the population weight to an initial household weight, then raking to household-level control totals. A description of the process used for each weight is provided in the following sections.

Weights that summed to the population and sample size were provided for each, resulting in a total of 32 weight variables being produced. Weights and the related variables used in the raking process were sent to LADPH in data files that contained the DATAID (qkey) for merging with final survey data.

### Raking Overview

A survey sample may cover segments of the target population in proportions that do not match the proportions of those segments in the population itself. The differences may arise, for example, from sampling fluctuations, from nonresponse, or because the sample design was not able to cover the entire target population. In such situations one can often improve the relation between the sample and the population by adjusting the sampling weights of the cases in the sample so that the marginal totals of the adjusted weights on specified characteristics, referred to as control variables, agree with the corresponding totals for the population. This operation is known as raking ratio estimation, raking, or sample-balancing, and the population totals are usually referred to as control totals. Raking is most often used to reduce biases from nonresponse and noncoverage in sample surveys.

Raking usually proceeds one variable at a time, applying a proportional adjustment to the weights of the cases that belong to the same category of the control variable. The initial design weights in the raking process are often equal to the inverse of the selection probabilities and may have undergone some adjustments for unit nonresponse and noncoverage. The weights from the raking process are used in estimation and analysis.

The adjustment to control totals is sometimes achieved by creating a cross-classification of the categorical control variables (e.g., age categories  $\times$  gender  $\times$  race  $\times$  household-income categories) and then matching the total of the weights in each cell to the control total. This approach, however, can spread the sample thinly over a large number of adjustment cells. It also requires control totals for all cells of the cross-classification. Often this is not feasible (e.g., control totals may be available for age  $\times$  gender  $\times$  race but not when those cells are subdivided by household income). The use of raking with marginal control totals for single variables (i.e., each margin involves only one control variable) often avoids many of these difficulties.

The procedure known as raking adjusts a set of data so that its marginal totals match control totals on a specified set of variables. The term “raking” suggests an analogy with the process of smoothing the soil in a garden plot by alternately working it back and forth with a rake in two perpendicular directions.

In a simple 2-variable example the marginal totals in various categories for the two control variables are known from the entire population, but the joint distribution of the two variables is known only from a sample. In the cross-classification of the sample, arranged in rows and columns, one might begin with the rows, taking each row in turn and multiplying each entry in the row by the ratio of the population total to the weighted sample total for that category, so that the row totals of the adjusted data agree with the population totals for that variable. The weighted column totals of the adjusted data, however, may not yet agree with the population totals for the column variable. Thus the next step, taking each column in turn, multiplies each entry in the column by the ratio of the population total to the current total for that category. Now the weighted column totals of the adjusted data agree with the population totals for that variable, but the new weighted row totals may no longer match the corresponding population totals.

This process continues, alternating between the rows and the columns, and close agreement on both rows and columns is usually achieved after a small number of iterations. The result is a tabulation for the population that reflects the relation of the two control variables in the sample. Raking can also adjust a set of data to control totals on three or more variables. In such situations the control totals often involve single variables, but they may involve two or more variables.

Ideally, one should rake on variables that exhibit an association with the key survey outcome variables and that are related to nonresponse and/or noncoverage. This strategy will reduce bias in the key outcome variables. In practice, other considerations may enter. A variable such as gender may not be strongly related to key outcome variables or to nonresponse, but raking on it may be desirable to preserve the “face validity” of the sample. For more details on raking survey data see Battaglia et al. (2009)<sup>15</sup>.

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<sup>15</sup> Battaglia M, Izrael D, Hoaglin D, Frankel M. 2009. Practical Considerations in Raking Survey Data. *Survey Practice*. April 2009

**Additional Variables Used in Weighting**

Several variables were recoded for use in the weighting process by LADPH.

**Race**

Race was recoded for cases that completed the Adult and Child Survey. The variable was called RACE in the Adult data set and CRACE in the Child data set. Race was recoded to the following values using this hierarchy:

- 1=Latino (assigned if Hispanic was reported at all)
- 2=White (assigned if only White was reported)
- 3=African American (assigned if Black was reported at all)
- 4=Asian/Pacific Islander (assigned if Asian/Pacific Islander reported at all)
- 5=American Indian (assigned if only American Indian was reported)
- 8=White/American Indian (all remaining cases, which are White/American Indian)
- 9=Do not know/Refused

**Age**

In the Adult data, LADPH hot decked respondents who refused to report age (N=27) into one of the 7 age groups. This is the variable AGEGROUP.

**Education**

LADPH generally collapses the education question from 6 to 4 levels, so this variable with collapsed categories (EDU) was provided in the Adult data.

**Household Members**

Cleaned variables with the number of Adults (HOUADULT) and dependents (HOUDEPT) in the household were added to both the Adult and Child data sets.

**Health District & SPA**

LADPH provided a file classifying each Adult and Child interview case by Health District and SPA.

**First 5 LA Best Start Communities**

After geocoding was completed, LADPH also identified the Child Survey complete cases that were in one of the 14 First 5 LA Best Start Communities, which are defined by 385 census tracts (n=405). The variable BSC identified whether cases were in a BSC or not (1=yes, 2=no). The variable BSComm indicates in which of the 14 BSC communities the respondent lives:

- |                         |                              |
|-------------------------|------------------------------|
| 1='Broadway/Manchester' | 9='Panorama City'            |
| 2='Central Long Beach'  | 10='SELA'                    |
| 3='Compton'             | 11='South El Monte/El Monte' |
| 4='East LA'             | 12='Watts/Willowbrk'         |
| 5='Lancaster'           | 13='West Athens'             |
| 6='Metro LA'            | 14='Wilmington'              |
| 7='NE SFV'              | 15='Non-BSC'                 |
| 8='Palmdale'            |                              |

LADPH also provided the following population control totals for use in weighting:

1. **Final LAC ESTIMATES FOR LACHS 2011:** Contains the total population in households, the total adult population in households, and the total child population in households for Los Angeles County. Population figures are provided for each Health District and SPA. Control totals are provided separately for adults and children for race by gender by age within each SPA. Used to calculate population weights for the Adult and Child Surveys.
2. **2010 households by Health District, SPA, County Total:** Contains the count of households by SPA and Health District in Los Angeles County. Used to calculate the Adult household weights.
3. **2010 households and HHs with children by Health District, SPA, County Total:** Contains the count of households containing at least one child by SPA and Health District in Los Angeles County. Used to calculate the Child household weights.
4. **BSC ESTIMATES FOR LAHS 2012:** Contains the total child population in households within the First 5 LA Best Start Communities. Totals are provided for race/ethnicity as well as for gender by race/ethnicity. The child population in each of the 14 BSCs is also provided. Used to calculate the Child population First 5 LA BSC weights.

### Adult Survey Weights

The weighting methodology for the combined adult sample involved two main steps:

- 1) calculation of the composite weight, and
- 2) calculation of final weight based on raking to population control totals.

The development of the composite weight involved calculating a base sampling weight equal to the reciprocal of the selection probability of the sample telephone number (i.e., total telephone numbers in the sampling frame divided by telephone numbers released). The base sampling weight was adjusted for the random sampling of one adult from each landline telephone number household and for the exclusion of nontelephone households using reported interruptions in landline telephone service. The final aspect of the composite weights calculation involved combining dual user (landline and cell phone service) households from the landline and cell phone samples.

Population control totals come from the 2010 Census and the 2006-2010 American Community Survey data for Los Angeles County. The raking weighting methodology included:

**County level controls for:**

- marital status
- education
- number of adults in the household
- number of children in the household
- race/ethnicity
- age by gender
- nativity
- citizenship status
- tenure status
- Health District
- type of telephone service

**Controls within each SPA for:**

- race/ethnicity
- gender by age

The final raked weight for use in estimation is *ADULT\_POP\_WT*. The final weight for the 8,036 completed adult interviews sums to 7,252,084 adults residing in households in Los Angeles County. This population total comes from the 2010 Census. The *ADULT\_SAMP\_WT* was scaled to the sample size of 8,036 interviews.

Note: SAS weighting variables are shown in italics (e.g., *ADULT\_POP\_WT*).

**Composite Weight****Base Sampling Weight**

The sample design contains a cell phone sample and a landline sample that was divided into three exchange-defined strata. The base sampling weight for the cell phone sample equals the population count of cell phone telephone numbers divided by the sample size of cell phone numbers released for interviewer dialing. For each landline stratum, the base sampling weight equals the population count of landline telephone numbers in the stratum divided by the sample size of telephone numbers released for that stratum.

While the landline sample for the Adult Survey was managed as two strata, landline sample for the Child survey was managed as three strata: a county-wide cross-section, a post-stratum of exchanges targeted to oversample SPA 1, and a post stratum of exchanges targeted to oversample SPA 5. The set of exchanges included in the SPA 1 and SPA 5 oversamples did not overlap, so it was possible to assign each exchange that is included in the county-wide landline sampling frame to one of three categories: SPA 1 exchanges, SPA 5 exchanges, and all other exchanges. Since some Adult Survey respondents also completed the Child Survey interview, we

needed to be able to calculate the initial probability of selection from these three strata despite the fact that the Adult Survey did not include a SPA 5 oversample. As the Table 10 shows, the base weight for “all other landline exchanges” and “SPA 5 landline exchanges” are essentially identical because they were sampled at the same rate – compared to SPA 1 landline exchanges that had a higher probability of selection (and smaller base weight).

**Table 10. Adult Survey Base Sampling Weights**

FPROJ	NOSTRATA (non-overlapping strata)		Total Sample Size of Telephone Numbers	Population Count of Telephone Numbers	ADULT_BSW
4851c		Cell phone sample	21,000	13,223,600	629.70
4851l	1	All other landline exchanges	87,708	7,266,700	82.85
4851l	2	SPA 1 landline exchanges	4,453	173,300	38.92
4851l	3	SPA 5 landline exchanges	8,843	726,800	82.19

One adult was randomly sampled from each landline sample household. For the landline sample households ( $QVERS = 1$ ):  $ADULT\_BSW\_NUM = ADULT\_BSW \times S3\_R$ , where  $S3\_R$  equals  $S3$  (reported number of adults at the point of respondent selection) with the maximum number of adults in the household capped at 4. The cell phone was treated as a personal communication device and therefore no random selection of an adult from the household took place. For the cell phone sample ( $QVERS = 2$ ):  $ADULT\_BSW\_NUM = ADULT\_BSW$ .

Before adjusting the base sampling weights for households experiencing an interruption in telephone service, it was necessary to create variables related to interruption in telephone service and type of telephone service in the household. These variables are documented in [Appendix VIII-A](#) and [Appendix VIII-B](#).

### Compositing Factors

The cell phone and landline samples cannot be simply combined because there is an overlap component that would be over-represented – dual users from the cell phone sample and dual users from the landline sample. Compositing factors allow the overlap components to be combined. Furthermore, we separated the dual users from each sample into cell mostly and not cell mostly groups. We calculated separate compositing factors ( $\lambda$ ) for the cell mostly and not cell mostly groups. For each group the two compositing factors sum to 1.0 (i.e.,  $\lambda + (1 - \lambda) = 1.0$ ).

For each of the four dual user categories (*TELEPHONE\_SERVICE6* = 3, 4, 5, and 6) we calculated the coefficient of variation (CV) of *ADULT\_BSW\_INT*. The CV (*CV\_ADULT\_BSW\_INT*) was then used to calculate the design effect (*DEFF\_ADULT\_BSW\_INT*) due to unequal weighting:

$$\text{Deff} = 1 + \text{CV}^2.$$

The effective sample size (*N\_EFFECTIVE*) for each of the above four categories was calculated by dividing the unweighted count of interviews in a category by the design effect for that category.

For the cell mostly overlap sample the compositing factors equal:

$$\text{Category 3 } \text{COMPOSITING\_FACTOR} = \text{N\_EFFECTIVE} / \text{N\_TOT\_TELEPHONE\_SERVICE35}.$$

$$\text{Category 5 } \text{COMPOSITING\_FACTOR} = \text{N\_EFFECTIVE} / \text{N\_TOT\_TELEPHONE\_SERVICE35}.$$

*N\_TOT\_TELEPHONE\_SERVICE35* equals the sum of the effective sample sizes for categories 3 and 5.

For the not cell mostly overlap sample the compositing factors equal:

$$\text{Category 4 } \text{COMPOSITING\_FACTOR} = \text{N\_EFFECTIVE} / \text{N\_TOT\_TELEPHONE\_SERVICE46}.$$

$$\text{Category 6 } \text{COMPOSITING\_FACTOR} = \text{N\_EFFECTIVE} / \text{N\_TOT\_TELEPHONE\_SERVICE46}.$$

*N\_TOT\_TELEPHONE\_SERVICE46* equals the sum of the effective sample sizes for categories 4 and 6. The compositing factors are shown below.

TELEPHONE_SERVIVE6C	Number of Interviews	COMPOSITING_FACTOR
3 (Cell mostly, dual user, landline sample)	1,236	0.757
4 (Not cell mostly, dual user, landline sample)	3,986	0.904
5 (Cell mostly, dual user, cell sample)	342	0.243
6 (Not cell mostly, dual user, cell sample)	351	0.096

For *TELEPHONE\_SERVICE6* categories 3, 4, 5, and 6:

$$\text{COMPOSITE\_WT} = \text{ADULT\_BSW\_INT} \times \text{COMPOSITING\_FACTOR}.$$

For *TELEPHONE\_SERVICE6* categories 1 and 2,  $\text{COMPOSITE\_WT} = \text{ADULT\_BSW\_INT}$ .

The composite weights were ratio-adjusted so that they summed to the population count of adults living in households in Los Angeles County according to the 2010 Census.

## Raking To Population Control Totals

### Imputation for Item Nonresponse

Raking population control totals are typically not subject to missing data, however the corresponding survey variables may have missing values due to item nonresponse. The SUDAAN weighted sequential hot deck procedure was therefore used to impute missing values for weighting variables before continuing the weight calculations. The following weighting variables were imputed:

- *EDU* (Education)
- *HOUDEPT* (Number of children in the household)
- *HOUADULT* (Number of adults in the household)
- *RACE* (Race/ethnicity)
- *Q64* (Nativity)
- *Q64C\_R* (Citizenship)
- *Q75* (Marital status)
- *Q79* (Tenure status)

The hot deck imputation cells were defined using *GEO\_SPA* by *AGEGROUP\_R* (categories 1, 2, 3 combined and categories 4, 5, 6 were combined). The weighted sequential hot deck weight variable is *COMPOSITE\_WT*. The imputed variables are identified with an “I\_” in the interview data set.

### Creation of 13 Raking Variables In the Interview File

As discussed below we used raking to population control totals to create the final adult weight. An initial step in this process involved creating the raking variables in the interview data set.

*TELEPHONE\_SERVICE6C* was created from *TELEPHONE\_SERVICE6*

- |   |   |
|---|---|
| • 1 Cell-only                                   | 1 |
| • 2 Landline-only                               | 2 |
| • 3 Cell mostly, dual user, landline sample     | 3 |
| • 4 Not cell mostly, dual user, landline sample | 4 |
| • 5 Cell mostly, dual user, cell sample         | 3 |
| • 6 Not cell mostly, dual user, cell sample     | 4 |

*GEO\_HDR\_R*

- Renumber *GEO\_HD* from 1 to 26 because the control totals are numbered that way.

*GEO\_SPA\_I\_RACE\_R2*

- *GEO\_SPA* has 8 categories and *I\_RACE\_R2* defined below has 4 categories (8 x 4 = 32 cells).



*GEO\_SPA\_GENDER\_AGE*GROUP

- *GEO\_SPA* has 8 categories and *GENDER\_AGE*GROUP defined below has 14 categories (8 x 14 = 112 cells).

*I\_HOUDEPT\_R2*

- 0
- 1
- 2
- 3+

*I\_HOUADULT\_R2*

- 1
- 2
- 3
- 4+

*I\_Q64\_R2*

- 1, 2            1 Born in US
- 3                2 Born Outside US

*I\_Q64C\_R*

- 1 U.S. citizen
- 2 not U.S. citizen

*I\_Q79\_RC*

- 1                1 Own
- 2, 3            2 Rent

*I\_Q75\_R2*

- 1                1 Married
- 2, 3, 7        2 Never married, living together, domestic partners
- 4                3 Widowed
- 5, 6            4 Divorced, separated

*I\_EDU\_R*

- 1 L.T. HS
- 2 HS grad
- 3 Some college
- 4 College grad

*I\_RACE\_R2*

- 1                    1 *Latino*
- 2, 5, 8            2 *White, American Indian, American Indian and White nonHispanic*
- 3                    3 *Black nonHispanic*
- 4                    4 *Asian nonHispanic*

NOTE: American Indian and the American Indian and white multi-racial category were combined with white for the raking due to small sample sizes, and the structure of the population control totals obtained from the 2010 Census which did not include population counts for the American Indian and White multi-racial category.

*GENDER\_AGEGROUP*

*AGEGROUP* (7 categories) by *Q2* (2 categories) = 14 cells

Agegroup	q5	
• 1	1	18-24 male
• 2	1	25-29 male
• 3	1	30-39 male
• 4	1	40-49 male
• 5	1	50-59 male
• 6	1	60-64 male
• 7	1	65+ male
• 1	2	18-24 female
• 2	2	25-29 female
• 3	2	30-39 female
• 4	2	40-49 female
• 5	2	50-59 female
• 6	2	60-64 female
• 7	2	65+ female

**Raking Implementation**

The *COMPOSITE\_WT* was raked to population control totals for 13 margins:

- 1) Telephone service group (*TELEPHONE\_SERVICE6C*),
- 2) Health District (*GEO\_HD\_R*),
- 3) SPA by Race/ethnicity (*GEO\_SPA\_I\_RACE\_R2*),
- 4) SPA by gender by age (*GEO\_SPA\_GENDER\_AGEGROUP*),
- 5) Number of adults in the household (*I\_HOUADULT\_R2*),
- 6) Number of children in the household (*I\_HOUDEPT\_R2*),
- 7) Citizenship status (*I\_Q64C\_R*),
- 8) Nativity (*I\_Q64\_R2*),
- 9) Marital status (*I\_Q75\_R2*),
- 10) Tenure status (*I\_Q79\_R2*),
- 11) Education (*I\_EDU\_R*),
- 12) Race/ethnicity (*I\_RACE\_R2*), and
- 13) Gender by age (*GENDER\_AGEGROUP*).

The telephone service variable (*TELEPHONE\_SERVICE6C*) used in the raking consists of four categories:

- 1) cell-only adult,
- 2) landline-only adult, and
- 3) landline and cell (dual user) adult – cell mostly,
- 4) landline and cell (dual user) adult – not cell mostly.

It was necessary to do some collapsing of small sample size categories to help avoid extreme weights. A minimum category sample size of 20 was used. [Appendix VIII-C](#) shows each raking variable and the categories that were collapsed.

The population control totals for education, marital status, number of Adults in the household, number of Children in the household, tenure status, nativity, and citizenship status were obtained from the 2006-2010 American Community Survey PUMS. These control totals are for Adults living in households in Los Angeles County. The population control totals for Health District, race/ethnicity, gender by age, SPA by race/ethnicity, and SPA by gender by age were obtained from 2010 Census Summary Files 1 and 2. The 2010 Census population counts are for Adults living in households.

The telephone usage group population estimates for adults in Los Angeles County were constructed from the model-based estimates for Los Angeles County released by the National Center for Health Statistics (2011a<sup>16</sup>). The NCHS estimates are for July 2009 – June 2010. The cell phone only adult population has increased each year. We used NCHS (2011b<sup>17</sup>) estimates of the increase in cell only adults in the West Census Division to increase the percent of adults that are cell only in Los Angeles County and reduced the other three telephone service groups so that the percents summed to 100%.

TELEPHONE_SERVICE6	1	2	3, 5	4, 6
TELEPHONE_SERVICE6C	1	2	3	4

	Cell-only	Landline-Only	Dual user, cell mostly	Dual user, not cell mostly
<b>Los Angeles County</b>	21.70%	12.31%	19.24%	46.65%

The IGCV SAS raking macro (Izrael et al. 2009<sup>18</sup>) was used calculate the final weights for the combined (landline and cell phone) sample. The population control totals and weighted sample

<sup>16</sup> National Center for Health Statistics. 2011a. Wireless Substitution: State-level Estimates from the National Health Interview Survey, January 2007 – June 2010. National health statistics report, no. 39. Hyattsville, MD.

<sup>17</sup> National Center for Health Statistics. 2011a. Wireless Substitution: Early Release of Estimates from the National Health Interview Survey, January – June 2011. <http://www.cdc.gov/nchs/nhis.htm>

<sup>18</sup> Izrael D, Battaglia M, and Frankel M. SAS Raking Macro, 2009.

distributions prior to raking are shown in [Appendix VIII-D](#) (see Weighted Distribution Prior To Raking. Iteration 0). The raking macro was set to a maximum of 100 iterations and a convergence criterion of a maximum difference of 0.1 percentage points between a control total percent and the corresponding weighted sample percent.

The IGCV raking macro used weight trimming during the raking iteration to help avoid extreme weights. The raking used the four trimming parameters shown below.

IGCV weight trimming values:	
A = 4.0	/* weight will be decreased to individual weight times A */
B = 0.25	/* weight will be increased to individual weight times B */
C = 9.0	/* weight will be decreased to mean weight times C */
D = 0.11	/* weight will be increased to mean weight times D */

The raking output is shown in [Appendix VIII-D](#) (see Weighted Distribution After Raking).

The table below shows the coefficients of variation (CV) of the raking input weight and the final raking output weight (*ADULT\_POP\_WT*). The CV provides a measure of the variability of the weights. The raking to 13 population control totals variables only caused a small increase in the variability of the weights.

	CV of Raking Input Weight	CV of Raking Output Weight
<b>Los Angeles County</b>	0.823	0.969

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[http://abtassociates.com/Expertise/Surveys-and-Data-Collection/Raking-Survey-Data-\(a-k-a--Sample-Balancing\).aspx](http://abtassociates.com/Expertise/Surveys-and-Data-Collection/Raking-Survey-Data-(a-k-a--Sample-Balancing).aspx)

**2010-2011 LA CHS Adult Subsamples**

The LA CHS administered questionnaire modules to eight random subsamples of the adult sample.

Subsample ( <i>SUBSAMP</i> )	Number of Interviews
1	1,006
2	998
3	1,006
4	1,004
5	1,001
6	1,004
7	1,004
8	1,013

Population weights were developed for each of the eight subsamples:

ADULT\_POP\_WT\_SUBSAMP\_1  
 ADULT\_POP\_WT\_SUBSAMP\_2  
 ADULT\_POP\_WT\_SUBSAMP\_3  
 ADULT\_POP\_WT\_SUBSAMP\_4  
 ADULT\_POP\_WT\_SUBSAMP\_5  
 ADULT\_POP\_WT\_SUBSAMP\_6  
 ADULT\_POP\_WT\_SUBSAMP\_7  
 ADULT\_POP\_WT\_SUBSAMP\_8

Sample weights were also developed for each of the eight subsamples:

ADULT\_SAMP\_WT\_SUBSAMP\_1  
 ADULT\_SAMP\_WT\_SUBSAMP\_2  
 ADULT\_SAMP\_WT\_SUBSAMP\_3  
 ADULT\_SAMP\_WT\_SUBSAMP\_4  
 ADULT\_SAMP\_WT\_SUBSAMP\_5  
 ADULT\_SAMP\_WT\_SUBSAMP\_6  
 ADULT\_SAMP\_WT\_SUBSAMP\_7  
 ADULT\_SAMP\_WT\_SUBSAMP\_8

Each adult in a subsample already has a *COMPOSITE\_WT* calculated from the Adult sample weighting. This weight was used as the raking input weight for each subsample after rescaling it to the total population size of adults in Los Angeles County.

A key aspect of the raking of each sample was a determination of the collapsing of small sample size categories. We attempted to follow the rule for the full adult sample of having a minimum cell size of 20 interviews. We implemented the cell collapsing by first examining the sample

sizes by subsample for each raking variable (see [Appendix VIII-E](#)). We felt that using one set of cell collapsing rules for all eight subsamples would allow for the consistent weighting of each subsample. [Appendix VIII-F](#) shows the collapsed categories used in all of the eight subsamples. For gender by age group within SPA we decided to split age into two categories: 18-49 and 50 to 65+.

The IGCV SAS raking macro (Izrael et al. 2009) was used calculate the final weights for each of the eight subsamples. The population control totals and weighted distributions prior to raking for the first subsample are shown in [Appendix VIII-G](#) (see Weighted Distribution Prior To Raking, Iteration 0). The raking macro was set to a maximum of 100 iterations and a convergence criterion of a maximum difference of 0.1 percentage points between a control total percent and the corresponding weighted sample percent.

The IGCV raking macro used weight trimming during the raking iteration to help avoid extreme weights. The raking used the four trimming parameters shown below.

IGCV weight trimming values:	
A = 5.0	/* weight will be decreased to individual weight times A */
B = 0.20	/* weight will be increased to individual weight times B */
C = 10.0	/* weight will be decreased to mean weight times C */
D = 0.10	/* weight will be increased to mean weight times D */

The raking output for the first subsample is shown in [Appendix VIII-G](#) (see Weighted Distribution After Raking). The raking results for the other seven subsamples are very similar to the first subsample raking.

### Child Survey Weights

The weighting methodology for the combined Child sample involved two main steps:

- 1) calculation of the composite weight, and
- 2) calculation of final weight based on raking to population control totals.

The development of the composite weight involved calculating a base sampling weight equal to the reciprocal of the selection probability of the sample telephone number (i.e., total telephone numbers in the sampling frame divided by telephone numbers released). The base sampling weight was adjusted for the random sampling of a child from each household; the number of adult cell phone telephone numbers associated with the household, and reported interruptions in landline telephone service to adjust for the exclusion of nontelephone households. The final aspect of the composite weights calculation involved combining dual user (landline and cell phone service) households from the landline and cell phone samples.

Population control totals come from the 2010 Census and the 2006-2010 American Community Survey data for Los Angeles County. The raking weighting methodology included:

**County level controls for:**

- number of adults in the household
- number of children in the household
- race/ethnicity of the child
- age by gender of the child
- nativity of the child
- Health District
- type of telephone service

**Controls within each SPA for:**

- race/ethnicity of the child
- gender by age of the child

The final raked weight for use in estimation is *CHILD\_POP\_WT*. The final weight for the 6,013 completed child interviews sums to 2,394,183 children residing in households in Los Angeles County. This population total comes from the 2010 Census. The *CHILD\_SAMP\_WT* was scaled to the sample size of 6,013 child interviews.

Note: SAS weighting variables are shown in italics (e.g., *CHILD\_POP\_WT*).

**Composite Weight**

**Base Sampling Weight**

The sample design contains a cell phone sample (*FPROJ* = 4851c), and two landline samples (*FPROJ* = 4851l and 4851s) that were divided into three exchange-defined strata. The base sampling weight (*CHILD\_BSW*) for the cell phone sample equals the population count of cell phone telephone numbers divided by the sample size of cell phone numbers released for interviewer dialing. For each landline stratum in the 4851l [Adult landline] sample, the base sampling weight equals the population count of landline telephone numbers in the stratum divided by the sample size of telephone numbers released for that stratum. For each landline stratum in the 4851s [Child supplemental landline] sample, the base sampling weight equals the population count of landline telephone numbers in the stratum divided by the sample size of telephone numbers released for that stratum. Because these two landline samples were drawn from the same population, the base sampling weights were divided by two.

The supplemental landline sample for the Child Survey was managed as three strata: a county-wide cross-section, a post-stratum of exchanges targeted to oversample SPA 1, and a post stratum of exchanges targeted to oversample SPA 5. The set of exchanges included in the SPA 1

and SPA 5 oversamples did not overlap, so it was possible to assign each exchange sampled to one of three categories: SPA 1 exchanges, SPA 5 exchanges, and all other exchanges. Even though the Adult Survey landline sample was managed as two strata, the same three strata can be created based on exchange to calculate the initial probability of selection for cases that also completed the Child Survey and combine them with cases completed from the Child supplemental landline sample.

**Table 11. Child Survey Base Sampling Weights**

FPROJ	NOSTRATA (non-overlapping strata)		Total Sample Size of Telephone Numbers	Population Count of Telephone Numbers	CHILD_BSW
4851c		Cell phone sample	21,000	13,223,600	629.70
4851l	1	All other landline exchanges	87,708	7,266,700	41.43
4851l	2	SPA 1 landline exchanges	4,453	173,300	19.46
4851l	3	SPA 5 landline exchanges	8,843	726,800	41.09
4851s	1	All other landline exchanges	113,382	7,266,700	32.05
4851s	2	SPA 1 landline exchanges	6,704	173,300	12.93
4851s	3	SPA 5 landline exchanges	23,954	726,800	15.17

One Child was randomly sampled from each sample household. Therefore,  $CHILD\_BSW\_NUM = CHILD\_BSW \times TOTCHILD\_R$ , where  $TOTCHILD\_R$  equals  $TOTCHILD$  (reported number of Children at the point of respondent selection) with the maximum number of Children in the household capped at 4.

Before adjusting the base sampling weights for the number of working cell phone used by adults in the household and for households experiencing an interruption in telephone service, it was necessary to create variables related to interruption in telephone service and type of telephone service in the household. These variables are documented in [Appendix VIII-H](#) and [Appendix VIII-I](#).

Next, all households reporting an interruption in landline telephone service had their base sampling weights multiplied by 2.5 to account for nontelephone households in Los Angeles County (Srinath et al. 2009<sup>19</sup>):

If  $C77\_R$  equals 1,  $CHILD\_BSW\_INT = CHILD\_BSW\_NUM \times 2.5$ .

If  $CTT\_R$  does not equal 1,  $CHILD\_BSW\_INT = CHILD\_BSW\_NUM$ .



As discussed above, the Child sample involved determining whether the household contained one or more age-eligible Children. This means that a child living in a cell phone-only household containing three Adult working cell phones had a higher probability of selection than a Child living in a cell phone-only household with one Adult working cell phone. Furthermore, for dual user households (landline and cell phone service) a Child in a household with a landline phone and three Adult working cell phones had a higher probability of selection than a Child living in a dual user household with a landline phone and one Adult working cell phone. To adjust for the unequal probabilities of selection we divided by the base sampling weight by the number of Adult cell phone in the household with the maximum value capped at four:

If *TELEPHONE\_SERVICE\_CHILD* = 1 or 3,  $CHILD\_BSW\_NUMCELL = CHILD\_BSW\_INT / C78B\_R$ .  
 If *TELEPHONE\_SERVICE\_CHILD* = 2,  $CHILD\_BSW\_NUMCELL = CHILD\_BSW\_INT$ .

### Compositing Factors

The cell phone and landline samples cannot be simply combined because there is an overlap component that would be over-represented – dual users from the cell phone sample and dual users from the landline sample. Compositing factors allow the overlap components to be combined. Furthermore, we separated the dual users from each sample into cell mostly and not cell mostly groups. We calculated separate compositing factors ( $\lambda$ ) for the cell mostly and not cell mostly groups. For each group the two compositing factors sum to 1.0 (i.e.,  $\lambda + (1 - \lambda) = 1.0$ ).

For each of the four dual user categories (*TELEPHONE\_SERVICE6\_CHILD* = 3, 4, 5, and 6) we calculated the coefficient of variation (CV) of *CHILD\_BSW\_NUMCELL*. The CV (*CV\_CHILD\_BSW\_NUMCELL*) was then used to calculate the design effect (*DEFF\_CHILD\_BSW\_NUMCELL*) due to unequal weighting:

$$Deff = 1 + CV^2.$$

The effective sample size (*N\_EFFECTIVE\_CHILD*) for each of the above four categories was calculated by dividing the unweighted count of interviews in a category by the design effect for that category.

For the cell mostly overlap sample the compositing factors equal:

Category 3  $COMPOSITING\_FACTOR\_CHILD = N\_EFFECTIVE\_CHILD / N\_TOT\_CHILD\_35$ .

Category 5  $COMPOSITING\_FACTOR\_CHILD = N\_EFFECTIVE\_CHILD / N\_TOT\_CHILD\_35$ .

$N\_TOT\_CHILD\_35$  equals the sum of the effective sample sizes for categories 3 and 5.

For the not cell mostly overlap sample the compositing factors equal:

Category 4  $COMPOSITING\_FACTOR\_CHILD = N\_EFFECTIVE\_CHILD / N\_TOT\_CHILD\_46$ .

Category 6  $COMPOSITING\_FACTOR\_CHILD = N\_EFFECTIVE\_CHILD / N\_TOT\_CHILD\_46$ .

$N\_TOT\_CHILD\_46$  equals the sum of the effective sample sizes for categories 4 and 6. The compositing factors are shown below.

TELEPHONE_SERVICE6C_CHILD	Number of Interviews	COMPOSITING_FACTOR_CHILD
3 (Cell mostly, dual user, landline sample)	1,399	0.949
4 (Not cell mostly, dual user, landline sample)	3,157	0.974
5 (Cell mostly, dual user, cell sample)	80	0.051
6 (Not cell mostly, dual user, cell sample)	71	0.026

For *TELEPHONE\_SERVICE6\_CHILD* categories 3, 4, 5, and 6:

$COMPOSITE\_WT\_CHILD = CHILD\_BSW\_NUMCELL \times COMPOSITING\_FACTOR\_CHILD$ .

For *TELEPHONE\_SERVICE6\_CHILD* categories 1 and 2,  
 $COMPOSITE\_WT\_CHILD = CHILD\_BSW\_NUMCELL$ .

The composite weights were ratio-adjusted so that they summed to the population count of Children living in households in Los Angeles County according to the 2010 Census.

## Raking To Population Control Totals

### Imputation for Item Nonresponse

Raking population control totals are typically not subject to missing data, however the corresponding survey variables may have missing values due to item nonresponse. The SUDAAN weighted sequential hot deck procedure was therefore used to impute missing values for weighting variables before continuing the weight calculations. The following weighting variables were imputed:

- *CHOUDEPT\_R* (Number of children in the household, as verified/updated during the interview)
- *CHOUADULT\_R* (Number of adults in the household, as verified/updated during the interview)
- *CRACE\_R* (Race/ethnicity)
- *C65\_R* (Nativity)

The hot deck imputation cells were defined using *GEO\_SPA* by *CAGEGROUP* (0-5, 6-11, 12-17 years). The weighted sequential hot deck weight variable is *COMPOSITE\_WT\_CHILD*. The imputed variables are identified with an "I\_" in the interview data set.

### Creation of 9 Raking Variables In the Interview File

As discussed below we used raking to population control totals to create the final Child weight. An initial step in this process involved creating the raking variables in the interview data set.

*TELEPHONE\_SERVICE6C\_CHILD* was created from *TELEPHONE\_SERVICE6\_CHILD*

- |   |   |   |
|---|---|---|
| • 1 Cell-only                                   |   | 1 |
| • 2 Landline-only                               | 2 |   |
| • 3 Cell mostly, dual user, landline sample     | 3 |   |
| • 4 Not cell mostly, dual user, landline sample |   | 4 |
| • 5 Cell mostly, dual user, cell sample         | 3 |   |
| • 6 Not cell mostly, dual user, cell sample     | 4 |   |

NOTE: As discussed below we collapsed the cell-only category with the dual user – cell mostly category.

*GEO\_HDR\_R*

- Renumber *GEO\_HD* from 1 to 26 because the control totals are numbered that way.

*GEO\_SPA\_I\_CRACE\_R2*

- *GEO\_SPA* has 8 categories and *I\_CRACE\_R2* defined below has 4 categories (8 x 4 = 32 cells).

*GEO\_SPA\_GENDER\_CAGEGROUP*

- *GEO\_SPA* has 8 categories and *GENDER\_CAGEGROUP* defined below has 24 categories (8 x 3 = 24 cells).

*I\_CHOUDEPT\_R2*

- 1
- 2
- 3
- 4+

*I\_CHOUADULT\_R2*

- 1
- 2
- 3
- 4+

*I\_C65\_R2*

- 1, 2            1 *Born in US*
- 3                2 *Born Outside US*

*I\_CRACE\_R2*

- 1                1 *Latino*
- 2, 5, 8        2 *White, American Indian, American Indian and White nonHispanic*
- 3                3 *Black nonHispanic*
- 4                4 *Asian nonHispanic*

NOTE: American Indian and the American Indian and white multi-racial category were combined with white for the raking due to small sample sizes, and the structure of the population control totals obtained from the 2010 Census which did not include population counts for the American Indian and White multi-racial category.

*GENDER\_CAGEGROUP*

C3 (2 categories) by *CAGEGROUP* (3 categories) = 6 cells

C3	CAGEGROUP	
• 1	1	0 - 5 male
• 1	2	6 - 11 male
• 1	3	12 - 17 male
• 2	1	0 - 5 female
• 2	2	6 - 11 female
• 2	3	12 - 17 female

## **Raking Implementation**

The *COMPOSITE\_WT* was raked to population control totals for 9 margins:

- 14) Telephone service group (*TELEPHONE\_SERVICE6C\_CHILD\_R*),
- 15) SPA by Race/ethnicity (*GEO\_SPA\_I\_CRACE\_R2*),
- 16) SPA by gender by age (*GEO\_SPA\_GENDER\_CAGEGROUP*),
- 17) Health District (*GEO\_HD\_R*),
- 18) Number of children in the household (*I\_CHOUDEPT\_R2*),
- 19) Number of adults in the household (*I\_CHOUADULT\_R2*),
- 20) Nativity (*I\_C65\_R2*),
- 21) Race/ethnicity (*I\_CRACE\_R2*), and
- 22) Gender by age (*GENDER\_CAGEGROUP*).

The telephone service variable (*TELEPHONE\_SERVICE6C\_CHILD\_R*) used in the raking consists of three categories:

- 1) cell-only and dual user – cell mostly,
- 2) landline-only, and
- 3) dual user – not cell mostly.

There are 117 cell-only Child interviews which account for 1.9% of the total Child interviews. As indicated below, around 22% of Children in Los Angeles County live in cell-only households. This is roughly a 12:1 ratio and therefore to ensure that the raking converged we collapsed the cell-only category with the dual user – cell mostly category.

It was necessary to do some collapsing of small sample size categories for the other raking variables to help avoid extreme weights. A minimum category sample size of 20 was used. [Appendix VIII-J](#) shows each raking variable and the categories that were collapsed.

The population control totals for number of adults in the household, number of children in the household, tenure status, and nativity were obtained from the 2006-2010 American Community Survey PUMS. These control totals are for children living in households in Los Angeles County. The population control totals for Health District, race/ethnicity, gender by age, SPA by race/ethnicity, and SPA by gender by age were obtained from 2010 Census Summary Files 1 and 2. The 2010 Census population counts are for children living in households.

The telephone usage group population estimates for children in Los Angeles County were constructed from the model-based estimates for Los Angeles County released by the National Center for Health Statistics (2011a)<sup>16</sup>. The NCHS estimates are for July 2009 – June 2010. The cell phone only Child population has increased each year. We used NCHS (2011b)<sup>17</sup> estimates of the increase in cell only Children in the West Census Division to increase the percent of Children that are cell only in Los Angeles County and reduced the other three telephone service groups so that the percents summed to 100%.

TELEPHONE_SERVICE6_CHILD	1	2	3, 5	4, 6
<b>TELEPHONE_SERVICE6C_CHILD</b>	1	2	3	4

	Cell-only	Landline-Only	Dual user, cell mostly	Dual user, not cell mostly
<b>Los Angeles County</b>	22.26%	11.64%	20.21%	45.90%

The IGCV SAS raking macro (Izrael et al. 2009<sup>18</sup>) was used calculate the final weights for the combined (landline and cell phone) sample. The population control totals and weighted sample distributions prior to raking are shown in [Appendix VIII-K](#) (see Weighted Distribution Prior To Raking. Iteration 0). The raking macro was set to a maximum of 100 iterations and a convergence criterion of a maximum difference of 0.1 percentage points between a control total percent and the corresponding weighted sample percent.

The IGCV raking macro used weight trimming during the raking iteration to help avoid extreme weights. The raking used the four trimming parameters shown below.

IGCV weight trimming values:	
A = 5.0	/* weight will be decreased to individual weight times A */
B = 0.20	/* weight will be increased to individual weight times B */
C = 10.0	/* weight will be decreased to mean weight times C */
D = 0.10	/* weight will be increased to mean weight times D */

The raking output is shown in [Appendix VIII-K](#) (see Weighted Distribution After Raking).

### **Adult Household Weights**

The weighting methodology for the combined adult sample involved two main steps:

- 1) Conversion of the final adult population weight to an initial household weight, and
- 2) Calculation of final household weight based on raking to household control totals for Los Angeles County.

The development of the initial household weight involved dividing the final adult population weight by the number of adults in the household at the point of respondent selection. Because cell phone-only and dual user (landline and cell phone service) households with multiple adult cell phones had a greater chance of being sampled than a cell-only or dual user household with one adult cell phone, we divided the initial household weight for those households by the number of adult cell phones in the household. Details of the calculation of the adult population weights are outlined in the [Adult Weights](#) section.

The household control totals come from the 2010 Census and the 2006-2010 American Community Survey data for Los Angeles County. The raking weighting methodology included:

**County level household-level controls for:**

- number of adults in the household
- number of children in the household
- tenure status
- Health District
- SPA
- type of telephone service

The final raked weight for use in estimation is *HH\_POP\_WT*. The final weight for the 8,036 completed interviews sums to 3,241,204 households in Los Angeles County. This household total comes from the 2010 Census. The *HH\_SAMP\_WT* was scaled to the sample size of 8,036 interviews.

Note: SAS weighting variables are shown in italics (e.g., *HH\_POP\_WT*).

**Initial Household Weight**

The calculation of the final adult population weight (*ADULT\_POP\_WT*) involved extensive poststratification to population control totals to adjust for differential nonresponse:

**County level controls for:**

- marital status
- education
- number of adults in the household
- number of children in the household
- race/ethnicity
- age by gender
- nativity
- citizenship status
- tenure status
- Health District
- type of telephone service

**Controls within each SPA for:**

- race/ethnicity
- gender by age

The adult questionnaire contains a limited set of household level variables that can be used in poststratification. To maintain the Adult sample adjustment for differential nonresponse in the

final household weights we divided ADULT\_POP\_WT of the landline sample adults by the number of Adults in the household at the point of adult respondent selection ( $S3\_R$ ). Dividing an Adult population weight by the number of adults in the household yields an initial household weight ( $HH\_WT\_1$ ) because we are removing the within-household stage in the sample design. This step was not necessary for the cell phone sample because the cell phone was treated as a personal communication device.

A cell phone-only household containing two or more adult working cell phones had a higher probability of selection than a cell phone-only household with one Adult working cell phone. Furthermore, for dual user households (landline and cell phone service) a household with a landline phone and multiple adult working cell phones had a higher probability of selection than a dual user household with a landline phone and one Adult working cell phone. To adjust for the unequal probabilities of selection we divided  $HH\_WT\_1$  by the number of adult cell phone in the household ( $Q71B\_R2$ ) with the maximum value capped at four:

If  $TELEPHONE\_SERVICE = 1$  or  $3$ ,  $HH\_WT\_2 = HH\_WT\_1 / Q71B\_R2$ .

This adjustment was not needed for landline only households ( $TELEPHONE\_SERVICE = 2$ ).

### **Raking To Population Control Totals**

The initial household weight ( $HH\_WT\_2$ ) was raked to population control totals for six margins:

- 1) Telephone service group ( $TELEPHONE\_SERVICE6C\_HH$ ),
- 2) Number of adults in the household ( $I\_HOUADULT\_R2\_HH$ ),
- 3) Number of children in the household ( $I\_HOUDEPT\_R2\_HH$ ),
- 4) Tenure status ( $I\_Q79\_R2\_HH$ ),
- 5) Health District ( $GEO\_HD\_R\_HH$ ), and
- 6) SPA ( $GEO\_SPA\_HH$ ).

The control totals for the number of households for number of adults in the household, number of children in the household, and tenure status were obtained from the 2006-2010 American Community Survey PUMS. These control totals are for households in Los Angeles County. The control totals for households by Health District and SPA were obtained from 2010 Census Summary Files 1 and 2. No category collapsing due to cell samples sizes less than 20 interviews was required.

The National Center for Health Statistics does not publish telephone usage estimates for households in Los Angeles County. The telephone usage group household estimates for Los Angeles County therefore relied on the estimates for adults shown below. These estimates should be close to the estimates for households since at the national level the latest cell phone only estimates are 31.6% for households and 30.2% for adults (National Center for Health Statistics 2011<sup>16</sup>).



TELEPHONE_SERVICE6C	1	2	3	4
	Cell-only	Landline- Only	Dual user, cell mostly	Dual user, not cell mostly
<b>Los Angeles County</b>	21.70%	12.31%	19.24%	46.65%

The IGCV SAS raking macro (Izrael et al. 2009<sup>18</sup>) was used calculate the final weights for the combined (landline and cell phone) sample. The household control totals and weighted sample distributions prior to raking are shown in [Appendix VIII-L](#) (see Weighted Distribution Prior To Raking. Iteration 0). The raking macro was set to a maximum of 100 iterations and a convergence criterion of a maximum difference of 0.1 percentage points between a control total percent and the corresponding weighted sample percent.

The IGCV raking macro used weight trimming during the raking iteration to help avoid extreme weights. The raking used the four trimming parameters shown below.

IGCV weight trimming values:	
A = 4.0	/* weight will be decreased to individual weight times A */
B = 0.25	/* weight will be increased to individual weight times B */
C = 9.0	/* weight will be decreased to mean weight times C */
D = 0.11	/* weight will be increased to mean weight times D */

The raking output is shown in [Appendix VIII-L](#) (see Weighted Distribution After Raking).

### ***Household Weights for Subsamples 3, 5 and 6***

Subsamples (*SUBSAMP*) 3, 5 and 6 also included household questions and household weights were therefore calculated for these three subsamples. Each household already had an initial household weight (*HH\_WT\_2*) and this was used as the raking input weight. For each subsample the cell sample sizes were reviewed and only the Health District variable (*GEO\_HD\_R\_HH*) had cells with less than 20 interviews. The following cell collapsing was therefore implemented for this variable (*GEO\_HD\_R\_HH\_SS*) for all three subsamples:

- 5 and 6 (Compton and East LA)
- 8 and 9 (El Monte and Foothill)
- 16 and 17 (Pasadena and Pomona)
- 20 and 21 (South and Southeast)

The IGCV SAS raking macro (Izrael et al. 2009<sup>18</sup>) was used calculate the final weights for the combined (landline and cell phone) sample. The household control totals and weighted sample distributions prior to raking are shown in [Appendix VIII-M](#), [Appendix VIII-N](#), and [Appendix VIII-O](#), respectively (see Weighted Distribution Prior To Raking. Iteration 0). The raking macro was set to a maximum of 100 iterations and a convergence criterion of a maximum difference of 0.1 percentage points between a control total percent and the corresponding weighted sample percent.

The IGCV raking macro used weight trimming during the raking iteration to help avoid extreme weights. The raking used the four trimming parameters shown below.

IGCV weight trimming values:	
A = 5.0	/* weight will be decreased to individual weight times A */
B = 0.20	/* weight will be increased to individual weight times B */
C = 10.0	/* weight will be decreased to mean weight times C */
D = 0.10	/* weight will be increased to mean weight times D */

The raking output is shown in [Appendix VIII-M](#), [Appendix VIII-N](#), and [Appendix VIII-O](#), respectively (see Weighted Distribution After Raking).

The household population weights are *HH\_POP\_WT\_SUBSAMP3*, *HH\_POP\_WT\_SUBSAMP5* and *HH\_POP\_WT\_SUBSAMP6*, respectively. The household sample weights are *HH\_SAMP\_WT\_SUBSAMP3*, *HH\_SAMP\_WT\_SUBSAMP5* and *HH\_SAMP\_WT\_SUBSAMP6*, respectively.

### Child Household Weights

The weighting methodology for the combined child sample involved two main steps:

- 1) Conversion of the final child population weight to an initial household weight, and
- 2) Calculation of final household weight based on raking to household control totals for Los Angeles County.

The development of the initial household weight involved dividing the final child population weight by the number of children in the household at the point of the random selection of the child from the household. Details of the calculation of the child population weights can be found in the June 7 memorandum.

The household control totals come from the 2010 Census and the 2006-2010 American Community Survey data for Los Angeles County. The household raking weighting methodology included:

#### **County level household-level controls for:**

- number of adults in the household
- number of children in the household
- Health District
- SPA
- type of telephone service

The final raked weight for use in estimation is *CHILD\_HH\_POP\_WT*. The final weight for the 6,013 completed interviews sums to 1,220,021 households with children in Los Angeles County. This household total comes from the 2010 Census. The *CHILD\_HH\_SAMP\_WT* was scaled to the sample size of 6,013 interviews.

Note: SAS weighting variables are shown in italics (e.g., *CHILD\_HH\_POP\_WT*).

### **Initial Household Weight**

The calculation of the final child population weight (*CHILD\_POP\_WT*) involved fairly extensive poststratification to population control totals to adjust for differential nonresponse:

#### **County level controls for:**

- number of adults in the household
- number of children in the household
- race/ethnicity of child
- gender by age of child
- nativity of child
- Health District
- type of telephone service

#### **Controls within each SPA for:**

- race/ethnicity of child
- gender by age of child

The Child questionnaire contains a limited number of household level variables that can be used in poststratification. To maintain the Child sample adjustment for differential nonresponse in the final household weights we divided *CHILD\_POP\_WT* by the number of children in the household at the point of random selection of the child from the household (*TOTCHILD\_R*). Dividing a child population weight by the number of children in the household yields an initial household weight (*CHILD\_HH\_WT\_1*) because we are removing the within-household stage of the sample design. Cell-only and dual user (landline and cell phone service) child households with multiple adult cell phones had a higher probability of selection than cell-only and dual user child households with one adult cell phone. However, this adjustment was already incorporated into the child population weight calculations so it was not necessary to implement it for the household weights.

### Raking To Population Control Totals

The initial household weight (*CHILD\_HH\_WT\_1*) was raked to population control totals for five margins:

- 1) Telephone service group (*TELEPHONE\_SERVICE6C\_CHILD\_R\_HH*),
- 2) Number of children in the household (*I\_CHOUDEPT\_R2\_HH*),
- 3) Number of adults in the household (*I\_CHOUADULT\_R2\_HH*),
- 4) Health District (*GEO\_HD\_R\_CHILD\_HH*), and
- 5) SPA (*GEO\_SPA\_CHILD\_HH*).

The control totals for the number of households for number of children in the household, and number of adults in the household were obtained from the 2006-2010 American Community Survey PUMS. These control totals are for households with one or more children in Los Angeles County. The control totals for households with children by Health District and SPA were obtained from 2010 Census Summary Files 1 and 2.

The telephone service variable (*TELEPHONE\_SERVICE6C\_CHILD\_R\_HH*) used in the raking consists of three categories:

- 1) cell-only and dual user – cell mostly,
- 2) landline-only, and
- 3) dual user – not cell mostly.

There are 117 cell-only child interviews which account for 1.9% of the total child interviews. As indicated below, around 22% of children in Los Angeles County live in cell-only households. This is roughly a 12:1 ratio and therefore to ensure that the raking converged we collapsed the cell-only category with the dual user – cell mostly category. For the other raking variables a minimum category sample size of 20 was used. No category collapsing due to cell samples sizes less than 20 interviews was required.

The National Center for Health Statistics does not publish telephone usage estimates for households with children in Los Angeles County. The telephone usage group household estimates for Los Angeles County therefore relied on the estimates for children shown below.

	Cell-only	Landline-Only	Dual user, cell mostly	Dual user, not cell mostly
<b>Los Angeles County</b>	22.26%	11.64%	20.21%	45.90%

The IGCV SAS raking macro (Izrael et al. 2009<sup>18</sup>) was used calculate the final weights for the combined (landline and cell phone) sample. The household control totals and weighted sample distributions prior to raking are shown in [Appendix VIII-P](#) (see Weighted Distribution Prior To Raking. Iteration 0). The raking macro was set to a maximum of 100 iterations and a convergence criterion of a maximum difference of 0.1 percentage points between a control total percent and the corresponding weighted sample percent.

The IGCV raking macro used weight trimming during the raking iteration to help avoid extreme weights. The raking used the four trimming parameters shown below.

IGCV weight trimming values:	
A = 5.0	/* weight will be decreased to individual weight times A */
B = 0.20	/* weight will be increased to individual weight times B */
C = 10.0	/* weight will be decreased to mean weight times C */
D = 0.10	/* weight will be increased to mean weight times D */

The raking output is shown in [Appendix VIII-P](#) (see Weighted Distribution After Raking).

### **First 5 LA Best Start Community Weights**

There are 14 non-contiguous First 5 LA Best Start Communities (BSC) within LA County, defined by a total of 385 census tracts. First 5 LA has programs and initiatives targeting children up to age 5 in the Best Start Communities. A total of 405 interviews were conducted in these Best Start Communities about children in this target age range of 0 to 5. These interviews were a subset of all Child Survey interviews conducted; households in the Best Start Communities were not oversampled in any way.

The BSC target population is children age 0-5 years in the 14 BSC communities in Los Angeles County defined by a total of 385 Census tracts. For the population of children age 0-5 years living in households, the 2010 Census provides the count of children by gender, race/ethnicity, and BSC community (defined by Census tracts). The 2006-2010 ACS Public Use Microdata Sample (PUMS) does not include Census tract identifiers and therefore additional control totals cannot be obtained from the ACS PUMS. We examined the 2006-2010 ACS published tables on Census.gov and no additional population control total tables are available for children age 0-5 years in the 14 BSC communities. Also, the National Center for Health Statistics does not have estimates for the percent of children age 0-5 years in the BSC communities residing in cell phone-only households. Thus, no control totals are available for the BSC communities beyond what is available in the 2010 Census. The LACHS Child Survey (see June 7 memorandum for details) was however weighted using control totals for:

#### **County level controls for:**

- number of adults in the household
- number of children in the household
- race/ethnicity of the child
- age by gender of the child
- nativity of the child
- Health District
- type of telephone service

**Controls within each SPA for:**

- race/ethnicity of the child
- gender by age of the child

We therefore used the final LACHS child population weight as the input weight into the raking that we conducted for the BSC Child population. This approach carries the extensive LACHS Child Survey poststratification to population control totals forward into the weighting of the subset of 405 children age 0-5 years in the BSC Communities.

The final raked weight for use in estimation is *CHILD\_BSC\_POP\_WT*. The final weight for the 405 completed Child interviews sums to 169,007 children age 0-5 years residing in households in the 14 BSC communities in Los Angeles County. This population total comes from the 2010 Census. The *CHILD\_BSC\_SAMP\_WT* was scaled to the sample size of 405 Child interviews.

Note: SAS weighting variables are shown in italics (e.g., *CHILD\_BSC\_POP\_WT*).

**Raking To Population Control Totals**

The *CHILD\_POP\_WT* was raked to population control totals for three margins:

- 1) Gender (*GENDER*),
- 2) Race/ethnicity (*I\_CRACE\_R2*), and
- 3) BSC community (*BSCOMM*).

NOTE: American Indian and the American Indian and white multi-racial category were combined with white for the raking due to small sample sizes, and the structure of the population control totals obtained from the 2010 Census which did not include population counts for the American Indian and White multi-racial category.

It was necessary to do some collapsing of small sample size categories to help avoid extreme weights. A minimum category sample size of 20 was used. The following category collapsing was applied to the BSC community variable (*BSCOMM\_R*) to combine geographically adjacent communities:

- Broadway/Manchester, Watts/Willowbrook, and West Athens
- Central Long Beach and Wilmington

The population control totals for the three raking variables were obtained from 2010 Census Summary Files 1 and 2. The 2010 Census population counts are for children living in households.

The IGCV SAS raking macro (Izrael et al. 2009<sup>18</sup>) was used calculate the final weights for the combined (landline and cell phone) sample. The population control totals and weighted sample distributions prior to raking are shown in [Appendix VIII-Q](#) (see Weighted Distribution Prior To Raking. Iteration 0). The raking macro was set to a maximum of 100 iterations and a convergence criterion of a maximum difference of 0.1 percentage points between a control total percent and the corresponding weighted sample percent.

The IGCV raking macro used weight trimming during the raking iteration to help avoid extreme weights. The raking used the four trimming parameters shown below.

IGCV weight trimming values:	
A = 3.0	/* weight will be decreased to individual weight times A */
B = 0.33	/* weight will be increased to individual weight times B */
C = 8.0	/* weight will be decreased to mean weight times C */
D = 0.125	/* weight will be increased to mean weight times D */

The raking output is shown in [Appendix VIII-Q](#) (see Weighted Distribution After Raking).



## IX. Appendices

### Appendix II-A: Wireless Sample Methodology



#### SSI Wireless Sample Methodology

There are no sources for listed or assigned cell phone numbers. Therefore Survey Sampling's Wireless frame is not a list-assisted frame. Without directory-listed information, there is no way to truncate the frame to 'active' prefixes and 100-blocks to improve efficiency.

##### A. FRAME CONSTRUCTION

SSI starts with the most recent monthly Telcordia TPM (Terminating Point Master) Data file. This is Telcordia's master file of NPA-NXX and Block-ID records for the North American Number Plan. It contains at least one record per NPA-NXX. For prefixes (NPA-NXX's) where 1000-block number pooling is in effect, this file also provides information for individual 1000-blocks. This allows users to identify those 1000-blocks that have either not been assigned for service or that have been allocated to different service providers.

##### 1. Selection of wireless prefixes and blocks:

From this file we select all records (NPA-NXXs and/or 1000-blocks) where the

##### NXXTYPE is:

04	Dedicated to Cellular
55,60	Special/Selective Billing Option – Cellular
65	Miscellaneous Service (non-500 PCS)
67,68	Special/Selective Billing Options – PCS
58,63	Special/Selective Billing Options - Cell, paging, mobile
50	Shared 3 or more POTS, Cellular, Paging, etc.
54	Shared POTS and Cellular
66	Shared POTS and PCS (non-500)

##### and

Dialable Indicator is 1 (yes, dialable by subscriber)  
Point ID is 48 non-protected, Alaska and Hawaii  
Change Code is not Z (deleted but preserved for billing) or D (Deleted)

- New exchanges/1000-blocks are included in the frame. Analysis suggests that almost 80% of these

records have an activation date on or before the release date associated with the release date of the TPM file.

- Dedicated US Mobile (IMTS) and Paging services will not be included. However numbers belonging to paging or IMTS services may be encountered in 'mixed' or 'shared' blocks selected above.

##### 2. File expansion:

Exchange records for which there were no 1000-block records are expanded to ten (10) 1000-block records. This file is then further expanded to a file of 100-blocks, 10 100-block records per 1000-block containing the same information as the 1000-block record.

"Mixed" or "shared" 100-blocks (NXXTYPES 50, 54, 66) are then compared to Survey Sampling's list-assisted RDD database. 100-blocks with no listed numbers are retained in the wireless frame and 100-blocks containing listed numbers on the RDD frame are removed. The result is a frame of 100-blocks that is mutually exclusive of our list-assisted RDD frame while allowing coverage in prefixes and 1000-blocks that potentially provide both wireline and wireless service.

##### 3. Telcordia Information:

- OCN (Operating Company Number) for the 1000-block is retained on each record.
- The Carrier Name has been attached to each record based on a Telcordia table of OCN codes and names. Carrier Names and codes (OCN) frequently do not reflect mergers and acquisitions. These acquisitions may be national in scope or state specific. For example, Southwestern Bell Wireless and parts of Pacific Bell Wireless were bought by Cingular but still reflect the original carrier name and OCN. Carrier Names and codes are frequently different by state, particularly for large Wireless companies offering national or almost national service. These companies also frequently distinguish (different corporate entities) between their wireline, cellular and paging divisions. Therefore a unique OCN will

*continued on next page*

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not always represent a unique carrier and visa versa. The carrier identification is for the 1000-block and will be inaccurate for subscribers who have ported their cell phone number to a different cellular provider.

- Exchange Type (NXXTYPE).
- Billing Center (Exchange Place Name) associated with the prefix.
- Billing State for Billing Center of the prefix or exchange.
- Change Code (see appendix A). As described above most New "N" prefixes are likely to be populated at the time a sample is selected. However, clients may optionally exclude 100-blocks with a Change Code of "N" in the interests of improved efficiency or receive the Change Code in the keyline of the sample for informational/analytical purposes.

4. SSI Information:

- FIPS state and county codes are appended to each 100-block based on the billing coordinates of the prefix. Since wireless exchange boundaries are significantly larger than most wireline exchanges, many counties will not be represented in this file or may under-represented.
- Additional FIPS based geography codes (Census Region, MSA, etc.) may be added to sample records based on this FIPS code.
- Alpha Time Zone
- State Abbreviation (based on FIPS Code and may be different from Billing State).
- Shared Flag easily identifies 100-blocks that have NXXTYPE = 50, 54 or 66. Clients may optionally include or exclude 100-blocks with a Shared Flag of "Y" or receive the Shared Flag in the keyline of their sample for informational or analytic purposes.

- o "Y" = Block is in a 'shared' prefix/1000-block
- o "N" = Block is not in a 'shared' prefix/1000 block

B. SAMPLE SELECTION

The file of 100-blocks is sorted by FIPS code, Carrier name and 100-block. The intent is to provide a stratification that will yield a sample that is representative both geographically and by large and small carrier. A sampling interval is determined by dividing the universe of eligible 100-blocks by the desired sample size. From a random start within the first sampling interval, a systematic nth selection of 100-blocks is performed and a 2-digit random number between 00 and 99 is appended to each selected

100-block stem.

Replication is available as Number of Replicates or Size of Replicate.

De-duplication against prior samples is available. Duplicates can be detected and substituted for during the random number generation process (non-probability method) or may be removed after the sample has been selected (epsem method). In the latter instance, the sample delivered may be short.

Screening for disconnects is not available for wireless sample since it would violate TCPA rules prohibiting dialing wireless numbers using "automated" telephone equipment. The sample is delivered in standard sort: Replicate, TZ, Phone number.

A variety of count reports for the sample are available. Universe information is available upon request.

Wireline numbers that have been ported to wireless service will not be included since they are on the RDD frame. However, they can be flagged and included in a landline sample.

Wireless numbers that have been ported to landline service will be included and can't be identified.

See Appendix B for file layout/keyline options.

## Appendix A

Change Code Used to indicate some aspect of the record has changed from the previous product.

- (Blank) = No Change
- 2 = Dialable Indicator
- 3 = Place Name and/or Locality Name and/or Rate Center Name and/or associated state
- 4 = Major Vertical and/or Horizontal Coordinate (note: a change to only minor V&H's will have a "4" appear in the Minor V&H file only)
- 5 = Time Zone and/or Daylight Savings Indicator
- 6 = RAO Code (Note: In the SAC file this indicates an NPA Code change)
- 7 = Operating Company Number (OCN)
- 8 = Other Line Rate Step
- 9 = Multiple Changes
- A = Awaiting Effective Date (but no data change)
  - (NXX will be activated in the future)
  - (will not appear in the "activity" file of a product)
- B = Any data change to a record in an "A" state
- C = Literal Company Name
- D = Deletion
- E = Effective Date of Change (note: an E may indicate that a data element associated with the NXX, but not a part of the given file data, has changed)
- F = Thousands Block Pooling file only (change in TBP Effective Date of Assignment)
- G = AOCN
- H = Point ID
- J = Company Type
- K = Company Code
- L = LATA and/or LATA Subzone
- M = Business Office Code (OTCNPG only)
- N = New record (was not in primary file of previous product)
- P = IDDD Indicator
- Q = Rate Center Name Abbreviation and/or Rate Center Type
- R = NXXTYPE
- T = Portability Indicator
- U = Cancellation of a Z code appearing in previous product
- V = Thousands Block Pooling Indicator
- W = Send to RAO
- Z = Deleted. Data retained for bill reconciliation needs.

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## Appendix B

### File Layout

Data Item	start	length	
Default File layout			
Replicate	1	3	
Alpha TZ	4	1	
Area code	5	3	
Exchange	8	3	
Phone number	11	4	
State abbreviation	15	2	Based on FIPS Code
FIPS state/county code	17	5	Based on Billing coordinates
Exchange/1000-block type	22	2	See Methodology for types included
Operating Company Number	24	4	
Billing Place Name	28	10	Some wireless place names are not geographical
Billing State	38	2	
Carrier (OCN) Name	40	20	
DMA	60	3	
MSA	63	5	
CBSA	68	5	
CSA	73	3	
Census Region	76	1	
Census Division	77	1	
Nielsen County Size	78	1	
Change Code	79	1	N identifies "New" prefixes
Shared Flag	80	1	Block provides "shared" services (Y,N)

TCPA regulations require that cell phone numbers be hand dialed.

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**Appendix II-B: SPA 1 Oversample Exchanges**

SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
1	661	233	2	2	100%	2	2	0%	100%
1	661	236	6	6	100%	8	8	0%	100%
1	661	839	2	2	100%	10	10	0%	100%
1	661	902	30	30	100%	40	40	0%	100%
1	661	450	15	16	94%	55	56	0%	98%
1	661	622	27	30	90%	82	86	0%	95%
1	661	579	550	636	86%	632	722	2%	88%
1	661	540	21	25	84%	653	747	2%	87%
1	661	269	670	860	78%	1323	1607	4%	82%
1	661	225	123	170	72%	1446	1777	4%	81%
1	661	264	1014	1414	72%	2460	3191	7%	77%
1	661	575	315	445	71%	2775	3636	8%	76%
1	661	944	1513	2145	71%	4288	5781	12%	74%
1	661	538	512	739	69%	4800	6520	14%	74%
1	661	947	1558	2262	69%	6358	8782	18%	72%
1	661	273	1337	1980	68%	7695	10762	22%	72%
1	661	285	1612	2386	68%	9307	13148	26%	71%
1	661	533	1238	1821	68%	10545	14969	30%	70%
1	661	802	473	695	68%	11018	15664	31%	70%
1	661	265	536	805	67%	11554	16469	33%	70%
1	661	266	923	1372	67%	12477	17841	36%	70%
1	661	272	784	1175	67%	13261	19016	38%	70%
1	661	267	647	982	66%	13908	19998	40%	70%
1	661	274	884	1378	64%	14792	21376	42%	69%
1	661	261	45	72	63%	14837	21448	42%	69%
1	661	224	198	318	62%	15035	21766	43%	69%
1	661	270	268	432	62%	15303	22198	44%	69%
1	661	794	108	175	62%	15411	22373	44%	69%
1	661	480	504	827	61%	15915	23200	45%	69%
1	661	526	1112	1867	60%	17027	25067	48%	68%
1	661	268	303	523	58%	17330	25590	49%	68%
1	661	952	7	12	58%	17337	25602	49%	68%
1	661	206	1024	1811	57%	18361	27413	52%	67%
1	661	262	8	15	53%	18369	27428	52%	67%
1	661	942	1749	3389	52%	20118	30817	57%	65%
1	661	724	511	997	51%	20629	31814	59%	65%
1	661	946	1936	3781	51%	22565	35595	64%	63%
1	661	874	5	10	50%	22570	35605	64%	63%
1	661	943	2165	4512	48%	24735	40117	70%	62%
1	661	948	1487	3139	47%	26222	43256	75%	61%
1	661	718	801	1818	44%	27023	45074	77%	60%
1	661	945	1148	2623	44%	28171	47697	80%	59%
1	661	723	1018	2352	43%	29189	50049	83%	58%
1	661	722	1682	4022	42%	30871	54071	88%	57%
1	661	940	905	2148	42%	31776	56219	90%	57%

SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
1	661	949	903	2152	42%	32679	58371	93%	56%
1	661	727	46	113	41%	32725	58484	93%	56%
1	661	729	808	2003	40%	33533	60487	95%	55%
1	661	951	663	1643	40%	34196	62130	97%	55%
1	661	726	675	1719	39%	34871	63849	99%	55%
1	661	728	124	314	39%	34995	64163	100%	55%
1	661	349	10	33	30%	35005	64196	100%	55%
1	661	248	19	331	6%	35024	64527	100%	54%
1	661	250	12	1559	1%	35036	66086	100%	53%
1	661	251	18	2386	1%	35054	68472	100%	51%
1	661	252	22	2548	1%	35076	71020	100%	49%
1	661	298	16	1951	1%	35092	72971	100%	48%
1	661	299	10	1183	1%	35102	74154	100%	47%
1	661	309	7	745	1%	35109	74899	100%	47%
1	661	360	6	745	1%	35115	75644	100%	46%
1	661	367	7	966	1%	35122	76610	100%	46%
1	661	424	7	801	1%	35129	77411	100%	45%
1	661	256	1	2835	0%	35130	80246	100%	44%
1	661	296	1	2917	0%	35131	83163	100%	42%

Note: Shaded rows are the 42 exchanges that defined the SPA 1 oversample.

**Appendix II-C: ZIP to SPA Mapping**

<b>SPA 1</b>	<b>SPA 2</b>		<b>SPA 3</b>	<b>SPA 4</b>	<b>SPA 5</b>	<b>SPA 6</b>	<b>SPA 7</b>	<b>SPA 8</b>
<b>Antelope Valley</b>	<b>San Fernando</b>		<b>San Gabriel</b>	<b>Metro</b>	<b>West</b>	<b>South</b>	<b>East</b>	<b>South Bay</b>
93534	90290	91411	91001	90004	90024	90001	90022	90245
93535	91011	91423	91006	90005	90025	90002	90058	90247
93536	91020	91436	91007	90006	90034	90003	90063	90248
93543	91040	91501	91010	90010	90035	90007	90201	90249
93544	91042	91502	91016	90012	90045	90008	90240	90250
93550	91046	91504	91023	90013	90049	90011	90241	90254
93551	91201	91505	91024	90014	90056	90016	90040	90260
93552	91202	91506	91030	90015	90064	90018	90255	90266
93553	91203	91601	91101	90017	90066	90037	90270	90274
93563	91204	91602	91103	90019	90067	90043	90280	90275
93591	91205	91316	91104	90020	90073	90044	90242	90277
93243	91206	91321	91105	90021	90077	90047	90603	90278
93510	91207	91324	91106	90023	90094	90059	90604	90301
93523	91208	91607	91107	90026	90210	90061	90605	90302
93532	91214	91608	91108	90027	90211	90062	90606	90303
	91301	91604	91702	90028	90212	90220	90631	90304
	91302	91605	91706	90029	90230	90221	90638	90305
	91303	91606	91711	90031	90232	90222	90640	90501
	91304		91722	90032	90265	90262	90650	90502
	91306		91723	90033	90272	90723	90660	90503
	91307		91724	90036	90291		90670	90504
	91311		91731	90038	90292		90701	90505
	91325		91732	90039	90293		90703	90710
	91326		91733	90041	90401		90706	90717
	91331		91740	90042	90402		90712	90731
	91335		91741	90046	90403		90713	90732
	91340		91744	90048	90404		90715	90744
	91342		91745	90057	90405		90716	90745
	91343		91746	90065			90601	90746
	91344		91748	90068			90602	90747
	91345		91750	90069				90802
	91350		91754	90071				90803
	91351		91755					90804
	91352		91765					90805
	91354		91766					90806
	91355		91767					90807
	91356		91768					90808
	91361		91770					90810
	91362		91773					90813
	91364		91775					90814
	91367		91776					90815
	91381		91780					90822
	91384		91789					90840
	91401		91790					
	91402		91791					
	91403		91792					
	91405		91801					
	91406		91803					



**Appendix II-D: SPA 5 Oversample Exchanges**

SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
5	310	270	2	2	100%	2	2	0%	100%
5	310	309	2	2	100%	4	4	0%	100%
5	310	407	2	2	100%	6	6	0%	100%
5	310	481	7	7	100%	13	13	0%	100%
5	310	566	5	5	100%	18	18	0%	100%
5	310	591	2	2	100%	20	20	0%	100%
5	310	595	2	2	100%	22	22	0%	100%
5	310	633	2	2	100%	24	24	0%	100%
5	310	712	3	3	100%	27	27	0%	100%
5	310	794	2	2	100%	29	29	0%	100%
5	310	825	2	2	100%	31	31	0%	100%
5	310	945	4	4	100%	35	35	0%	100%
5	424	202	20	20	100%	55	55	0%	100%
5	424	248	364	368	99%	419	423	1%	99%
5	310	228	28	29	97%	447	452	1%	99%
5	310	526	15	16	94%	462	468	1%	99%
5	424	644	132	147	90%	594	615	1%	97%
5	310	425	321	374	86%	915	989	1%	93%
5	310	645	835	1037	81%	1750	2026	2%	86%
5	310	641	681	852	80%	2431	2878	3%	84%
5	310	773	8	10	80%	2439	2888	3%	84%
5	424	228	586	746	79%	3025	3634	4%	83%
5	310	437	272	355	77%	3297	3989	5%	83%
5	424	744	196	257	76%	3493	4246	5%	82%
5	310	237	6	8	75%	3499	4254	5%	82%
5	310	649	543	720	75%	4042	4974	6%	81%
5	310	216	309	415	74%	4351	5389	6%	81%
5	310	348	105	144	73%	4456	5533	6%	81%
5	310	584	8	11	73%	4464	5544	6%	81%
5	310	342	62	86	72%	4526	5630	6%	80%
5	310	568	185	266	70%	4711	5896	7%	80%
5	310	734	19	27	70%	4730	5923	7%	80%
5	310	337	277	402	69%	5007	6325	7%	79%
5	424	832	374	542	69%	5381	6867	8%	78%
5	310	439	519	760	68%	5900	7627	8%	77%
5	310	310	887	1320	67%	6787	8947	10%	76%
5	424	298	205	304	67%	6992	9251	10%	76%
5	424	835	8	12	67%	7000	9263	10%	76%
5	310	215	180	278	65%	7180	9541	10%	75%
5	310	253	58	89	65%	7238	9630	10%	75%
5	310	665	77	118	65%	7315	9748	10%	75%
5	310	785	97	150	65%	7412	9898	11%	75%
5	310	845	118	181	65%	7530	10079	11%	75%
5	310	506	30	47	64%	7560	10126	11%	75%

SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
5	310	642	129	203	64%	7689	10329	11%	74%
5	310	841	425	662	64%	8114	10991	12%	74%
5	310	558	593	944	63%	8707	11935	12%	73%
5	310	670	748	1190	63%	9455	13125	13%	72%
5	310	772	54	86	63%	9509	13211	14%	72%
5	310	837	1066	1705	63%	10575	14916	15%	71%
5	310	258	43	69	62%	10618	14985	15%	71%
5	310	397	1304	2108	62%	11922	17093	17%	70%
5	310	815	438	703	62%	12360	17796	18%	69%
5	310	839	1116	1804	62%	13476	19600	19%	69%
5	310	284	94	153	61%	13570	19753	19%	69%
5	310	338	155	253	61%	13725	20006	20%	69%
5	310	401	153	250	61%	13878	20256	20%	69%
5	310	788	118	195	61%	13996	20451	20%	68%
5	310	843	68	111	61%	14064	20562	20%	68%
5	310	876	212	346	61%	14276	20908	20%	68%
5	310	391	1306	2187	60%	15582	23095	22%	67%
5	310	559	967	1603	60%	16549	24698	24%	67%
5	310	736	3	5	60%	16552	24703	24%	67%
5	310	836	965	1615	60%	17517	26318	25%	67%
5	310	204	715	1217	59%	18232	27535	26%	66%
5	310	280	263	446	59%	18495	27981	26%	66%
5	310	390	1268	2138	59%	19763	30119	28%	66%
5	310	751	324	552	59%	20087	30671	29%	65%
5	310	842	366	623	59%	20453	31294	29%	65%
5	310	202	661	1134	58%	21114	32428	30%	65%
5	310	287	344	592	58%	21458	33020	31%	65%
5	310	556	222	384	58%	21680	33404	31%	65%
5	310	838	1026	1779	58%	22706	35183	32%	65%
5	310	203	144	251	57%	22850	35434	33%	64%
5	310	282	71	125	57%	22921	35559	33%	64%
5	310	551	115	203	57%	23036	35762	33%	64%
5	310	553	335	585	57%	23371	36347	33%	64%
5	310	824	285	498	57%	23656	36845	34%	64%
5	310	208	408	724	56%	24064	37569	34%	64%
5	310	410	318	569	56%	24382	38138	35%	64%
5	310	417	99	178	56%	24481	38316	35%	64%
5	310	552	221	398	56%	24702	38714	35%	64%
5	310	907	5	9	56%	24707	38723	35%	64%
5	310	201	71	130	55%	24778	38853	35%	64%
5	310	733	6	11	55%	24784	38864	35%	64%
5	310	786	29	53	55%	24813	38917	35%	64%
5	310	443	153	281	54%	24966	39198	36%	64%
5	424	204	183	340	54%	25149	39538	36%	64%
5	424	208	312	574	54%	25461	40112	36%	63%
5	310	209	157	302	52%	25618	40414	37%	63%



SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
5	310	279	15	29	52%	25633	40443	37%	63%
5	310	448	14	27	52%	25647	40470	37%	63%
5	310	752	25	48	52%	25672	40518	37%	63%
5	310	777	65	125	52%	25737	40643	37%	63%
5	310	277	393	772	51%	26130	41415	37%	63%
5	310	398	1211	2383	51%	27341	43798	39%	62%
5	310	557	140	274	51%	27481	44072	39%	62%
5	310	737	124	243	51%	27605	44315	39%	62%
5	310	313	686	1373	50%	28291	45688	40%	62%
5	310	478	618	1247	50%	28909	46935	41%	62%
5	310	479	687	1366	50%	29596	48301	42%	61%
5	310	572	193	386	50%	29789	48687	42%	61%
5	310	887	2	4	50%	29791	48691	43%	61%
5	310	915	372	750	50%	30163	49441	43%	61%
5	310	472	1105	2268	49%	31268	51709	45%	60%
5	310	636	136	275	49%	31404	51984	45%	60%
5	310	823	813	1658	49%	32217	53642	46%	60%
5	310	288	76	160	48%	32293	53802	46%	60%
5	310	396	868	1826	48%	33161	55628	47%	60%
5	310	399	885	1855	48%	34046	57483	49%	59%
5	310	473	725	1512	48%	34771	58995	50%	59%
5	310	474	1005	2090	48%	35776	61085	51%	59%
5	310	476	806	1676	48%	36582	62761	52%	58%
5	310	822	1047	2165	48%	37629	64926	54%	58%
5	424	603	13	27	48%	37642	64953	54%	58%
5	310	248	71	151	47%	37713	65104	54%	58%
5	310	286	146	311	47%	37859	65415	54%	58%
5	310	385	152	324	47%	38011	65739	54%	58%
5	310	392	821	1762	47%	38832	67501	55%	58%
5	310	475	741	1584	47%	39573	69085	56%	57%
5	310	477	786	1669	47%	40359	70754	58%	57%
5	310	454	1362	2977	46%	41721	73731	60%	57%
5	310	574	228	493	46%	41949	74224	60%	57%
5	310	821	915	1968	46%	42864	76192	61%	56%
5	310	828	754	1625	46%	43618	77817	62%	56%
5	310	231	131	293	45%	43749	78110	62%	56%
5	310	246	186	413	45%	43935	78523	63%	56%
5	310	268	117	261	45%	44052	78784	63%	56%
5	310	306	893	1998	45%	44945	80782	64%	56%
5	310	470	761	1709	45%	45706	82491	65%	55%
5	310	207	457	1040	44%	46163	83531	66%	55%
5	310	247	184	422	44%	46347	83953	66%	55%
5	310	271	460	1048	44%	46807	85001	67%	55%
5	310	305	432	985	44%	47239	85986	67%	55%
5	310	434	67	153	44%	47306	86139	67%	55%
5	310	550	257	587	44%	47563	86726	68%	55%

SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
5	310	578	421	955	44%	47984	87681	68%	55%
5	310	820	576	1295	44%	48560	88976	69%	55%
5	310	826	697	1601	44%	49257	90577	70%	54%
5	310	234	169	394	43%	49426	90971	71%	54%
5	310	235	58	134	43%	49484	91105	71%	54%
5	310	276	465	1073	43%	49949	92178	71%	54%
5	310	450	1003	2320	43%	50952	94498	73%	54%
5	310	456	528	1224	43%	51480	95722	73%	54%
5	310	274	346	830	42%	51826	96552	74%	54%
5	310	275	466	1103	42%	52292	97655	75%	54%
5	310	301	433	1020	42%	52725	98675	75%	53%
5	310	317	127	301	42%	52852	98976	75%	53%
5	310	441	376	885	42%	53228	99861	76%	53%
5	310	445	186	447	42%	53414	100308	76%	53%
5	310	452	683	1614	42%	54097	101922	77%	53%
5	310	459	953	2286	42%	55050	104208	79%	53%
5	310	575	182	437	42%	55232	104645	79%	53%
5	310	694	10	24	42%	55242	104669	79%	53%
5	310	827	644	1529	42%	55886	106198	80%	53%
5	310	860	141	332	42%	56027	106530	80%	53%
5	310	888	43	103	42%	56070	106633	80%	53%
5	310	966	77	182	42%	56147	106815	80%	53%
5	310	205	85	207	41%	56232	107022	80%	53%
5	310	312	226	545	41%	56458	107567	81%	52%
5	310	314	268	653	41%	56726	108220	81%	52%
5	310	393	766	1848	41%	57492	110068	82%	52%
5	310	444	199	487	41%	57691	110555	82%	52%
5	310	449	61	149	41%	57752	110704	82%	52%
5	310	453	515	1242	41%	58267	111946	83%	52%
5	310	457	899	2179	41%	59166	114125	84%	52%
5	310	471	560	1355	41%	59726	115480	85%	52%
5	310	571	120	293	41%	59846	115773	85%	52%
5	310	577	316	766	41%	60162	116539	86%	52%
5	310	829	398	974	41%	60560	117513	86%	52%
5	310	914	116	284	41%	60676	117797	87%	52%
5	310	264	157	396	40%	60833	118193	87%	51%
5	310	394	561	1401	40%	61394	119594	88%	51%
5	310	395	753	1881	40%	62147	121475	89%	51%
5	310	623	2	5	40%	62149	121480	89%	51%
5	310	917	56	139	40%	62205	121619	89%	51%
5	310	260	227	580	39%	62432	122199	89%	51%
5	310	273	307	795	39%	62739	122994	90%	51%
5	310	278	309	786	39%	63048	123780	90%	51%
5	310	315	169	437	39%	63217	124217	90%	51%
5	310	442	263	671	39%	63480	124888	91%	51%
5	310	581	236	600	39%	63716	125488	91%	51%

SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
5	310	664	157	405	39%	63873	125893	91%	51%
5	310	858	224	570	39%	64097	126463	91%	51%
5	310	889	109	280	39%	64206	126743	92%	51%
5	310	996	46	119	39%	64252	126862	92%	51%
5	424	288	134	342	39%	64386	127204	92%	51%
5	310	440	239	634	38%	64625	127838	92%	51%
5	310	451	518	1378	38%	65143	129216	93%	50%
5	310	586	87	227	38%	65230	129443	93%	50%
5	323	792	3	8	38%	65233	129451	93%	50%
5	424	245	118	312	38%	65351	129763	93%	50%
5	310	446	308	823	37%	65659	130586	94%	50%
5	310	447	10	27	37%	65669	130613	94%	50%
5	310	576	130	356	37%	65799	130969	94%	50%
5	310	859	186	502	37%	65985	131471	94%	50%
5	310	285	55	151	36%	66040	131622	94%	50%
5	310	302	42	118	36%	66082	131740	94%	50%
5	310	458	348	970	36%	66430	132710	95%	50%
5	310	724	9	25	36%	66439	132735	95%	50%
5	310	979	143	395	36%	66582	133130	95%	50%
5	424	702	9	25	36%	66591	133155	95%	50%
5	310	319	116	327	35%	66707	133482	95%	50%
5	310	587	59	171	35%	66766	133653	95%	50%
5	310	899	148	427	35%	66914	134080	95%	50%
5	310	998	60	172	35%	66974	134252	96%	50%
5	310	230	329	977	34%	67303	135229	96%	50%
5	310	573	198	585	34%	67501	135814	96%	50%
5	310	589	168	516	33%	67669	136330	97%	50%
5	310	582	36	113	32%	67705	136443	97%	50%
5	310	656	48	152	32%	67753	136595	97%	50%
5	310	967	15	47	32%	67768	136642	97%	50%
5	310	358	82	264	31%	67850	136906	97%	50%
5	310	289	130	438	30%	67980	137344	97%	49%
5	310	281	22	76	29%	68002	137420	97%	49%
5	310	659	259	944	27%	68261	138364	97%	49%
5	310	854	103	385	27%	68364	138749	98%	49%
5	310	855	58	211	27%	68422	138960	98%	49%
5	424	227	282	1038	27%	68704	139998	98%	49%
5	310	360	99	385	26%	68803	140383	98%	49%
5	310	657	192	762	25%	68995	141145	98%	49%
5	310	910	44	177	25%	69039	141322	98%	49%
5	424	750	38	152	25%	69077	141474	99%	49%
5	310	256	4	18	22%	69081	141492	99%	49%
5	310	652	181	839	22%	69262	142331	99%	49%
5	310	695	54	323	17%	69316	142654	99%	49%
5	310	846	6	51	12%	69322	142705	99%	49%
5	323	966	2	23	9%	69324	142728	99%	49%

SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
5	323	782	32	502	6%	69356	143230	99%	48%
5	323	944	9	150	6%	69365	143380	99%	48%
5	323	645	1	19	5%	69366	143399	99%	48%
5	323	656	75	1368	5%	69441	144767	99%	48%
5	323	951	17	332	5%	69458	145099	99%	48%
5	323	348	13	339	4%	69471	145438	99%	48%
5	323	650	41	937	4%	69512	146375	99%	47%
5	323	654	68	1518	4%	69580	147893	99%	47%
5	323	658	13	296	4%	69593	148189	99%	47%
5	323	822	14	340	4%	69607	148529	99%	47%
5	323	852	13	319	4%	69620	148848	99%	47%
5	323	651	17	607	3%	69637	149455	99%	47%
5	323	653	28	845	3%	69665	150300	99%	46%
5	323	655	24	819	3%	69689	151119	99%	46%
5	323	815	4	125	3%	69693	151244	99%	46%
5	323	903	12	413	3%	69705	151657	99%	46%
5	310	455	30	1430	2%	69735	153087	99%	46%
5	323	290	22	896	2%	69757	153983	100%	45%
5	323	291	34	1949	2%	69791	155932	100%	45%
5	323	293	35	1998	2%	69826	157930	100%	44%
5	323	294	34	2013	2%	69860	159943	100%	44%
5	323	848	22	978	2%	69882	160921	100%	43%
5	323	272	6	564	1%	69888	161485	100%	43%
5	323	292	26	2043	1%	69914	163528	100%	43%
5	323	295	30	2008	1%	69944	165536	100%	42%
5	323	296	23	1780	1%	69967	167316	100%	42%
5	323	298	16	1176	1%	69983	168492	100%	42%
5	323	299	24	1884	1%	70007	170376	100%	41%
5	323	378	7	676	1%	70014	171052	100%	41%
5	323	798	5	566	1%	70019	171618	100%	41%
5	818	735	5	405	1%	70024	172023	100%	41%
5	213	387	1	2158	0%	70025	174181	100%	40%
5	213	483	2	1962	0%	70027	176143	100%	40%
5	310	412	2	1270	0%	70029	177413	100%	39%
5	310	674	2	2015	0%	70031	179428	100%	39%
5	323	234	1	2802	0%	70032	182230	100%	38%
5	323	257	1	2307	0%	70033	184537	100%	38%
5	323	265	1	1501	0%	70034	186038	100%	38%
5	323	266	2	2058	0%	70036	188096	100%	37%
5	323	418	1	940	0%	70037	189036	100%	37%
5	323	424	3	708	0%	70040	189744	100%	37%
5	323	461	1	1593	0%	70041	191337	100%	37%
5	323	526	2	1134	0%	70043	192471	100%	36%
5	323	589	1	2448	0%	70044	194919	100%	36%
5	323	663	1	2006	0%	70045	196925	100%	36%
5	323	669	1	1077	0%	70046	198002	100%	35%

SPA	AC	EXCH	Listed Phones in Tract Exch	Listed Phones in Exchange	Percent of Exch Phones in Tract	Cumulative Listed Phones in Tract/Exch	Cumulative Listed Phones in Exch	Percent of Tract set Covered	Percent of Listed Phones in Tract
5	323	731	1	2236	0%	70047	200238	100%	35%
5	323	732	2	2325	0%	70049	202563	100%	35%
5	323	733	3	2340	0%	70052	204903	100%	34%
5	323	734	1	2310	0%	70053	207213	100%	34%
5	323	737	1	2164	0%	70054	209377	100%	33%
5	323	750	1	2282	0%	70055	211659	100%	33%
5	323	753	1	2306	0%	70056	213965	100%	33%
5	323	758	1	2394	0%	70057	216359	100%	32%
5	323	777	1	2186	0%	70058	218545	100%	32%
5	323	846	1	1481	0%	70059	220026	100%	32%
5	323	850	1	622	0%	70060	220648	100%	32%
5	323	931	1	1706	0%	70061	222354	100%	32%
5	323	932	1	873	0%	70062	223227	100%	31%
5	323	933	2	1614	0%	70064	224841	100%	31%
5	323	934	1	1679	0%	70065	226520	100%	31%
5	323	935	1	1742	0%	70066	228262	100%	31%
5	323	936	1	1630	0%	70067	229892	100%	30%
5	323	937	1	1265	0%	70068	231157	100%	30%
5	323	939	2	1755	0%	70070	232912	100%	30%
5	323	953	2	1291	0%	70072	234203	100%	30%
5	323	962	1	928	0%	70073	235131	100%	30%
5	818	222	4	1650	0%	70077	236781	100%	30%
5	818	223	1	308	0%	70078	237089	100%	30%
5	818	591	1	826	0%	70079	237915	100%	29%
5	818	597	2	867	0%	70081	238782	100%	29%
5	818	706	1	1054	0%	70082	239836	100%	29%
5	818	707	3	1246	0%	70085	241082	100%	29%
5	818	879	1	858	0%	70086	241940	100%	29%
5	818	889	5	1979	0%	70091	243919	100%	29%
5	818	991	5	1755	0%	70096	245674	100%	29%

Note: Shaded rows are the 159 exchanges that defined the SPA 5 oversample.

## Appendix IV-A: Answers to Frequently Asked Questions

### Purpose/Topic of the Survey

**Q: What is this survey about? Is this survey for real?**

A: This is a very important survey conducted by the Los Angeles County Department of Public Health. It helps the LA County Health Department learn about health care needs in our city and in your neighborhood. Your participation may help improve the health and health care of county residents. The information gathered through this survey is also used to determine how tax dollars will be spent.

**Q: How are you going to use this information?**

A: The Department of Health uses the data to target new and ongoing problems and to improve services in all of LA County and your neighborhood. The information gathered through this survey is also used to determine how tax dollars will be spent.

**Q: What specifically will you ask?**

A: About your current health and other issues such as: how much you exercise, diseases a doctor may have told you about, and your access to health care. You can always choose not to answer a specific question, and your answers are confidential.

### Legitimacy

**Q: Who is doing this survey? You are not the Department of Health?**

A: I work for a research firm called Abt SRBI. Abt SRBI is conducting the telephone interviews on behalf of the LA County Department of Health.

**Q: How do I know you are who you say you are?**

A: I am a trained interviewer hired for this study. I can give you the name and the telephone number of my supervisor if you would like further verification.

**SUPERVISOR NAME:**

**PHONE:**

**ONLY if the respondent will not accept your supervisor's number for verification:**

If you have any questions about the survey, you may contact the Los Angeles County Department of Public Health at 213-240-7785

### Why me?

**Q: Why can't you just call someone else?**

A: This survey is based on a randomly selected group of telephone numbers in LA County. Since the telephone numbers are picked by chance, we can't substitute households or individuals. In other words, you cannot be replaced. In addition your participation ensures that your neighborhood is represented.

**Q: Well, I'm in good health. Talk to someone else.**

A: I'm glad your health is good! To have an accurate picture of the health of County residents, we need to interview people both in good health and in poor. Your interview will give the Department a better understanding of how ALL people in your neighborhood are doing.

### Burden

**Q: How long will this take again?**

A: The length of the survey depends on how you answer certain questions, but it takes about 25 minutes for most people.

### **Privacy**

**Q: I'm unlisted, how did you get my phone number?**

A: The phone numbers being called are generated randomly using a computer that produces all possible phone numbers in the County. This ensures that every County resident has the chance to be called. The computer can even dial unlisted numbers.

A: We don't get the numbers from the telephone book, but rather the computer randomly generates all of the numbers that we call. Because of this, we call both published and unpublished phone numbers.

**Q: I'm on the state and national "Do Not Call" list. Why are you calling me?**

A: Signing up for the "Do Not Call" registry prevents telemarketers who are trying to sell something from calling you. We are not selling anything. We are calling to conduct a legitimate research study for the LA County Department of Health, thus the "Do Not Call" registry is not applicable to us.

### **Confidentiality**

**Q: Are my responses going to be confidential?**

A: Your answers are confidential. You don't have to give me any personal identifying information such as your full name or address. Your information is handled in a secure and confidential manner.

**Q: Why do you need to know how many adults live in this household?**

A: It is information used to select one member from your household to complete the interview. It is a simple random selection, like drawing numbers from a hat.

### **Lack of interest**

**Q: Thanks, but I am not interested.**

A: Many people say they are not interested, but once they get started, they end up enjoying the interview. The questions are all about your health and are easy to answer and you will make a contribution to helping other county residents.

**Q: I already told you I'm not interested in your survey, why are you calling again?**

A: I'm sorry for the inconvenience, but we'd like to talk to (you/selected respondent) one more time about the importance of this survey and to ask for (you/him or her) to participate. The design of this study does not allow us to replace anyone with another member of the household once he/she is chosen for the study. The LA County Health Department wants to make sure that people in your neighborhood are represented in the study.

### **Check for Cell Survey -OR- If completed both Adult and Child Version**

**Q: How am I going to get the payment? How do I know you'll really send this?**

A: We will mail you a \$10 check. Processing typically takes 4 to 6 weeks. If you do not receive your check after 6 weeks, you can leave a message for the Abt SRBI Project Director, **Jamie Munjack**, at **732-403-2502** and he will work with you to make sure that you receive your check.

**Q: You told me this was confidential and I answered your questions, but now you are asking me for my full name and my address!**

A: Your name and address will only be on the check, and are entirely separate from your answers. The Health Department will NOT have access to it.

**Q: I don't feel comfortable giving you my address. Can I get it some other way? Can I just give you my initials instead?**

A: Unfortunately, we can only mail it to you. The check can only be sent to your address, and your correct name is needed so you can cash or deposit it.

**Appendix IV-B: Adult Survey Questionnaire****– Adult Screener –****Introduction 1 (RDD VERSION (“stypc”=1))**

Hello. I’m \_\_\_\_\_ and I’m calling on behalf of your Los Angeles County Department of Public Health, whose role is to promote and protect the health of everyone who lives in Los Angeles County. The Department of Public Health is conducting an important survey of County residents.

May I please speak with any adult, 18 years of age or older, who resides in this household?

- ENTER APPROPRIATE DISPOSITION CODE.

**(NOW GO TO INTRODUCTION 2.)**

**Introduction 1 (CELL PHONE VERSION (“stypc”=2))**

Hello. I’m \_\_\_\_\_ and I’m calling on behalf of your Los Angeles County Department of Public Health, whose role is to promote and protect the health of everyone who lives in Los Angeles County. The Department of Public Health is conducting an important survey of County residents. If you qualify for the survey, we will pay you \$10 for completing it.

- PROCEED WITH INTERVIEW

CS1. In order to ensure your safety I’d like to ask you, are you driving a car right now?

- 1 = Yes
- 2 = No
- 9 = (VOL) Refused

**(IF CS1=1 OR 9, ASK CS2.  
ELSE GO TO CS3.)**

CS2. When would be a better time to call you back?

- 1 = Schedule Callback
- 9 = (VOL) Refused

**(IF CS2=1, SCHEDULE CALLBACK.  
ELSE DISPOSITION AS REFUSAL AND READ: “Thank you very much for your time.”)**

CS3. Are you 18 years of age or older?

[INTERVIEWER: PLEASE CONFIRM NEGATIVE RESPONSES TO ENSURE THAT RESPONDENT HAS HEARD AND UNDERSTOOD CORRECTLY.]

- 1 = Yes
- 2 = No
- 9 = (VOL) Refused

**(IF CS3=2, ASK CS4.  
IF CS3=1, GO TO CS8.  
ELSE DISPOSITION AS REFUSAL AND READ: “Thank you very much for your time.”)**



CS4. Is this your own cell phone or does it belong to one of your parents or a guardian?

- 1 = Cell Phone Belongs To Minor
- 2 = Cell Phone Belongs To Parent or Guardian
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF CS4=2, ASK CS5.**

**IF CS4=1, DISPOSITION AS "CHILD/TEEN PHONE" AND READ:** "Thank you very much, but we are only interviewing persons aged 18 or older at this time."

**ELSE DISPOSITION AS REFUSAL AND READ:** "Thank you very much for your time.")

CS5. May I please speak with the parent or guardian to whom this phone belongs?

- 1 = Brought Parent/Guardian to Phone
- 2 = Parent/Guardian Not Available
- 3 = (VOL) Refused

**(IF CS5=1, ASK CS6. IF CS5=2, GO TO CS7.**

**ELSE DISPOSITION AS REFUSAL AND READ:** "Thank you very much for your time.")

CS6. Hello. I'm \_\_\_\_\_ and I'm calling on behalf of your Los Angeles County Department of Public Health, whose role is to promote and protect the health of everyone who lives in Los Angeles County. The Department of Public Health is conducting an important survey of County residents. If you qualify for the survey, we will pay you \$10 for completing it. May I continue?

- 1 = Agree to Continue
- 2 = Not able to Continue / Schedule Callback
- 3 = (VOL) Refused

**(IF CS6=1, GO BACK TO CS1. IF CS6=2, SCHEDULE CALLBACK.**

**ELSE DISPOSITION AS REFUSAL AND READ:** "Thank you very much for your time.")

CS7. When would be a better time to call back and speak to a parent or guardian?

- 1 = Schedule Callback
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF CS7=1 OR 8, SCHEDULE CALLBACK.**

**ELSE DISPOSITION AS REFUSAL AND READ:** "Thank you very much for your time.")

CS8. Is this (**PHONE NUMBER**)?

- 1 = Yes
- 2 = No
- 9 = (VOL) Refused

**(IF CS8=1, ASK CS9.**

**IF CS8=2, DISPOSITION AS WRONG # AND READ:** "Thank you very much but I seem to have dialed the wrong number. It's possible that your number may be called at a later time."

**IF CS8=9, DISPOSITION AS REFUSAL AND READ:** "Thank you for your time.")

CS9. In order to make sure our information is correct, I would just like to double check with you...is this a cellular telephone?

[INTERVIEWER: PLEASE CONFIRM NEGATIVE RESPONSES TO ENSURE THAT RESPONDENT HAS HEARD AND UNDERSTOOD CORRECTLY.]

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF CS9=1, GO TO INTRODUCTION 2.**

**IF CS9=2, TERMINATE (“S/O CS4-NOT a Cell Phone”) AND READ:** “Thank you very much, but we are only interviewing people on their cell phones at this time.”

**ELSE DISPOSITION AS REFUSAL AND READ:** “Thank you very much for your time.”)

**Introduction 2 (ALL VERSIONS)**

We are calling to collect information about the health of County residents to help the Department better serve you. Your telephone number was randomly generated by computer. We are definitely NOT selling anything or asking for money. The survey is absolutely confidential and the answers given will not be identified with your household in any way. If you have any questions about the survey, you may contact the Los Angeles County Department of Public Health at (213) 240-7785.

1 = CONTINUE

S1. Is your household located in Los Angeles County?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF S1=1, GO TO S3.**

**ELSE ASK S2.)**

S2. In what city or town do you live? (ENTER CITY CODE FROM TACKUP)

(RANGE=1 through 482; 997=Other; 998=Don't Know; 999=Refused)

\_\_\_\_\_ Enter City Code

**(IF A CITY ON THE LIST IS GIVEN AT S2, GO TO INSTRUCTIONS BEFORE S3.**

**IF S2= OTHER, DON'T KNOW, OR REFUSED, TERMINATE (“S/O S2 – NOT in LA County”) AND READ:** “I'm sorry but you are not eligible for this survey. We are only interviewing people who currently live in Los Angeles County. Thank you for your time.”)

S3. So that all types of people will be represented in our survey, I need to know how many adults live here. How many persons age 18 or older currently live in this household, including yourself?

\_\_\_\_\_ Enter # (RANGE = 1 through 10; 10=10 or more; 98=Don't Know; 99=Refused)

**(IF CELL PHONE VERSION (“stypc”=2), GO TO S13.**

**ELSE GO TO INSTRUCTIONS BEFORE S4.)**

**(IF S3=1, ASK S4.**

**IF (S3=2 through 10), RANDOMLY SELECT AN ADULT FROM AMONGST THE TOTAL # OF ADULTS GIVEN AT S3, WITH ADULT #1 ALWAYS BEING ASSIGNED TO THE RESPONDENT. THEN GO TO INSTRUCTIONS BEFORE S8.**

**IF S3=98, GO TO INSTRUCTIONS BEFORE S5.**

**IF S3=99, DISPOSITION AS A REFUSAL.)**

S4. Is that you?

- 1 = Yes, speaking with an adult
- 2 = NOT speaking with an adult
- 9 = (VOL) Refused

**(IF S4=1, GO TO S13.**

**(IF (S3=98) OR (S4=2), ASK S5.**

**IF S4=9, DISPOSITION AS REFUSAL.)**

S5. Is there an adult in the household who would be able to provide answers about the other individuals?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF S5=1, ASK S6.**

**ELSE DISPOSITION AS REFUSAL.)**

S6. May I please speak with this person?

- 1 = New Adult Brought to Phone
- 2 = New Adult Not Available
- 9 = (VOL) Refused

**(IF S6=1, ASK S7.**

**IF S6=2, SCHEDULE CALLBACK.**

**IF S6=9, DISPOSITION AS REFUSAL.)**

S7. Hello. I'm \_\_\_\_\_ and I'm calling on behalf of your Los Angeles County Department of Public Health, whose role is to promote and protect the health of everyone who lives in Los Angeles County. The Department of Public Health is conducting an important survey of County residents. May I continue?

- 1 = Agrees to Continue
- 2 = Not available now
- 9 = (VOL) Refused

**(IF S7=1, GO BACK TO INTRODUCTION 2.**

**IF S7=2, SCHEDULE CALLBACK.**

**IF S7=9, DISPOSITION AS REFUSAL.)**

**(IF (S3=2 through 10) AND (RESPONDENT (ADULT #1) IS RANDOMLY SELECTED), ASK S8. ELSE GO TO INSTRUCTIONS BEFORE S9.)**

S8. We would like to continue the interview with you.

- 1 = Agrees to Continue
- 2 = Not available now
- 9 = (VOL) Refused

**(IF S8=1, GO TO S13.  
IF S8=2, SCHEDULE CALLBACK.  
IF S8=9, DISPOSITION AS REFUSAL.)**

**(IF (S3=2) AND (ADULT #2 IS RANDOMLY SELECTED), ASK S9.  
ELSE GO TO INSTRUCTIONS BEFORE S11.)**

S9. We would like to speak to the OTHER adult who lives in your household. May I please speak with that person?

- 1 = Yes, new adult brought to phone
- 2 = Not available now
- 9 = (VOL) Refused

**(IF S9=1, ASK S10.  
IF S9=2, SCHEDULE CALLBACK.  
IF S9=9, DISPOSITION AS REFUSAL.)**

S10. Hello. I'm \_\_\_\_\_ and I'm calling on behalf of your Los Angeles County Department of Public Health, whose role is to promote and protect the health of everyone who lives in Los Angeles County. The Department of Public Health is conducting an important survey of County residents. May I continue?

- 1 = Agrees to Continue
- 2 = Not available now
- 9 = (VOL) Refused

**(IF S10=1, GO TO INTRODUCTION 3.  
IF S10=2, SCHEDULE CALLBACK.  
IF S10=9, DISPOSITION AS REFUSAL.)**

**Introduction 3**

We are calling to collect information about the health of County residents to help the Department better serve you. Your telephone number was randomly generated by computer. We are definitely NOT selling anything or asking for money. The survey is absolutely confidential and the answers given will not be identified with your household in any way. If you have any questions about the survey, you may contact the Los Angeles County Department of Public Health at (213) 240-7785.

- 1 = CONTINUE

**(NOW GO TO S13.)**

**(IF (S3=3 through 10) AND (ADULT #1 IS NOT RANDOMLY SELECTED), ASK S11.)**

S11. We would like to conduct the interview with one of the other adults in your household. In order to randomly select one of them for the survey, please think of the one BESIDES YOURSELF who has had the MOST RECENT BIRTHDAY. May I please speak with that person?

- 1 = Yes, new adult brought to phone
- 2 = Not available now
- 9 = (VOL) Refused

**(IF S11=1, ASK S12.**

**IF S11=2, SCHEDULE CALLBACK.**

**IF S11=9, DISPOSITION AS REFUSAL.)**

S12. Hello. I'm \_\_\_\_\_ and I'm calling on behalf of your Los Angeles County Department of Public Health, whose role is to promote and protect the health of everyone who lives in Los Angeles County. The Department of Public Health is conducting an important survey of County residents. May I continue?

- 1 = Agrees to Continue
- 2 = Not available now
- 9 = (VOL) Refused

**(IF S12=1, GO TO INTRODUCTION 4.**

**IF S12=2, SCHEDULE CALLBACK.**

**IF S12=9, DISPOSITION AS REFUSAL.)**

#### **Introduction 4**

We are calling to collect information about the health of County residents to help the Department better serve you. Your telephone number was randomly generated by computer. We are definitely NOT selling anything or asking for money. The survey is absolutely confidential and the answers given will not be identified with your household in any way. If you have any questions about the survey, you may contact the Los Angeles County Department of Public Health at (213) 240-7785.

- 1 = CONTINUE

**(NOW GO TO S13.)**

S13. We can conduct the survey in any of the following languages – English, Spanish, Mandarin, Cantonese, Korean and Vietnamese. In which language would you prefer to be interviewed?

- 1 = English
- 2 = Spanish
- 3 = Mandarin
- 4 = Cantonese
- 5 = Chinese (Unspecified)
- 6 = Korean
- 7 = Vietnamese
- 8 = Asian (Unspecified)
- 9 = Other
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

**(IF S13=1, GO TO Q1.**

**IF (S13=2 through 8), ASK S14.**

**IF S13=9 OR 98, DISPOSITION AS “LANGUAGE BARRIER” AND READ:** “I am sorry, but we can only conduct the interview in English, Spanish, Mandarin, Cantonese, Korean or Vietnamese. Thank you very much for your time.”

**IF S13=99, DISPOSITION AS REFUSAL.)**

S14. An interviewer fluent in *(read-in from S13)* will call you back soon to conduct the interview in that language. We would greatly appreciate your participation in this important survey when our interviewer calls back.

1 = SCHEDULE CALLBACK

**(NOW SCHEDULE CALLBACK.)**

**(Programmer: Create a variable called “subsamp.” Randomly assign each respondent a value of “1” through “8” for this variable. Ensure that each value of “1” through “8” is assigned an equal # of times.**

**(INSERT TIME STAMP)**

**Display:** Before we continue, I need to tell you that this call may be monitored by my supervisor to ensure quality and courtesy. If you prefer not to answer any question, please tell me and I will simply go on to the next question.

**OVERALL HEALTH STATUS**

**Display:** First, a few questions about your health and general well-being.

Q1. Would you say that in general your health is...(READ LIST)? (LACHS 07, 05, 02, 99, 97; BRFS)

- 1 = Excellent
- 2 = Very good
- 3 = Good
- 4 = Fair
- 5 = Poor
- 8 = (VOL) Don't know
- 9 = (VOL) Refused

Q2. Thinking about your PHYSICAL health, which includes physical illness and injury, for how many days during the PAST 30 DAYS was your PHYSICAL health not good? (LACHS 07, 05, 02, 99; BRFS)

\_\_\_ Enter Days (RANGE=0 through 30; 98=Don't Know; 99=Refused)

Q3. Thinking about your MENTAL health, which includes stress, depression and problems with emotions, for how many days during the PAST 30 DAYS was your MENTAL health not good? (LACHS 07, 05, 02, 99; BRFS)

\_\_\_ Enter Days (RANGE=0 through 30; 98=Don't Know; 99=Refused)

Q4. During the PAST 30 DAYS, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work or recreation? (LACHS 07, 05, 02, 99; BRFS)

\_\_\_ Enter Days (RANGE=0 through 30; 98=Don't Know; 99=Refused)

**(IF Q4=1 through 30, ASK Q4a.  
ELSE GO TO Q5.)**

Q4a. How many of those (*insert from Q4*) days were due to poor mental health? (DMH)

\_\_\_\_ Enter Days (RANGE=0 through 30; 98=Don't Know; 99=Refused)

**(Response cannot exceed answer from Q4.)**

Q5. Because it is sometimes difficult to determine over the phone, I am asked to confirm whether you are male or female?

- 1 = Male
- 2 = Female

Q6. What is your age?

\_\_\_\_ Record Age (RANGE=18 through 125; 999=Refused)

**(IF Q6=97 through 125 OR 999, ASK Q6v.  
ELSE GO TO Q7.)**

Q6v. INTERVIEWER: PLEASE CONFIRM THAT YOU INTENDED TO ENTER (*insert from Q6*) TO THE PREVIOUS QUESTION.]

- 1 = Yes, I correctly entered the response
- 2 = No, I made an error when entering the response

**(IF Q6v=1, GO TO INSTRUCTION BEFORE Q6a.  
IF Q6v=2, GO BACK TO Q6 and RE-ASK.)**

**(IF Q6=999, ASK Q6a. ELSE GO TO Q7.)**

Q6a. We are only asking this to make sure that we have talked to enough people in each age group. Can you just tell me if you are...(READ LIST)? (MODIFIED; FROM 2005 NYCHS)

- 1 = 18 to 24
- 2 = 25 to 29
- 3 = 30 to 39
- 4 = 40 to 44
- 5 = 45 to 49
- 6 = 50 to 59
- 7 = 60 to 64
- 8 = 65 or older?
- 9 = (VOL) Refused

**(IF Q6a=9, ASK Q6b.  
ELSE GO TO Q7.)**

Q6b. Well, can you tell me whether you are under age 65 or not?

- 1 = Yes, under age 65
- 2 = No, age 65 or older
- 9 = (VOL) Refused

Q7. How tall are you?

- 1 = Answer in feet/inches ("Feet" RANGE=3 to 9) ("Inches" RANGE=0 to 11)  
(INTERVIEWER: RECORD WHOLE NUMBER ONLY)
- 2 = Answer in meters/centimeters ("Meters" RANGE=0.00 to 3.00) ("cm" RANGE=0.00 to 275.00) (INTERVIEWER: RECORD 2 DECIMAL PLACES IF NEEDED)
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q8. How much do you weigh?

- 1 = Answer in pounds ("Pounds" RANGE=50 to 600) (INTERVIEWER: RECORD 1 DECIMAL PLACE IF NEEDED)
- 2 = Answer in kilograms ("kg" RANGE=20 to 275) (INTERVIEWER: RECORD 1 DECIMAL PLACE IF NEEDED)
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q9. How many total servings of fruits and vegetables did you eat YESTERDAY? (LACHS 07, 05, 02, 99)

(IF NECESSARY, SAY: A serving would equal one medium apple, a handful of broccoli, or a cup of cut carrots.)

(INTERVIEWER: 6 oz. of 100% fruit juice counts as a serving.)

\_\_\_\_\_ # of Servings (RANGE=0 through 97; 98=Don't Know; 99=Refused)

**(IF Q9=13 through 97, ASK Q9v.  
ELSE GO TO Q10.)**

Q9v. I just want to confirm that you ate (*insert from Q9*) total servings of fruits and vegetables yesterday. Is this correct, or did I incorrectly enter your response?

- 1 = Answer is CORRECT
- 2 = NOT correct

**(IF Q9v=1, GO TO Q10.  
IF Q9v=2, GO BACK TO Q9 and RE-ASK.)**

Q10. How often do you eat any food, including meals and snacks, from a fast-food restaurant, like McDonald's, Taco Bell, Kentucky Fried Chicken or another similar type of place? Would you say...(READ LIST)?

(LACHS 07; AMERICAN JOURNAL OF HEALTH PROMOTION OBESOGENIC ARTICLE, MODIFIED)

(INTERVIEWER: Do NOT count Subway, ToGos or Baja Fresh.)

[ONLY IF NEEDED: IF GOES MULTIPLE TIMES PER DAY, COUNT EACH VISIT FOR THAT DAY.]

- 1 = 4 or more times per week,
- 2 = 1-3 times per week,
- 3 = Less than once a week but more than once a month,
- 4 = Less than once a month, or
- 5 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused



**(INSERT TIME STAMP)**

**(IF "subsamp"=1 (STREET VENDORS/SALMONELLA/ARTS), ASK SS1 through SS6.  
ELSE GO TO INSTRUCTIONS BEFORE N1.)**

SS1. If street vendors selling food from a cart or truck were to have a letter grade like restaurants do, would you use the grade to decide whether you would eat there, or not?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

SS2. In the PAST 12 MONTHS, have you bought food from a street vendor, cart, or truck?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF SS2=1, ASK SS3.  
ELSE GO TO SS5.)**

SS3. How many times?

- 1 = 4 or more times per week,
- 2 = 1-3 times per week,
- 3 = Less than once a week but more than once a month, or
- 4 = Less than once a month?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

SS4. Have you ever been sick from eating food bought from a street vendor, cart of truck?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

SS5. In the PAST THREE MONTHS, have you eaten raw shellfish such as oysters or clams? [\[EH 2001, Q29\]](#)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

SS6. Which items can cause diarrheal illness such as Salmonella? [\[ACD\]](#)

Can *(insert item)* cause a diarrheal illness such as Salmonella?

**SS6 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize items)***

- a. Raw chicken
- b. Raw oysters
- c. Turtles
- d. Raw eggs

**(IF "subsamp=2 (NUTRITION), ASK N1 through N6.  
ELSE GO TO INSTRUCTIONS BEFORE F1.)**

**Display:** These next few questions are about nutrition.

N1. How easy or difficult is it for you to get fresh produce (fruits and vegetables)? **(Colorado Trust's Colorado Health People**

**2010 Obesity Prevention Initiative Survey)**

- 1 = Very Difficult,
- 2 = Somewhat Difficult,
- 3 = Somewhat Easy, or
- 4 = Very Easy?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF N1=1 OR 2, ASK N2.  
ELSE GO TO N3.)**

N2. Is this because...**(insert item)?**

**N2 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize)***

- a. Stores in your neighborhood don't sell fresh fruits & vegetables.
- b. The quality of fresh fruits & vegetables where you shop is poor.
- c. Fresh fruits & vegetables are too expensive.

N3. On an average day, about how many sodas or sweetened drinks such as Gatorade, Red Bull or Sunny Delight do you drink? Do not include diet sodas or sugar-free drinks. Please count a 12-ounce can, bottle or glass as one drink.

[INTERVIEWER: If, after probing, Resp says 3 or less drinks for the entire week, code as "97" (Rarely).]

\_\_\_\_\_ Enter # (RANGE = 0 through 96; 97=Rarely; 98=Don't Know; 99=Refused)

**(IF N3=13 through 96, ASK N3v.  
ELSE GO TO N4.)**

N3v. I just want to confirm that you drink **(insert from N3)** sodas or sweetened drinks on an average day. Is this correct, or did I incorrectly enter your response?

- 1 = Answer is CORRECT
- 2 = NOT correct

**(IF N3v=1, GO TO N4.  
IF N3v=2, GO BACK TO N3 and RE-ASK.)**

N4. Since recent laws passed requiring food chains with 20 or more restaurants to have available nutrition information, have you seen or read calorie information at these types of places?

- 1 = Yes
- 2 = No
- 3 = Have NOT eaten where calorie info posting required
- 4 = Have NOT eaten out
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF N4=1, ASK N5.  
ELSE GO TO N6.)**

N5. How did you use the information you saw or read? (READ LIST)

- 1 = You ordered food/drinks with more calories
- 2 = You ordered food/drinks with fewer calories
- 3 = The information did NOT change what you ordered
- 4 = You did NOT use the information
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

N6. I am going to read some statements about nutrition-related issues and, for each, please tell me whether you agree or disagree.

**(insert item)** Do you agree or disagree?

**N6 Answer Codes**

- 1 = Agree
- 2 = Disagree
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. I would support a tax increase on sodas as a way to discourage kids and others from drinking too many of them.
- b. There should be restrictions placed on the advertising of sugared cereals, candy, sodas, and fast foods to children.
- c. There should be restrictions placed on how much sodium or salt is allowed to be added to packaged foods and in foods served at restaurants.
- d. Salt in packaged, canned, or processed foods can be harmful to your health.
- e. There should be a law prohibiting fast food restaurants within a quarter mile of schools.
- f. There should be a law prohibiting convenience stores within a quarter mile of schools.

**(IF "subsamp"=4 (FOOD POISONING/PASTEURIZATION/HERBAL/STD), ASK F1 through F7.  
ELSE GO TO Q11.)**

**Display:** On another topic...

F1. If you believed that you or someone in your family had gotten food poisoning, how likely would you be to report it?

(IF NECESSARY: This could be from any food source such as at a restaurant, cafeteria, lunchroom, catered event, take out, delivered food, or from a street vendor.)

- 1 = Very Likely,
- 2 = Somewhat Likely,
- 3 = Somewhat Unlikely, or
- 4 = Very Unlikely?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF F1=3 OR 4, ASK F1a.  
ELSE GO TO INSTRUCTIONS BEFORE F2.)**

F1a. Is this because...*(insert item)*?

**F1a Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. you do NOT know HOW to report it?
- b. you do NOT know WHO to report it to?
- c. you did NOT know that you COULD report it?

**(IF F1=1 OR 2, ASK F2.  
ELSE GO TO F5.)**

F2. Who would you be MOST likely to report it to? (READ LIST)

- 1 = Doctor or other health care provider
- 2 = Restaurant or place of food purchase
- 3 = Poison control
- 4 = Public health department
- 5 = or Somewhere Else (Specify): \_\_\_\_\_
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF F2<=4, ASK F3.  
ELSE GO TO INSTRUCTIONS BEFORE F4.)**

F3. Since you said that you would not report your food poisoning to the Public Health Department, is this because...(READ LIST)?

**F3 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. You didn't know that you COULD report it to the Public Health Department?
- b. You don't know HOW to report it to the Public Health Department?

**(IF F2=4, ASK F4.  
ELSE GO TO F5.)**

F4. Do you know how to report it to the Public Health Department?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

F5. Pasteurization (Pas-chuh-rih-zay-shun) is a heat treatment used to kill bacteria in milk. Most name-brand milk is pasteurized, unless marked as raw or unpasteurized. In the PAST MONTH have you eaten any homemade cheese or dairy product that was made from unpasteurized milk? [ACD]

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF F5=1, ASK F6.  
ELSE GO TO F7.)**  
F6. **(insert item)**

**F6 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize items)***

- a. Is this because you think it tastes better?
- b. Is this because you think it has health benefits?
- c. Is this because it is a natural product?

F7. People take herbal supplements and other non-vitamin supplements for a variety of reasons. By herbal supplement we mean products that have been labeled as a dietary supplement. This does NOT include drinking herbal or green tea. IN THE PAST 12 months, have you taken any herbal supplements?

(INTERVIEWER: Do NOT include vitamins unless they are a type of herbal vitamins.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(INSERT TIME STAMP)***

**HEALTH CONDITIONS**

**Display:** The next few questions are about any health conditions you may have.

Q11. Have YOU ever been told by a doctor or other health professional that YOU have...***(insert)?***

**Q11 Answer Codes**

- 1 = Yes
- 2 = No
- 3 = (VOL) Borderline Osteoporosis or Osteopenia ***(show for Q11g only)***
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. Arthritis ***(LACHS 05, 02, 99; BRFS)***
- b. Diabetes (DIE-AH-BE-TEES) or sugar diabetes ***(IF Q5=2, ADD: other than during pregnancy)" (LACHS 07, 05, 02, 99, 97; BRFS; NHIS)***
- c. High blood pressure or hypertension ***(IF Q5=2, ADD: other than during pregnancy) (LACHS 07, 05, 02, 99, REVISED; MODIFIED BRFS 2004)***
- d. High cholesterol (co-les-ter-all) ***(LACHS 07, 05, 99; BRFS 2004)***
- e. Depression or some other depressive disorder (IF NECESSARY: Such as bipolar disorder or manic depression) ***(LACHS 07, 05, 02, 99)***

***(IF Q11e=1, ASK Q12a.  
ELSE GO TO Q11f.)***

Q12a. Is that...(READ LIST)?

- 1 = Depression,
- 2 = Manic Depression/Bipolar, or

3 = Something else?  
8 = (VOL) Don't Know  
9 = (VOL) Refused

Q12b. Are you currently taking medication prescribed by a doctor or psychiatrist for this disorder? (LACHS 07, 05, 02, 99)

(IF NEEDED: DEPRESSION OR DEPRESSIVE DISORDER)

1 = Yes  
2 = No  
8 = (VOL) Don't Know  
9 = (VOL) Refused

Q12c. Are you currently receiving counseling from a mental health professional, such as a psychiatrist, psychologist, psychotherapist, social worker, or counselor for this disorder? (LACHS 07, 05, 02)

(IF NEEDED: DEPRESSION OR DEPRESSIVE DISORDER)

1 = Yes  
2 = No  
8 = (VOL) Don't Know  
9 = (VOL) Refused

Q12d. Are you currently experiencing or suffering from symptoms of this disorder?

1 = Yes  
2 = No  
8 = (VOL) Don't Know  
9 = (VOL) Refused

**(IF (Q12d=1 AND (Q12b=2 AND Q12c=2)), ASK Q12e.  
ELSE GO TO Q11f.)**

Q12e. Are you currently being treated for this disorder?

1 = Yes  
2 = No  
8 = (VOL) Don't Know  
9 = (VOL) Refused

Q11f. An anxiety, stress disorder or phobia (IF NECESSARY: This includes PTSD or Post Traumatic Stress Disorder.)

**(IF Q11f=1, ASK Q12f.  
ELSE GO TO INSTRUCTIONS BEFORE Q11g.)**

Q12f. Are you currently taking medication prescribed by a doctor or psychiatrist for this disorder?(LACHS 07, 05, 02, 99)

(IF NEEDED: Anxiety, stress disorder or phobia or PTSD)

1 = Yes  
2 = No  
8 = (VOL) Don't Know  
9 = (VOL) Refused

Q12g. Are you currently receiving counseling from a mental health professional, such as a

psychiatrist, psychologist, psychotherapist, social worker, or counselor for this disorder?  
(LACHS 07, 05, 02)

(IF NEEDED: Anxiety, stress disorder or phobia or PTSD)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q12h. Are you currently experiencing or suffering from symptoms of this disorder?

(IF NEEDED: Anxiety, stress disorder or phobia or PTSD)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q12h=1 AND (Q12f=2 AND Q12g=2)), ASK Q12i.  
ELSE GO TO INSTRUCTIONS BEFORE Q11g.)**

Q12i. Are you currently being treated for this disorder?

(IF NEEDED: Anxiety, stress disorder or phobia or PTSD)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q6=65 through 125) OR (Q6a=8) OR (Q6b=2), ASK Q11g.  
ELSE GO TO INSTRUCTIONS BEFORE Q13.)**

Q11g. Osteoporosis [OS-TEE-OH-PUR-OH-SIS]?

**(IF Q11g=2 OR 8 OR 9, ASK Q12j.  
ELSE GO TO INSTRUCTIONS BEFORE Q13.)**

Q12j. Have you ever been screened or tested for osteoporosis [OS-TEE-OH-PUR-OH-SIS]?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ((Q5=1) AND ((Q6=45 through 125) OR (Q6a=5 through 8) OR (Q6b=2))) OR ((Q5=2) AND (Q6=55 through 125) OR (Q6a=6 through 8) OR (Q6b=2))), ASK Q13.  
ELSE GO TO INSTRUCTIONS BEFORE E1.)**

Q13. Do you take aspirin DAILY OR EVERY OTHER DAY for your heart? (2002 & 2008 NYC COMMUNITY SURVEY; 2009 BRFS)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**MENTAL HEALTH QUESTIONS**

**Display:** I would now like to ask you some questions about your current physical and mental state.

**(If “subsamp”=5 (EMOTIONAL SUPPORT/CAREGIVING/EMERG PREP/ALCOHOL), ASK E1. ELSE GO TO Q14.)**

E1. How often do you get the social and emotional support you need? (2005-07 BRFSS)

(INTERVIEWER: If asked, say “please include support from any source”)

- 1 = Always,
- 2 = Usually,
- 3 = Sometimes,
- 4 = Rarely, or
- 5 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q14. Over the PAST TWO WEEKS, how often have you been bothered by...? (PHQ-2)

**(insert item).** (READ LIST)?

**Q14 Answer Codes**

- 1 = Not at all,
- 2 = Several days,
- 3 = More than half the days, or
- 4 = Nearly every day?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. Little interest or pleasure in doing things
- b. Feeling down, depressed, or hopeless

**Display:** The next questions ask about any long-term health impairments or disabilities you may have that have lasted or can be expected to last for AT LEAST 3 MONTHS.

Q15. Are you limited in any way in any activities because of a physical, mental or emotional problem? (LACHS 07, 02; CDC/NATIONAL ORGANIZATION OF DISABILITY MODIFIED; BRFSS 2006)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q15=1, ASK Q15a.**

**ELSE GO TO Q16.)**

Q15a. Is this...(READ LIST)?

- 1 = A physical problem,
- 2 = An emotional/mental problem, or
- 3 = Both?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused



Q16. Do you now have any health problem that requires you to use special equipment, such as a cane, wheelchair, a special bed or special telephone? (LACHS 07, 02; NHIS/LACHS 99; BRFSS 2006)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q15=2 OR 8 OR 9) AND (Q16=2 OR 8 OR 9), ASK Q16a.  
ELSE GO TO Q17.)**

Q16a. Do you consider yourself a person with a disability? (LACHS 07, 02; CDC/ NATIONAL ORGANIZATION OF DISABILITY)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

### **EMPLOYMENT AND DAILY ACTIVITIES**

**Display:** Next, we are asking about your current employment situation and daily activities

Q17n. Are you currently employed full-time – at least 35 hours a week, employed part-time, employed but NOT currently working due to a disability, or not currently employed at all? (LACHS 07, 05)

- 1 = Employed Full-time
- 2 = Employed Part-time
- 3 = Employed but NOT working due to disability
- 4 = Not currently employed
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q17. Please tell me all that apply to you. Are you...(READ LIST; MULTIPLE RECORD) (LACHS 07, 05; FIELD)

**(Programmer: IF Q17n=1 or 2 or 3, show codes 1, 2, 3 and 8.  
IF Q17n=3 4, show codes 3, 4, 5, 6, 7 and 8.  
IF Q17n=8 OR 9, show all codes.)**

- 1 = self-employed or working for a business owned by your family,
- 2 = are you employed for pay by some other organization,
- 3 = are you **(IF Q17n=1 OR 2 or 3, insert: also)** looking for work,
- 4 = are you a homemaker or keeping house,
- 5 = are you retired from the labor force,
- 6 = are you unable to work because of a disability,
- 7 = are you not looking for work, or
- 8 = are you **(IF Q17n=1 OR 2 or 3, insert: also)** a student?
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

**(IF Q17=6, ASK Q17a.  
ELSE GO TO INSTRUCTIONS BEFORE Q17b.)**

Q17a. You said that you are unable to work because of a disability. Is this due to a...(READ LIST)?

- 1 = Physical disability,
- 2 = A mental/emotional disability, or
- 3 = Both?

8 = (VOL) Don't Know  
 9 = (VOL) Refused

**(IF Q17n=1 OR 2 OR 3, ASK Q17b.  
 ELSE GO TO INSTRUCTIONS BEFORE C1.)**

Q17b. **(IF Q17n=3, inert:** "When you are working...") How many hours do you work in a typical week (at all of your paying jobs)? (READ CATEGORIES IF NECESSARY) (LACHS 07, 05)

1 = Less than 20 hours  
 2 = 20 to 34 hours  
 3 = 35 or more hours  
 8 = (VOL) Don't Know  
 9 = (VOL) Refused

Q17c. Have you had to decrease your working hours or has your employer or boss decreased your working hours in the past 2 years?

1 = Yes  
 2 = No  
 3 = (VOL) Have NOT been working for the past 2 years (**show only if Q17n=3**)  
 8 = (VOL) Don't Know  
 9 = (VOL) Refused

**(If "subsamp"=5 (EMOTIONAL SUPPORT/CAREGIVING/EMERG PREP/ALCOHOL), ASK C1 through C1a.  
 ELSE GO TO Q18.)**

**Display:** People may provide regular care or help to another adult who is aging or has a long-term illness or disability. This person you are providing care to may be someone who lives with you or lives somewhere else.

C1. During the past month, did you provide any such care or assistance to an adult who is aging or has a long-term illness or disability? (lachs 07 adult; brfss 2006)

1 = Yes  
 2 = No  
 8 = (VOL) Don't Know  
 9 = (VOL) Refused

**(IF C1=1, ASK C1a.  
 ELSE GO TO Q18.)**

C1a. Does this person have a problem with memory loss or have a disorder like Alzheimer's (alls-hi-mers) disease? (lachs 07 adult; combined, brfss and health and retirement study)

1 = Yes  
 2 = No  
 8 = (VOL) Don't Know  
 9 = (VOL) Refused

**Display:** The next few questions are about 2 types of exercise or activities...VIGOROUS and MODERATE exercise.

VIGOROUS exercises or activities are those that require hard physical effort and cause heavy sweating and large increases in breathing and heart rate (for example, running or aerobics).

Q18. In a usual week, do you do VIGOROUS EXERCISE OR ACTIVITIES for at least 10 minutes at a time without stopping? **(If Q17n=1 OR 2, read: This can include vigorous activity you do while at work.)**  
(LACHS 07, 05, 02, 99)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q18=1, ASK Q18a.  
ELSE GO TO Q19.)**

Q18a. How many days per week do you do such VIGOROUS EXERCISE OR ACTIVITIES for at least 10 minutes without stopping? (LACHS 07, 05, 02, 99)

\_\_\_\_\_ # of Days (RANGE=1 through 7; 8=(VOL) Don't Know; 9=(VOL) Refused)

Q18b. On an average day when you do these VIGOROUS ACTIVITIES for at least 10 minutes at a time, how much TOTAL time do you spend doing these activities? (LACHS 07, 05, 02, 99)

(INTERVIEWER: Total time when breathing and heart rate are increased. Only add up the times when respondent did these activities for 10 minutes or more.)

\_\_\_\_\_ # of Minutes (RANGE=10 through 997; 998=(VOL) Don't Know;  
999=(VOL) Refused)

**(IF Q18b=600 through 997, ASK Q18v.  
ELSE GO TO Q19.)**

Q18v. I just want to confirm that you perform vigorous activities for **(insert from Q18b)** minutes on an average day during the week. This is a total of about **((insert from Q18b)/60)** hours per day. Is this correct, or did I incorrectly enter your response.

- 1 = Total is CORRECT
- 2 = Total is NOT correct

**(IF Q18v=1, GO TO Q19.  
ELSE GO BACK AND RE-ASK Q18b.)**

**Display:** Next, we are asking about MODERATE exercises or activities, those that cause light sweating, and slight increases in breathing and heart rate (for example, walking, yard work or physical labor at work).

Q19. In a usual week, do you WALK OR DO MODERATE EXERCISE OR ACTIVITIES for at least 10 minutes at a time without stopping? This can include moderate activity at **(If Q17n=1 OR 2, read: "work or")** home, for recreation or exercise. (LACHS 07, 05, 02)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q19=1, ASK Q19a.  
ELSE GO TO Q20.)**

Q19a. How many days per week do you WALK OR DO MODERATE EXERCISE OR PHYSICAL ACTIVITIES for at least 10 minutes without stopping? (LACHS 07, 05, 02)

\_\_\_\_\_ # of Days (RANGE=1 through 7; 8=(VOL) Don't Know; 9=(VOL) Refused)

Q19b. On an average day when you WALK OR DO MODERATE EXERCISE OR PHYSICAL ACTIVITIES for at least 10 minutes without stopping, how much TOTAL time do you spend doing these activities? (LACHS 07, 05, 02)

(INTERVIEWER: Total time when breathing and heart rate are increased. Only add up the times when respondent did these activities for 10 minutes or more.)

\_\_\_\_ # of Minutes (RANGE=10 through 997; 998=(VOL) Don't Know; 999=(VOL) Refused)

**(IF Q19b=600 through 997, ASK Q19v.  
ELSE GO TO INSTRUCTIONS BEFORE Q19v2.)**

Q19v. I just want to confirm that you perform moderate activities for *(insert from Q19b)* minutes on an average day during the week. This is a total of about *((insert from Q19b)/60)* hours per day. Is this correct, or did I incorrectly enter your response.

1 = Total is CORRECT  
2 = Total is NOT correct

**(IF Q19v=1, GO TO INSTRUCTIONS BEFORE Q19v2.  
ELSE GO BACK AND RE-ASK Q19b.)**

**(IF (Q18v=1 AND Q19v=1), GO TO Q20.  
IF SUM OF Q18b AND Q19b IS GREATER THAN OR EQUAL TO 600, ASK Q19v2.  
ELSE GO TO Q20.)**

Q19v2. I just want to confirm that you perform vigorous AND moderate activities for *(insert sum of Q19b & Q20b)* minutes on an average day during the week. This is a total of about *(insert ((sum of Q18b & Q19b)/60))* hours per day. Is this correct, or did I incorrectly enter one or both of your responses.

(IF NEEDED:

-- VIGOROUS ACTIVITY = *(insert from Q18b)* minutes  
-- MODERATE ACITIVITY = *(insert from Q19b)* minutes)

1 = Total is CORRECT  
2 = Total is NOT correct

**(IF Q19v2=1, GO TO Q20.  
ELSE GO BACK AND RE-ASK Q18b.)**

Q20. In a usual week on how many days do you do activities designed to increase muscle strength or tone, such as lifting weights or doing calisthenics that work all major muscle groups - legs, hips, back, stomach, chest, shoulder, and arms? This can include activities at *(If Q17n=1 OR 2, read: "work or")* home for recreation or exercise. (LACHS 02, modified; NHIS 2010, modified)

\_\_\_\_ # of Days (RANGE=0 through 7; 8=(VOL) Don't Know; 9=(VOL) Refused)

Q21. In the PAST 12 MONTHS, have you ridden a bicycle? This does not include a stationary bike.

1 = Yes  
2 = No  
8 = (VOL) Don't Know  
9 = (VOL) Refused

**(IF Q21=1, ASK Q21a.  
ELSE GO TO Q22.)**

Q21a. In the PAST 12 MONTHS, how often have you ridden a bicycle? This does not include a stationary bike. Would you say...(READ LIST)? [\(NYCCHS 2007\)](#)

- 1 = Several times a month,
- 2 = At least once a month, or
- 3 = A few times a year?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**Display:** Next, I will ask about your neighborhood.

Q22. Do you use walking paths, parks, playgrounds, or sports fields in your neighborhood? Would you say...(READ LIST)? [\(NYC 2006\)](#)

- 1 = Yes,
- 2 = No, or
- 3 = My neighborhood does not have these facilities?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q22=1 or 2, ASK Q22a.  
ELSE GO TO INSTRUCTIONS BEFORE SS7.)**

Q22a. How safe is it to walk or to use the parks, playgrounds, and sports field in your neighborhood? Would you say it is...(READ LIST)? [\(NYC 2006, MODIFIED\)](#)

- 1 = Very safe,
- 2 = Somewhat safe,
- 3 = Somewhat unsafe, or
- 4 = Very unsafe?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF "subsamp"=1 (STREET VENDORS/SALMONELLA/ARTS), ASK SS7.  
ELSE GO TO INSTRUCTIONS BEFORE H1.)**

**Display:** The next questions are about some activities that you might enjoy **(IF Q17=1 OR 2 OR 3, add, "outside of your work.")**.

SS7. In the PAST MONTH, have you...**(insert item)**?

[INTERVIEWER: If Resp performs/creates art professionally, have them count ONLY those activities NOT done for payment.]

**SS7 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. participated in an arts, culture, or theater group, book club, or participated in music, arts and crafts, or dancing, where you yourself were making music, art, or dancing?
- b. participated in or attended performances, art shows, museums, festivals or other cultural events related to you or your family's ethnic heritage or ancestry?

**(IF “subsamp”=3 (HEALTHY HOMES/NEIGHBORHOODS), ASK H1 through H5.  
ELSE GO TO INSTRUCTIONS BEFORE P1.)**

H1. How safe from crime do you consider your neighborhood to be...(READ LIST)? (adult lachs 07, 05, 02, 99; brfss)

- 1 = Very Safe,
- 2 = Somewhat Safe,
- 3 = Somewhat Unsafe, or
- 4 = Very Unsafe?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

H2. How much graffiti or vandalism do you see in your neighborhood? Would you say...(READ LIST)?

- 1 = a lot,
- 2 = some,
- 3 = a little, or
- 4 = none?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

H3. How much trash and litter do you see in the streets or on properties in your neighborhood? Would you say...(READ LIST)?

- 1 = a lot,
- 2 = some,
- 3 = a little, or
- 4 = none?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

H4. Is there adequate lighting around buildings and on streets in your neighborhood?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

H5. Are the streets and sidewalks well-maintained in your neighborhood?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF “subsamp”=8 (CHILD POLICY), ASK P1 through P7.  
ELSE GO TO Q23.)**

**Display:** Please tell me if you agree or disagree with each of the following statements about young children.

P1. **(insert item)** Do you...(READ LIST)?

**P1 Answer Codes**

- 1 = Agree, or
- 2 = Disagree?
- 8 = (VOL) Don't Know

9 = (VOL) Refused

**(Randomize items)**

- a. Children who go to pre-school will do better in later grades than those who don't go to preschool.
- b. It is important for children to attend pre-kindergarten.
- c. It is the government's responsibility to fund pre-kindergarten schools.

P2. Have you ever heard of the organization Los Angeles Universal Preschool or LA-UP? (LACHS 07 child)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

P3. Have you ever heard of an organization called First Five L-A?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF P3=1, ASK P4.  
ELSE GO TO P6.)**

P4. From which of the following sources have you heard something about First Five L-A?  
(READ LIST; MULTIPLE RECORD)

- 1 = TV or radio,
- 2 = Newspaper,
- 3 = Your doctor, a social worker, other health professional, or community health worker, or promotora
- 4 = Family or friends,
- 5 = School or community organizations, or
- 6 = Some other place?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

P5. To the best of your knowledge, which of the following things do you associate with First Five L-A?

**(insert item)** Do you associate this with First Five L-A?

**P5 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. Children's health insurance
- b. Pre-school
- c. Telephone help line
- d. Sporting goods
- e. Children's clothing

f. Eating fruits and vegetables

P6. Have you ever heard of 2-1-1, Los Angeles County's telephone information line, where you can access Health and Human Service Programs, 24 hours a day, 7 days a week? (LACHS adult 07, 05; Disaster Preparedness Survey)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF P6=1, ASK P7.  
ELSE GO TO Q23.)**

P7. Have you yourself ever called 2-1-1?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**HEALTH INSURANCE**

**Display:** Next, I will ask about health insurance.

Q23. Are YOU YOURSELF covered by health insurance or any other kind of health care plan? (LACHS 07, 05, 02, 99, 97)

(IF NECESSARY, SAY: This includes health insurance obtained through an employer, purchased directly, HMOs or pre-paid plans like Kaiser (KY-ZER), government programs such as Medicare, Medi-Cal, Medicaid, Healthy Families, military programs such as Champus, Champ VA, or the Indian Health Service.)

- 1 = Yes, Covered
- 2 = No, NOT Covered
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q23=1 OR 8 OR 9, ASK Q24 series.  
ELSE GO TO INSTRUCTIONS BEFORE Q25a.)**

Q24. Are YOU YOURSELF currently covered for health insurance...*(insert item)*? (LACHS 07, 05, 02 MODIFIED, 99, 97)

**Q24a-e Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**ASK Q24a.** **(IF ((Q6=65 through 125) OR (Q6a=8) OR (Q6b=2)) OR (Q15=1 OR Q16=1 OR Q16a=1,**

**ELSE GO TO Q24b.)**

a. under MEDICARE (IF NECESSARY, SAY: Medicare is the government's health insurance program for seniors and certain persons with disabilities)



- b. through your own or some other family member's EMPLOYER, UNION, TRADE ASSOCIATION, SCHOOL OR BUSINESS.
- c. under your own or some other family member's MILITARY INSURANCE PROGRAM (like Champus or VA coverage).
- d. under MEDI-CAL or MEDICAID. (IF NECESSARY, SAY: the government's health insurance program for certain low-income children and their families, pregnant women, and certain persons who are disabled or who are seniors)

**(IF Q24a through Q24d ARE ALL NOT "YES", ASK Q24e.  
ELSE GO TO INSTRUCTIONS BEFORE Q25a.)**

- e. through a SEPARATE POLICY that you or some other family member bought DIRECTLY FROM AN INSURANCE PROVIDER.

**(IF Q24a through Q24e ARE ALL NOT "YES", ASK Q24f.  
ELSE GO TO INSTRUCTIONS BEFORE Q25a.)**

- f. What is the type or name of your insurance? (LACHS 07, 05)

- 1 = Gave Response
- 2 = (VOL) NOT Insured
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q23=2, ASK Q25 series.**

**ELSE GO TO INSTRUCTIONS BEFORE Q25f.)**

Q25. There are some types of coverage you may NOT have considered. Are YOU YOURSELF currently covered for health insurance... (insert item)? (LACHS 07, 05, 02)

**Q25a-e Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ((Q6=65 through 125) OR (Q6a=8) OR (Q6b=2)) OR (Q15=1 OR Q16=1 OR Q16a=1, ASK Q25a.  
ELSE GO TO Q25b.)**

- a. under MEDICARE (IF NECESSARY, SAY: Medicare is the government's health insurance program for seniors and certain persons with disabilities)
- b. through your own or some other family member's EMPLOYER, UNION, TRADE ASSOCIATION, SCHOOL OR BUSINESS.
- c. under your own or some other family member's MILITARY INSURANCE PROGRAM (like Champus or VA coverage).
- d. under MEDI-CAL or MEDICAID. (IF NECESSARY, SAY: the government's health insurance program for certain low-income children and their families, pregnant women, and certain persons who are disabled or who are seniors)

**(IF Q25a through Q25d ARE ALL NOT "YES", ASK Q25e.  
ELSE GO TO INSTRUCTIONS BEFORE Q25f.)**

- e. through a SEPARATE POLICY that you or some other family member bought DIRECTLY FROM AN INSURANCE PROVIDER.

**(IF ((Q6=18 through 49) OR (Q6a=1 through 5)) AND (Q24a through Q24f ARE ALL NOT "1") OR (Q25a through Q25e ARE ALL NOT "1"), ASK Q25f.**

**ELSE GO TO INSTRUCTIONS BEFORE Q26.)**

Q25f. Are you currently covered under FAMILY PACT?

[IF NEEDED: Family PACT is the California program that provides free, comprehensive family planning services to eligible low-income men and women. If you are enrolled in the program, you would have a green F-PACT card.]

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ((ANY Q24a through Q24e=1) OR (Q24f=1))OR (ANY Q25a through Q25e=1), ASK Q26. ELSE GO TO Q27.)**

Q26. During the PAST 12 MONTHS, have you had any periods when you had no health insurance and you were not covered under anyone else's plan or government health insurance program, like Medicare or Medi-Cal? (LACHS 07, 05, 02, 97)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**BARRIERS TO ACCESSING HEALTH CARE**

Q27. Overall, how easy or difficult is it for you to get medical care when you need it? Would you say it is...(READ LIST)? (LACHS 07, 05, 02, 99, 97)

- 1 =Very difficult,
- 2 = Somewhat difficult,
- 3 = Somewhat easy, or
- 4 = Very easy?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q28. In the PAST 12 MONTHS have you tried to get MENTAL health care?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q28=1, ASK Q28a. ELSE GO TO Q29.)**

Q28a. Overall, how easy or difficult is it for you to get MENTAL health care when you need it? Would you say It is ...(READ LIST)?

- 1 = Very difficult,
- 2 = Somewhat difficult,
- 3 = Somewhat easy, or
- 4 = Very easy?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF INTERVIEW CONDUCTED IN ENGLISH, GO TO Q29.**

**ELSE ASK Q28b.)**

Q28b. During the PAST YEAR, was there ever a time when you had trouble speaking to a doctor or other health care provider about your mental health because he or she did not speak your language?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q29. During the PAST 5 YEARS, did you need or want treatment or counseling for an alcohol or drug problem, excluding tobacco? (2008 NATIONAL SURVEY ON DRUG USE AND HEALTH; MODIFIED)

(If Necessary, say: This could include alcohol, prescription medications, marijuana, cocaine or some other controlled substance.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q29=1, ASK Q29a.  
ELSE GO TO Q30.)**

Q29a. Did you get treatment?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q30. In the PAST YEAR, was there ever a time when you needed (*insert item*) but didn't get it because you could not afford it? (LACHS 07, 05, 02, 99, 97)

**Q30 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. prescription medicine
- b. mental health care or counseling
- c. to see a doctor for a health problem
- d. dental care (including check-ups)

Q31. When you are sick or want advice about your health, is there one particular place or health provider to whom you go most often? (LACHS 07, 05, 02, 99, 97)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q31=2 OR 8 OR 9, ASK Q31a.  
ELSE GO TO Q32.)**

Q31a. Is that because you have more than one place to go, or is it because you have no regular place to go? (LACHS 07, 05, 02, 99, 97)

- 1 = More than 1 place
- 2 = No place to go
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q31a=1 OR 8 OR 9, ASK Q31b.  
ELSE GO TO Q32.)**

Q31b. Is there a particular place that you go more often than any other place for your routine care? (LACHS 07, 05, 02, 99, 97)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q32. About how long has it been since you last saw a doctor, nurse, or other health care professional for any reason? (READ LIST)?

- 1 = Less than 12 months,
- 2 = 1 year but less than 2 years,
- 3 = 2 years but less than 5 years,
- 4 = 5 or more years, or
- 5 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q33. How long has it been since you last visited a dentist or dental clinic for any reason – less than twelve months, 1 year but less than 2 years ago, 2 years but less than 5 years ago, 5 or more years ago, or never? Please include visits to orthodontists (ORTH-O-DON-TISTS), dental hygienists (HI-GEN-ISTS), or other dental specialists. (LACHS 07, 99)

- 1 = Less than 12 months,
- 2 = 1 year but less than 2 years,
- 3 = 2 years but less than 5 years,
- 4 = 5 or more years, or
- 5 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q34. Do you have any kind of dental insurance coverage that pays for some or all of your routine dental care? (LACHS 07, 99)

(IF NECESSARY, SAY: This would include dental insurance, pre-paid plans such as HMOs or government plans such as Medi-Cal or Medicaid.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q5=2, ASK Q35.**

**ELSE GO TO INSTRUCTIONS BEFORE Q36.)**

Q35. Have you had a hysterectomy (HIS-TER-RECK-TA-ME)?

(IF NECESSARY, SAY: That is the surgical removal of the uterus (YOU-TER-US).)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q35=2 OR 8 OR 9, ASK Q35a.**

**ELSE GO TO INSTRUCTIONS BEFORE Q36.)**

Q35a. How long has it been since you had your last Pap smear? Was it... (READ LIST)?

(IF NECESSARY, SAY: This is a scraping from the cervix (SIR-VIX) administered to you by a doctor, nurse or other health professional.)

- 1 = Less than 2 years ago,
- 2 = 2 years but less than 3 years,
- 3 = 3 years but less than 5 years,
- 4 = 5 or more years ago, or
- 5 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q5=2) AND ((Q6=40 through 125) OR (Q6a=4 OR 5 OR 6 OR 7 OR 8) OR (Q6b=2)), ASK Q36.**

**ELSE GO TO Q37.)**

Q36. A mammogram is an X-ray of each breast to look for breast cancer. How long has it been since your last mammogram? Was it... (READ LIST)?

- 1 = Less than 12 months ago,
- 2 = 1 year but less than 2 years,
- 3 = 2 years but less than 5 years,
- 4 = 5 or more years ago, or
- 5 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

### **VACCINATIONS**

Q37. Since October 2009, did you get a shot or nasal spray specifically for the swine or H1N1 flu?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q38. During the PAST 12 MONTHS, have you had a regular seasonal flu shot or the flu mist? (LACHS 07, 05, 02 MODIFIED, 99)

(IF NECESSARY: We want to know if you had a flu shot injected in your arm or the vaccine sprayed in the nose.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q6=65 through 125) OR (Q6a=8) OR (Q6b=2), ASK Q39.  
ELSE GO TO Q40.)**

Q39. Have you ever had a pneumonia (NEW-MO-NE-AH) shot? This shot is usually given only once or twice in a person's lifetime and is different from the flu shot. (LACHS 07, 05, 02, 99; BRFS)

(IF NECESSARY: It is also called the pneumococcal (NEW-MO-CAH-CUL) vaccine.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q40. During the PAST 12 MONTHS, did you get sick with the flu – that is, did you have a fever ALONG with body aches AND either a sore throat and/or a cough?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q40=1, ASK Q40a.  
ELSE GO TO INSTRUCTIONS BEFORE Q40b.)**

Q40a. During the PAST 12 MONTHS, did you do any of the following because of the swine flu or H1N1 flu? (READ LIST; MULTIPLE RECORD)

- 1 = Washed hands to reduce spreading the flu
- 2 = Coughed in elbow
- 3 = Went to a doctor
- 4 = Stayed home from work or school
- 5 = Avoided contact with others
- 6 = (VOL) None of these
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q40=2, ASK Q40b.  
ELSE GO TO Q41.)**

Q40b. During the PAST 12 MONTHS, did you do any of the following because of the swine flu or H1N1 flu? (READ LIST; SINGLE RECORD)

(IF NEEDED: EVEN IF YOU DIDN'T HAVE THE FLU, WE WANT TO KNOW IF YOU DID ANY OF THESE THINGS TO AVOID GETTING IT.)

- 1 = Washed hands to reduce spreading the flu
- 2 = Coughed in elbow
- 3 = Both of these

- 4 = (VOL) None of these
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q41. Since October 2009, have you seen or heard any public health advertising – including billboards, web-based ads, television, radio or newspaper ads – that provided information about the importance of getting the H1N1 vaccine?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q41=1, ASK Q41a.  
ELSE GO TO INSTRUCTIONS BEFORE Q42.)**

Q41a. Would you say you saw or heard this advertising...(READ LIST)?

- 1 = Very frequently,
- 2 = Somewhat frequently,
- 3 = Not very frequently, or
- 4 = Not at all frequently?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ((Q5=1) AND ((Q6=18 through 26) OR (Q6a=1))) OR ((Q5=2) AND ((Q6=18 through 30) OR (Q6a=1 OR 2))), ASK Q42. ELSE GO TO Q43.)**

**Display:** Human papilloma (PAP-ILL-OH-MAH) virus ( VY-RUS), also called HPV, is a common sexually transmitted infection known to cause cervical cancer in women. A vaccine to prevent HPV infection is available and is called the cervical cancer vaccine, or HPV shot.

Q42. Before today, had you ever heard of a vaccine to prevent HPV and cervical cancer? [\(LACHS 07; PROJECT CONNECT\)](#)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q42=1, ASK Q42a.  
ELSE GO TO Q43.)**

Q42a. Have you received any HPV shots? [\(LACHS 07\)](#)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q42a=1, ASK Q42b.  
ELSE GO TO Q43.)**

Q42b. Did you receive or are you planning on getting all 3 doses or shots?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**TOBACCO QUESTIONS**

**Display:** On another topic...

Q43. Have you smoked at least 100 cigarettes in your entire life? (LACHS, TUSCS-CPS, CATS, BRFSS, NHIS)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q44. Do you now smoke cigarettes...(READ LIST)? (TUSCS-CPS, CATS, BRFSS, NHIS)

- 1 = Every day,
- 2 = Some days, or
- 3 = Not at all?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q45. Do you currently smoke cigars, a pipe, a hookah or water pipe, electronic cigarettes or use smokeless tobacco, such as chew, dip, snuff, or snus (SNOOZE)? (ANSWER CAN BE A MULTIPLE "YES")

(INTERVIEWER: IF JUST SAYS "YES," PROBE EACH ITEM AND RECORD EACH "YES".)

- 1 = No
- 2 = Yes, Cigars
- 3 = Yes, Pipe
- 4 = Yes, Hookah/Water Pipe
- 5 = Yes, Smokeless Tobacco (chew, dip, snuff, snus)
- 6 = Yes, Electronic Cigarettes
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q43=2 OR 8 OR 9) AND (Q44=3 OR 8 OR 9) AND (Q45=1 OR 8 OR 9), GO TO Q52.)**

**(IF Q44=1, ASK Q46a.**

**ELSE GO TO INSTRUCTIONS BEFORE Q47a.)**

Q46a. On the average, about how many cigarettes do you now smoke each day?

(ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT)

\_\_\_\_\_ # of Cigarettes/day (RANGE=1 through 97; 97=97 or more; 98= Don't Know; 99=Refused)

Q46b. What is the total number of years you have smoked every day? Do not include any time you stayed off cigarettes for 6 months or longer. (TUSCS-CPS)

\_\_\_\_\_ # of Years (RANGE=1 through 125; 1=1 year or less; 998= Don't Know; 999=Refused)

**(Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT Q6/Q6a.)**

**(IF Q44=2, ASK Q47a.**

**ELSE GO TO INSTRUCTIONS BEFORE Q48a.)**



Q47a. On how many of the PAST 30 DAYS did you smoke a cigarette? (LACHS, TUSCS-CPS, CATS)

\_\_\_\_\_ # of Days (RANGE=1 through 30; 98= Don't Know; 99=Refused)

Q47b. During the PAST 30 DAYS, on the days that you smoked, about how many cigarettes did you smoke per day? (LACHS, TUSCS-CPS, CATS)

(1 PACK = 20 CIGARETTES)

\_\_\_\_\_ # of Cigarettes/day (RANGE=1 through 97; 97=97 or more; 98= Don't Know; 99=Refused)

Q47c. Have you ever smoked cigarettes EVERY DAY for AT LEAST 6 MONTHS? (TUSCS-CPS)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q47d. About how long has it been since you last smoked cigarettes every day? (MULTIPLE RECORD) (TUSCS-CPS)

- 1 = Gave answer in days (RANGE=1 to 6)
- 2 = Gave answer in weeks (RANGE=1 to 3)
- 3 = Gave answer in months (RANGE=1 to 11)
- 4 = Gave answer in years (RANGE=1 to 125) (*Programmer: ANSWER CANNOT EXCEED AGE*)

GIVEN AT Q6/Q6a.)

- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q44=1 OR 2, ASK Q48a.**

**ELSE GO TO INSTRUCTIONS BEFORE Q49.)**

Q48a. During the PAST 7 DAYS, on how many days did you smoke in your home? (LACHS)

\_\_\_\_\_ # of Days (RANGE=1 through 7; 8= Don't Know; 9=Refused)

Q48b. How old were you when you first started to smoke cigarettes fairly regularly? (LACHS, TUSCS-CPS, NHIS)

\_\_\_\_\_ Enter Age (RANGE=1 through 125; 998= Don't Know; 999=Refused)

**(Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT Q6/Q6a.)**

Q48c. How much money do you spend IN A TYPICAL WEEK on cigarettes? Just your best estimate to the nearest dollar amount.

- 1 = Gave Response (RANGE=0 through 200; 0=Less than 1 dollar; 200=200 dollars or more)
- 2 = Don't buy / Get from friends
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q48d. Around this time 12 MONTHS AGO, were you smoking cigarettes...(READ LIST)? (TUSCS-CPS, CATS)

- 1 = Every day,
- 2 = Some days, or
- 3 = Not at all?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q48e. Do you now smoke a light cigarette?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q48e=1, ASK Q48f.  
ELSE GO TO Q48h.)**

Q48f. Have you always smoked lighter cigarettes or did you switch from a stronger to a lighter cigarette?

- 1 = Always smoked a lighter cigarette
- 2 = Switched to a lighter cigarette
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q48f=2, ASK Q48g.  
ELSE GO TO Q48h.)**

Q48g. Did you switch from a stronger to a lighter cigarette because you thought it is less harmful?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q48h. Are you seriously thinking of quitting smoking cigarettes? (ASHES)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q48h=1 OR 8 OR 9, ASK Q48i.  
ELSE GO TO Q48j.)**

Q48i. How soon are you seriously planning to quit smoking cigarettes? Would you say...(READ LIST)? (ASHES)

- 1 = Within the next 30 days,
- 2 = More than 30 days but within the next 6 months,
- 3 = More than 6 months but within the next 12 months, or
- 4 = No specific time?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q48j. On a typical day that you smoke, how soon after you wake up do you smoke? Would you say...(READ LIST)?

(ASHES, LACHS, TUSCS-CPS, CATS)

- 1 = Within 5 minutes,
- 2 = From 6 to 30 minutes,
- 3 = More than 30 minutes to an hour, or
- 4 = More than an hour?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q48k. If you decided to give up smoking cigarettes altogether, how likely do you think you would be to succeed? Would you say...(READ LIST)? (ASHES)

- 1 = Very likely,
- 2 = Somewhat likely,
- 3 = Somewhat unlikely, or
- 4 = Very unlikely?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q48l. During the PAST 12 MONTHS, have you stopped smoking for one day or longer because you were trying to quit smoking? (TUSCS-CPS, CATS)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q48l=1 OR 8 OR 9, ASK Q48m.  
ELSE GO TO INSTRUCTIONS BEFORE Q49.)**

Q48m. How many times during the PAST 12 MONTHS have you stopped smoking for one day or longer because you were trying to quit smoking? (TUSCS-CPS)

\_\_\_\_\_ # of Times (RANGE=1 through 365; 998=Don't Know; 999=Refused)

Q48n. Thinking back to the last time you tried to quit smoking, how long did you go without smoking cigarettes?  
(MULTIPLE RECORD)

- 1 = Gave answer in days (RANGE=1 to 6)
- 2 = Gave answer in weeks (RANGE=1 to 3)
- 3 = Gave answer in months (RANGE=1 to 11)
- 4 = Gave answer in years (RANGE=1 to 125) (*Programmer: Answer cannot exceed age*)
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

*given at Q6/Q6a.)*

Q48o. The last time you tried to quit smoking in the PAST 12 MONTHS, did you do any of the following?  
(TUSCS-CPS)

**(insert item).** Did you do this?

**Q48o series Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

a. Sought help or support from friends or family

- b. Consulted anti-smoking materials on the Internet, or from books, pamphlets, videos, or other materials
- c. Called a telephone help line or quit line
- d. Attended group counseling or one-on-one counseling
- e. Tried to quit by gradually cutting back on cigarettes
- f. Used nicotine replacement products, such as gum, the patch or lozenges
- g. Used a prescription pill such as Zyban (ZY-BAN), Bupropion (BOO-PRO-PE-ON), Wellbutrin (WELL-BOO-TRIN), Varenicline (VAR-EN-IK-LINE) or Chantix (CHAN-TIX)
- h. Switched to a lighter cigarette

Q48p. The last time you tried to quit smoking in the PAST 12 MONTHS, did you try to give up cigarettes by quitting "cold turkey" or all at once?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q44=1 OR 2) AND (Q32=1 OR Q33=1), ASK Q49.  
ELSE GO TO INSTRUCTIONS BEFORE Q50.)**

Q49. During the PAST 12 MONTHS, did any doctor, dentist, nurse or other health professional advise you to quit smoking? (TUSCS-CPS, LACHS)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q49=1, ASK Q49a.  
ELSE GO TO INSTRUCTIONS BEFORE Q50.)**

Q49a. Was it a...(READ LIST; MULTIPLE RECORD)?

- 1 = Doctor,
- 2 = Dentist,
- 3 = Nurse, or
- 4 = Other health care professional?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q49a=8 OR 9, GO TO INSTRUCTIONS BEFORE Q50.  
ELSE ASK Q49b FOR EACH MENTION OF CODES 1 through 4 FROM Q49a.)**

Q49b. During the PAST 12 MONTHS, when a (insert from Q49a) advised you to quit smoking cigarettes, did they prescribe or recommend a nicotine replacement product such as a patch, gum, lozenge, nasal spray, an inhaler, or pills such as Zyban or Chantix? (HLATS)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q43=1 AND Q44=3, ASK Q50.  
ELSE GO TO INSTRUCTIONS BEFORE Q51.)**

Q50. How old were you when you first started to smoke cigarettes fairly regularly? (LACHS, TUSCS-CPS, NHIS)

\_\_\_\_\_ Enter Age (RANGE=0 through 125; 0=Never; 998= Don't Know; 999=Refused)

**(Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT Q6/Q6a.)**

**(IF Q50=1 through 999, ASK Q50a.  
ELSE GO TO Q50d.)**

Q50a. Have you ever smoked cigarettes daily, that is at least 1 cigarette every day for 30 days in a row? (ASHES)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q50a=1, ASK Q50b.  
ELSE GO TO Q50d.)**

Q50b. When you last smoked every day, on the average, about how many cigarettes did you smoke EACH day? (TUSCS-CPS, NHIS)

(ONE PACK USUALLY EQUALS 20 CIGARETTES)

\_\_\_\_\_ # of Cigarettes/day (RANGE=1 through 97; 97=97 or more; 98= Don't Know; 99=Refused)

Q50c. Altogether, about how many years did you smoke EVERY DAY? Do not include any time you stayed off cigarettes for 6 months or longer. (TUSCS-CPS)

\_\_\_\_\_ # of Years (RANGE=1 through 125; 1=1 year or less; 998= Don't Know; 999=Refused)

**(Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT Q6/Q6a.)**

Q50d. Around this time 12 MONTHS AGO, were you smoking cigarettes...(READ LIST)? (TUSCS-CPS, CATS)

- 1 = Every day,
- 2 = Some days, or
- 3 = Not at all?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q50e. About how long has it been since you completely quit smoking cigarettes? (MULTIPLE RECORD) (TUSCS-CPS REVISED)

- 1 = Gave answer in years (RANGE=1 to 125) (Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT Q6/Q6a.)
- 2 = Gave answer in months (RANGE=1 to 11)
- 3 = Gave answer in weeks (RANGE=1 to 3)
- 4 = Gave answer in days (RANGE=1 to 6)
- 5 = (VOL) Does NOT Consider him/herself to be a smoker
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q50e < 16 years, ASK Q50f.  
ELSE GO TO INSTRUCTIONS BEFORE Q51.)**

Q50f. DURING THE YEAR before you quit smoking completely, how soon after you woke up did you smoke? Would you say...(READ LIST)?

- 1 = Within 5 minutes;
- 2 = 6 to 30 minutes,
- 3 = 31 to 60 minutes,

- 4 = More than 1 hour?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q50g. DURING THE YEAR before you quit smoking completely, did any doctor, dentist, nurse or other health professional advise you to quit smoking?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q50g=1, ASK Q50h.  
ELSE GO TO Q50j.)**

Q50h. Was it a...(READ LIST; MULTIPLE RECORD)?

- 1 = Doctor,
- 2 = Dentist,
- 3 = Nurse, or
- 4 = Other health care professional?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q50h=8 or 9, GO TO Q50j.**

**ELSE ASK Q50i FOR EACH MENTION OF CODES 1 through 4 FROM Q50h.)**

Q50i. DURING THE YEAR before you quit smoking completely, when a **(insert from Q50h)** advised you to quit smoking cigarettes, did they prescribe or recommend a nicotine replacement product such as a patch, gum, lozenge, nasal spray, an inhaler, or pills such as Zyban or Chantix?  
**(HLATS)**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q50j. DURING THE YEAR before you quit smoking completely, did you smoke a light cigarette?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q50j=1, ASK Q50k.  
ELSE GO TO Q50m.)**

Q50k. Did you always smoke lighter cigarettes or did you switch from a stronger to a lighter cigarette?

- 1 = Always smoked lighter cigarettes
- 2 = Switched to lighter cigarette
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q50k=2, ASK Q50l.  
ELSE GO TO Q50m.)**

Q50l. Is this because you thought it less harmful, because it was how you quit smoking completely, neither, or both?

- 1 = Less harmful
- 2 = How you quit smoking completely
- 3 = Neither
- 4 = Both
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q50m. When you quit smoking completely, did you do any of the following? (TUSCS-CPS)

**(insert item).** Did you do this?

**Q50m series Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize items)***

- a. Sought help or support from friends or family
- b. Consulted anti-smoking materials on the Internet, or from books, pamphlets, videos, or other materials
- c. Called a telephone help line or quit line
- d. Attended group counseling or one-on-one counseling
- e. Tried to quit by gradually cutting back on cigarettes
- f. Used nicotine replacement products, such as gum, the patch or lozenges
- g. Used a prescription pill such as Zyban (ZY-BAN), Bupropion (BOO-PRO-PE-ON), Wellbutrin (WELL-BOO-TRIN), Varenicline (VAR-EN-IK-LINE) or Chantix (CHAN-TIX)

Q50n. When you quit smoking completely, did you try to give up cigarettes by quitting "cold turkey" or all at once?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q44=3 OR 8 OR 9) AND (Q45=2 OR 3 OR 4), ASK Q51.  
ELSE GO TO Q52.)**

Q51. On how many of the PAST 7 DAYS did you smoke in your home?

\_\_\_\_\_ # of Days (RANGE=0 through 7; 8=Don't Know; 9=Refused)

Q52. On how many of the PAST 7 DAYS were you around someone else's cigarette, cigar or pipe smoke in your home? (LACHS)

\_\_\_\_\_ # of Days (RANGE=0 through 7; 8=Don't Know; 9=Refused)

**(IF Q52=1 through 7, ASK Q52a.  
ELSE GO TO Q53.)**

Q52a. IN THE PAST WEEK, about how long were you exposed to other people's tobacco smoke in your home?  
Would you say...(READ LIST)?

- 1 = Less than 10 minutes,
- 2 = At least 10 minutes but less than 30 minutes,
- 3 = At least 30 minutes but less than 1 hour,
- 4 = 1 to 3 hours, or
- 5 = More than 3 hours?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q53. Which of the following best describes the rules that apply to smoking inside your home? (READ LIST)  
(LACHS 07, 05, AMERICAN LEGACY FOUNDATION; CA TOBACCO SURVEY 1999; QUESTION FROM 2003 LGBT CATSI AND RESPONSE CATEGORIES FROM 2001 BRFS) [from child]

(INTERVIEWER: STOP READING LIST ONCE RESP GIVES AN ANSWER.)

- 1 = Smoking is NOT allowed anywhere or at any time inside your home?
- 2 = Smoking is allowed only in some places or at some times?
- 3 = Smoking is allowed anywhere or at any time inside your home?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF "subsamp"=6 (TOBACCO POLICY 1), ASK T1 through T4.  
ELSE GO TO INSTRUCTIONS BEFORE T7.)**

T1. In your opinion, how harmful is EXPOSURE TO SECOND-HAND SMOKE TO ONE'S HEALTH?

- 1 = Very harmful,
- 2 = Somewhat harmful,
- 3 = Not too harmful, or
- 4 = Not at all harmful?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

T2. In your opinion, how serious of a health issue is CIGARETTE USE BY MINORS?

- 1 = Very serious,
- 2 = Somewhat serious,
- 3 = Not too serious, or
- 4 = Not at all serious?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

T3. Do you favor or oppose a law banning smoking in any of the following outdoor public areas?

**(insert item)**

**T3 Answer Codes**

- 1 = Favor
- 2 = Oppose
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused



**(Randomize items)**

- a. Outdoor dining areas
- b. Around all building entrances
- c. In waiting areas such as bus stops, movie lines, or at ATMs
- d. At outdoor public events, such as farmer's markets, fairs or concerts
- e. On sidewalks
- f. In recreation areas such as parks, sports fields or golf courses

T4. Do you favor or oppose a law requiring separate smoking and non-smoking units in multi-unit housing, such as apartments, to protect non-smokers from exposure to second hand smoke? This would also include balconies and patios.

- 1 = Favor
- 2 = Oppose
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF "subsamp"=7 (TOBACCO POLICY 2), ASK T7.  
ELSE GO TO Q54.)**

T7. I am going to read some statements about tobacco related issues and, for each, please tell me whether you agree or disagree.

**(insert item).** Do you agree or disagree?

**T7 Answer Codes**

- 1 = Agree
- 2 = Disagree
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. Store owners should be licensed to sell cigarettes in the same way they are licensed to sell liquor or beer.
- b. Films that contain smoking should be rated "R", which prohibits admittance of children under 17 unless accompanied by a parent or adult guardian.
- c. All employee health insurance plans should cover services for smokers who want to quit.
- d. It is easy for youth under age 18 to buy cigarettes in Los Angeles County.
- e. Store owners should be penalized for selling tobacco to minors.
- f. A fee should be added to each pack of cigarettes to clean up cigarette butt litter.
- g. The distribution of free or low-cost tobacco products, coupons, and rebates should be prohibited.
- h. There should be more programs in Los Angeles County to help people quit smoking.
- i. Health care facilities, such as hospitals and clinics, should ban smoking in outdoor areas including doorways, facilities grounds, parking lots, and walkways.
- j. Store owners should be required to display warning signs about the health risks of tobacco use.
- k. There should be a law prohibiting store owners from selling tobacco within 1000 feet of schools.

**(INSERT TIME STAMP)**

**ALCOHOL QUESTIONS**

**Display:** On another topic...

Q54. If a drink is considered one can or bottle of beer, one glass of wine or cocktail or shot of liquor...during the PAST MONTH, have you had at least one drink of any alcoholic beverage such as beer, wine, wine coolers or liquor? (LACHS 07, 05, 02, 99; BRFS/NIAAA)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q54=1, ASK Q54a.**

**ELSE GO TO INSTRUCTIONS BEFORE A1.)**

Q54a. During the PAST 30 DAYS, on how many days have you had at least one drink of any alcoholic beverages? Just your best estimate. (LACHS 07, 05, 02, 99; BRFS/NIAAA)

\_\_\_\_\_ # of Days (RANGE=1 through 30; 98=Don't Know; 99=Refused)

Q54b. On the days that you drank alcohol during the PAST MONTH, how many drinks did you have on average? (LACHS 07, 05, 02, 99; BRFS/NIAAA)

\_\_\_\_\_ # of Drinks/day (RANGE=0 through 97; 0=Less than 1; 98=Don't Know; 99=Refused)

**(IF Q54b=30 through 97, ASK Q54bv.**

**ELSE GO TO Q54c.)**

Q54bv. I just want to confirm that you have an average of *(insert from Q54b)* alcoholic drinks on the days that you have drank in the past month. Is this correct, or did I incorrectly enter your response?

- 1 = Answer is CORRECT
- 2 = NOT correct

**(IF Q54bv=1, GO TO Q54c.**

**IF Q54bv=2, GO BACK TO Q54b and RE-ASK.)**

Q54c. Considering all types of alcohol, how many times during the PAST MONTH did you have **(IF Q5=1, read: 5 / IF Q5=2, read: 4)** or more drinks on the same occasion? (LACHS 07, 05, 02, 99; BRFS/NIAAA)

\_\_\_\_\_ # of Times (RANGE=0 through 97; 98=Don't Know; 99=Refused)

**(IF Q54c=30 through 97, ASK Q54cv.**

**ELSE GO TO INSTRUCTIONS BEFORE A1.)**

Q54cv. I just want to confirm that you had **(IF Q5=1, read: 5 / IF Q5=2, read: 4)** or more drinks on the same occasion *(insert from Q54c)* times in the past month. Is this correct, or did I incorrectly enter your response?

- 1 = Answer is CORRECT
- 2 = NOT correct

**(IF Q54cv=1, GO TO INSTRUCTIONS BEFORE A1.**

**IF Q54cv=2, GO BACK TO Q54c and RE-ASK.)**

**(IF "subsamp"=5 (EMOTIONAL SUPPORT/CAREGIVING/EMERG PREP/ALCOHOL)), ASK A1.  
ELSE GO TO Q55.)**

A1. I am going to read some policy statements about alcohol-related issues, for each, please tell me whether you favor or oppose it.

**(insert item)** Do you favor or oppose?

**A1 Answer Codes**

- 1 = Favor
- 2 = Oppose
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. An increase of 5 cents per drink in the tax on beer, wine, and liquor sold to pay for programs to prevent underage drinking and to increase alcohol treatment programs.
- b. A law that would ban the sale of kegs of beer to individuals for homes or parties. This ban would not include bars or restaurants.
- c. A law that penalized adults who illegally provide alcohol to teenagers.
- d. A law that would ban all advertising of alcoholic beverages on billboards anywhere in your community.

Q55. IN THE PAST YEAR, have you used any form of MARIJUANA, even just one time? (LACHS 05, 02: YOUNG ADULT, MODIFIED)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**Display:** The next set of questions is about non-medical use of drugs and prescription drugs. Non-medical use is any use on your own that is either without a doctor's prescription, or in greater amounts than prescribed, or more often than prescribed, or for any reason other than a doctor said you should take it. (2006 CA Problem Gambling Survey; modified)

Q56. IN THE PAST 12 MONTHS, have you used any form of prescription drugs non-medically, that is, other than how a doctor said you should, even just one time?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q56=1, ASK Q56a.  
ELSE GO TO Q57.)**

Q56a. Were these prescription drugs STIMULANTS or speed, such as Ritalin (RIT-a-lin), or Adderall (ADD-a-rawl)?

(INTERVIEWER: Must have used NON-MEDICALLY...such as, without a prescription, more than prescribed, more often than prescribed, or any reason other than the Dr's instructions.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q56b. Were these prescription drugs OPIATES, such as Codeine (CO-deen), Vicodin, Percocet, Morphine (MOR-feen), or Oxycontin (OX-ee-con-tin)?

(INTERVIEWER: Must have used NON-MEDICALLY...such as, without a prescription, more than prescribed, more often than prescribed, or any reason other than the Dr's instructions.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know

9 = (VOL) Refused

Q56c. Were these prescription drugs TRANQUILIZERS or SEDATIVES, such as Valium (Val-ee-um), Xanax (ZAN-ex), or Ambien?

(INTERVIEWER: Must have used NON-MEDICALLY...such as, without a prescription, more than prescribed, more often than prescribed, or any reason other than the Dr's instructions.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q57. IN THE PAST YEAR, have you used any methamphetamines (METH-AM-FET-AH-MEENS), cocaine, or ecstasy, even just one time?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**SEXUAL/REPRODUCTIVE HEALTH**

**Display:** The next few questions are about your sexual behavior. Again, your answers are strictly confidential and you don't have to answer any question you don't want to.

Q58. During the PAST 12 MONTHS, have you had any sexual partners? (LACHS 07)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q58=1, ASK Q58a.**

**ELSE GO TO INSTRUCTIONS BEFORE Q59.)**

Q58a. During the PAST 12 MONTHS, with how many (IF Q5=1, read: MEN / IF Q5=2, read: WOMEN) have you had sex? (LACHS 07)

\_\_\_\_\_ Enter # (RANGE=0 through 997; 998=Don't Know; 999=Refused)

**(IF Q58a=76 through 997, ASK Q58av.**

**ELSE GO TO Q58b.)**

Q58av. I just want to confirm that you have had sex with a total of (insert from Q58a) (IF Q5=1, read: MEN / IF Q5=2, read: WOMEN) during the past 12 months. Is this correct, or did I incorrectly enter your response.

- 1 = Total is CORRECT
- 2 = Total is NOT correct

**(IF Q58av=1, GO TO Q58b.**

**ELSE GO BACK AND RE-ASK Q58a.)**

Q58b. During the PAST 12 MONTHS, with how many (IF Q5=1, read: WOMEN / IF Q5=2, read: MEN) have you had sex? (LACHS 07)

\_\_\_\_ Enter # (RANGE=0 through 997; 998=Don't Know; 999=Refused)

**(IF Q58b=76 through 997, ASK Q58bv.  
ELSE GO TO INSTRUCTIONS BEFORE Q59.)**

Q58bv. I just want to confirm that you have had sex with a total of *(insert from Q58b)* **(IF Q5=1, read: WOMEN IF Q5=2, read: MEN)** during the past 12 months. Is this correct, or did I incorrectly enter your response.

- 1 = Total is CORRECT
- 2 = Total is NOT correct

**(IF Q58bv=1, GO TO INSTRUCTIONS BEFORE Q59.  
ELSE GO BACK AND RE-ASK Q58b.)**

**(IF (Q5=2) AND ((Q6=18 through 49) OR (Q6a=1 OR 2 OR 3 OR 4 OR 5)) AND (Q35=2 OR 8 OR 9), ASK Q59.**

**ELSE GO TO INSTRUCTIONS BEFORE Q61.)**

Q59. IN THE PAST 12 MONTHS, were you planning or trying to get pregnant?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q60. Are you currently pregnant?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q59=1 OR 8 OR 9) AND (Q60=2 OR 8 OR 9) AND (Q58b=1 through 997), ASK Q60a.  
ELSE GO TO INSTRUCTIONS BEFORE Q61.)**

Q60a. The last time you had sex, were you trying to get pregnant?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ((Q5=1) AND ((Q58a=1 through 997) OR (Q58b=1 through 997))) OR ((Q5=2) AND (Q58b=1 through 997) AND ((Q60a=2 OR 8 OR 9) OR (Q60a IS NOT ASKED))), ASK Q61.**

**ELSE GO TO INSTRUCTIONS BEFORE Q62.)**

Q61. THE LAST TIME you had sex, **(IF Q5=1 AND Q58a=0 OR 998 OR 999, read: did you) (IF Q5=1 AND Q58a=1 through 997, read: did you or your partner) (IF Q5=2, read: did your partner)** use a condom? **(LACHS07; NYCHS 2003)**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q61=1, ASK Q61a.  
ELSE GO TO INSTRUCTIONS BEFORE Q62.)**

Q61a. IN THE PAST 12 MONTHS, *(IF Q5=1 AND Q58a=0 OR 998 OR 999, read: did you) (IF Q5=1 AND Q58a=1 through 997, read: did you or your partner(s)) (IF Q5=2, read: did your partner(s))* use a condom...(READ LIST)? *(LACHS 05, 02, 99 MODIFIED, 97 MODIFIED)*

- 1 = All the time,
- 2 = Most of the time,
- 3 = Some of the time,
- 4 = Rarely, or
- 5 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

*(IF (Q5=2) AND ((Q6=18 through 49) OR (Q6a=1 OR 2 OR 3 OR 4 OR 5)) AND (Q58b=1 through 997) AND (Q35=2 OR 8 OR 9) AND (Q60=2 OR 8 OR 9) AND ((Q60a=2 OR 8 OR 9) OR (Q60a IS NOT ASKED))), ASK Q62.  
ELSE GO TO INSTRUCTIONS BEFORE Q63.)*

Q62. I am going to read some other methods of pregnancy prevention, and please tell me if it applied to you THE LAST TIME you had sex *(IF Q58a=1 through 997) AND (Q58b=1 through 997)*, add: "with a man". *(LACHS07; NYCHS 2003 MODIFIED)*

*(insert item).* Did this apply to you the last time you had sex *(IF Q58a=1 through 997) AND (Q58b=1 through 997)*, add: "with a man"?

**Q62 series Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Programmer: IF "YES" AT ANY POINT IN Q62 SERIES, SKIP REST OF ITEMS AND GO TO INSTRUCTIONS BEFORE Q63.)***

- a. you have your tubes tied or your partner had a vasectomy (vuh-seck-tuh-me) (If needed: You or your partner are sterilized.)
- b. You have an IUD or intrauterine (in-truh-you-ter-in) contraception
- c. You used birth control pills, patch, or ring
- d. You used the birth control shot or implant
- e. You are infertile (in-fur-til) or menopausal
- f. You used a diaphragm or cervical cap
- g. You used withdrawal or pulling out
- h. You used the rhythm method, natural family planning, or breastfeeding
- i. You used a sponge, foam, jelly, or some other method

*(IF ((Q5=1) AND (Q58b=1 through 997) AND ((Q6=18 through 49) OR (Q6a=1 OR 2 OR 3 OR 4 OR 5))) OR ((Q5=2) AND (Q58b=1 through 997) AND ((Q6=18 through 49) OR (Q6a=1 OR 2 OR 3 OR 4 OR 5)) AND (Q35=2 OR 8 OR 9)), ASK Q63.  
ELSE GO TO INSTRUCTIONS BEFORE ST1.)*

Q63. *(IF Q5=2, read: Have you) (IF Q5=1, read: Has your partner)* EVER used emergency contraception or the morning-after pill? *(LACHS 07; CHIS 2003 MODIFIED)*

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q63=1, ASK Q63a.**

**ELSE GO TO INSTRUCTIONS BEFORE ST1.)**

Q63a. **(IF Q5=2, read: Have you) (IF Q5=1, read: Has your partner)** used emergency contraception or the morning-after pill IN THE PAST YEAR?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF "subsamp"=4 (FOOD POISONING/PATEURIZATION/HERBAL/STD), ASK ST1 through ST3.  
ELSE GO TO Q64.)**

**Display:** Sexually transmitted diseases, or STDs, are infections you can get from having sex. Chlamydia, (clam-id-e-ah), herpes (her-pees), genital warts, syphilis (sif-il-lis), gonorrhea (gahn-or-e-ah), and HIV, are all types of STDs.

ST1. Have you ever been tested for STDs?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ST1=1, ASK ST2.**

**ELSE GO TO Q64.)**

ST2. Was this within the PAST TWELVE MONTHS?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ST2=1, ASK ST3.**

**ELSE GO TO Q64.)**

ST3. In the past 12 months, were you tested for...**(insert item)**?

**ST3 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. Chlamydia
- b. H.I.V.

**(INSERT TIME STAMP)**

**DEMOGRAPHIC QUESTIONS**

**Display:** Finally, some questions about yourself for classification purpose.

Q64. Were you born in California, in some other state in the U.S. or outside the United States?

- 1 = California
- 2 = Other U.S. State

- 3 = Outside the U.S.
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q64=3, ASK Q64a.  
ELSE GO TO Q65.)**

Q64a. In which country were you born? (ENTER COUNTRY CODE FROM TACKUP)

(RANGE=1 through 58; 97=Other (Specify); 98=Don't Know; 99=Refused)

\_\_\_\_\_ Enter Country Code

Q64b. How many years have you lived in the United States?

\_\_\_\_\_ # of Years (RANGE=0 through 125; 0=Less than 1 year, 998=Don't Know;  
999=Refused)

**(Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT Q6/Q6a.)**

Q64c. Are you currently a U.S. citizen or not?

- 1 = Yes, U.S. Citizen
- 2 = No, NOT a U.S. Citizen
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**Display:** The next few questions ask about your ethnic and racial background.

Q65. Are you of Latino or Hispanic origin?

(IF NECESSARY: Such as Mexican-American, Latin American, Central or South American, or Spanish-American?)

- 1 = Yes, Hispanic
- 2 = No, NOT Hispanic
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q65=1, ASK Q65a.  
ELSE GO TO Q66.)**

Q65a. Are you of Mexican ancestry or some other Hispanic ancestry? (MULTIPLE RECORD)

- 1 = Mexican
- 2 = Other Hispanic
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q65a=2, ASK Q65b.  
ELSE GO TO Q66.)**

Q65b. Which of the following best describes your (other) Hispanic ancestry or ethnic origin?  
(READ LIST; MULTIPLE RECORD)



- 1 = Salvadoran
- 2 = Guatemalan
- 3 = Costa Rican
- 4 = Honduran
- 5 = Nicaraguan
- 6 = Panamanian
- 7 = Argentinian
- 8 = Colombian
- 9 = Peruvian
- 10 = Other South American (Specify): \_\_\_\_\_
- 11 = Spanish-American
- 12 = Cuban
- 13 = Puerto Rican
- 14 = Other (Specify): \_\_\_\_\_
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

Q66. For classification purposes, we'd like to know what your racial background is. Are you White or Caucasian, Black or African-American, Asian, Pacific Islander, American Indian or an Alaskan native, a member of another race, or a combination of these? (MULTIPLE RECORD)

- 1 = White / Caucasian
- 2 = Black / African-American
- 3 = Asian
- 4 = Pacific Islander
- 5 = American Indian / Alaskan Native
- 6 = (VOL) Hispanic / Latino
- 7 = Other (Specify): \_\_\_\_\_
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q65=1 AND Q66=1 through 5 OR 7) OR (MORE THAN 1 RESPONSE GIVEN FOR CODES 1 THROUGH 7) AT Q66, ASK Q66m.**

**ELSE GO TO INSTRUCTIONS BEFORE Q66a.)**

Q66m. Of the ones that you provided, which racial group **(IF Q65=1 OR Q66=6 or 7, insert: "or ethnicity")**, if any, do you think BEST represents your race, or with which you MOST CLOSELY identify?

**(Programmer: Show only those codes which were selected at Q66)**

- 1 = White / Caucasian
- 2 = Black / African-American
- 3 = Asian
- 4 = Pacific Islander
- 5 = American Indian / Alaskan Native
- 6 = Hispanic / Latino **(also show if Q65=1)**
- 7 = **(insert verbatim response from "Other" given at Q66)**
- 8 = or do you consider yourself Multi-Racial
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

**(IF (Q66=3 OR 4), ASK Q66a.**

**ELSE GO TO Q67.)**

Q66a. Which of the following best describes your Asian ancestry or ethnic origin? (READ LIST; MULTIPLE RECORD)

- 1 = Chinese

- 2 = Korean
- 3 = Filipino
- 4 = Japanese
- 5 = Vietnamese
- 6 = Asian Indian
- 7 = Cambodian
- 8 = Hawaiian
- 9 = Guamanian
- 10 = Samoan
- 11 = Laotian/Hmong (Mong)
- 12 = Other (Specify): \_\_\_\_\_
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

Q67. What language is spoken most often in your home? (DO NOT READ LIST)

- 1 = English
- 2 = Spanish
- 3 = Mandarin
- 4 = Cantonese
- 5 = Chinese (unspecified)
- 6 = Korean
- 7 = Vietnamese
- 8 = Tagalog (TUH-GAH-LAWG)
- 9 = Armenian
- 10 = Russian
- 11 = Japanese
- 12 = Hmong (Mong)
- 13 = Other (Specify): \_\_\_\_\_
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

Q68. What is the highest level of school you have completed or the highest degree you have received?

(IF HIGH SCHOOL, ASK: What was the highest grade you completed?)

(If says COLLEGE, Probe: "Is that some college, a 2-year or Associate's Degree, or a 4-year or Bachelor's Degree?")

- 1 = 8th grade or less
- 2 = Grades 9-12
- 3 = High school graduate / GED
- 4 = Some college / trade school / associates degree
- 5 = College graduate
- 6 = Post-graduate degree
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

### **PHONE/CELL PHONE QUESTIONS**

***(IF CELL PHONE VERSION ("stype"=2), ASK Q69.  
ELSE GO TO INSTRUCTIONS BEFORE Q70.)***

Q69. In addition to your cell phone, do you also have a landline telephone that is used to make and receive calls in your home?

[READ ONLY IF NECESSARY: "By landline telephone, we mean a "regular" telephone in your home that is

connected to outside telephone lines through a cable or cord and is used for making or receiving calls. This would also include a cordless phone that receives service by being connected to outside telephone lines through a jack in the wall."

[INTERVIEWER: TELEPHONE SERVICE OVER THE INTERNET COUNTS AS LANDLINE SERVICE. PLEASE CONFIRM NEGATIVE RESPONSES TO ENSURE THAT RESPONDENT HAS HEARD AND UNDERSTOOD CORRECTLY.

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF RDD VERSION ("stype"=1) OR Q69=1, ASK Q70.  
ELSE GO TO INSTRUCTIONS BEFORE Q71.)**

Q70. During the PAST 12 MONTHS, has your household been without telephone service for 1 week or more?

(IF NEEDED: Do NOT include interruptions of telephone service because of weather or natural disasters.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF RDD VERSION ("stype"=1), ASK Q71.  
ELSE GO TO INSTRUCTIONS BEFORE Q71a.)**

Q71. Do you have a cell phone for personal use? Do NOT include any cell phones that may be used solely for business purposes.

(IF NEEDED: Please include cell phones if they are used for ANY personal use.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF CELL PHONE VERSION ("stype"=2) OR Q71=1, ASK Q71a.  
ELSE GO TO Q72.)**

Q71a. Do you usually share this cell phone with any other adults?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q71b. How many working cell phone numbers do you (**IF S3 >1, read:** and other adults in your household) have? Again, do NOT include cell phones that are used solely for business purposes.

\_\_\_\_\_ Enter # (RANGE=1 through 5; 5=5 or more; 8=Don't Know;9=Refused)

**(IF Q69=2, GO TO Q72.  
ELSE ASK Q71c.)**

Q71c. Of all of the phone calls that you or your family receives, are...(READ LIST)?

- 1 = All or almost all calls received on cell phones,
- 2 = Some received on cell phones and some received on land lines, or
- 3 = Very few or none on cell phones?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**VETERAN STATUS**

Q72. Have you ever served on active duty in the United States Armed Forces, in the military reserves, or National Guard?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(IF Q72=1, ASK Q72a.  
ELSE GO TO INSTRUCTIONS BEFORE Q73.)***

Q72a. Did you ever serve in a combat or war zone? [\(2000 National Survey of Veterans\)](#)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(IF Q55=1, ASK Q73.  
ELSE GO TO Q74.)***

Q73. Do you have a Medical Marijuana card or a prescription from a doctor for medical marijuana?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q74. In a typical week, do you access the Internet?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q75. What is your marital status? Are you...(READ LIST)?

- 1 = Married,
- 2 = Domestic partners,
- 3 = Not married but living together,
- 4 = Widowed,
- 5 = Divorced,
- 6 = Separated, or
- 7 = Never married
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q76. Now I'll read a list of terms people sometimes use to describe themselves. As I read the list, please stop me when I get to the term that best describes how you think of yourself. (2009, 2007, 2004 NYC; 2004 NYC BRFS)

**(Randomize code 1 through 3)**

- 1 = Heterosexual / Straight
- 2 = Homosexual / Gay / Lesbian
- 3 = Bi-sexual
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q77. Including yourself, how many people currently live in your household?

\_\_\_\_\_ # of People (RANGE=1 through 20; 98=Don't Know; 99=Refused)

**(IF Q77<S3, ASK Q77v.  
ELSE GO TO INSTRUCTIONS BEFORE Q77a.)**

Q77v. Earlier you mentioned that there were a total of **(insert from S3)** adults in your household. However, you are now saying that there are only **(insert from Q77)** total people in the household. Which of those answers did I enter INCORRECTLY? (READ LIST)

- 1 = The **(insert from S3)** adults in the household is NOT correct, or
- 2 = The **(insert from Q77)** total people in the household is NOT correct?
- 9 = (VOL) Refused

**(IF Q77v=1, ASK Q77v1.  
IF Q77v=2, GO BACK AND RE-ASK Q77.  
IF Q77v=9, GO TO INSTRUCTIONS BEFORE Q77a.)**

Q77v1. Can you please tell me the correct number of total adults, 18 years of age or older, that live in your household?

(RANGE=1 through 20; 98=Don't know; 99=Refused)

\_\_\_\_\_ # of Adults

**(Programmer: Update "totadult" with answer from Q77v1. If DK/REF, do NOT update.)**

**(IF Q77=2 through 20, ASK Q77a.  
ELSE GO TO INSTRUCTIONS BEFORE EP1.)**

Q77a. **(IF Q6=65+ OR Q6a=8 OR Q6b=2, read:** Including yourself,) H/how many are adults age 65 or older?

\_\_\_\_\_ # of People (RANGE=0 through 20; 98=Don't Know; 99=Refused)

**(Programmer: Answer can NOT exceed Q77.)**

Q77b. **(IF Q6<65 AND Q6a<>8 AND Q6b<>2, read:** Including yourself,) H/how many are adults between the ages of 18 and 64? (LACHS 02, 99, 97 REVISED)

\_\_\_\_\_ # of People (RANGE=0 through 20; 98=Don't Know; 99=Refused)

**(Programmer: Create variable "totadults"...will be the sum of Q77a / Q77b.  
IF (Q77a=1 through 20) and (Q77b=98 OR 99), set "totadults" to answer from Q77a.  
IF (Q77a=98 OR 99) and (Q77b=1 through 20), set "totadults" to answer from Q77b.)**

**IF (Q77a=98 OR 99) and (Q77b=98 OR 99), set "totadults" to "1."**  
**IF ((Q77a=0) and (Q77b=98 OR 99)) OR ((Q77a=98 OR 99) and (Q77b=0)), set "totadults" to "1."**  
**IF ("totadults" > Q77), RE-ASK Q77.**  
**IF (Q77a AND Q77b are BOTH "0"), RE-ASK Q77a.**  
**IF ("totadults" < Q77), ASK Q78.)**  
**IF ("totadults" = Q77), GO TO INSTRUCTIONS BEFORE EP1.)**

Q78. Are there any children under age 18 currently living in your household?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (Q78=2) AND ((Q77 > "totadult") AND (Q77a=0 through 20 AND Q77b=0 through 20)), ASK Q78v.**  
**ELSE GO TO INSTRUCTIONS BEFORE Q78a.)**

Q78v. You mentioned that there are a total of *(insert from Q77)* people in the household. ...*(insert "totadult")* of which are adults, and ZERO of which are children under 18. So, I will now need to go back and re-ask these questions again.

1 = CONTINUE

**(NOW GO BACK TO Q77)**

**(IF Q78=1, ASK Q78a.**  
**ELSE GO TO INSTRUCTIONS BEFORE EP1.)**

Q78a. How many are children between the ages of 12 and 17?

\_\_\_\_\_ # of People (RANGE=0 through 20; 98=Don't Know; 99=Refused)

Q78b. How many are children between the ages of 6 and 11?

\_\_\_\_\_ # of People (RANGE=0 through 20; 98=Don't Know; 99=Refused)

Q78c. How many are children 5 years of age or YOUNGER?

\_\_\_\_\_ # of People (RANGE=0 through 20; 98=Don't Know; 99=Refused)

**(Programmer: Create variable "totchild"...will be the sum of Q78a /Q78b / Q78c.**  
**IF (Q78<>1) OR (0 OR 98 or 99 to ALL Q78a / Q78b / Q78c), set "totchild" to "0"**  
**IF (Q78a=1 through 20) and (Q78b=98 OR 99) and (Q78c=98 OR 99), set "totchild" to answer from Q78a.**  
**IF (Q78a=98 OR 99) and ((Q78b=1 through 20) and (Q78c=98 OR 99)), set "totchild" to answer from Q78b.**  
**IF (Q78a=98 OR 99) and (Q78b=98 OR 99) and (Q78c=1 through 20), set "totchild" to answer from Q78c.**  
**IF (Q78a=1 through 20) and (Q78b=1 through 20) and (Q78c=98 OR 99), set "totchild" to sum of Q78a/Q78b.**  
**IF (Q78a=1 through 20) and (Q78b=98 OR 99) and (Q78c=1 through 20), set "totchild" to sum of Q78a/Q78c.**  
**IF (Q78a=98 OR 99) and (Q78b=1 through 20) and (Q78c=1 through 20), set "totchild" to sum of Q78b/Q78c.)**

**IF (“totadults” + “totchild”=Q77) OR ((“totadults” + “totchild”<Q77) AND (DK/REF TO ANY OF Q77v/Q77v1/Q77a/Q77b/Q78a/Q78b/Q78c)), GO TO INSTRUCTIONS BEFORE EP1.  
IF (“totadults” + “totchild”>Q77) OR ((“totadults” + “totchild”<Q77) AND (0 through 20 TO ALL OF Q77a/Q77b/Q78a/Q78b/Q78c)), GO TO Q78v.)**

Q78v2. I may have incorrectly entered one of more of your previous responses, so please allow me to confirm them with you now. I entered that there are *(insert from Q77)* TOTAL PEOPLE in your household. I then entered that there *(is / are) (insert “totadults”)(ADULT / total ADULTS)*, 18 or older, and *(insert “totchild”)(CHILD / total CHILDREN)* under 18 in your household, which means that there should be a total of *(insert sum of “totadult” + “totchild”)* people in your household. Which of those answers did I enter INCORRECTLY? (READ LIST)

- 1 = The *(insert from Q77)* TOTAL PEOPLE is INCORRECT
- 2 = The *(insert “totadult”)* TOTAL ADULTS is INCORRECT
- 3 = The *(insert “totchild”)* TOTAL CHILDREN is INCORRECT
- 4 = (VOL) There are NO CHILDREN in the household

**(IF Q78v=1, READ DISPLAY BELOW THEN GO BACK TO Q77.)  
IF Q78v=2, READ DISPLAY BELOW THEN GO BACK TO Q77a.  
IF Q78v=3, READ DISPLAY BELOW THEN GO BACK TO Q78a.  
IF Q78v=4, READ DISPLAY BELOW THEN GO BACK TO Q77.)**

**Display:** I will now need to go back and re-ask some questions.

1 = CONTINUE

**(IF “subsamp”=5 (EMOTIONAL SUPPORT/CAREGIVING/EMERG PREP/ALCOHOL)), ASK EP1.  
ELSE GO TO Q79.)**

**Display:** We would like to ask you some questions about preparedness for large-scale disasters or emergencies. By large-scale disaster or emergency we mean any event that leaves you isolated in your home or displaces you from your home for at least 3 days. This might include earthquakes, wild fires, terrorist events or infectious disease outbreaks.

EP1. Do you or your household have...*(insert item)*?

**EP1 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. a family emergency plan where you and family members would meet or call after a disaster?
- b. a disaster supply kit for use in the case of a large-scale disaster or emergency?

**(INSERT TIME STAMP)**

**HOUSING**

Q79. Do you rent or own your home? **(BRFSS, CHIS, what years?)**

[INTERVIEWER: Other arrangement may include group home or staying with friends or family without paying rent.]

1 = Rent

- 2 = Own
- 3 = Other arrangement
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF "subsamp"=6 (TOBACCO POLICY 1), ASK T5 through T6.  
ELSE GO TO Q80.)**

**(IF Q79=1, ASK T5.  
ELSE GO TO T6.)**

T5. Is your rental unit a subsidized public housing unit or not? Subsidized housing receives financial assistance from the government to help pay for some rent or utilities.

- 1 = subsidized public housing
- 2 = not subsidized housing
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

T6. In which type of housing do you currently live? Is it a single-family detached home, a condominium or townhouse, an apartment building with 15 or less units, an apartment building with more than 15 units, or something else?

- 1 = single-family detached home
- 2 = condominium or townhouse
- 3 = apartment with 15 units or less
- 4 = apartment with more than 15 units
- 5 = Other
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q80. During the PAST 2 YEARS, was there any month when you/your family delayed paying or were not able to pay your mortgage or rent? (2009 NYC)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF "subsamp"=3 (HEALTHY HOMES/NEIGHBORHOODS), ASK H6.  
ELSE GO TO INSTRUCTIONS BEFORE P8.)**

H6. Which of the following describes your current home or apartment?  
(insert item).

**H6 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. It has mold growth that concerns you.
- b. It has pests such as cockroaches or mice.
- c. It was built before 1978 AND has peeling or chipping paint.
- d. It has heat or hot water when you need it.



**(IF "subsamp"=8 (CHILD POLICY), ASK P8.  
ELSE GO TO Q81.)**

P8. Which of the following sources of water do you drink at home? Only tap water which includes water that has been treated or filtered in your home; Only bottled water or delivered water; Or both tap water and bottled water?

- 1 = Only tap water
- 2 = Only bottled/delivered water
- 3 = Both
- 4 = Other
- 5 = (VOL) Do not drink water at home
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q81. Is there anyone living with you or staying on your property because they do not have a regular or adequate place to stay due to a lack of money or other means of support (this does not include dependents or adult children)? [\(2009 GLAHC Hidden Homeless Survey\)](#)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q81=1, ASK Q81a.  
ELSE GO TO INSTRUCTIONS BEFORE Q82.)**

Q81a. How many people? [\(2009 GLAHC Hidden Homeless Survey\)](#)

\_\_\_\_\_ # of People (RANGE=1 through 10; 10=10 or more; 98=Don't Know; 99=Refused)

Q81b. How long has he/she/they been staying with you or living on your property? Would you say...(READ LIST)? [\(2009 GLAHC Hidden Homeless Survey; modified\)](#)

- 1 = A week or less,
- 2 = 7 to 30 days,
- 3 = 1 to 2 months,
- 4 = 3 to 5 months,
- 5 = 6 to 11 months, or
- 6 = 1 year or more?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q82. Thinking back over the PAST 5 YEARS, was there ever a time when you were homeless or did not have your own place to live or sleep? [\(LACHS 07, 05, 02, 99 supplemental\)](#)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q82=1, ASK Q82a.  
ELSE GO TO Q83.)**

Q82a. Has this been in the PAST 2 YEARS?

- 1 = Yes
- 2 = No

- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q82b. When you were homeless, did you sleep in a...*(insert item)*? (2009 GLAHC Hidden Homeless Survey; modified)

**Q82b series Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize items)***

- a. Park, in an abandoned building, in the street, or in a subway or train station?
- b. Shelter for the homeless people or in another temporary residence because you did not have a place to stay?
- c. Friend or relative's home because you were homeless?

Q83. As an adult, 18 years or older, have you spent more than 24 hours living in a detention center, jail, or prison?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(IF Q83=1, ASK Q83a.***

***ELSE GO TO Q84.)***

Q83a. How much time have you spent living in a detention center, jail, or prison? (READ LIST)?

- 1 = Less than a week,
- 2 = 1 week to less than 1 year,
- 3 = 1 year to less than 5 years,
- 4 = 5 years or more?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q83b. About how long has it been since you spent any time in a detention center, jail, or prison? (READ LIST)?

- 1 = Less than 6 months,
- 2 = 6 months to less than 1 year,
- 3 = 1 year to less than 2 years,
- 4 = 2 years to less than 5 years,
- 5 = 5 years or more?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(INSERT TIME STAMP)***

**HOUSEHOLD INCOME**

***Display:*** The next question is about your combined household income. By household income, we mean the combined income from everyone living in the household including roommates or those on disability income.

***(Programmer: Create variable called "incchild"...will be set as follows:***

**IF Q77 equals the sum from "totadult"/"totchild"...set "incchild" to value from "totchild."**  
**IF Q77 is LESS than "totadult"...set "incchild" to "0."**  
**IF Q77 is GREATER than sum from "totadult"/"totchild"...set "incchild" to (Q77 minus totadult.)"**

**(Programmer: Create variable called "poverty"...will be set as follows:**

<b># of HH members</b>	<b>If...</b>	<b>...set "poverty" to...</b>
<b>No Children Under 18</b>		
1 Adult (Under 65)	((("totadult"=1) and ("incchild"=0)) and ((Q6<65) or (Q6a<8) or (Q6b<>2))	\$11,161.00
1 Adult (65+)	((("totadult"=1) and ("incchild"=0)) and ((Q6>64 and <126) or (Q6a=8) or (Q6b=2))	\$10,289.00
2 Adults (Resp. Under 65)	((("totadult"=2) and ("incchild"=0)) and (Q77a=0)	\$14,366.00
2 Adults (Resp. 65+)	((("totadult"=2) and ("incchild"=0)) and (Q77a>0)	\$12,968.00
3 Adults	((("totadult"=3) and ("incchild"=0))	\$16,781.00
4 Adults	((("totadult"=4) and ("incchild"=0))	\$22,128.00
5 Adults	((("totadult"=5) and ("incchild"=0))	\$26,686.00
6 Adults	((("totadult"=6) and ("incchild"=0))	\$30,693.00
7 Adults	((("totadult"=7) and ("incchild"=0))	\$35,316.00
8 Adults	((("totadult"=8) and ("incchild"=0))	\$39,498.00
9+ Adults	((("totadult">8) and ("incchild"=0))	\$47,514.00
<b>1 Child Under 18</b>		
1 Adult (Resp. Under 65)	((("totadult"=1) and ("incchild"=1)) and (Q77b=1)	\$14,787.00
1 Adult (Resp. 65+)	((("totadult"=1) and ("incchild"=1)) and (Q77a=1)	\$14,731.00
2 Adults	((("totadult"=2) and ("incchild"=1))	\$17,268.00
3 Adults	((("totadult"=3) and ("incchild"=1))	\$22,490.00
4 Adults	((("totadult"=4) and ("incchild"=1))	\$27,074.00
5 Adults	((("totadult"=5) and ("incchild"=1))	\$30,815.00
6 Adults	((("totadult"=6) and ("incchild"=1))	\$35,537.00
7 Adults	((("totadult"=7) and ("incchild"=1))	\$39,847.00
8+ Adults	((("totadult">=8) and ("incchild"=1))	\$47,744.00
<b>2 Children Under 18</b>		
1 Adult	((("totadult"=1) and ("incchild"=2))	\$17,285.00
2 Adults	((("totadult"=2) and ("incchild"=2))	\$21,756.00
3 Adults	((("totadult"=3) and ("incchild"=2))	\$26,245.00
4 Adults	((("totadult"=4) and ("incchild"=2))	\$30,180.00
5 Adults	((("totadult"=5) and ("incchild"=2))	\$34,777.00
6 Adults	((("totadult"=6) and ("incchild"=2))	\$39,130.00
7+ Adults	((("totadult">=7) and ("incchild"=2))	\$47,109.00
<b>3 Children Under 18</b>		
1 Adult	((("totadult"=1) and ("incchild"=3))	\$21,832.00
2 Adults	((("totadult"=2) and ("incchild"=3))	\$25,603.00
3 Adults	((("totadult"=3) and ("incchild"=3))	\$29,571.00

4 Adults	((("totadult"=4) and ("incchild"=3)))	\$34,247.00
5 Adults	((("totadult"=5) and ("incchild"=3)))	\$38,501.00
6+ Adults	((("totadult">=6) and ("incchild"=3)))	\$46,576.00
<u>4 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=4)))	\$25,211.00
2 Adults	((("totadult"=2) and ("incchild"=4)))	\$28,666.00
3 Adults	((("totadult"=3) and ("incchild"=4)))	\$33,260.00
4 Adults	((("totadult"=4) and ("incchild"=4)))	\$37,610.00
5+ Adults	((("totadult">=5) and ("incchild"=4)))	\$45,701.00
<u>5 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=5)))	\$28,130.00
2 Adults	((("totadult"=2) and ("incchild"=5)))	\$32,108.00
3 Adults	((("totadult"=3) and ("incchild"=5)))	\$36,478.00
4+ Adults	((("totadult">=4) and ("incchild"=5)))	\$44,497.00
<u>6 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=6)))	\$30,845.00
2 Adults	((("totadult"=2) and ("incchild"=6)))	\$35,300.00
3+ Adults	((("totadult">=3) and ("incchild"=6)))	\$43,408.00
<u>7 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=7)))	\$35,000.00
2+ Adults	((("totadult">=2) and ("incchild"=7)))	\$43,138.00
<u>8+ Children Under 18</u>		
1+ Adult	((("totadult">=1) and ("incchild">7)))	\$41,476.00

Q84. Is your household's total annual income from all sources before taxes...(READ LIST)?

- 1 = Above ("**poverty**" x 2), or
- 2 = Below ("**poverty**" x 2)?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q84=2 OR 8 OR 9, ASK Q84a.  
ELSE GO TO INSTRUCTIONS BEFORE Q84b.)**

Q84a. Is it...(READ LIST)?

- 1 = Above ("**poverty**" x 1), or
- 2 = Below ("**poverty**" x 1)?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(NOW GO TO INSTRUCTIONS BEFORE Q85.)**

**(IF Q84=1 ASK Q84b.)**

Q84b. Is it...(READ LIST)?

- 1 = Above ("**poverty**" x 4), or
- 2 = Below ("**poverty**" x 4)?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q84b=2 OR 8 OR 9, ASK Q84c.  
ELSE GO TO INSTRUCTIONS BEFORE Q85.)**

Q84c. Is it...(READ LIST)?

- 1 = Above ("**poverty**" x 3), or
- 2 = Below ("**poverty**" x 3)?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

### **PUBLIC ASSISTANCE**

**(IF (Q84=2 OR 8 OR 9) OR (Q84c=2 OR 8 OR 9), ASK Q85.  
ELSE GO TO Q90.)**

Q85. Are you currently receiving food stamps? (LACHS 05)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

### **FOOD INSECURITY**

**Display:** The next questions are about the food eaten in your household.

Q86. In the LAST 12 MONTHS, did you or any other adults in your household ever have to cut the size of your meals or skip meals entirely because there wasn't enough money for food? (LACHS 05, 02, 99 supplemental)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q86=1, ASK Q86a.)**

**ELSE GO TO Q87.)**

Q86a. How often did this happen? (LACHS 05, 02, 99 supplemental)

- 1 = Almost every month,
- 2 = Some months but not every month, or
- 3 = Only one or two months?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q87. In the LAST 12 MONTHS, did you ever eat less than you felt you should because there wasn't enough money to buy food? (LACHS 05, 02, 99 supplemental)

- 1 = Yes
- 2 = No

- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q88. In the LAST 12 MONTHS, were you ever hungry but didn't eat because you could not afford enough food?  
(LACHS 05, 02, 99 supplemental)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**Display:** I am going to read two statements that people have made about the food situation at their household. For each, please tell me whether the statement was often, sometimes, or never true for you or other members of your household in the LAST 12 MONTHS.

Q89. **(insert statement)**

Was this...(READ LIST)? (LACHS 05, 02, 99 supplemental)

**Q89 Answer Codes**

- 1 = Often,
- 2 = Sometimes, or
- 3 = Never true for you or other members of your household in the last 12 months?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. The food that was bought just didn't last, and we didn't have money to get more.
- b. We couldn't afford to eat balanced meals.

**(IF S2 ALREADY ANSWERED, AUTOPUNCH Q90 WITH ANSWER FROM S2, THEN GO TO Q91. ELSE ASK Q90.)**

Q90. In what city or town do you live? (ENTER CITY CODE FROM TACKUP)

(RANGE=1 through 482; 997=Other; 998=Don't Know; 999=Refused)

\_\_\_\_ Enter City Code

Q91. What is your current ZIP code?

- 1 = Gave Response (All Zip Codes must begin with a "9")
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

Q92. We're interested in grouping respondents into geographic areas of the County. Therefore, I would like to get **(IF CELL PHONE VERSION (stype=2), insert: your name and)** your mailing address. **(IF CELL PHONE VERSION (stype=2), insert: This information will also be used to send you the \$10 check as a way of reimbursing you for your time.)** Please know that this information will be held in the strictest confidence and will NOT be shared beyond the research team. Would you be willing to provide this information?

- 1 = Yes, Gave Response
- 9 = (VOL) Refused

**(IF Q92=1, ASK ADDRESS MODULE.**

**IF Q92=9, GO TO INSTRUCTIONS BEFORE Q92a.)**

RESPONDENT NAME -: (**ONLY ASK FOR CELL PHONE VERSION (“stypc”=2).**)  
STREET -:  
APT NUMBER -: (**ONLY ASK FOR CELL PHONE VERSION (“stypc”=2).**)  
CITY : (**IF S2 OR Q90 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER**)  
STATE -: (**PRE-POPULATE WITH “CALIFORNIA”**)  
ZIPCODE -: (**IF Q91 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER**)  
(**NOW GO TO “GEOCODE”**)

**(IF Q92=9, ASK Q92a.)**

Q92a. In that case, can you at least provide me with the street that you live on and the closest street that crosses it?

(INTERVIEWER: DO NOT ENTER PARALLEL STREETS. ENTER COMPLETE STREET NAME, INCLUDING “ROAD,” “BOULEVARD,” “AVENUE,” “STREET,” ETC. FOLLOWING NAME.)

(AFTER ENTRY, CONFIRM BY SAYING: “And these two streets are cross-streets; that is, they cross each other? Is that correct?”)

1 = Gave Response  
9 = (VOL) Refused

**(IF Q92a=1, ASK CROSS-STREET MODULE.  
IF Q92a=9, GO TO INSTRUCTIONS BEFORE SR0.)**

STREET -:  
CROSS-STREET:  
CITY: (**IF S2 OR Q90 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER**)  
STATE -: (**PRE-POPULATE WITH “CALIFORNIA”**)  
ZIPCODE -: (**IF Q91 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER**)

**(NOW GO TO “GEOCODE”...ALLOW INCOMPLETE ADDRESS TO CONTINUE.)**

GEOCODE. (**Send information from Q92 or Q92a for live geo-coding. Return the “status code,” “accuracy,” “latitude,” “longitude” and “address/county.”**)

**(IF “accuracy” is >6, write the returned information from “GEOCODE” into the data, then go to instructions before Q94. Store the information from Q92 or Q92a separately from the information returned from “GEOCODE.”**

**IF (“accuracy”<7) OR (“status code”<>200, GO TO Q92v.)**

Q92v. Can I repeat back to you the address you gave me to confirm I recorded it correctly?

1 = Yes  
9 = Refused

**(IF Q92v=1 AND Q92=1, ASK Q93.  
IF Q92v=1 AND Q92a=1, GO TO INSTRUCTIONS BEFORE Q93a.  
IF Q92v=9, GO TO INSTRUCTIONS BEFORE Q94.)**

Q93. [INTERVIEWER: READ BACK AND VERIFY ADDRESS BELOW.]

STREET -: **(PRE-POPULATE WITH ANSWER FROM Q92.)**  
 APT NUMBER -: **(PRE-POPULATE WITH ANSWER FROM Q92.)**  
 CITY -: **(PRE-POPULATE WITH OUTPUT FROM GEO-CODING SEARCH.)**  
 STATE -: **(PRE-POPULATE WITH OUTPUT FROM GEO-CODING SEARCH.)**  
 ZIPCODE -: **(PRE-POPULATE WITH ANSWER FROM Q92.)**

1 = Information is correct  
 2 = EDIT – STREET  
 3 = EDIT – APT NUMBER  
 4 = EDIT – CITY  
 5 = EDIT – STATE  
 6 = EDIT – ZIP CODE  
 9 = (VOL) Refused

**(IF Q93=1, GO TO “GEOCODE2.”**  
**IF Q93=9, GO TO INSTRUCTIONS BEFORE SR0.)**

**(IF Q92v=1 AND Q92a=1, ASK Q93a.)**

Q93a. [INTERVIEWER: READ BACK AND VERIFY ADDRESS BELOW.]

STREET -: **(PRE-POPULATE WITH ANSWER FROM Q92a.)**  
 CROSS-STREET -: **(PRE-POPULATE WITH ANSWER FROM Q92a.)**  
 CITY -: **(PRE-POPULATE WITH OUTPUT FROM GEO-CODING SEARCH.)**  
 STATE -: **(PRE-POPULATE WITH OUTPUT FROM GEO-CODING SEARCH.)**  
 ZIPCODE -: **(PRE-POPULATE WITH ANSWER FROM Q92a.)**

1 = Information is correct  
 2 = EDIT – STREET  
 3 = EDIT – CROSS-STREET  
 4 = EDIT – CITY  
 5 = EDIT – STATE  
 6 = EDIT – ZIP CODE  
 9 = (VOL) Refused

**(IF Q93a=1, GO TO “GEOCODE2”... ALLOW INCOMPLETE ADDRESS TO CONTINUE.**  
**IF Q93a=9, GO TO INSTRUCTIONS BEFORE SR0.)**

**GEOCODE2. (Send information from Q93 or Q93a for live geo-coding. Return the “status code,” “accuracy,” “latitude,” “longitude” and “address/county.”)**

**(Write the returned information from “GEOCODE2” into the data, then go to instructions before Q94. Make sure that the address information from Q92/Q92a, Q93/Q93a, GEOCODE and GEOCODE2 are each stored separately in the data file.)**

**(INSERT TIME STAMP)**



**(IF “totchild”>0, create dummy variable called “recruit” and assign it value of 1, THEN GO TO “Child Survey”).  
ELSE ASK SR0.)**

SR0. I would like to tell you about a follow-up that the Department of Public Health is also conducting. We will offer \$50 for your participation. Can I tell you about that study now?

[If “No,” probe with, “Can we call you back to describe the study when it begins in a few months?”]

- 1 = Yes
- 2 = No/Refused
- 3 = No, but OK to callback in a few months

**(IF SR0=1, GO TO SR1.  
ELSE GO TO CLOSING.)**

SR1. The Department of Public Health wants to obtain more detailed measurements for certain health conditions, such as high blood pressure and diabetes, to better understand the health needs of the county population.

This follow up study, which involves only a brief physical exam and lab testing, will take 45-60 minutes. If you agree to participate, you may be contacted by telephone within the next 2-3 months to schedule an appointment at one of our health centers. All the information you provide in this follow-up visit is completely confidential and will be used only for statistical purposes. Only some of those who agree to participate will be re-contacted.

1 = CONTINUE

SR2. Can I confirm that you will participate in this follow-up study?

- 1 = Yes, would like to participate
- 2 = No, would not like to participate

**(IF SR2=1, ASK SR3.  
ELSE GO TO CLOSING.)**

SR3. Thank you. We appreciate your willingness to participate in this study.

Is this phone number where I first reached you today, (*insert PHONE*), the best way for the Department of Public Health to get in touch with you to schedule a Health Center appointment?

- 1 = Yes
- 2 = No

**(IF SR3=1, ASK SR3a.  
ELSE GO TO INSTRUCTIONS BEFORE SR4.)**

SR3a. In case we don't reach you at first, is there an alternate telephone number where you can be reached between 9:00 am and 7:00 pm on a weekday?

[INTERVIEWER: PROBE TO DETERMINE WHETHER IT IS A LANDLINE OR CELL PHONE NUMBER]

- 1 = Yes, LANDLINE (Specify): \_\_\_\_\_
- 2 = Yes, CELL PHONE NUMBER (Specify): \_\_\_\_\_
- 3 = NO OTHER NUMBER

**(IF SR3=2, ASK SR4.  
ELSE GO TO SR5.)**

SR4. What phone number would you like the Department of Public Health to call you on? You can give me either a landline telephone number, a cell phone number or both.  
(MULTIPLE RECORD)

1 = Gave LANDLINE (Specify): \_\_\_\_\_  
2 = Gave CELL PHONE NUMBER (Specify): \_\_\_\_\_

SR5. Is there any particular time of day, on a weekday between 9:00 am to 7:00 pm that is best for the Department of Public Health to contact you in order to schedule the clinic visit appointment?

1 = Yes (Specify): \_\_\_\_\_  
2 = No

SR5a. So that we can ask for you specifically when we try to re-contact you, could you please provide me with your full name?

(INTERVIEW: If refuses to give name, probe with: "Could I at least have just your first name or initials?")

1 = Gave Name/Initials  
9 = (VOL) Refused

SR6. Thank you again for your willingness to participate. If selected to participate, you may be contacted in 2 to 3 months by the Department of Public Health.

1 = CONTINUE

CLOSING. These are all the questions I have. Thank you very much for participating in this important survey for the Los Angeles County Department of Public Health.

1 = CONTINUE

LANG. INTERVIEWER PLEASE ENTER THE LANGUAGE OF INTERVIEW

1 = ENGLISH  
2 = SPANISH  
3 = CANTONESE  
4 = MANDARIN  
5 = VIETNAMESE  
6 = KOREAN

**(INSERT TIME STAMP)**

## Appendix IV-B: Child Survey Questionnaire

**Programmer:** "INTRODUCTION 1" through "SC2" series only need to be included when setting up the Child Supplemental version (4851S).

**When setting up the Adult Landline (4851L) and Adult Cell Phone (4851C) versions, start with the "INSTRUCTIONS FOR RANDOM SELECTION OF CHILD" section.**

### **INTRODUCTION 1**

Hello. I'm \_\_\_\_\_ and I'm calling on behalf of your Los Angeles County Department of Public Health, whose role is to promote and protect the health of everyone who lives in Los Angeles County. The Department of Public Health is conducting an important survey among Los Angeles County residents..

May I please speak with any adult, 18 years of age or older, who resides in this household?

➤ ENTER APPROPRIATE DISPOSITION

### **INTRODUCTION 2**

We are calling to collect information about the health of children to help the Department better serve the needs of all children in Los Angeles County. Your telephone number was randomly generated by a computer. We are definitely NOT selling anything or asking for money. The survey is absolutely confidential and the answers given will not be associated with your children or your household in any way. This is a public health survey sponsored by your Los Angeles County Department of Public Health. If you have any questions about the survey, you may contact the Los Angeles County Department of Public Health at (213) 240-7785.

1 = CONTINUE

SC1. Is your household located in Los Angeles County?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF SC1=1, GO TO SC2.  
ELSE ASK SC1a.)**

SC1a. In what city or town do you live? (ENTER CITY CODE FROM TACKUP)

(RANGE=1 through 482; 997=Other; 998=Don't Know; 999=Refused)

\_\_\_\_ Enter City Code

**(IF A CITY ON THE LIST IS GIVEN AT SC1a, GO TO SC2.  
IF SC1a = OTHER, DON'T KNOW, OR REFUSED, TERMINATE ("S/O SC1a – NOT in LA County") AND SAY: "I'm sorry but you are not eligible for this survey. We are only interviewing people who currently live in Los Angeles County. Thank you for your time.")**

SC2. How many children live in your household who are...*(insert item)*?

\_\_\_\_ # of Children (RANGE=0 through 20; 98=Don't Know; 99=Refused)

- a. 12 to 17 years old
- b. 6 to 11 years old

c. 5 years of age or YOUNGER

*(Programmer: Create a variable called "totchild" which is the sum of SC2a/SC2b/SC2c. IF "fproj"=4851C OR 4851L, use "totchild" data that was collected from Q78a /Q78b / Q78c.)*  
**IF (SC2a=1 through 20) and (SC2b=98 OR 99) and (SC2c=98 OR 99), set "totchild" to answer from SC2a.**

**IF (SC2a=98 OR 99) and ((SC2b=1 through 20) and (SC2c=98 OR 99)), set "totchild" to answer from SC2b.**

**IF (SC2a=98 OR 99) and (SC2b=98 OR 99) and (SC2c=1 through 20), set "totchild" to answer from SC2c.**

**IF (SC2a=1 through 20) and (SC2b=1 through 20) and (SC2c=98 OR 99), set "totchild" to sum of SC2a/ SC2b.**

**IF (SC2a=1 through 20) and (SC2b=98 OR 99) and (SC2c=1 through 20), set "totchild" to sum of SC2a/ SC2c.**

**IF (SC2a=98 OR 99) and (SC2b=1 through 20) and (SC2c=1 through 20), set "totchild" to sum of SC2b/ SC2c.**

**(IF "totchild">0, GO TO SC2v.**

**IF ("totchild"=0) OR (98 OR 99 TO ENTIRE SC2 series), TERMINATE ("S/O SC2 – No Children Under 18") AND SAY: "I'm sorry but you are not eligible for this survey. We are only interviewing households with any children under 18 years of age. Thank you for your time.")**

SC2v. I just want to confirm that there *(is / are)* a total of *(insert sum of SC2a/SC2b/SC2c) (child / children)* under 18 in your household.

- *(insert from SC2a if 0 through 20)* that *(is / are)* 12 to 17 years old
- *(insert from SC2b if 0 through 20)* that *(is / are)* 6 to 11 years old
- *(insert from SC2c if 0 through 20)* that *(is / are)* 5 years of age or YOUNGER

Is this correct, or did I enter any of your answers INCORRECTLY?

- 1 = All answers are correct
- 2 = One or more answers are INCORRECT
- 9 = (VOL) Refuses to confirm answers

**(IF SC2v=1, GO TO "INSTRUCTIONS FOR RANDOM SELECTION OF CHILD."**

**IF SC2v=2, GO READ DISPLAY BELOW THEN GO BACK TO SC2a.**

**IF SC2v=9, DISPOSITION AS REFUSAL.)**

**Display:** I will now need to go back and re-ask some questions.

1 = CONTINUE

**INSTRUCTIONS FOR RANDOM SELECTION OF CHILD**

**(Programmer: IF "totchild"=1, SELECT THAT CHILD, THEN GO TO R1.**

**IF "totchild">1, RANDOMLY SELECT 1 CHILD FROM AMONGST ALL CHILDREN GIVEN AT Q78a/Q78b/Q78c OR Sc2a/SC2b/SC2c.**

**VARIABLES NEEDED FOR SELECTION"**

**1) CREATE A VARIABLE CALLED "AGE GROUP" TO SHOW THE GROUP FROM WHICH THE CHILD WAS SELECTED.**

**> USE THE FOLLOWING TEXT FOR READ-INS THROUGHOUT THE SURVEY:**

- > "12 to 17" (if selected from Q78a / SC2a)**
- > "6 to 11" (if selected from Q78b / SC2b)**
- > "0 to 5" (if selected from Q78c / SC2c)**

**2) CREATE A VARIABLE CALLED "POSITION" TO INDICATE WHICH CHILD WAS SELECTED FROM WITHIN THE AGE GROUP.**

**> IF THERE WAS ONLY 1 CHILD FROM THE "AGE GROUP" THAT WAS SELECTED, THEN "POSITION" SHOULD BE LEFT BLANK.**

**> IF THERE WAS MORE THAN 1 CHILD FROM THE "AGE GROUP" THAT WAS SELECTED, USE THE FOLLOWING TEXT TO INDICATE WHICH CHILD WAS SELECTED:**

- > "Oldest"**
- > "2<sup>nd</sup> Oldest"**
- > "3<sup>rd</sup> Oldest"**
- > ETC**

**NOW GO TO R1.)**

R1. We would like to speak with the adult in the household who knows the most about the health and daily routines of **(IF "totchild"=1, read: "the child under age 18 who lives there")****(IF "totchild">1, read: "the (insert "position") child who is between the ages of (insert age group) who lives there")**. Are you this person?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF R1=1, ASK R2.**

**IF R1=2 OR 8 OR 9, GO TO INSTRUCTIONS BEFORE R2a.)**

R2. We would like to ask some questions about the health and daily routines of this child. **(IF ADULT SURVEY (4851C OR 4851L), insert: "As a way of reimbursing you for your time, we will pay you \$10 once you have completed the new survey.)** May we continue?

- 1 = Agrees to continue
- 2 = Not able to continue right now / Schedule callback
- 9 = Respondent NOT willing / Refuses to continue

**(IF R2=1, GO TO INSTRUCTIONS BEFORE R3.**

**IF R2=2, SCHEDULE CALLBACK.**

**IF (R2=9) OR (R1=2 OR 8 OR 9), ASK R2a.)**

R2a. Is there another adult who lives in the household who **(IF R1=2 OR 8 OR 9, read: "knows the MOST")**(**IF R2=9, read: "is equally as knowledgeable as you"**) about the health and daily routines of **(IF "totchild"=1, read: "the child under age 18 who lives there")**(**IF "totchild">1, read: "the (insert "position") child who is between the ages of (insert "age group") who lives there"**)?

- 1 = Yes, new respondent brought to phone
- 2 = Yes, but new respondent not available / Schedule Callback
- 3 = Yes, but new respondent NOT willing / Refuses
- 4 = No other adults that are MOST knowledgeable
- 9 = (VOL) Refused / Not willing to transfer call

**(IF R2a=1, GO TO R2b.**

**IF R2a=3 OR 4 OR 9, GO TO INSTRUCTIONS BEFORE C1.**

**IF R2a=2, ASK R2a1.)**

R2a1. Could you please provide me with the name or initials of this person so that we can ask for him/her directly when we call back?

- 1 = Gave Response
- 9 = (VOL) Refused

**(IF R2a1=1, SCHEDULE CALLBACK.**

**IF R2a1=9, GO TO INSTRUCTIONS BEFORE C1.)**

R2b. Hello. I'm \_\_\_\_\_ and I'm calling on behalf of your Los Angeles County Department of Public Health. I had conducted an interview with another adult member of your household, and he/she indicated that you are someone who knows the most about the health and daily routines of **(IF "totchild"=1, read: "the child under age 18 who lives there")**(**IF "totchild">1, read: "the (insert "position") child who is between the ages of (insert age group) who lives there"**). Is this correct?

[INTERVIEWER: IF SAYS THEY ARE EQUALLY AS KNOWLEDGEABLE AS ANOTHER ADULT IN THE HH, RECORD AS "YES."]

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF R2b=1, ASK R2b1.**

**IF R2b=2 OR 8 OR 9, GO TO INSTRUCTIONS BEFORE C1.)**

R2b1. We would like to ask some questions about the health and daily routines of this child. **(IF ADULT SURVEY (4851C OR 4851L), insert: "As a way of reimbursing you for your time, we will pay you \$10 once you have completed the new survey.)** May we continue?

- 1 = Agrees to continue
- 9 = Respondent NOT willing / Refuses to Participate

**(IF R2b1=1, GO TO INSTRUCTIONS BEFORE R3.**

**ELSE GO TO INSTRUCTIONS BEFORE C1.)**

**(IF (ADULT VERSION (4851C or 4851L) AND R2=1)), GO TO C1.**

**IF (CHILD SUPPLEMENT VERSION (4851S) AND R2=1) OR (R2b1=1 OR R3b2a1=1), ASK R3.)**

R3. We can conduct the survey in any of the following languages – English, Spanish, Mandarin, Cantonese, Korean and Vietnamese. In which language would you prefer to be interviewed?

- 1 = English
- 2 = Spanish
- 3 = Mandarin
- 4 = Cantonese
- 5 = Chinese (Unspecified)
- 6 = Korean
- 7 = Vietnamese
- 8 = Asian (Unspecified)
- 9 = Other
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

**(IF R3=1, GO TO C1.**

**IF R3=2 through 8, GO TO R3a.**

**IF R3=9 OR 98, ASK R3b.**

**IF R3=99, INSTRUCTIONS BEFORE C1.)**

R3a. An interviewer fluent in (*read-in from R3*) will call you back soon to conduct the interview in that language. We would greatly appreciate your participation in this important survey when our interviewer calls back.

- 1 = SCHEDULE CALLBACK

**(Programmer: WHEN CALLED BACK, SURVEY SHOULD START AT C1.)**

R3b. We can only conduct the interview in English, Spanish, Mandarin or Cantonese, Korean and Vietnamese. Is there another adult in your household who speaks English or one of these languages AND who knows an equal amount as you about the health and daily routines of (*IF "totchild"=1, read: "the child under age 18 who lives there"*)(*IF "totchild">1, read: "the (insert "position") child who is between the ages of (insert "age group") who lives there"*)?

- 1 = Yes
- 2 = No
- 9 = (VOL) Refused

**(IF R3b=1, ASK R3b1.**

**IF R3b=2 OR 9, DISPOSITION AS LANGUAGE BARRIER.)**

R3b1 May I please speak with that person?

- 1 = Yes, new adult brought to phone
- 2 = Not available now
- 9 = (VOL) Refused

**(IF R3b1=1, GO TO R3b2.**

**IF R3b1=2, ASK R3b1a.**

**IF R3b1=9, INSTRUCTIONS BEFORE C1.)**

R3b1a. Could you please provide me with the name or initials of this person so that we can ask for him/her directly when we call back?

- 1 = Gave Response
- 9 = (VOL) Refused

**(IF R3b1a=1, SCHEDULE CALLBACK.  
IF R3b1a=9, INSTRUCTIONS BEFORE C1.)**

R3b2. Hello. I'm \_\_\_\_\_ and I'm calling on behalf of your Los Angeles County Department of Public Health. I had conducted an interview with another adult member of your household, and he/she indicated that you are someone who knows the most about the health and daily routines of **(IF "totchild"=1, read: "the child under age 18 who lives there")****(IF "totchild">1, read: "the (insert "position") child who is between the ages of (insert age group) who lives there").** Is this correct?

[INTERVIEWER: IF SAYS THEY ARE EQUALLY AS KNOWLEDGEABLE AS ANOTHER ADULT IN THE HH, RECORD AS "YES."]

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF R3b2=1, ASK R3b2a.  
IF R3b2=2 OR 8 OR 9, INSTRUCTIONS BEFORE C1.)**

R3b2a. We would like to ask some questions about the health and daily routines of this child. **(IF ADULT SURVEY (4851C OR 4851L), insert: "As a way of reimbursing you for your time, we will pay you \$10 once you have completed the new survey.)** May we continue?

- 1 = Agrees to continue
- 9 = Respondent NOT willing / Refuses to Participate

**(IF R3b2a=1, GO BACK TO INSTRUCTIONS BEFORE R3.  
ELSE INSTRUCTIONS BEFORE C1.)**

**(INSERT TIME STAMP)**

**(IF (R2a=3 OR 4 OR 9) OR (R2a1=9) OR (R2b=2 OR 8 OR 9) OR (R2b1=9) OR (R3=99) OR (R3b1=9) OR (R3b1a=9) OR (R3b2=2 OR 8 OR 9) OR (R3b2a=9), GO TO SR0.  
ELSE GO TO C1.)**

**Display:** Before we begin I need to tell you that my supervisor periodically monitors these interviews to ensure quality and courtesy.

**CHILD IDENTIFICATION AND BACKGROUND**

C1. So that we can refer to your child by name during the rest of the survey, what is his or her first name?

(INTERVIEWER: IF REFUSED, say: "What are his or her initials?")

\_\_\_\_\_ Enter Name/Initials

**Display:** Most of the questions in this survey will be about the health and daily routines of **(insert name/initials from C1).**

C2. What is **(child)**'s age? **(LACHS 07, 05, 02, 99, 97)**

\_\_\_\_\_ Enter Age (RANGE=0 through 17; 0=Less than 1; 99=Refused)



**(Programmer: Age cannot exceed age range of randomly selected child.)**

**(IF C2=99 AND (RANDOM CHILD IS (6 to 11) OR (12 to 17)), ASK AUTOPUNCH C2a WITH AGE RANGE THAT CORRESPONDS TO RANDOM CHILD.**

**IF C2=99 AND (RANDOM CHILD IS 0 to 5), ASK C2a.**

**IF C2=3 through 17, GO TO C3.**

**IF C2=0 through 2, GO TO INSTRUCTION BEFORE C2b.)**

C2a. Can you tell me generally if (*child*)'s age is...(READ LIST)? (LACHS 07, 05, 02, 99, 97)

- 1 = 2 years old or younger,
- 2 = 3 to 5 years old,
- 3 = 6 to 11 years old, or
- 4 = 12 to 17 years old?
- 9 = (VOL) Refused

**(Programmer: Answer must be consistent with age range of randomly selected child.)**

**(IF (C2=0 through 2) OR (C2a=1), ASK C2b.**

**IF C2a=2 OR 3 OR 4, GO TO C3.**

**IF C2a=9, DISPOSITION AS REFUSAL.)**

C2b. What is (*child*)'s age in months? (LACHS 07, 05, 02 MODIFIED)

\_\_\_\_\_ Enter Months (RANGE=0 through 35; 0=Less than 1 Month;  
98=Don't Know; 99=Refused)

**(IF (C2=0 AND C2b>11) OR (C2=1 AND C2b>23) OR (C2=1 AND C2b<12) OR  
(C2=2 AND C2b<24), GO BACK TO C2.  
ELSE GO TO C3.)**

C3. Is (*child*) a...(READ LIST)? (LACHS 07, 05, 02, 99, 97)

- 1 = Male, or
- 2 = Female?

C4. What is your relationship to (*child*)?

[INTERVIEWER: IF JUST SAYS; "Parent" OR "Mother" OR "Father," PROBE, "Are you the biological mother/father, the step mother/father, the adopted mother/father, or the foster mother/father?"]

- 1 = Biological Mother
- 2 = Biological Father
- 3 = Step-Mother
- 4 = Step-Father
- 5 = Adopted Mother
- 6 = Adopted Father
- 7 = Foster Mother
- 8 = Foster Father
- 9 = Sister
- 10 = Brother
- 11 = Aunt
- 12 = Uncle
- 13 = Grandmother
- 14 = Grandfather
- 98 = Other (specify)\_\_\_\_\_
- 99 = (VOL) Refused

**(IF (R2=1) AND Q5 FROM ADULT SURVEY (4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C5 WITH ANSWER FROM Q5. ELSE ASK C5.)**

C5. [INTERVIEWER: ENTER GENDER BY OBSERVATION. IF UNABLE TO DETERMINE GENDER, READ TEXT BELOW.]

Because it is sometimes difficult to determine over the phone, I am asked to confirm whether you are male or female?

- 1 = Male (AUTOPUNCH IF C4=2 OR 4 OR 6 OR 8 OR 10 OR 12 OR 14)
- 2 = Female (AUTOPUNCH IF C4=1 OR 3 OR 5 OR 7 OR 9 OR 11 OR 13)

**INFANT QUESTIONS**

**(IF (C4=1) AND ((C2=0 through 5) OR (C2a=1 OR 2)), ASK C6. ELSE GO TO INSTRUCTIONS BEFORE C9h.)**

C6. Before you got pregnant with (*child*), did you receive information about any of the following that might help you prepare for pregnancy? (LACHS 07, MCAH)

**C6 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize items)***

- a. multi-vitamin or folic (FOH-LIK) acid supplements
- b. healthy weight for pregnancy
- c. nutrition
- d. the dangers of tobacco smoke exposure
- e. taking care of your gums and teeth
- f. genetic screening

C7. Since the birth of (*child*) did you return to work or begin a new job? (LACHS 07, 05, 02)

(INTERVIEWER: DO NOT COUNT SCHOOL AS A JOB)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C8. The next questions ask about things that may have happened at the hospital where (*child*) was born. (LACHS 07 MODIFIED, 05; PRAMS 2004 MODIFIED; BREASTFEEDING MODULE P29)

[INTERVIEWER: A "Birthing Center" should be considered the same as a hospital.]

***(insert item)***

**C8 Answer Codes**

- 1 = Yes
- 2 = No
- 3 = (VOL) Child NOT born in hospital
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

a. Did you breastfeed or feed breast milk to (*child*) in the hospital?

**(IF C8a=1 OR 3 OR 8 OR 9, ASK C8b.  
ELSE GO TO INSTRUCTIONS BEFORE C8c.)**

b. Did you breastfeed or feed breast milk to **(child)** in the first hour after birth?

**(IF C8a=1 OR 8 OR 9, ASK C8c.  
ELSE GO TO INSTRUCTIONS BEFORE C8d.)**

c. Was **(child)** fed only breast milk at the hospital?

**(IF C8a=1 OR 2 OR 8 OR 9, ASK C8d.  
ELSE GO TO INSTRUCTIONS BEFORE C9.)**

d. Did **(child)** stay in the same room with you in the hospital?

e. Did the hospital give you a telephone number to call for help with breastfeeding?

**(IF (C8a<>1) AND ((C8b<>1) OR (C8b NOT ASKED)) AND ((C8c<>1) OR (C8c NOT ASKED)), ASK C9.  
ELSE GO TO INSTRUCTIONS BEFORE C9a.)**

C9. Was **(child)** ever breastfed or fed breast milk? (CDC NIS 2010, LACHS 07, MODIFIED)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (C8a=1) OR (C8b=1) OR (C8c=1) OR (C9=1), ASK C9a.  
ELSE GO TO INSTRUCTIONS BEFORE C9g.)**

C9a. Are you currently breast-feeding **(child)**? (LACHS 07, 05, 02, 99)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C9a=2, ASK C9b.  
ELSE GO TO C9d.)**

C9b. How old was **(child)** when **(child)** completely stopped breastfeeding or being fed breast milk? (CDC NIS 2010, LACHS 07 MODIFIED)

\_\_\_\_\_ Enter Months (RANGE=0 through 48; 0=Less than 1 Month;  
98=Don't Know; 99=Refused)

**(IF C9b=0 through 5, ASK C9c.  
ELSE GO TO C9d.)**

C9c. Which of the following were reasons why you stopped breastfeeding? (LACHS 07, MODIFIED 05, PRAMS 2004, MODIFIED; BREASTFEEDING MODULE P21)

**(insert item)** Was this a reason?

**Q9c Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. **(child)** had difficulty nursing.
- b. Breast milk alone did not satisfy **(child)**.
- c. You thought **(child)** was not gaining enough weight.

- d. You felt you didn't have enough milk.
- e. You or **(child)** became sick and you could not breastfeed.
- f. Your nipples were sore, cracked or bleeding.
- g. You felt it was the right time to stop breastfeeding.
- h. You went back to work.
- i. **(child)**'s father or other family members didn't want you to breast feed any more.
- j. You were taking medication and you couldn't breastfeed

C9d. How old was **(child)** when **(he/she)** was FIRST fed formula? (New LACHS 2010, CDC NIS 2010)

- 1 = Gave Answer in Days (RANGE=0 to 6)
- 2 = Gave Answer in Weeks (RANGE=1 to 3)
- 3 = Gave Answer in Months (RANGE=1 to 11)
- 4 = Gave Answer in Years (RANGE=1 to 5)
- 5 = (VOL) At birth
- 6 = (VOL) Never / Still only feeding breast milk
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C9e. The next question is about the first thing that **(child)** was given other than breastmilk or formula. Please include juice, cow's milk, sugar water, baby food, or anything else that **(child)** might have been given, even water. How old was **(child)** when **(he/she)** was first fed anything other than breast milk or formula? (CDC NIS 2010, LACHS 05 MODIFIED)

- 1 = Gave Answer in Days (RANGE=0 to 6)
- 2 = Gave Answer in Weeks (RANGE=1 to 3)
- 3 = Gave Answer in Months (RANGE=1 to 11)
- 4 = Gave Answer in Years (RANGE=1 to 5)
- 5 = (VOL) At birth
- 6 = (VOL) Never fed anything other than breast milk or formula
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ((C7=1) AND (C8a=1 OR C8b=1 OR C8c=1 OR C9=1)), ASK C9f.**

**ELSE GO TO C9g.)**

C9f. When you went back to work, did your workplace have accommodations for you to breastfeed? This includes giving you a break time and a place to pump milk or breastfeed your baby. (LACHS 07, 05)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C9g. While you were pregnant with **(child)**, did you participate in WIC (WICK), the supplemental food program for Women, Infants and Children? (LACHS 2005, 2002)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (C2=0 through 5) OR (C2a=1 OR 2), ASK C9h.**

**ELSE GO TO INSTRUCTIONS BEFORE C15.)**

C9h. Has (**child**) ever participated in the WIC (WICK) program? (LACHS 2005, 2002)

(IF NECESSARY: The supplemental food program for Women, Infants and Children.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C10. During (**child**)'s first year, did any professional visit your home to provide information about parenting (**child**), such as a nurse, or social worker? (LACHS 07, MODIFIED, 05, 02 MODIFIED)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C10=1, ASK C10a.**

**ELSE GO TO C11.)**

C10a. During the time you were receiving these services, about how often did someone come to your home? Was it...(READ LIST)? (LACHS 07, MODIFIED, 05, 02 MODIFIED)

- 1 = once,
- 2 = twice, or
- 3 = 3 or more times?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**DAILY ACTIVITIES/FAMILY INTERACTION**

**Display:** The next few questions are about day to day activities that may occur in your family.

C11. How many days IN A TYPICAL WEEK do you or other family members READ to (**child**)? (READ LIST)? (LACHS 07, 05, 02; LACHS 99 MODIFIED; URBAN INSTITUTE'S NATIONALSURVEY OF AMERICA'S FAMILIES; NSECH 2000)

- 1 = Every day,
- 2 = 3 to 6 days,
- 3 = 1 to 2 days, or
- 4 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C12. How many days IN A TYPICAL WEEK do you or other family members TELL STORIES to (**child**)? (READ LIST)? (LACHS 07, 05)

- 1 = Every day,
- 2 = 3 to 6 days,
- 3 = 1 to 2 days, or
- 4 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C13. How many days IN A TYPICAL WEEK do you or other family members PLAY MUSIC OR SING songs with **(child)**? (READ LIST)? (LACHS 07, 05, LACHS 99 MODIFIED; NSECH 2000; DAILY ROUTINES MODULE P44)

- 1 = Every day,
- 2 = 3 to 6 days,
- 3 = 1 to 2 days, or
- 4 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C14. How many days IN A TYPICAL WEEK do you or other family members TEACH LETTERS, WORDS or NUMBERS to **(child)**? (READ LIST)? (NEW LACHS 2010)

- 1 = Every day,
- 2 = 3 to 6 days,
- 3 = 1 to 2 days, or
- 4 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ( C2=2 through 17) OR (C2a=1 through 4), ASK C15.  
ELSE GO TO C16.)**

C15. How many days IN A TYPICAL WEEK does **(child)** eat breakfast? (READ LIST)? (LACHS 07, 05, NSECH 2000 MODIFIED; DAILY ROUTINES MODULE P41)

- 1 = Every day,
- 2 = 3 to 6 days,
- 3 = 1 to 2 days, or
- 4 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**FAST FOOD**

C16. How often does **(child)** eat any food including meals and snacks from a fast food restaurant, like McDonald's, Taco Bell, Kentucky Fried Chicken, or another similar type place? (READ LIST)? (LACHS 07, AMERICAN JOURNAL OF HEALTH PROMOTION ARTICLE, MODIFIED)

(INTERVIEWER: Do NOT count Subway, ToGos or Baja Fresh.)

- 1 = 4 or more times per week,
- 2 = 1 to 3 times per week,
- 3 = Less than once a week but more than once a month, or
- 4 = Less than once a month?
- 5 = (VOL) Never
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C17. On an AVERAGE DAY, about how many sodas or sweetened drinks such as Gatorade, Red Bull or Sunny Delight does **(child)** drink? Do not include diet sodas or sugar-free drinks. Please count a 12-ounce can, bottle or glass as one drink. (LACHS 07, NYCHS 2005, MODIFIED)

(INTERVIEWER: If, after probing, Resp says 3 or less drinks for the entire week, code as "97" (Rarely).)

\_\_\_\_ Enter # (RANGE=0 through 96 ; 97=Rarely; 98=Don't Know; 99=Refused)

**(IF C17=13 through 96, ASK C17v.  
ELSE GO TO C18.)**

C17v. I just wanted to confirm that I correctly entered your response...**(child)** has **(insert from C17)** sodas or sweetened drinks on an average day, correct?

- 1 = Correct
- 2 = NOT correct

**(IF C17v=1, ASK C18.  
IF C17v=2, GO BACK AND RE-ASK C17.)**

**(IF (C2=6 to 17) OR (C2a=3 OR 4), ASK C18.  
ELSE GO TO INSTRUCTIONS BEFORE C20.)**

C18. On an AVERAGE DAY, how many hours does **(child)** spend using a computer for personal e-mail, homework, searching the Internet, chatting online or playing games? This can include using the computer to watch videos, movies or TV shows. Do NOT include time spent using a computer AT school. **(LACHS 07 MODIFIED)**

- 1 = Gave Hours Only (RANGE=0 through 24)
- 2 = Gave Minutes Only (RANGE=0 through 59)
- 3 = Gave Hours and Minutes (USE SAME RANGES AS ABOVE)
- 4 = (VOL) None/Never
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C18=7 through 24 hours, ASK C18v.  
ELSE GO TO C19.)**

C18v. I just wanted to confirm that I correctly entered your response...**(child)** spends an average of **(IF C18=1, read: "(insert from C18) hours") (If C18=3, read: "(insert from C18) hours and (insert from C18) minutes")** on a computer on an average day, correct?

- 1 = Correct
- 2 = NOT correct

**(IF C18v=1, ASK C19.  
IF C18v=2, GO BACK AND RE-ASK C18.)**

C19. On an AVERAGE DAY, how many hours does **(child)** watch television, including videos, DVDs, Tivo or recorded shows or play games on Playstation, XBOX or Wii? Only include time when **(he/she)** is sitting and watching TV or playing games on Playstation, XBOX or Wii. **(LACHS 2007, MODIFIED, 05 ,02)**

- 1 = Gave Hours Only (RANGE=0 through 24)
- 2 = Gave Minutes Only (RANGE=0 through 59)
- 3 = Gave Hours and Minutes (USE SAME RANGES AS ABOVE)
- 4 = (VOL) None/Never
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C19=7 through 24 hours, ASK C19v.  
ELSE GO TO INSTRUCTIONS BEFORE C20.)**

C19v. I just wanted to confirm that I correctly entered your response...**(child)** spends an average of **(IF C19=1, read: "(insert from C19) hours") (If C19=3, read: "(insert from C19) hours and (insert from C19) minutes")** watching TV or playing video games on an average day, correct?

- 1 = Correct
- 2 = NOT correct

**(IF C19v=1, GO TO INSTRUCTIONS BEFORE C20.  
IF C19v=2, GO BACK AND RE-ASK C19.)**

**(IF (C2=0 to 5) OR (C2a=1 OR 2), ASK C20.  
ELSE GO INSTRUCTIONS BEFORE C21.)**

C20. On an AVERAGE DAY, how many hours does **(child)** watch television, including videos, DVDs, Tivo or recorded shows? Only include time when **(he/she)** is sitting and watching TV. (LACHS 2007, MODIFIED, 05 ,02)

- 1 = Gave Hours Only (RANGE=0 through 24)
- 2 = Gave Minutes Only (RANGE=0 through 59)
- 3 = Gave Hours and Minutes (USE SAME RANGES AS ABOVE)
- 4 = (VOL) None/Never
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C20=7 through 24 hours, ASK C20v.  
ELSE GO TO INSTRUCTIONS BEFORE C21.)**

C20v. I just wanted to confirm that I correctly entered your response...**(child)** spends an average of **(IF C20=1, read: "(insert from C20) hours") (If C20=3, read: "(insert from C20) hours and (insert from C20) minutes")** watching TV on an average day, correct?

- 1 = Correct
- 2 = NOT correct

**(IF C20v=1, GO TO INSTRUCTIONS BEFORE C21.  
IF C20v=2, GO BACK AND RE-ASK C20.)**

**(INSERT TIME STAMP)**

**PHYSICAL ACTIVITY**

**(IF (C2=6 to 17) OR (C2a=3 OR 4), ASK C21.  
ELSE GO TO C25.)**

C21. Think about the LAST 7 DAYS... (LACHS 07 MODIFIED, WORLD HEALTH ORGANIZATION, HEALTH BEHAVIOR IN SCHOOL-AGED CHILDREN, 1997-1998)

Not including SCHOOL Physical Education classes, on how many days did **(child)**...**(show only for "c" through "f")**

**(insert item).**

\_\_\_\_\_ Enter Days (RANGE=0 through 7; 8=Don't Know; 9=Refused)

**(show for "a" and "b" only:** INTERVIEWER: If Resp says "6" or "7" days, ask: "Does **(child)** go to school on the weekend also?" If "No," remind Resp that the maximum answer is 5 days.)

- a. On how many days did **(child)**...Walk, bike or skateboard TO school?
- b. On how many days did **(child)** ...Walk, bike, or skateboard FROM school?
- c. Play or practice a team sport such as volleyball, football, basketball, baseball, soccer or swim team?
- d. Participate in activities such as bicycling, rollerblading or skateboarding?
- e. Play physically interactive games such as Wii Sports, Wii Fit, or Dance Dance Revolution (DDR)?
- f. Go to classes to do gymnastics, dance, karate or other similar activities?



**(ASK C22 IMMEDIATELY AFTER EACH ITEM THAT IS 1 to 7 FROM C21.**

**ELSE GO TO C23.)**

C22. On the days that **(child)** did this, about how much time did **(child)** spend doing this? (LACHS 07 MODIFIED, WORLD HEALTH ORGANIZATION, HEALTH BEHAVIOR IN SCHOOL-AGED CHILDREN, 1997-1998)

(IF NECESSARY: Just your best estimate.)

- 1 = Gave Hours Only (RANGE=0 through 7; 7=7 hours or more)
- 2 = Gave Minutes Only (RANGE=0 through 59)
- 3 = Gave Hours and Minutes (USE SAME RANGES AS ABOVE)
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF ITEM FROM C22=6 OR 7 HOURS, ASK C22v IMMEDIATELY.**

**ELSE GO TO NEXT ITEM IN C21. IF NO OTHERS...GO TO C23.)**

C22v. I just wanted to confirm that I correctly entered your response...**(child)** spent **(IF C22=1, read: "(insert from C22) hours") (If C22=3, read: "(insert from C22) hours and (insert from C22) minutes")** doing this, correct?

(IF NEEDED: **(SHOW ITEM FROM C21)**)

- 1 = Correct
- 2 = NOT correct

**(IF C22v=1, GO TO NEXT ITEM. IF NO OTHERS...GO TO C23.  
IF C22v=2, GO BACK AND RE-ASK THAT ITEM FROM C22.)**

C23. In order for **(child)** to have a full, well-rounded education, do you think it is important for **(him/her)** to have **(insert item)**?

**C23 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. Classes in music, dance, theatre, and the visual arts in school
- b. Field trips to cultural and arts experiences
- c. Arts professionals teaching music, dance, theatre or the visual arts in the classroom.

C24. Thinking about yourself and **(child)**'s school...

**(insert item)**?

**C24 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. Do you attend school events like performances, exhibits or athletic games
- b. Do you volunteer, participate in PTA, or fundraise for the school.
- c. Does **(child)**'s school have an arts education policy or plan.

**(ASK ALL)**

C25. How would you rate your community on...(LACHS 2007 subsample, Modified)

...(Insert item)? Would you say...(READ LIST)?

**C25 Answer Codes**

- 1 = Excellent,
- 2 = Good,
- 3 = Fair, or
- 4 = Poor?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. public safety (IF NECESSARY: Public safety is the protection from things that could be dangerous to people.)
- b. access to fresh fruits and vegetables

C26. Is there a park, playground or other safe place for (**child**) to play that you can get to easily? (LACHS 07, 05, 02, 99)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C26=1, ASK C26a.**

**ELSE GO TO INSTRUCTIONS BEFORE C27.)**

C26a. How many days in the PAST 2 WEEKS did (**child**) use the park, playground, or other safe place? (LACHS 07)

\_\_\_\_\_ Enter Days (RANGE=0 through 14; 98=Don't Know; 99=Refused)

**(IF ( C2=1 through 17) OR (C2a=1 through 4), ASK C27.**

**ELSE GO TO C28.)**

C27. In the PAST 4 WEEKS, did (**child**) touch a reptile or amphibian, such as a snake, lizard, turtle or frog? (New LACHS 2010)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C27=1, ASK C27a.**

**ELSE GO TO C28.)**

C27a. Did (**child**) touch...(Insert item)?

**C27a Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. a snake?
- b. a lizard?
- c. a turtle?
- d. a frog?

C28. In general, how would you describe **(child)**'s health? (READ LIST)? (LACHS07, 05, 02, 99; NHIS; CHIS2001; CHIS2003)

- 1 = Excellent,
- 2 = Very Good,
- 3 = Good
- 4 = Fair, or
- 5 = Poor?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**SPECIAL HEALTH NEEDS/DISABILITIES** (LACHS 2005, 2002)

C29. **(Insert item)**

**C29 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. Does **(child)** currently need or use medicine prescribed by a doctor (other than vitamins)?
- b. Does **(child)** need or use more medical care, mental health or educational services than is usual for most children of the same age?
- c. Is **(child)** limited or prevented in any way in **(his/her)** ability to do the things most children of the same age can do?
- d. Does **(child)** need or receive special therapy, such as physical, occupational or speech therapy?
- e. Does **(child)** have any kind of emotional, developmental or behavioral problem for which **(he/she)** needs or receives treatment or counseling?

**(ASK C30 IMMEDIATELY AFTER EACH "YES" TO C29 series.**

**DO NOT ASK C30 IF "YES" TO C29e.**

**ELSE GO TO NEXT ITEM IN C29 series...IF NO OTHER ITEMS, GO TO C32.)**

C30. Is this because of ANY medical, behavioral or other health condition?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(ASK C31 (IMMEDIATELY AFTER EACH "YES" IN C30) OR (IMMEDIATELY AFTER "YES" IN C29e).**

**ELSE GO TO NEXT ITEM IN C29 series. IF NO OTHER ITEMS, GO TO C32.)**

C31. Is this a condition that has lasted or is expected to last for AT LEAST 12 MONTHS?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

## **HEALTH CONDITIONS**

**Display:** The next few questions are about any health conditions (**child**) may have.

C32. Have YOU ever been told by a doctor or other health professional that (**child**) has...**(Insert item)**?  
(LACHS 07, 05 ADULT MODIFIED)

### **C32 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

**(IF (C2=2 through 17) OR (C2a=1 through 4), ASK C32a.  
ELSE GO TO C32b.)**

a. ADD or ADHD (If Needed: Attention Deficit Disorder or Attention Deficit Hyperactivity Disorder)?

**(IF C32a=1, ASK C33a AND C33b IMMEDIATELY.  
ELSE GO TO C32b.)**

C33a. Is (**child**) currently taking medication prescribed by a doctor for ADD or ADHD? (LACHS 07, 02)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C33b. Is (**child**) currently receiving individual or group therapy for ADD or ADHD? (LACHS 07, 02)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

b. autism?

**(IF C32b=1, ASK C33c IMMEDIATELY.  
ELSE GO TO C32c.)**

C33c. Is (**child**) currently receiving individual or group therapy for autism? (LACHS 07)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

c. diabetes (DIE-AH-BE-TEES)?

**(IF C32c=1, ASK C33d IMMEDIATELY.  
ELSE GO TO C32d.)**

C33d. Does (**child**) have Type 1 Diabetes (DIE-AH-BE-TEES) or Type 2 Diabetes (DIE-AH-BE-TEES)?  
(LACHS 07)

- 1 = Type 1 diabetes
- 2 = Type 2 diabetes
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

## d. asthma?

**(IF C32d=1, ASK C33e through C33j IMMEDIATELY.  
ELSE GO TO C34.)**

C33e. Does **(child)** still have asthma? (LACHS 07, 05, 02; NHIS)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C33f. During the PAST 12 MONTHS, has **(child)** had an episode of asthma or an asthma attack? (LACHS 07, 05, 02, 99; NHIS; 2003 CHIS CHILD SURVEY)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C33e=1 OR C33f=1, ASK C33g.  
ELSE GO TO C34.)**

C33g. During the PAST 12 MONTHS, how many days of daycare or school did **(child)** miss due to asthma? Just your best estimate. (LACHS 07, 05; CHIS CHILD SURVEY 2003 MODIFIED)

- 1 = Gave Response (RANGE=0 through 365)
- 2 = **(child)** NOT in Day Care or School / Not Applicable
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C33h. How often does **(child)**'s asthma limit **(his/her)** physical activity? (READ LIST)?

(LACHS 07, 05, 02; LACHS 99 MODIFIED)

- 1 = Always,
- 2 = Most of the time,
- 3 = Sometimes,
- 4 = Rarely, or
- 5 = Never?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C33i. Does **(child)** take prescription medicines - including inhalers - to control **(his/her)** asthma? (LACHS 07,05, 02)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C33j. How many times during the PAST 12 MONTHS did **(child)** visit an emergency room or urgent care center because of asthma? (LACHS 07, 05, NATIONAL ASTHMA SURVEY 2003)

999=Refused) \_\_\_\_\_ Enter Time (RANGE=0 through 365; 998=Don't Know;

**Display:** The next questions are about your understanding of vaccinations.

C34. Do you think that...*(insert item)*?

**C34 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize items)***

- a. It is safe for a child under ONE year of age to get immunized.
- b. It is NORMAL or ACCEPTABLE for a child to experience mild fever, swelling, or mild rash after getting a shot.
- c. Parents should be allowed to send their children to school even if they're NOT immunized.

***(INSERT TIME STAMP)***

**HPV**

**Display:** The next few questions are about *(child)*'s immunization.

***(IF (R2=1) AND Q42 FROM ADULT SURVEY (4851C OR 4851L) =1 AND ((C2=9 through 17) OR (C2a=3 OR 4)), READ DISPLAY BELOW, THEN AUTOPUNCH C35 WITH ANSWER FROM Q42.***

***(IF (R2=1) AND (((Q42 FROM ADULT SURVEY (4851C OR 4851L) <>1) OR (Q42=1 AND ((C2=0 through 8) OR (C2a=1 OR 2)))), DO NOT READ DISPLAY BELOW, THEN AUTOPUNCH C35 WITH ANSWER FROM Q42.***

***ELSE READ DISPLAY, THEN ASK C35.)***

**Display:** Human papilloma (PAP-ILL-OH-MAH) virus (VY-RUS), also called HPV, is a common sexually transmitted infection known to cause cervical cancer in women. A vaccine to prevent HPV infection is available for girls and boys starting at age 9 and is called the cervical cancer vaccine, or HPV shot

C35. Before today, had you ever heard of a vaccine to prevent HPV and cervical cancer? ([LACHS 07, PROJECT CONNECT](#))

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(IF (C35=1) AND ((C2=9 through 17) OR (C2a=3 OR 4)), ASK C35a. ELSE GO TO C36.)***

C35a. Has *(child)* received any HPV shots?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C35a=1, ASK C35b.  
ELSE GO TO C36.)**

C35b. How many HPV shots has **(child)** had?

\_\_\_\_\_ Enter # (RANGE=1 through 3; 4=4 or more; 8=Don't Know; 9=Refused)

[INTERVIEWER: If 4 shots or more than 4 shots, please confirm. Punch code 4 if respondent confirms the amount is correct.

**(IF C35b=1 OR 2, ASK C35c.  
ELSE GO TO C36.)**

C35c. Are you planning on having **(child)** given all 3 HPV shots?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

### **H1N1 VACCINE QUESTIONS**

**(ASK ALL)**

C36. During the past 12 months, did **(child)** get sick with the flu – that is, did **(child)** have a fever ALONG with body aches AND either a sore throat and/or a cough?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C36=1, ASK C36a.  
ELSE GO TO C37.)**

C36a. Did you do any of the following for **(child)** because of the H1N1 flu?

**(insert item)**

**C36a Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. Took **(child)** to a doctor.
- b. Kept **(child)** home from school.
- c. Kept **(child)** away from siblings & friends.
- d. Kept **(child)** in a separate bedroom.
- e. Asked **(child)** to cough into **(his/her)** elbow.

C37. Since October, 2009, did **(child)** get a shot or nasal spray specifically for the H1N1 flu?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (C37=1) AND ((C2=0 through 9) OR (C2a=1 OR 2 OR 3)), ASK C38.  
ELSE GO TO INSTRUCTIONS BEFORE C38a.)**

C38. Did (*child*) receive 1 dose of the shot or nasal spray, or 2?

[INTERVIEWER: If says "More than 2," probe with..."Were any of these shots a seasonal flu shot?"  
If "Yes," say..."Please do NOT include the seasonal flu shot in your count."

- 1 = 1 shot/nasal spray
- 2 = 2 shots/nasal sprays
- 3 = (VOL) More than 2 shots/nasal sprays
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (C37=1), ASK C38a.  
ELSE GO TO INSTRUCTIONS BEFORE C39.)**

C38a. Where did (*child*) get the H1N1 vaccine (**IF C38=2 OR 3, insert:** the FIRST time)? (READ LIST;  
SINGLE RECORD)

- 1 = a community or public health clinic
- 2 = a doctor's office or an HMO like Kaiser (KY-ZER)
- 3 = a pharmacy or retail store
- 4 = at school
- 5 = a church or community center
- 6 = Somewhere else (Specify): \_\_\_\_\_
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C38a=4, GO TO INSTRUCTIONS BEFORE C39.  
ELSE ASK C38b.)**

C38b. Would you have preferred to have (*child*) vaccinated for H1N1 flu AT SCHOOL?

- 1 = Yes
- 2 = No
- 3 = (VOL) Additional shot/nasal spray WAS at school (**show only if Q38=2 OR 3**)
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

## **CHILD CARE**

**(IF (C2=3 to 5) OR (C2a=2), ASK C39.  
ELSE GO TO INSTRUCTIONS BEFORE C40.)**

C39. Is (*child*) in Kindergarten?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (C2=0 to 5) OR (C2a=1 OR 2), ASK C40.  
ELSE GO TO INSTRUCTIONS BEFORE C47.)**

**Display:** Next, some questions about childcare. By childcare, we mean any kind of arrangement where someone other than you or (*child*)'s other parent takes care of (*child*) on a regular basis. Please include care provided by a relative or non-relative, either in your home or someone else's home, as well as in a child care center. Do NOT include occasional babysitting.



- C40. How many hours is **(child)** currently in any kind of childcare during a TYPICAL WEEK? Just your best estimate. Do NOT include care provided by you or **(child)**'s other parent. (LACHS 07, 05, 02 MODIFIED, LACHS 99)

[INTERVIEWER: RESP SHOULD NOT INCLUDE KINDERGARTEN IF THEY ASK.]

\_\_\_\_\_ Enter Hours (RANGE=0 through 80; 98=Don't Know; 99=Refused)

**(IF C40=0, ASK C41.**

**ELSE GO TO INSTRUCTIONS BEFORE C42)**

- C41. Which of the following is a reason why you do NOT use any childcare for **(child)** in a TYPICAL WEEK? (LACHS 07, 05, 02)

**(Insert item)** Is this a reason?

**C41 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. You or **(child)**'s other parent work at home.
- b. You or **(child)**'s other parent work different hours in order to care for **(child)** yourselves.
- c. You or **(child)**'s other parent are not working.
- d. You prefer to stay at home with **(child)**.
- e. Child care costs too much.
- f. The child care you want is full or not available.
- g. Transportation is a problem.
- h. Your child has a disability or other special needs.
- i. The childcare program is offered only part of the day.

**(IF C40=1 through 80, ASK C42.**

**ELSE GO TO C45.)**

- C42. Which of the following types of childcare do you use for **(child)** on a regular basis? (LACHS 07, 05, 02 MODIFIED; LACHS 99)

**(Insert item)**

(IF NECESSARY: We don't need to know where, but are just interested in the type of program.)

**C42 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. Head Start or a State Preschool program (IF NECESSARY, SAY: Head Start is a federally-sponsored childcare program. State Preschools are funded by the state.)
- b. A childcare center, preschool or nursery school (other than Head Start or a state pre-school program).
- c. Someone cares for **(child)** in THEIR home.

**(IF C42c=1, ASK C43a. ELSE GO TO C42d.)**

C43a. Is this person a LICENSED family or home day care provider? (LACHS 07, 05, 02, 99)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C43b. Is this person a RELATIVE, such as a brother, sister or grandparent, or a NON-RELATIVE, such as a friend, neighbor, nanny or au pair (OH-PAIR)? (LACHS 07, 05, 02)

- 1 = Relative
- 2 = Non-Relative
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

d. Someone cares for **(child)** in YOUR home.

**(IF C42d=1, ASK C43c. ELSE GO TO INSTRUCTIONS BEFORE C44.)**

C43c. Is this person a RELATIVE, such as a brother, sister or grandparent, or a NON-RELATIVE, such as a friend, neighbor, nanny or au pair (OH-PAIR)? (LACHS 07, 05, 02)

- 1 = Relative
- 2 = Non-Relative
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF MORE THAN 1 "YES" GIVEN AT C42a through C42d, ASK C44. ELSE GO TO C45.)**

C44. You mentioned that you currently use the following types of childcare for **(child)** ...

...(insert each "YES" from C42a through C42d) .

Which of these do you use MOST for **(child)**? (LACHS 07, 05, 02)

**(Programmer: Only show those codes which are "Yes" to the corresponding question in C42a through C42d)**

- 1 = Head Start or State Pre-School Program
- 2 = a child care center, pre-school or nursery school
- 3 = Someone cares for **(child)** in THEIR home
- 4 = Someone cares for **(child)** in YOUR home
- 5 = (VOL) None are used the most / All are used equally
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C45. Overall, how easy or difficult is it for you to get childcare for **(child)** on a regular basis when you need it? (READ LIST)? (LACHS 07, 05, 02)

- 1 = Very easy,
- 2 = Somewhat easy,
- 3 = Somewhat difficult,
- 4 = Very difficult, or
- 5 = Does not need child care?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C45=3 OR 4, ASK C45a.  
ELSE GO TO INSTRUCTIONS BEFORE C46.)**

**(child)** on C45a. Which of the following are reasons why it is difficult TO FIND OR KEEP childcare for a regular basis? (LACHS 07, 05, 02 MODIFIED; LACHS 99)

**(insert item)** Is this a reason?

**C45a Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize items)***

- a. Child care costs too much.
- b. It is difficult to find a provider with space available.
- c. The hours and location don't fit your needs.
- d. The quality of the childcare is not satisfactory.
- e. The providers are unreliable - for example, they quit without notice or are late.
- f. **(child)** has a disability or other special needs.

**(IF (C2=0 to 5) OR (C2a=1 OR 2), ASK C46.  
ELSE GO TO INSTRUCTIONS BEFORE C47.)**

C46. Have you ever heard of a telephone information line for parents called the First 5 LA Parent Helpline? (LACHS 07, 05 MODIFIED; FIRST 5-LA 04)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C46=1, ASK C46a.  
ELSE GO TO INSTRUCTIONS BEFORE C47.)**

C46a. From which of the following sources have you heard something about First 5 LA Parent Helpline? (READ LIST; MULTIPLE RECORD) (LACHS 07 MODIFIED, 05 MODIFIED; FIRST 5-LA 04)

- 1 = TV
- 2 = Radio, Newspapers or Ads (bus signs or billboards)
- 3 = doctor, a social worker, other health professional, or community health worker or promotora
- 4 = family or friends
- 5 = Brochures, pamphlets or flyers
- 6 = School or Community Organizations
- 7 = Internet
- 8 = Some other place?
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

C46b. Have you yourself ever called First 5 LA Parent Helpline? (LACHS 07, 05 MODIFIED; FIRST 5-LA 04)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (C2=0 through 5) OR (C2a=1 OR 2), ASK C47.  
ELSE GO TO C48.)**

C47. Thinking about the PAST MONTH, how much of the time have you felt... (LACHS 07, 05, LACHS 02 MODIFIED; LACHS 99; URBAN INSTITUTE NATIONAL SURVEY ON AMERICA'S FAMILIES 1999)

...(Insert item)? (READ LIST)?

**C47 Answer Codes**

- 1 = All of the time,
- 2 = Most of the time,
- 3 = Some of the time, or
- 4 = None of the time?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(Randomize items)***

- a. that (**child**) was much harder to care for than most children?
- b. that (**child**) does things that really bother you a lot?
- c. that you were giving up too much of your life to meet (**child**)'s needs?
- d. angry with (**child**)?

***(INSERT TIME STAMP)***

**HEALTH INSURANCE**

C48. Is (**child**) covered by health insurance or any other kind of health care plan?

(IF NECESSARY, SAY: This includes health insurance obtained through an employer, purchased directly, HMOs or pre-paid plans like Kaiser (KY-ZER), government programs such as Medi-Cal, Medicaid, Healthy Families or Healthy Kids, military programs such as Champus, Champ VA, or the Indian Health Service. (LACHS 07, 05, 02 MODIFIED 99, 97)

- 1 = Yes, Covered
- 2 = No, NOT Covered
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(IF Q48=1 OR 8 OR 9, ASK Q49 series.  
ELSE GO TO INSTRUCTIONS BEFORE Q50.)***

C49. Is (**child**) currently covered for health insurance...(insert item)?

**C49a-f Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- g. through your own or some other family member's EMPLOYER, UNION, TRADE ASSOCIATION, SCHOOL OR BUSINESS. (LACHS 07, 05, 02, 99, 97)

- h. under MEDI-CAL or MEDICAID. (IF NECESSARY, SAY: the government's health insurance program for certain low-income children and their families, pregnant women, and certain persons who are disabled or who are seniors) (LACHS 07, 05, 02 MODIFIED, 99, 97)
- i. under HEALTHY FAMILIES, a state program that pays for health insurance for some children up to age 19. (LACHS 07, 05, 02 MODIFIED, 99)
- j. under HEALTHY KIDS, the insurance program in Los Angeles County for children who are not eligible for Medi-Cal, Medicaid or Healthy Families. (LACHS 07, 05)
- k. under your own or some other family member's MILITARY INSURANCE PROGRAM (like Champus or VA coverage) (LACHS 07, 05, 02, 99, 97)

**(IF C49a through C49e ARE ALL NOT "YES", ASK C49f.  
ELSE GO TO INSTRUCTIONS BEFORE C50.)**

- l. through a SEPARATE POLICY that you or some other family member bought directly from an Insurance Provider.

**(IF C49a through C49f ARE ALL NOT "YES", ASK C49g.  
ELSE GO TO INSTRUCTIONS BEFORE C50.)**

- m. What is the type or name of (*child*) insurance? (LACHS 07, 05)

- 1 = Gave Response
- 2 = (VOL) NOT Insured
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C48=2, ASK C50 series.  
ELSE GO TO INSTRUCTIONS BEFORE C51.)**

- C50. There are some types of coverage you may not have considered. Is (*child*) currently covered for health insurance...(*insert item*)?

**C50a-f Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- f. through your own or some other family member's EMPLOYER, UNION, TRADE ASSOCIATION, SCHOOL OR BUSINESS. (LACHS 07, 05, 02)
- g. under MEDI-CAL or MEDICAID. (IF NECESSARY, SAY: the government's health insurance program for certain low-income children and their families, pregnant women, and certain persons who are disabled or who are seniors) (LACHS 07, 05, 02 MODIFIED)
- h. under HEALTHY FAMILIES, a state program that pays for health insurance for some children up to age 19. (LACHS 07, 05, 02 MODIFIED)
- i. under HEALTHY KIDS, the insurance program in Los Angeles County for children who are not eligible for Medi-Cal, Medicaid or Healthy Families. (LACHS 07, 05)
- j. under your own or some other family member's MILITARY INSURANCE PROGRAM (like Champus or VA coverage) (LACHS 07, 05, 02)

**(IF C50a through C50e ARE ALL NOT “YES”, ASK C50f.  
ELSE GO TO INSTRUCTIONS BEFORE C51.)**

k. through a SEPARATE POLICY that you or some other family member bought directly from an Insurance Provider.

**(IF ((ANY C49a through C49f=1) OR (C49g=1)) OR (ANY C50a through C50f=1), ASK C51.  
ELSE GO TO C52.)**

C51. During the past 12 months, has (*child*) had any periods when (*he/she*) had NO health insurance and (*he/she*) was NOT covered under anyone else’s plan or government health insurance program, like Medi-Cal or Healthy Families? (LACHS 07, 05, 02 ADULT MODIFIED)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don’t Know
- 9 = (VOL) Refused

**(ASK ALL)**

C52. When (*child*) is sick or you want advice about (*his/her*) health, is there one particular place or health provider that you take (*him/her*) to MOST often? (LACHS 07, 05, 02, 99, 97)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don’t Know
- 9 = (VOL) Refused

**(IF C52=2 OR 8 OR 9, ASK C52a.  
ELSE GO TO C53.)**

C52a. Is that because you have MORE than one place to take (*child*) or is it because you have NO regular place to take (*him/her*)? (LACHS 07, 05, 02, 99, 97)

- 1 = More than 1 place
- 2 = No place to go
- 8 = (VOL) Don’t Know
- 9 = (VOL) Refused

**(IF C52a=1 OR 8 OR 9, ASK C52b.  
ELSE GO TO C53.)**

C52b. Is there a particular place that you take (*child*) more often than any other place? (LACHS 07, 05, 02, 99, 97)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don’t Know
- 9 = (VOL) Refused

## **BARRIERS TO ACCESSING HEALTH CARE**

**(ASK ALL)**

C53. Overall, how easy or difficult is it for (*child*) to get medical care when (*he/she*) needs it? Would you say it is...(READ LIST)? (LACHS 07, 05, 02)

- 1 = Very difficult,,
- 2 = Somewhat difficult,
- 3 = Somewhat easy, or
- 4 = Very easy?
- 8 = (VOL) Don’t Know
- 9 = (VOL) Refused

**(IF (C2=3 through 17) OR (C2a=2 through 4), ASK C54.  
ELSE GO TO C55.)**

C54. In the PAST 12 MONTHS have you tried to get MENTAL OR BEHAVIORAL health care for **(child)**?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C54=1, ASK C54a.  
ELSE GO TO C55.)**

C54a. Overall, how easy or difficult is it for you to get MENTAL OR BEHAVIORAL health care when you need it for **(child)**? (READ LIST)?

- 1 = Very difficult,,
- 2 = Somewhat difficult,
- 3 = Somewhat easy, or
- 4 = Very easy?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF INTERVIEW IS NON-ENGLISH, ASK C54b.  
ELSE GO TO C55.)**

C54b. During the PAST 12 MONTHS, was there ever a time when you had trouble speaking to a doctor or other health care provider about **(child)**'s MENTAL OR BEHAVIORAL health because he or she did not speak your language?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C55. In the PAST YEAR, was there ever a time when **(child)** needed...

...(insert item)... but didn't get it because you could not afford it? (LACHS 07, 05, 02, 99; NHIS)

**C55 Answer Codes**

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(Randomize items)**

- a. to see a doctor for a physical exam or well **(IF C2=0 to 2 OR C2a=1, insert: baby) (IF C2=3 to 17 OR C2a=2 OR 3 OR 4, insert: child) check-up**
- b. to see a doctor when **(child)** had an illness or other health problem
- c. prescription medicines

**(IF (C2=2 through 17) OR (C2a=1 through 4), ASK C55d.  
ELSE GO TO INSTRUCTIONS BEFORE C55e.)**

d. dental care, including check-ups

**(IF (C2=3 to 17) OR (C2a=2 OR 3 OR 4), ASK "e".  
ELSE GO TO INSTRUCTIONS BEFORE C56.)**

e. mental health care or counseling

**(IF ( C2=2 through 17) OR (C2a=1 through 4), ASK C56.  
ELSE GO TO C57.)**

C56. About how long has it been since **(child)** last visited a dentist or dental clinic? Include dental hygienists and all types of dental specialists. (READ LIST)? (LACHS 07, CHIS CHILD 2005)

- 1 = Never,
- 2 = Less than 1 year ago,
- 3 = 1 year up to 2 years ago,
- 4 = 2 years up to 5 years ago, or
- 5 = 5 or more years ago?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C57. Is **(child)** covered by any type of insurance that pays for part or all of **(his/her)** dental care? (LACHS 07, CHIS CHILD 2005)

(IF NEEDED: Your insurance may be dental insurance, prepaid dental plans such as HMOs, or government programs such as Medi-Cal or Healthy Families. Do not include free programs.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

#### **PARENTAL SUPPORT**

**(IF (C2=0 to 5) OR (C2a=1 OR 2), ASK C58.  
ELSE GO TO INSTRUCTIONS BEFORE C61.)**

C58. How easy or difficult is it to find someone you can talk to when you need advice about how to raise **(child)**? (READ LIST)? (LACHS 07, 05, 02, 99)

- 1 = Very easy,
- 2 = Somewhat easy,
- 3 = Somewhat difficult, or
- 4 = Very difficult?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

C59. Do you know where to go when you feel you need assistance in helping **(child)** learn? (LACHS 07 FIRST 5 LA)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q14a/Q14b FROM ADULT SURVEY (fproj=4851C OR 4851L) ARE ALREADY ANSWERED,**

**AUTOPUNCH C61a/C61b WITH ANSWER FROM Q14a/Q14b.**

**ELSE ASK C61.)**



C61. Now, thinking about the PAST TWO WEEKS, how often have you been bothered by...? (PHQ-2 QUESTIONS; New LACHS 2010)

*(Insert item)?* Would you say...(READ LIST)?

**C61 Answer Codes**

- 1 = Not at all,
- 2 = Several days,
- 3 = More than half the days, or
- 4 = Nearly every day?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

- a. Little interest or pleasure in doing things.
- b. Feeling down, depressed or hopeless.

**SMOKING**

***(IF C4=1, ASK C62.  
ELSE GO TO C63.)***

C62. Did you smoke cigarettes at any time WHEN YOU WERE PREGNANT with **(child)**? (New LACHS 2010 NHIS, MODIFIED)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(IF C62=1, ASK C62a.  
ELSE GO TO C63.)***

C62a. At any time DURING YOUR PREGNANCY, did you stop smoking for one day or longer because you were trying to quit? (New LACHS 2010, PRAMS)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

***(INSERT TIME STAMP)***

**CHILD DEMOGRAPHICS**

***Display:*** The next few questions ask about **(child)**'s ethnic and racial background.

C63. Is **(child)** of Latino or of Hispanic origin?

(IF NECESSARY: Such as Mexican-American, Latin American, Central or South American, or Spanish-American?)

- 1 = Yes, Hispanic
- 2 = No, NOT Hispanic
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C63=1, ASK C63a.  
ELSE GO TO C64.)**

C63a. Is **(child)** of Mexican ancestry or some other Hispanic ancestry? (MULTIPLE RECORD)

- 1 = Mexican
- 2 = Other Hispanic
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C63a=2, ASK C63b.  
ELSE GO TO C64.)**

C63b. Which of the following best describes **(child)**'s (other) Hispanic ancestry or ethnic origin? (READ LIST; MULTIPLE RECORD)

- 1 = Salvadoran
- 2 = Guatemalan
- 3 = Costa Rican
- 4 = Honduran
- 5 = Nicaraguan
- 6 = Panamanian
- 7 = Argentinian
- 8 = Colombian
- 9 = Peruvian
- 10 = Other South American (Specify): \_\_\_\_\_
- 11 = Spanish-American
- 12 = Cuban
- 13 = Puerto Rican
- 14 = Other (Specify): \_\_\_\_\_
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

C64. For classification purposes, we'd like to know what **(child)**'s racial background is. Is **(he/she)** White or Caucasian, Black or African-American, Asian, Pacific Islander, American Indian or an Alaskan native, a member of another race, or a combination of these? (MULTIPLE RECORD)

- 1 = White / Caucasian
- 2 = Black / African-American
- 3 = Asian
- 4 = Pacific Islander
- 5 = American Indian / Alaskan Native
- 6 = (VOL) Hispanic / Latino
- 7 = Other (Specify): \_\_\_\_\_
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (C63=1 AND C64=1 through 5 OR 7) OR (MORE THAN 1 RESPONSE GIVEN FOR CODES 1 THROUGH 7 AT C64), ASK C64m.**

**ELSE GO TO INSTRUCTIONS BEFORE C64a.)**

C64m. Of the ones that you provided, which racial group **(IF C63=1 OR C64=6 or 7, insert: "or ethnicity")**, if any, do you think BEST represents **(child)**'s race, or with which **(he/she)** MOST CLOSELY identifies?

**(Programmer: Show only those codes which were selected at C64)**

- 1 = White / Caucasian
- 2 = Black / African-American
- 3 = Asian
- 4 = Pacific Islander
- 5 = American Indian / Alaskan Native
- 6 = Hispanic / Latino **(also show if C63=1)**
- 7 = **(insert verbatim response from "Other" given at C64)**
- 8 = or does **(child)** consider **(him/herself)** Multi-Racial
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

**(IF (C64=3 OR 4), ASK C64a.**

**ELSE GO TO C65.)**

C64a. Which of the following best describes **(child)**'s Asian ancestry or ethnic origin? (READ LIST; MULTIPLE RECORD)

- 1 = Chinese
- 2 = Korean
- 3 = Filipino
- 4 = Japanese
- 5 = Vietnamese
- 6 = Asian Indian
- 7 = Cambodian
- 8 = Hawaiian
- 9 = Guamanian
- 10 = Samoan
- 11 = Laotian/Hmong (Mong)
- 12 = Other (Specify): \_\_\_\_\_
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

C65. Was **(child)** born in Los Angeles County, in some other place in California, in some other state in the U.S. or outside the United States?

- 1 = LA County
- 2 = Other California
- 3 = Other U.S. State
- 4 = Outside the U.S.
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF C65=4, ASK C65a.**

**ELSE GO TO INSTRUCTIONS BEFORE C66.)**

C65a. How many years has **(child)** lived in the United States?

\_\_\_\_\_ # of Years (RANGE=0 through 17; 0=Less than 1 year; 98=Don't Know; 99=Refused)

**(Programmer: Answer can NOT exceed age from C2/C2a.)**

C65b. Is (*child*) currently a U.S. citizen or not?

- 1 = Yes, U.S. Citizen
- 2 = No, NOT a U.S. Citizen
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**PARENT DEMOGRAPHICS**

**(IF (R2=1) AND Q6 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C66 WITH ANSWER FROM Q6. ELSE ASK C66.)**

C66. What is your age?

\_\_\_\_\_ Record Age (RANGE=18 through 125; 999=Refused)

**(IF C66=97 through 125 OR 999, ASK C66v. ELSE GO TO INSTRUCTIONS BEFORE C66a.)**

C66v. INTERVIEWER: PLEASE CONFIRM THAT YOU INTENDED TO ENTER (*insert from C66*)  
TO THE PREVIOUS QUESTION.]

- 1 = Yes, I correctly entered the response
- 2 = No, I made an error when entering the response

**(IF C66v=1, GO TO INSTRUCTION BEFORE C66a. IF C66v=2, GO BACK TO C66 and RE-ASK.)**

**(IF (R2=1) AND Q6a FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C66a WITH ANSWER FROM Q6a. OTHERWISE...**

**IF Q66=999, ASK C66a. ELSE GO TO INSTRUCTIONS BEFORE C67.)**

C66a. We don't need to know exactly, but generally speaking are you between ages...(READ LIST)?

- 1 = 18 to 24
- 2 = 25 to 29
- 3 = 30 to 39
- 4 = 40 to 44
- 5 = 45 to 49
- 6 = 50 to 59
- 7 = 60 to 64
- 8 = 65 or older?
- 9 = (VOL) Refused

**Display:** The next few questions ask about your ethnic and racial background.

**(IF (R2=1) AND Q65 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C67 WITH ANSWER FROM Q65.**

**ELSE ASK C67.)**

C67. Are you of Latino or Hispanic origin?

(IF NECESSARY: Such as Mexican-American, Latin American, Central or South American, or Spanish-American?)

- 1 = Yes, Hispanic
- 2 = No, NOT Hispanic
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q65a FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C67a WITH ANSWER FROM Q65a. OTHERWISE...**

**IF C67=1, ASK C67a.**

**ELSE GO TO INSTRUCTIONS BEFORE C68.)**

C67a. Are you of Mexican ancestry or some other Hispanic ancestry? (MULTIPLE RECORD)

- 1 = Mexican
- 2 = Other Hispanic
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q65b FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C67b WITH ANSWER FROM Q65b. OTHERWISE...**

**IF C67a=2, ASK C67b.**

**ELSE GO TO INSTRUCTIONS BEFORE C68.)**

C67b. Which of the following best describes your (other) Hispanic ancestry or ethnic origin? (READ LIST; MULTIPLE RECORD)

- 1 = Salvadoran
- 2 = Guatemalan
- 3 = Costa Rican
- 4 = Honduran
- 5 = Nicaraguan
- 6 = Panamanian
- 7 = Argentinian
- 8 = Colombian
- 9 = Peruvian
- 10 = Other South American (Specify): \_\_\_\_\_
- 11 = Spanish-American
- 12 = Cuban
- 13 = Puerto Rican
- 14 = Other (Specify): \_\_\_\_\_
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

**(IF (R2=1)) AND Q66 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C68 WITH ANSWER FROM Q66.**

**ELSE ASK C68.)**

C68. For classification purposes, we'd like to know what your racial background is. Are you White or Caucasian, Black or African-American, Asian, Pacific Islander, American Indian or an Alaskan native, a member of another race, or a combination of these? (MULTIPLE RECORD)

- 1 = White / Caucasian
- 2 = Black / African-American
- 3 = Asian
- 4 = Pacific Islander
- 5 = American Indian / Alaskan Native
- 6 = (VOL) Hispanic / Latino
- 7 = Other (Specify): \_\_\_\_\_
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**((IF (R2=1)) AND Q66m FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C68m WITH ANSWER FROM Q66m. OTHERWISE... IF (C67=1 AND C68=1 5 OR 7) OR (MORE THAN 1 RESPONSE GIVEN FOR CODES 1 THROUGH**

**7 AT C68), ASK C68m.**

**ELSE GO TO INSTRUCTIONS BEFORE C68a.)**

C68m. Of the ones that you provided, which racial group **(IF C67=1 OR C68=6 or 7, insert: "or ethnicity")**, if any, do you think BEST represents your race, or with which you MOST CLOSELY identify?

**(Programmer: Show only those codes which were selected at C68)**

1 = White / Caucasian

2 = Black / African-American

3 = Asian

4 = Pacific Islander

5 = American Indian / Alaskan Native

6 = Hispanic / Latino **(also show if C67=1)**

7 = **(insert verbatim response from "Other" given at C68)**

8 = or do you consider yourself Multi-Racial

98 = (VOL) Don't Know

99 = (VOL) Refused

**(IF (R2=1) AND Q66a FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C68a WITH ANSWER FROM Q66a. OTHERWISE...**

**IF (C68=3 OR 4), ASK C68a.**

**ELSE GO TO INSTRUCTIONS BEFORE C69.)**

C68a. Which of the following best describes your Asian ancestry or ethnic origin? (READ LIST; MULTIPLE RECORD)

1 = Chinese

2 = Korean

3 = Filipino

4 = Japanese

5 = Vietnamese

6 = Asian Indian

7 = Cambodian

8 = Hawaiian

9 = Guamanian

10 = Samoan

11 = Laotian/Hmong (Mong)

12 = Other (Specify): \_\_\_\_\_

98 = (VOL) Don't Know

99 = (VOL) Refused

**(IF Q67 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED,  
AUTOPUNCH C69 WITH ANSWER FROM Q67.  
ELSE ASK C69.)**

C69. Which language is spoken most often in your home? (DO NOT READ LIST)

- 1 = English
- 2 = Spanish
- 3 = Mandarin
- 4 = Cantonese
- 5 = Chinese (unspecified)
- 6 = Korean
- 7 = Vietnamese
- 8 = Tagalog (TUH-GAH-LAWG)
- 9 = Armenian
- 10 = Russian
- 11 = Japanese
- 12 = Hmong
- 13 = Other (Specify): \_\_\_\_\_
- 98 = (VOL) Don't Know
- 99 = (VOL) Refused

**(IF (R2=1) AND Q64 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED,  
AUTOPUNCH C70 WITH ANSWER FROM Q64.  
ELSE ASK C70.)**

C70. Were you born in California, in some other state in the U.S. or outside the United States?

- 1 = California
- 2 = Other U.S. State
- 3 = Outside the U.S.
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q64a FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY  
ANSWERED, AUTOPUNCH C70a WITH ANSWER FROM Q64a. OTHERWISE...**

**IF C70=3, ASK C70a.**

**ELSE GO TO INSTRUCTIONS BEFORE C71.)**

C70a. In which country were you born? (ENTER COUNTRY CODE FROM TACKUP)

(RANGE=1 through 58; 97=Other (Specify); 98=Don't Know; 99=Refused)

\_\_\_\_\_ Enter Country Code

**(IF (R2=1) AND Q64b FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY  
ANSWERED, AUTOPUNCH C70b WITH ANSWER FROM Q64b.  
ELSE ASK C70b.)**

**ELSE ASK C70b.)**

C70b. How many years have you lived in the United States?

\_\_\_\_\_ # of Years (RANGE=0 through 125; 0=Less than 1 year, 998=Don't Know;  
999=Refused)

**(Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT C66/C66a.)**

**(IF (R2=1) AND Q64c FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C70c WITH ANSWER FROM Q64c. ELSE ASK C70c.)**

C70c. Are you currently a U.S. citizen or not?

- 1 = Yes, U.S. Citizen
- 2 = No, NOT a U.S. Citizen
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q68 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C71 WITH ANSWER FROM Q68. ELSE ASK C71.)**

C71. What is the highest level of school you have completed or the highest degree you have received?

(IF HIGH SCHOOL, ASK: What was the highest grade you completed?)

(If says COLLEGE, Probe: "Is that some college, a 2-year or Associate's Degree, or a 4-year or Bachelor's Degree?")

- 1 = 8th grade or less
- 2 = Grades 9-12
- 3 = High school graduate / GED
- 4 = Some college / trade school / associates degree
- 5 = College graduate (4-year)
- 6 = Post-graduate degree
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q75 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C72 WITH ANSWER FROM Q75. ELSE ASK C72.)**

C72. What is your marital status? Are you...(READ LIST)?

- 1 = Married,
- 2 = Domestic partners,
- 3 = Not married but living together,
- 4 = Widowed,
- 5 = Divorced,
- 6 = Separated, or
- 7 = Never married
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q76 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C73 WITH ANSWER FROM Q76. ELSE ASK C73.)**

C73. Now I'll read a list of terms people sometimes use to describe themselves. As I read the list, please stop me when I get to the term that best describes how you think of yourself. (2009, 2007, 2004 NYC; 2004 NYC BRFS)

**(Randomize code 1 through 3)**

- 1 = Heterosexual / Straight
- 2 = Homosexual / Gay / Lesbian
- 3 = Bi-sexual
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused



**(IF Q17n FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED,  
AUTOPUNCH C74 WITH ANSWER FROM Q17n.  
ELSE ASK C74.)**

C74. Are you currently working for pay full-time - at least 35 hours a week, part-time, or not at all? (LACHS 07, 05)

- 1 = Full-time
- 2 = Part-time
- 3 = Not at all
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**EMPLOYMENT OF OTHER PARENT**

**(IF C72=1 OR 2 OR 3, ASK C75.  
ELSE GO TO INSTRUCTIONS BEFORE C76.)**

**Display:** Thinking about the employment situation of your (*spouse / partner*).

C75. Is your (*spouse / partner*) currently working for pay full-time - at least 35 hours a week, part-time, or not at all?

- 1 = Full-time
- 2 = Part-time
- 3 = Not at all
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**OTHER HOUSEHOLD INFORMATION**

**(IF Q77 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED,  
AUTOPUNCH C76 WITH ANSWER FROM Q77.  
ELSE ASK C76.)**

C76. Including yourself, how many people currently live in your household?

\_\_\_\_ # of People (RANGE=2 through 20; 98=Don't Know; 99=Refused)

**(IF C76=<"totchild", ASK C76v.  
ELSE GO TO INSTRUCTIONS BEFORE C76a.)**

C76v. Earlier you mentioned that there were a total of (*insert "totchild"*) children in your household.

However, you are now saying that there are only (*insert from C76*) total people in the household. Which of those answers did I enter INCORRECTLY? (READ LIST)

- 1 = The (*insert "totchild"*) children in the household is NOT correct, or
- 2 = The (*insert from C76*) total people in the household is NOT correct?
- 9 = (VOL) Refused

**(IF C76v=1, ASK C76v1.  
IF C76v=2, GO BACK TO C76.  
IF C76v=9, GO TO INSTRUCTIONS BEFORE C76a.)**

C76v1. Can you please tell me the correct number of total children under the age of 18 years old that live in your household?

(RANGE=1 through 20; 98=Don't know; 99=Refused)

\_\_\_\_\_ # of Children

**(Programmer: Update "totchild" with answer from C76v1. If DK/REF, do NOT update.)**

**(IF Q77a FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C76a WITH ANSWER FROM Q77a. OTHERWISE...**

**IF C76=2 through 20, ASK C76a.**

**ELSE GO TO C77.)**

C76a. **(IF C66=65+ OR C66a=8, read: Including yourself,)** H/how many are adults age 65 or older?

\_\_\_\_\_ # of People (RANGE=0 through 20; 98=Don't Know; 99=Refused)

**(Programmer: Answer can NOT exceed C76.)**

**(IF Q77b FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C76b WITH ANSWER FROM Q77b.**

**ELSE ASK C76b.)**

C76b. **(IF C66<65 AND C66a<>8, read: Including yourself,)** H/how many are adults between the ages of 18 and 64? (LACHS 02, 99, 97 REVISED)

\_\_\_\_\_ # of People (RANGE=0 through 20; 98=Don't Know; 99=Refused)

**(Programmer: Create variable "totadults"...will be the sum of C76a / C76b.**

**IF "fproj"=4851C OR 4851L, use "totadults" data that was collected from Q78a /Q78b.**

**IF (C76a=1 through 20) and (C76b=98 OR 99), set "totadults" to answer from C76a.**

**IF (C76a=98 OR 99) and (C76b=1 through 20), set "totadults" to answer from C76b.)**

**IF (C76=98 OR 99) OR ((C76a=98 OR 99) and (C76b=98 OR 99)), set "totadults" to "1."**

**IF ((C76a=0) and (C76b=98 OR 99)) OR ((C76a=98 OR 99) and (C76b=0)), set "totadults" to "1."**

**IF (C76a AND C76b are BOTH "0"), RE-ASK C76a.**

**IF ("totadults" > C76), RE-ASK C76.**

**IF ("totadults" + "totchild">C76) OR (("totadults" + "totchild" < C76) AND (0 through 20 TO ALL SC2a/SC2b/SC2c/C76/C76a/C76b)), ASK C76v2.**

**IF ("totadults" + "totchild" = C76) OR (("totadults" + "totchild" < C76) AND (DK/REF TO ANY SC2a/SC2b/SC2c/C76/C76v/C76v1/C76a/C76b)), GO TO INSTRUCTIONS BEFORE C77.)**

C76v2. I may have incorrectly entered one of more of your previous responses, so please allow me to confirm them with you now. I entered that there are **(insert from C76) TOTAL PEOPLE** in your household. I also entered that there **(is / are) (insert "totadults") (ADULT / total ADULTS)**, 18 or older, and **(insert "totchild") (CHILD / total CHILDREN)** under 18 in your household, which means that there should be a total of **(insert sum of "totadult" + "totchild")** people in your household. Which of those answers did I enter INCORRECTLY? (READ LIST)

1 = The **(insert from C76) TOTAL PEOPLE** is INCORRECT

2 = The **(insert "totadult") TOTAL ADULTS** is INCORRECT

3 = The **(insert "totchild") TOTAL CHILDREN** is INCORRECT

**(IF C76v2=1, READ DISPLAY BELOW THEN GO BACK TO C76.)**

**IF C76v2=2, READ DISPLAY BELOW THEN GO BACK TO C76a.**

**IF C76v2=3, GO TO C76v3.**

**Display:** I will now need to go back and re-ask some questions.

1 = CONTINUE

C76v3. Can you please tell me the correct number of total children under the age of 18 years old that live in your household?

(RANGE=1 through 20; 98=Don't know; 99=Refused)

\_\_\_\_\_ # of Children

**(Programmer: Update "totchild" with answer from C76v3. If DK/REF, do NOT update.)**

**(IF C76v3 does NOT equal (C76 minus "totadult"), ASK C76v4.)  
ELSE GO TO INSTRUCTIONS BEFORE C77.)**

C76v4. You just confirmed that:

- The total # of PEOPLE in the household is *(insert from C76)*
- And that the total # of ADULTS in the household is *(insert "totadults")*

Therefore, the total # of CHILDREN in the household SHOULD BE *(insert C76 minus "totadult")*, yet you just told me that the total # of children is *(insert from C76v3)*. Please let me know which of these counts is INCORRECT.

- 1 = The *(insert from C76)* TOTAL PEOPLE is INCORRECT
- 2 = The *(insert "totadult")* TOTAL ADULTS is INCORRECT
- 3 = The *(insert C76v3)* TOTAL CHILDREN is INCORRECT

**(IF C76v4=1, GO BACK TO C76.  
IF C76v4=2, GO BAK TO C76a.  
IF C76v4=3, GO BACK TO C76v3.)**

**(IF Q70 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED,  
AUTOPUNCH C77 WITH ANSWER FROM Q70.**

**ELSE ASK C77.)**

C77. During the PAST 12 MONTHS, has your household been without telephone service for 1 week or more?

(IF NEEDED: Do NOT include interruptions of telephone service because of weather or natural disasters.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q71 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED,  
AUTOPUNCH C78 WITH ANSWER FROM Q71.**

**ELSE ASK C78.)**

C78. Do you have a cell phone for personal use? Do NOT include any cell phones that may be used solely for business purposes.

(IF NEEDED: Please include cell phones if they are used for ANY personal use.)

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q71a FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED,**

**AUTOPUNCH C78a WITH ANSWER FROM Q71a. OTHERWISE...**

**IF C78=1, ASK C78a.**

**ELSE GO TO INSTRUCTIONS BEFORE C79.)**

C78a. Do you usually share this cell phone with any other adults?

- 1 = Yes
- 2 = No
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF (R2=1) AND Q71b FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED AUTOPUNCH C78b WITH ANSWER FROM Q71b.**

**ELSE ASK C78b.)**

C78b. How many working cell phone numbers do you (**IF "totadults" >1, read:** and other adults in your household) have? Again, do NOT include cell phones that are used solely for business purposes.

\_\_\_\_\_ Enter # (RANGE=1 through 5; 5=5 or more; 8=Don't Know;9=Refused)

**(IF (R2=1) AND Q71c FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C78c WITH ANSWER FROM Q71c.**

**ELSE ASK C78c.)**

C78c. Of all of the phone calls that you or your family receives, are...(READ LIST)?

- 1 = All or almost all calls received on cell phones,
- 2 = Some received on cell phones and some received on land lines, or
- 3 = Very few or none on cell phones?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q90 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C79 WITH ANSWER FROM Q90.**

**IF SC1a IS ALREADY ANSWERED, AUTOPUNCH C79 WITH ANSWER FROM SC1a THEN GO TO INSTRUCTIONS BEFORE C80.**

**ELSE ASK C79.)**

C79. In what city or town do you live? (ENTER CITY CODE FROM TACKUP)

(RANGE=1 through 482; 997=Other; 998=Don't Know; 999=Refused)

\_\_\_\_\_ Enter City Code

**(IF Q91 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C80 WITH ANSWER FROM Q91.**

**ELSE ASK C80.)**

C80. What is your current ZIP code?

- 1 = Gave Response (All Zip Codes must begin with a "9")
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(INSERT TIME STAMP)**

**HOUSEHOLD INCOME**

**(IF Q84 FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED,  
AUTOPUNCH C81 WITH ANSWER FROM Q84.  
ELSE ASK C81.)**

**(Programmer: Create variable called "incchild"...will be set as follows:  
IF C76 equals the sum from "totadult"/"totchild"...set "incchild" to value from "totchild."  
IF C76 does NOT EQUAL sum from "totadult"/"totchild"...set "incchild" to (C76 minus  
"totadult").  
IF "incchild"=0, GO TO INSTRUCTIONS BEFORE C82. )**

**(Programmer: Create variable called "poverty"...will be set as follows:**

<b># of HH members</b>	<b>If...</b>	<b>...set "poverty" to...</b>
<u>No Children Under 18</u>		
1 Adult (Under 65)	((("totadult"=1) and ("incchild"=0)) and ((C66<65) or (C66a<8) or (C66a=9)))	\$11,161.00
1 Adult (65+)	((("totadult"=1) and ("incchild"=0)) and ((C66>64 and <126) or (C66a=8)))	\$10,289.00
2 Adults (Resp. Under 65)	((("totadult"=2) and ("incchild"=0)) and (C76a=0))	\$14,366.00
2 Adults (Resp. 65+)	((("totadult"=2) and ("incchild"=0)) and (C76a>0))	\$12,968.00
3 Adults	((("totadult"=3) and ("incchild"=0)))	\$16,781.00
4 Adults	((("totadult"=4) and ("incchild"=0)))	\$22,128.00
5 Adults	((("totadult"=5) and ("incchild"=0)))	\$26,686.00
6 Adults	((("totadult"=6) and ("incchild"=0)))	\$30,693.00
7 Adults	((("totadult"=7) and ("incchild"=0)))	\$35,316.00
8 Adults	((("totadult"=8) and ("incchild"=0)))	\$39,498.00
9+ Adults	((("totadult">8) and ("incchild"=0)))	\$47,514.00
<u>1 Child Under 18</u>		
1 Adult (Resp. Under 65)	((("totadult"=1) and ("incchild"=1)) and (C76b=1))	\$14,787.00
1 Adult (Resp. 65+)	((("totadult"=1) and ("incchild"=1)) and (C76a=1))	\$14,731.00
2 Adults	((("totadult"=2) and ("incchild"=1)))	\$17,268.00
3 Adults	((("totadult"=3) and ("incchild"=1)))	\$22,490.00
4 Adults	((("totadult"=4) and ("incchild"=1)))	\$27,074.00
5 Adults	((("totadult"=5) and ("incchild"=1)))	\$30,815.00
6 Adults	((("totadult"=6) and ("incchild"=1)))	\$35,537.00
7 Adults	((("totadult"=7) and ("incchild"=1)))	\$39,847.00
8+ Adults	((("totadult">=8) and ("incchild"=1)))	\$47,744.00
<u>2 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=2)))	\$17,285.00
2 Adults	((("totadult"=2) and ("incchild"=2)))	\$21,756.00
3 Adults	((("totadult"=3) and ("incchild"=2)))	\$26,245.00
4 Adults	((("totadult"=4) and ("incchild"=2)))	\$30,180.00
5 Adults	((("totadult"=5) and ("incchild"=2)))	\$34,777.00
6 Adults	((("totadult"=6) and ("incchild"=2)))	\$39,130.00
7+ Adults	((("totadult">=7) and ("incchild"=2)))	\$47,109.00

<u>3 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=3)))	\$21,832.00
2 Adults	((("totadult"=2) and ("incchild"=3)))	\$25,603.00
3 Adults	((("totadult"=3) and ("incchild"=3)))	\$29,571.00
4 Adults	((("totadult"=4) and ("incchild"=3)))	\$34,247.00
5 Adults	((("totadult"=5) and ("incchild"=3)))	\$38,501.00
6+ Adults	((("totadult">=6) and ("incchild"=3)))	\$46,576.00
<u>4 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=4)))	\$25,211.00
2 Adults	((("totadult"=2) and ("incchild"=4)))	\$28,666.00
3 Adults	((("totadult"=3) and ("incchild"=4)))	\$33,260.00
4 Adults	((("totadult"=4) and ("incchild"=4)))	\$37,610.00
5+ Adults	((("totadult">=5) and ("incchild"=4)))	\$45,701.00
<u>5 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=5)))	\$28,130.00
2 Adults	((("totadult"=2) and ("incchild"=5)))	\$32,108.00
3 Adults	((("totadult"=3) and ("incchild"=5)))	\$36,478.00
4+ Adults	((("totadult">=4) and ("incchild"=5)))	\$44,497.00
<u>6 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=6)))	\$30,845.00
2 Adults	((("totadult"=2) and ("incchild"=6)))	\$35,300.00
3+ Adults	((("totadult">=3) and ("incchild"=6)))	\$43,408.00
<u>7 Children Under 18</u>		
1 Adult	((("totadult"=1) and ("incchild"=7)))	\$35,000.00
2+ Adults	((("totadult">=2) and ("incchild"=7)))	\$43,138.00
<u>8+ Children Under 18</u>		
1+ Adult	((("totadult">=1) and ("incchild">7)))	\$41,476.00

**Display:** The next question is about your combined household income. By household income, we mean the combined income from everyone living in the household including roommates or those on disability income.

C81. Is your household's total annual income from all sources before taxes...(READ LIST)?

- 1 = Above ("**poverty**" x 2), or
- 2 = Below ("**poverty**" x 2)?
- 8 = (VOL) Don't Know
- 9 = (VOL) Refused

**(IF Q84a FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C81a WITH ANSWER FROM Q84a. OTHERWISE...**

**IF C81=2 OR 8 OR 9, ASK C81a.**

**ELSE GO TO INSTRUCTIONS BEFORE C81b.)**

C81a. Is it...(READ LIST)?

1 = Above ("**poverty**" x 1), or

2 = Below ("**poverty**" x 1)?

8 = (VOL) Don't Know

9 = (VOL) Refused

**(NOW GO TO INSTRUCTIONS BEFORE C82.)**

**(IF Q84b FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED, AUTOPUNCH C81b WITH ANSWER FROM Q84b. OTHERWISE...**

**IF C81=1, ASK C81b.)**

C81b. Is it...(READ LIST)?

1 = Above ("**poverty**" x 4), or

2 = Below ("**poverty**" x 4)?

8 = (VOL) Don't Know

9 = (VOL) Refused

**(IF Q84c FROM ADULT SURVEY (fproj=4851C OR 4851L) IS ALREADY ANSWERED), AUTOPUNCH C81c WITH ANSWER FROM Q84c. OTHERWISE...**

**IF C81b=2 OR 8 OR 9, ASK C81c.**

**ELSE GO TO INSTRUCTIONS BEFORE C82.)**

C81c. Is it...(READ LIST)?

1 = Above ("**poverty**" x 3), or

2 = Below ("**poverty**" x 3)?

8 = (VOL) Don't Know

9 = (VOL) Refused

C82. **(IF (fproj=4851C or 4851L), read:)** In order to send you the check for \$10, I will need to ask you for your full name AND full address to which your check will be sent. This information will be held in the strictest confidence, and will NOT be shared beyond the research team. You can certainly choose to NOT provide this information, but please know that we will be unable to send your check in that case. Would you be willing to provide this information?

**(IF (fproj=4851S), read:)** We're interested in grouping respondents into geographic areas of the County. Therefore, I would like to get Please know that this information will be held in strictest confidence and will NOT be shared beyond the research team. Would you be willing to provide this information?

1 = Yes, Gave Response .

9 = (VOL) Refused

**(IF C82=1, ASK ADDRESS MODULE.**

**IF (fproj=4851C or 4851L) AND (C82=9), GO TO SR0.)**

**IF (fproj=4851S) AND (C82=9), GO TO INSTRUCTIONS BEFORE C82a.)**

RESPONDENT NAME -: **(ONLY ASK IF "fproj"=4851C OR 4851L)**

STREET -: **(IF 4851C/4851L, PRE-POPULATE WITH THIS DATA, IF ANSWERED)**

APT NUMBER -: **(ONLY ASK IF "fproj"=4851C OR 4851L)**

CITY : **(IF (SC1a OR C79) IS ANSWERED, PRE-POPULATE WITH THAT ANSWER) (IF 4851C/4851L, PRE-POPULATE WITH THIS DATA, IF ANSWERED)**

STATE -: **(PRE-POPULATE WITH "CALIFORNIA")**  
ZIPCODE -: **(IF C80 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER) (IF 4851C/4851L, PRE-POPULATE WITH THIS DATA, IF ANSWERED)**

**(NOW GO TO "GEOCODE")**

**(IF (fproj=4851S) AND (C82=9), ASK C82a.)**

C82a. In that case, can you at least provide me with the street that you live on and the closest street that crosses it?

(INTERVIEWER: DO NOT ENTER PARALLEL STREETS. ENTER COMPLETE STREET NAME, INCLUDING "ROAD," "BOULEVARD," "AVENUE," "STREET," ETC. FOLLOWING NAME.)

(AFTER ENTRY, CONFIRM BY SAYING: "And these two streets are cross-streets; that is, they cross each other? Is that correct?")

1 = Gave Response  
9 = (VOL) Refused

**(IF C82a=1, ASK CROSS-STREET MODULE.  
IF C82a=9, GO TO SR0.)**

STREET -:  
CROSS-STREET:  
CITY: **(IF SC1a OR C79 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER)**  
STATE -: **(PRE-POPULATE WITH "CALIFORNIA")**  
ZIPCODE -: **(IF C80 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER)**

**(NOW GO TO "GEOCODE"...ALLOW INCOMPLETE ADDRESS TO CONTINUE.)**

GEOCODE. **(Send information from C82 or C82a for live geo-coding. Return the "status code," "accuracy," latitude," "longitude" and "address/county.")**

**(IF (fproj=4851L or 4851C, GO TO C84 CLOSING.  
IF "accuracy" is >6, write the returned information from "GEOCODE" into the data, then go to CLOSING. Store the information from C82 or C82a separately from the information returned from "GEOCODE.".  
IF ("accuracy"<7) OR ("status code"<>200, GO TO C82v.)**

C82v. Can I repeat back to you the address you gave me to confirm I recorded it correctly?

1 = Yes  
9 = Refused

**(IF C82v=1 AND C82=1, ASK C83.  
IF C82v=1 AND C82a=1, GO TO INSTRUCTIONS BEFORE C83a.  
IF C82v=9, GO TO SR0.)**

C83. [INTERVIEWER: READ BACK AND VERIFY ADDRESS BELOW.]

STREET -: **(PRE-POPULATE WITH ANSWER FROM C82.)**  
APT NUMBER -: **(PRE-POPULATE WITH ANSWER FROM C82.)**  
CITY -: **(PRE-POPULATE WITH OUTPUT FROM GEO-CODING SEARCH.)**  
STATE -: **(PRE-POPULATE WITH OUTPUT FROM GEO-CODING SEARCH.)**  
ZIPCODE -: **(PRE-POPULATE WITH ANSWER FROM C82.)**



- 1 = Information is correct
- 2 = EDIT – STREET
- 3 = EDIT – APT NUMBER
- 4 = EDIT – CITY
- 5 = EDIT – STATE
- 6 = EDIT – ZIP CODE
- 9 = (VOL) Refused

**(IF C83=1, GO TO “GEOCODE2.”  
IF C83=9, GO TO SR0.)**

**(IF C82v=1 AND C82a=1, ASK C83a.)**

C83a. [INTERVIEWER: READ BACK AND VERIFY ADDRESS BELOW.]

STREET -: **(PRE-POPULATE WITH ANSWER FROM C82a.)**  
 CROSS-STREET-: **(PRE-POPULATE WITH ANSWER FROM C82a.)**  
 CITY -: **(PRE-POPULATE WITH OUTPUT FROM GEO-CODING SEARCH.)**  
 STATE -: **(PRE-POPULATE WITH OUTPUT FROM GEO-CODING SEARCH.)**  
 ZIPCODE -: **(PRE-POPULATE WITH ANSWER FROM C82a.)**

- 1 = Information is correct
- 2 = EDIT – STREET
- 3 = EDIT – CROSS-STREET
- 4 = EDIT – CITY
- 5 = EDIT – STATE
- 6 = EDIT – ZIP CODE
- 9 = (VOL) Refused

**(IF C83a=1, GO TO “GEOCODE2”... ALLOW INCOMPLETE ADDRESS TO CONTINUE.  
IF C83a=9, GO TO SR0.)**

GEOCODE2. **(Send information from C83 or C83a for live geo-coding. Return the “status code,” “accuracy,” latitude,” “longitude” and “address/county.”)**

**(Write the returned information from “GEOCODE2” into the data, then go to SR0.  
Make sure that the address information from C82/C82a, C83/C83a,  
GEOCODE and GEOCODE2 are each stored separately in the data file.)**

SR0. I would like to tell you about a follow-up that the Department of Public Health is also conducting. We will offer \$50 for your participation. Can I tell you about that study now?

[If “No,” probe with, “Can we call you back to describe the study when it begins in a few months?”]

- 1 = Yes
- 2 = No/Refused
- 3 = No, but OK to callback in a few months

**(IF SR0=1, GO TO SR1.  
ELSE GO TO CLOSING.)**

SR1. The Department of Public Health wants to obtain more detailed measurements for certain health conditions, such as high blood pressure and diabetes, to better understand the health needs of the county population.

This follow up study, which involves only a brief physical exam and lab testing, will take 45-60 minutes. If you agree to participate, you may be contacted by telephone within the next 2-3 months to schedule

an appointment at one of our health centers. All the information you provide in this follow-up visit is completely confidential and will be used only for statistical purposes. Only some of those who agree to participate will be re-contacted.

1 = CONTINUE

SR2. Can I confirm that you will participate in this follow-up study?

- 1 = Yes, would like to participate
- 2 = No, would not like to participate

**(IF SR2=1, ASK SR3.  
ELSE GO TO CLOSING.)**

SR3. Thank you. We appreciate your willingness to participate in this study.

Is this phone number where I first reached you today, (*insert PHONE*), the best way for the Department of Public Health to get in touch with you to schedule a Health Center appointment?

- 1 = Yes
- 2 = No

**(IF SR3=1, ASK SR3a.  
ELSE GO TO INSTRUCTIONS BEFORE SR4.)**

SR3a. In case we don't reach you at first, is there an alternate telephone number where you can be reached between 9:00 am and 7:00 pm on a weekday?

[INTERVIEWER: PROBE TO DETERMINE WHETHER IT IS A LANDLINE OR CELL PHONE NUMBER]

- 1 = Yes, LANDLINE (Specify): \_\_\_\_\_
- 2 = Yes, CELL PHONE NUMBER (Specify): \_\_\_\_\_
- 3 = NO OTHER NUMBER

**(IF SR3=2, ASK SR4.  
ELSE GO TO SR5.)**

SR4. What phone number would you like the Department of Public Health to call you on? You can give me either a landline telephone number, a cell phone number or both. (MULTIPLE RECORD)

- 1 = Gave LANDLINE (Specify): \_\_\_\_\_
- 2 = Gave CELL PHONE NUMBER (Specify): \_\_\_\_\_

SR5. Is there any particular time of day, on a weekday between 9:00 am to 7:00 pm that is best for the Department of Public Health to contact you in order to schedule the clinic visit appointment?

- 1 = Yes (Specify): \_\_\_\_\_
- 2 = No

SR5a. So that we can ask for you specifically when we try to re-contact you, could you please provide me with your full name?

(INTERVIEW: If refuses to give name, probe with: "Could I at least have just your first name or initials?")

- 1 = Gave Name/Initials
- 9 = (VOL) Refused

SR6. Thank you again for your willingness to participate. If selected to participate, you may be contacted in 2 to 3 months by the Department of Public Health.

1 = CONTINUE

CLOSING. These are all the questions I have. Thank you very much for participating in this important survey for the Los Angeles County Department of Public Health.

1 = CONTINUE

LANG. INTERVIEWER PLEASE ENTER THE LANGUAGE OF INTERVIEW

1 = ENGLISH	4 = MANDARIN
2 = SPANISH	5 = VIETNAMESE
3 = CANTONESE	6 = KOREAN

**(INSERT TIME STAMP)**

**Programmer: Create the following variables:**

> **“adstat”**

- > Set default value to “2”
- > IF (“recruit”>1), change to a value of “1”

**Value Labels**

1 = Completed / Adult Survey  
2 = Non-Complete / Adult Survey

> **“rcstat”**

- > Set default value to “0”
- > IF (“adstat”=1) AND (“totchild”=0), change to a value of “9”
- > IF (“adstat”=1) AND (“totchild”>0), change to a value of “3”
- > IF (R2=1 OR R2b1=1 OR R3b2a1=1), change to a value of “1”
- > IF (R4a=1), change to a value of “2”

**Value Labels**

0 = Status of Recruitment Not Determined Yet  
1 = Recruited for CS  
2 = Refused CS / NOT Recruited for CS  
3 = Recruitment Began but NOT Complete  
9 = No Recruitment / No Children

> **“chstat”**

- > Set default value to “0”
- > IF “rcstat”=2 OR 9, change to a value of “9”
- > IF “rcstat”=1, change to a value of “2”
- > IF “C81” is answered AND “CLOSING”=1, change to a value of “1”

**Value Labels**

0 = Status of CS Not Determined Yet  
1 = Completed / Child Survey  
2 = Non-Complete / Child Survey  
9 = No Children / Refused/Not Recruited for CS

**Appendix VIII-A: Missing Data Recodes for Q69, Q70, Q71, Q71b, and Q71c**

If qvers = 2 and Q69 = 8 or 9, Q69\_R = 1. Otherwise, for qvers = 2, Q69\_R = Q69.

If qvers = 1 and Q70 = 8 or 9, Q70\_R = 2. Otherwise, for qvers = 1, Q70\_R = Q70.

If qvers = 2 and (Q70 = 8 or 9 OR Q69 = 8 or 9), Q70\_R = 2. Otherwise, for qvers = 2, Q70\_R = Q70.

If qvers = 1 and Q71 = 8 or 9, Q71\_R = 1. Otherwise, for qvers = 1, Q71\_R = Q71.

If qvers = 2 and Q71b = 8 or 9, Q71b\_R = 1. Otherwise, for qvers = 2, Q71b\_R = Q71b.

If qvers = 1 and (Q71b = 8 or 9 OR Q71 = 8 or 9), Q71b\_R = 1. Otherwise, for qvers = 1, Q71b\_R = Q71b.

If qvers = 2 and Q71c = 8 or 9, Q71c\_R = 1. Otherwise, for qvers = 2, Q71c\_R = Q71c.

If qvers = 1 and (Q71c = 8 or 9 OR Q71 = 8 or 9), Q71c\_R = 2. Otherwise, for qvers = 1, Q71c\_R = Q71c.

## Appendix VIII-B: Creation of Telephone Service Variables

If  $qvers = 1$  and  $Q71\_R = 1$ ,  $telephone\_service = 3$  (dual service).

If  $qvers = 1$  and  $Q71\_R = 2$ ,  $telephone\_service = 2$  (landline only)

If  $qvers = 2$  and  $Q69\_R = 1$ ,  $telephone\_service = 3$  (dual service).

If  $qvers = 2$  and  $Q69\_R = 2$ ,  $telephone\_service = 1$  (cell only)

$telephone\_service6$ :

1 Cell-only

2 Landline-only

3 Cell mostly, dual user, landline sample

3 Cell mostly, dual user, landline sample

4 Not cell mostly, dual user, landline sample

5 Cell mostly, dual user, cell sample

5 Cell mostly, dual user, cell sample

6 Not cell mostly, dual user, cell sample

If  $telephone\_service = 2$ ,  $telephone\_service6 = 2$  (landline only).

If  $telephone\_service = 1$ ,  $telephone\_service6 = 1$  (cell only).

If  $qvers = 1$  and  $telephone\_service = 3$  and  $Q71c\_R = 2$  or  $3$ ,  $telephone\_service6 = 4$  (landline sample, dual, not cell mostly).

If  $qvers = 1$  and  $telephone\_service = 3$  and  $Q71c\_R = 1$ ,  $telephone\_service6 = 3$  (landline sample, dual, cell mostly).

If  $qvers = 2$  and  $telephone\_service = 3$  and  $Q71c\_R = 2$  or  $3$ ,  $telephone\_service6 = 6$  (cell sample, dual, not cell mostly).

If  $qvers = 2$  and  $telephone\_service = 3$  and  $Q71c\_R = 1$ ,  $telephone\_service6 = 5$  (cell sample, dual, cell mostly).

Next, all households reporting an interruption in landline telephone service had their base sampling weights multiplied by 2.5 to account for nontelephone households in Los Angeles County (Srinath et al. 2009<sup>19</sup>):

If  $Q70\_R$  equals 1,  $ADULT\_BSW\_INT = ADULT\_BSW\_NUM \times 2.5$ .

If  $Q70\_R$  does not equal 1,  $ADULT\_BSW\_INT = ADULT\_BSW\_NUM$ .

<sup>19</sup> Srinath K.P., Frankel M, Hoaglin D, Battaglia M. 2009. Compensating for Noncoverage of Nontelephone Households in Random-Digit-Dialing Surveys: A Comparison of Adjustments Based on Propensity Scores and Interruptions in Telephone Service. *Journal of Official Statistics*, Vol. 25, No. 1.

**Appendix VIII-C: Category Collapsing for Cells With Less Than 20 Interviews**

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Table 2. Adult RAKING VARIABLES

The FREQ Procedure

TELEPHONE_SERVICE6C	telephone_service6	Frequency
1 Cell-only	1 Cell-only	657
2 Landline-only	2 Landline-only	1464
3 Dual user, Cell mostly	3 Cell mostly, dual user, landline sample	1236
3 Dual user, Cell mostly	5 Cell mostly, dual user, cell sample	342
4 Dual user, Not Cell mostly	4 Not cell mostly, dual user, landline sample	3986
4 Dual user, Not Cell mostly	6 Not cell mostly, dual user, cell sample	351

GEO_HD_R	GEO_HD	Frequency
1: 3 Alhambra	3	281
2: 5 Antelope Valley	5	569
3: 6 Bellflower	6	249
4: 9 Central	9	287
5: 12 Compton	12	191
6: 16 East LA	16	119
7: 19 East Valley	19	335
8: 23 El Monte	23	246
9: 25 Foothill	25	305
10: 27 Glendale	27	272
11: 31 Harbor	31	214
12: 34 Hollywood-Wilshire	34	403
13: 37 Inglewood	37	331
14: 40 Long Beach	40	314
15: 47 Northeast	47	234
16: 50 Pasadena	50	165
17: 54 Pomona	54	388
18: 58 San Antonio	58	243
19: 62 San Fernando	62	392
20: 69 South	69	123
21: 72 Southeast	72	85
22: 75 Southwest	75	323
23: 79 Torrance	79	407
24: 84 West	84	625
25: 86 West Valley	86	709
26: 91 Whittier	91	226

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LACHS 2011 ADULT  
Table 2. Adult RAKING VARIABLES

The FREQ Procedure

	I_RACE_R2	I_RACE_R	Frequency
1 Latino		1	2841
2 White, AI, W/AI		2	3469
2 White, AI, W/AI		5	39
2 White, AI, W/AI		8	41
3 Black		3	861
4 Asian		4	785

  

GEO_SPA	I_RACE_R2	GEO_SPA	I_RACE_R2	Frequency
101: SPA 1	Latino	1	1 Latino	156
102: SPA 1	White, AI, W/AI	1	2 White, AI, W/AI	336
134: SPA 1	Black/Asian	1	3 Black	69
134: SPA 1	Black/Asian	1	4 Asian	8
201: SPA 2	Latino	2	1 Latino	477
202: SPA 2	White, AI, W/AI	2	2 White, AI, W/AI	1052
203: SPA 2	Black	2	3 Black	46
204: SPA 2	Asian	2	4 Asian	133
301: SPA 3	Latino	3	1 Latino	456
302: SPA 3	White, AI, W/AI	3	2 White, AI, W/AI	562
303: SPA 3	Black	3	3 Black	83
304: SPA 3	Asian	3	4 Asian	284
401: SPA 4	Latino	4	1 Latino	458
402: SPA 4	White, AI, W/AI	4	2 White, AI, W/AI	292
403: SPA 4	Black	4	3 Black	47
404: SPA 4	Asian	4	4 Asian	127
501: SPA 5	Latino	5	1 Latino	75
502: SPA 5	White, AI, W/AI	5	2 White, AI, W/AI	449
503: SPA 5	Black	5	3 Black	48
504: SPA 5	Asian	5	4 Asian	53
601: SPA 6	Latino	6	1 Latino	349
603: SPA 6	Black	6	3 Black	335
624: SPA 6	White, AI, W/AI,Asian	6	2 White, AI, W/AI	26
624: SPA 6	White, AI, W/AI,Asian	6	4 Asian	12
701: SPA 7	Latino	7	1 Latino	504
702: SPA 7	White, AI, W/AI	7	2 White, AI, W/AI	242
703: SPA 7	Black	7	3 Black	32
704: SPA 7	Asian	7	4 Asian	59
801: SPA 8	Latino	8	1 Latino	366
802: SPA 8	White, AI, W/AI	8	2 White, AI, W/AI	590
803: SPA 8	Black	8	3 Black	201
804: SPA 8	Asian	8	4 Asian	109

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LACHS 2011 ADULT  
Table 2. Adult RAKING VARIABLES

The FREQ Procedure

GENDER_AGEGROUP	q5	AGEGROUP	Frequency
11 M 18-24	1	1 18-24	276
12 M 25-29	1	2 25-29	183
13 M 30-39	1	3 30-39	452
14 M 40-49	1	4 40-49	663
15 M 50-59	1	5 50-59	659
16 M 60-64	1	6 60-64	300
17 M 65+	1	7 65 or over	640
21 F 18-24	2	1 18-24	320
22 F 25-29	2	2 25-29	255
23 F 30-39	2	3 30-39	752
24 F 40-49	2	4 40-49	933
25 F 50-59	2	5 50-59	1015
26 F 60-64	2	6 60-64	448
27 F 65+	2	7 65 or over	1140

GEO_SPA_GENDER_AGEGROUP	GEO_SPA	GENDER_AGEGROUP	Frequency
1103: SPA 1 13 M 30-39	1	13 M 30-39	28
1104: SPA 1 14 M 40-49	1	14 M 40-49	42
1105: SPA 1 15 M 50-59	1	15 M 50-59	54
1106: SPA 1 16 M 60-64	1	16 M 60-64	24
1107: SPA 1 17 M 65+	1	17 M 65+	44
1112: SPA 1 11/12 M 18-29	1	11 M 18-24	16
1112: SPA 1 11/12 M 18-29	1	12 M 25-29	16
1203: SPA 1 23 F 30-39	1	23 F 30-39	53
1204: SPA 1 24 F 40-49	1	24 F 40-49	62
1205: SPA 1 25 F 50-59	1	25 F 50-59	78
1206: SPA 1 26 F 60-64	1	26 F 60-64	35
1207: SPA 1 27 F 65+	1	27 F 65+	81
1212: SPA 1 21/22 F 18-29	1	21 F 18-24	17
1212: SPA 1 21/22 F 18-29	1	22 F 25-29	19
2101: SPA 2 11 M 18-24	2	11 M 18-24	57
2102: SPA 2 12 M 25-29	2	12 M 25-29	41
2103: SPA 2 13 M 30-39	2	13 M 30-39	84
2104: SPA 2 14 M 40-49	2	14 M 40-49	142
2105: SPA 2 15 M 50-59	2	15 M 50-59	154
2106: SPA 2 16 M 60-64	2	16 M 60-64	69
2107: SPA 2 17 M 65+	2	17 M 65+	149
2201: SPA 2 21 F 18-24	2	21 F 18-24	62
2202: SPA 2 22 F 25-29	2	22 F 25-29	49
2203: SPA 2 23 F 30-39	2	23 F 30-39	154
2204: SPA 2 24 F 40-49	2	24 F 40-49	186
2205: SPA 2 25 F 50-59	2	25 F 50-59	216
2206: SPA 2 26 F 60-64	2	26 F 60-64	100



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LACHS 2011 ADULT  
Table 2. Adult RAKING VARIABLES

The FREQ Procedure

GEO_SPA_GENDER_AGEGROUP	GEO_SPA	GENDER_AGEGROUP	Frequency
2207: SPA 2 27 F 65+	2	27 F 65+	245
3101: SPA 3 11 M 18-24	3	11 M 18-24	57
3102: SPA 3 12 M 25-29	3	12 M 25-29	27
3103: SPA 3 13 M 30-39	3	13 M 30-39	70
3104: SPA 3 14 M 40-49	3	14 M 40-49	126
3105: SPA 3 15 M 50-59	3	15 M 50-59	103
3106: SPA 3 16 M 60-64	3	16 M 60-64	55
3107: SPA 3 17 M 65+	3	17 M 65+	123
3201: SPA 3 21 F 18-24	3	21 F 18-24	57
3202: SPA 3 22 F 25-29	3	22 F 25-29	42
3203: SPA 3 23 F 30-39	3	23 F 30-39	103
3204: SPA 3 24 F 40-49	3	24 F 40-49	154
3205: SPA 3 25 F 50-59	3	25 F 50-59	178
3206: SPA 3 26 F 60-64	3	26 F 60-64	74
3207: SPA 3 27 F 65+	3	27 F 65+	216
4101: SPA 4 11 M 18-24	4	11 M 18-24	41
4102: SPA 4 12 M 25-29	4	12 M 25-29	24
4103: SPA 4 13 M 30-39	4	13 M 30-39	64
4104: SPA 4 14 M 40-49	4	14 M 40-49	94
4105: SPA 4 15 M 50-59	4	15 M 50-59	78
4106: SPA 4 16 M 60-64	4	16 M 60-64	32
4107: SPA 4 17 M 65+	4	17 M 65+	58
4201: SPA 4 21 F 18-24	4	21 F 18-24	38
4202: SPA 4 22 F 25-29	4	22 F 25-29	33
4203: SPA 4 23 F 30-39	4	23 F 30-39	88
4204: SPA 4 24 F 40-49	4	24 F 40-49	106
4205: SPA 4 25 F 50-59	4	25 F 50-59	109
4206: SPA 4 26 F 60-64	4	26 F 60-64	49
4207: SPA 4 27 F 65+	4	27 F 65+	110
5103: SPA 5 13 M 30-39	5	13 M 30-39	37
5104: SPA 5 14 M 40-49	5	14 M 40-49	45
5105: SPA 5 15 M 50-59	5	15 M 50-59	49
5106: SPA 5 16 M 60-64	5	16 M 60-64	23
5107: SPA 5 17 M 65+	5	17 M 65+	66
5112: SPA 5 11/12 M 18-29	5	11 M 18-24	11
5112: SPA 5 11/12 M 18-29	5	12 M 25-29	14
5203: SPA 5 23 F 30-39	5	23 F 30-39	46
5204: SPA 5 24 F 40-49	5	24 F 40-49	84
5205: SPA 5 25 F 50-59	5	25 F 50-59	85
5206: SPA 5 26 F 60-64	5	26 F 60-64	39
5207: SPA 5 27 F 65+	5	27 F 65+	106
5212: SPA 5 21/22 F 18-29	5	21 F 18-24	9
5212: SPA 5 21/22 F 18-29	5	22 F 25-29	11
6101: SPA 6 11 M 18-24	6	11 M 18-24	27
6102: SPA 6 12 M 25-29	6	12 M 25-29	21

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LACHS 2011 ADULT  
Table 2. Adult RAKING VARIABLES

The FREQ Procedure

GEO_SPA	GENDER	AGEGROUP	GEO_SPA	GENDER	AGEGROUP	Frequency
6103:	SPA	6 13 M 30-39	6	13 M	30-39	36
6104:	SPA	6 14 M 40-49	6	14 M	40-49	53
6105:	SPA	6 15 M 50-59	6	15 M	50-59	47
6106:	SPA	6 16 M 60-64	6	16 M	60-64	16
6107:	SPA	6 17 M 65+	6	17 M	65+	36
6201:	SPA	6 21 F 18-24	6	21 F	18-24	46
6202:	SPA	6 22 F 25-29	6	22 F	25-29	33
6203:	SPA	6 23 F 30-39	6	23 F	30-39	101
6204:	SPA	6 24 F 40-49	6	24 F	40-49	89
6205:	SPA	6 25 F 50-59	6	25 F	50-59	103
6206:	SPA	6 26 F 60-64	6	26 F	60-64	36
6207:	SPA	6 27 F 65+	6	27 F	65+	78
7101:	SPA	7 11 M 18-24	7	11 M	18-24	37
7102:	SPA	7 12 M 25-29	7	12 M	25-29	20
7103:	SPA	7 13 M 30-39	7	13 M	30-39	56
7104:	SPA	7 14 M 40-49	7	14 M	40-49	51
7105:	SPA	7 15 M 50-59	7	15 M	50-59	68
7106:	SPA	7 16 M 60-64	7	16 M	60-64	33
7107:	SPA	7 17 M 65+	7	17 M	65+	64
7201:	SPA	7 21 F 18-24	7	21 F	18-24	44
7202:	SPA	7 22 F 25-29	7	22 F	25-29	37
7203:	SPA	7 23 F 30-39	7	23 F	30-39	84
7204:	SPA	7 24 F 40-49	7	24 F	40-49	109
7205:	SPA	7 25 F 50-59	7	25 F	50-59	87
7206:	SPA	7 26 F 60-64	7	26 F	60-64	39
7207:	SPA	7 27 F 65+	7	27 F	65+	108
8101:	SPA	8 11 M 18-24	8	11 M	18-24	30
8102:	SPA	8 12 M 25-29	8	12 M	25-29	20
8103:	SPA	8 13 M 30-39	8	13 M	30-39	77
8104:	SPA	8 14 M 40-49	8	14 M	40-49	110
8105:	SPA	8 15 M 50-59	8	15 M	50-59	106
8106:	SPA	8 16 M 60-64	8	16 M	60-64	48
8107:	SPA	8 17 M 65+	8	17 M	65+	100
8201:	SPA	8 21 F 18-24	8	21 F	18-24	47
8202:	SPA	8 22 F 25-29	8	22 F	25-29	31
8203:	SPA	8 23 F 30-39	8	23 F	30-39	123
8204:	SPA	8 24 F 40-49	8	24 F	40-49	143
8205:	SPA	8 25 F 50-59	8	25 F	50-59	159
8206:	SPA	8 26 F 60-64	8	26 F	60-64	76
8207:	SPA	8 27 F 65+	8	27 F	65+	196

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LACHS 2011 ADULT  
Table 2. Adult RAKING VARIABLES

The FREQ Procedure

I_HOUDEPT_R2	I_HOUDEPT_R	Frequency
1 0	0	5422
2 1	1	937
3 2	2	1006
4 3+	3	464
4 3+	4	152
4 3+	5	36
4 3+	6	14
4 3+	7	5

I_HOUADULT_R2	I_HOUADULT_R	Frequency
1 1	1	1993
2 2	2	3583
3 3	3	1337
4 4+	4	730
4 4+	5	277
4 4+	6	71
4 4+	7	33
4 4+	8	6
4 4+	9	1
4 4+	10	2
4 4+	11	1
4 4+	12	1
4 4+	15	1

I_Q64_R2	I_Q64_R	Frequency
1 Born in US	1	2992
1 Born in US	2	2336
2 Born Outside US	3	2708

Imputed value: Q64C\_R

I_Q64C_R	Frequency
1 US citizen	6903
2 not US citizen	1133

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LACHS 2011 ADULT  
Table 2. Adult RAKING VARIABLES

The FREQ Procedure

I_Q79_R2	I_Q79_R	Frequency
1 Own	1	3389
2 Rent	2	4458
2 Rent	3	189

	I_Q75_R2	I_Q75_R	Frequency
1 Married		1	3881
2 Never married, living together, domestic partners		2	153
2 Never married, living together, domestic partners		3	408
2 Never married, living together, domestic partners		7	1661
3 Widowed		4	750
4 Divorced, separated		5	936
4 Divorced, separated		6	247

Imputed value: EDU\_R

	I_EDU_R	Frequency
1 Less than high school		1401
2 High school		1383
3 Some college or trade school		2020
4 College or post graduate degree		3232

## Appendix VIII-D: Adult Sample Raking to Population Control Totals

### *RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD*

Sample size of completed interviews: **8036**

Raking input weight adjusted to population total: **COMPOSITE\_WT\_ATPT**

Mean value of raking input weight adjusted to population total: **901.55**

Minimum value of raking input weight: **136.71**

Maximum value of raking input weight: **3845.44**

Coefficient of variation of raking input weight: **0.82**

Global low weight cap value (GLCV): **100.07**

Global low weight cap value factor: Mean input weight times **.111**

Global high weight cap value (GHCV): **8113.92**

Global high weight cap value factor: Mean input weight times **9**

Individual low weight cap value (ILCV) factor: Respondent's weight times **.25**

Individual high weight cap value (IHCV) factor: Respondent's weight times **4**

Number of respondents who have an individual high weight cap value less than the global low weight cap value

(GLCV used in weight trimming): **0**

Number of respondents who have an individual low weight cap value greater than the global high weight cap value

(GHCV used in weight trimming): **0**

### *Weighted Distribution Prior To Raking. Iteration 0*

	Input Weight Sum of Weights	Populati on Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
TELEPHONE_SERVICE6C						
1 Cell-only	1920189.58	1573702	346487.35	26.504	21.722	4.783
2 Landline-only	1293267.59	892732	400536.05	17.851	12.322	5.529
3 Dual user, Cell mostly	1111317.23	1395301	-283983.73	15.339	19.259	-3.920
4 Dual user, Not Cell mostly	2920057.51	3383097	-463039.67	40.305	46.697	-6.391

	Input Weight Sum of Weights	Populati on Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
GEO_HD_R						
1: 3 Alhambra	259409.46	267978	-8568.54	3.581	3.695	-0.115
2: 5 Antelope Valley	299627.81	258906	40721.81	4.136	3.570	0.566
3: 6 Bellflower	227132.21	258578	-31445.79	3.135	3.566	-0.430
4: 9 Central	282995.43	250811	32184.43	3.906	3.458	0.448
5: 12 Compton	216098.77	182928	33170.77	2.983	2.522	0.460
6: 16 East LA	123986.42	142154	-18167.58	1.711	1.960	-0.249
7: 19 East Valley	317756.42	331292	-13535.58	4.386	4.568	-0.182
8: 23 El Monte	274711.45	311925	-37213.55	3.792	4.301	-0.509
9: 25 Foothill	259720.04	224614	35106.04	3.585	3.097	0.488
10: 27 Glendale	228374.51	266836	-38461.49	3.152	3.679	-0.527

GEO_HD_R	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
11: 31 Harbor	179473.15	145085	34388.15	2.477	2.001	0.477
12: 34 Hollywood-Wilshire	378014.98	392548	-14533.02	5.218	5.413	-0.195
13: 37 Inglewood	318459.26	293987	24472.26	4.396	4.054	0.342
14: 40 Long Beach	295993.46	340865	-44871.54	4.086	4.700	-0.615
15: 47 Northeast	249079.92	217747	31332.92	3.438	3.003	0.435
16: 50 Pasadena	149345.88	108707	40638.88	2.061	1.499	0.562
17: 54 Pomona	356562.03	388111	-31548.97	4.922	5.352	-0.430
18: 58 San Antonio	284824.86	288270	-3445.14	3.931	3.975	-0.044
19: 62 San Fernando	325698.15	354436	-28737.85	4.496	4.887	-0.392
20: 69 South	144678.06	118420	26258.06	1.997	1.633	0.364
21: 72 Southeast	95515.33	106484	-10968.67	1.318	1.468	-0.150
22: 75 Southwest	322682.89	265206	57476.89	4.454	3.657	0.797
23: 79 Torrance	335497.02	347204	-11706.98	4.631	4.788	-0.157
24: 84 West	470287.92	511736	-41448.08	6.491	7.056	-0.565
25: 86 West Valley	628241.55	646817	-18575.45	8.672	8.919	-0.247
26: 91 Whittier	220664.93	230439	-9774.07	3.046	3.178	-0.132

GEO_SPA_I_RACE_R2	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
101: SPA 1 Latino	113625.51	102539	11086.51	1.568	1.414	0.154
102: SPA 1 White, AI, W/AI	154749.30	107860	46889.30	2.136	1.487	0.649
134: SPA 1 Black/Asian	31253.00	48507	-17254.00	0.431	0.669	-0.237
201: SPA 2 Latino	549792.44	563040	-13247.56	7.589	7.764	-0.175
202: SPA 2 White, AI, W/AI	800001.51	790329	9672.51	11.042	10.898	0.144
203: SPA 2 Black	42114.06	55931	-13816.94	0.581	0.771	-0.190
204: SPA 2 Asian	108162.63	190081	-81918.37	1.493	2.621	-1.128
301: SPA 3 Latino	532625.61	545219	-12593.39	7.352	7.518	-0.166
302: SPA 3 White, AI, W/AI	415461.76	314762	100699.76	5.735	4.340	1.394
303: SPA 3 Black	74382.05	50040	24342.05	1.027	0.690	0.337
304: SPA 3 Asian	277279.44	391315	-114035.56	3.827	5.396	-1.569
401: SPA 4 Latino	509912.47	405346	104566.47	7.038	5.589	1.449
402: SPA 4 White, AI, W/AI	230857.56	243933	-13075.44	3.187	3.364	-0.177
403: SPA 4 Black	48506.21	43628	4878.21	0.670	0.602	0.068
404: SPA 4 Asian	120814.10	168201	-47386.90	1.668	2.319	-0.652
501: SPA 5 Latino	77538.92	72621	4917.92	1.070	1.001	0.069
502: SPA 5 White, AI, W/AI	309139.28	340274	-31134.72	4.267	4.692	-0.425
503: SPA 5 Black	39059.55	29243	9816.55	0.539	0.403	0.136
504: SPA 5 Asian	44550.17	69601	-25050.83	0.615	0.960	-0.345

GEO_SPA_I_RACE_R2	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
601: SPA 6 Latino	460854.78	430232	30622.78	6.361	5.933	0.429
603: SPA 6 Black	275417.67	211186	64231.67	3.802	2.912	0.890
624: SPA 6 White, AI, W/AI,Asian	42702.60	31618	11084.60	0.589	0.436	0.153
701: SPA 7 Latino	573766.41	641890	-68123.59	7.920	8.851	-0.931
702: SPA 7 White, AI, W/AI	193266.22	156916	36350.22	2.668	2.164	0.504
703: SPA 7 Black	35433.55	26886	8547.55	0.489	0.371	0.118
704: SPA 7 Asian	54142.24	93743	-39600.76	0.747	1.293	-0.545
801: SPA 8 Latino	420850.42	397168	23682.42	5.809	5.477	0.332
802: SPA 8 White, AI, W/AI	436450.17	375347	61103.17	6.024	5.176	0.849
803: SPA 8 Black	166336.28	166439	-102.72	2.296	2.295	0.001
804: SPA 8 Asian	105786.01	188189	-82402.99	1.460	2.595	-1.135

GEO_SPA_GENDER_AGEGROUP	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1103: SPA 1 13 M 30-39	13351.61	21411	-8059.39	0.184	0.295	-0.111
1104: SPA 1 14 M 40-49	18651.62	25972	-7320.38	0.257	0.358	-0.101
1105: SPA 1 15 M 50-59	31876.28	23576	8300.28	0.440	0.325	0.115
1106: SPA 1 16 M 60-64	13382.72	7435	5947.72	0.185	0.103	0.082
1107: SPA 1 17 M 65+	14057.92	13483	574.92	0.194	0.186	0.008
1112: SPA 1 11/12 M 18-29	34236.10	32379	1857.10	0.473	0.446	0.026
1203: SPA 1 23 F 30-39	35106.23	24084	11022.23	0.485	0.332	0.152
1204: SPA 1 24 F 40-49	28442.94	28272	170.94	0.393	0.390	0.003
1205: SPA 1 25 F 50-59	41889.46	24470	17419.46	0.578	0.337	0.241
1206: SPA 1 26 F 60-64	13271.63	7882	5389.63	0.183	0.109	0.075
1207: SPA 1 27 F 65+	23371.34	17340	6031.34	0.323	0.239	0.083
1212: SPA 1 21/22 F 18-29	31989.97	32602	-612.03	0.442	0.450	-0.008
2101: SPA 2 11 M 18-24	83312.82	105309	-21996.18	1.150	1.452	-0.302
2102: SPA 2 12 M 25-29	56231.55	79868	-23636.45	0.776	1.101	-0.325
2103: SPA 2 13 M 30-39	96521.13	150770	-54248.87	1.332	2.079	-0.747
2104: SPA 2 14 M 40-49	134047.60	158083	-24035.40	1.850	2.180	-0.330
2105: SPA 2 15 M 50-59	115897.25	136508	-20610.75	1.600	1.882	-0.283
2106: SPA 2 16 M 60-64	49436.02	48194	1242.02	0.682	0.665	0.018
2107: SPA 2 17 M 65+	96614.46	100119	-3504.54	1.334	1.381	-0.047
2201: SPA 2 21 F 18-24	83829.89	98735	-14905.11	1.157	1.361	-0.204
2202: SPA 2 22 F 25-29	65231.39	76709	-11477.61	0.900	1.058	-0.157
2203: SPA 2 23 F 30-39	153357.06	151856	1501.06	2.117	2.094	0.023
2204: SPA 2 24 F 40-49	162933.36	163058	-124.64	2.249	2.248	0.001
2205: SPA 2 25 F 50-59	177980.63	144082	33898.63	2.457	1.987	0.470

GEO_SPA_GENDER_AGEGROUP	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
2206: SPA 2 26 F 60-64	74662.14	53877	20785.14	1.031	0.743	0.288
2207: SPA 2 27 F 65+	150015.33	132213	17802.33	2.071	1.823	0.248
3101: SPA 3 11 M 18-24	93449.28	89695	3754.28	1.290	1.237	0.053
3102: SPA 3 12 M 25-29	43043.62	60628	-17584.38	0.594	0.836	-0.242
3103: SPA 3 13 M 30-39	89190.47	112438	-23247.53	1.231	1.550	-0.319
3104: SPA 3 14 M 40-49	113210.36	121458	-8247.64	1.563	1.675	-0.112
3105: SPA 3 15 M 50-59	97063.54	110223	-13159.46	1.340	1.520	-0.180
3106: SPA 3 16 M 60-64	46612.16	41363	5249.16	0.643	0.570	0.073
3107: SPA 3 17 M 65+	84694.62	89001	-4306.38	1.169	1.227	-0.058
3201: SPA 3 21 F 18-24	70284.14	81857	-11572.86	0.970	1.129	-0.159
3202: SPA 3 22 F 25-29	51115.88	58306	-7190.12	0.706	0.804	-0.098
3203: SPA 3 23 F 30-39	114799.27	117356	-2556.73	1.585	1.618	-0.034
3204: SPA 3 24 F 40-49	153674.87	129638	24036.87	2.121	1.788	0.334
3205: SPA 3 25 F 50-59	154714.23	122656	32058.23	2.136	1.691	0.444
3206: SPA 3 26 F 60-64	54326.96	47693	6633.96	0.750	0.658	0.092
3207: SPA 3 27 F 65+	133569.45	119024	14545.45	1.844	1.641	0.202
4101: SPA 4 11 M 18-24	61617.30	59111	2506.30	0.851	0.815	0.035
4102: SPA 4 12 M 25-29	36703.92	57342	-20638.08	0.507	0.791	-0.284
4103: SPA 4 13 M 30-39	98223.98	105852	-7628.02	1.356	1.460	-0.104
4104: SPA 4 14 M 40-49	89257.66	85350	3907.66	1.232	1.177	0.055
4105: SPA 4 15 M 50-59	60443.64	61126	-682.36	0.834	0.843	-0.009
4106: SPA 4 16 M 60-64	20082.86	21812	-1729.14	0.277	0.301	-0.024
4107: SPA 4 17 M 65+	36322.29	46537	-10214.71	0.501	0.642	-0.140
4201: SPA 4 21 F 18-24	60884.41	55268	5616.41	0.840	0.762	0.078
4202: SPA 4 22 F 25-29	44152.19	53173	-9020.81	0.609	0.733	-0.124
4203: SPA 4 23 F 30-39	82636.72	92530	-9893.28	1.141	1.276	-0.135
4204: SPA 4 24 F 40-49	109368.82	72563	36805.82	1.510	1.001	0.509
4205: SPA 4 25 F 50-59	97346.59	61843	35503.59	1.344	0.853	0.491
4206: SPA 4 26 F 60-64	38562.84	24612	13950.84	0.532	0.339	0.193
4207: SPA 4 27 F 65+	74487.13	63989	10498.13	1.028	0.882	0.146
5103: SPA 5 13 M 30-39	33524.69	51949	-18424.31	0.463	0.716	-0.254
5104: SPA 5 14 M 40-49	33589.12	43859	-10269.88	0.464	0.605	-0.141
5105: SPA 5 15 M 50-59	31687.82	38289	-6601.18	0.437	0.528	-0.091
5106: SPA 5 16 M 60-64	15051.96	16317	-1265.04	0.208	0.225	-0.017
5107: SPA 5 17 M 65+	38763.70	38369	394.70	0.535	0.529	0.006
5112: SPA 5 11/12 M 18-29	41498.69	56400	-14901.31	0.573	0.778	-0.205
5203: SPA 5 23 F 30-39	44767.79	52252	-7484.21	0.618	0.721	-0.103
5204: SPA 5 24 F 40-49	57675.01	45898	11777.01	0.796	0.633	0.163
5205: SPA 5 25 F 50-59	62005.00	41808	20197.00	0.856	0.576	0.279
5206: SPA 5 26 F 60-64	21987.30	18535	3452.30	0.303	0.256	0.048
5207: SPA 5 27 F 65+	57755.89	48863	8892.89	0.797	0.674	0.123



GEO_SPA_GENDER_AGEGROUP	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
5212: SPA 5 21/22 F 18-29	31980.95	59200	-27219.05	0.441	0.816	-0.375
6101: SPA 6 11 M 18-24	38906.87	63252	-24345.13	0.537	0.872	-0.335
6102: SPA 6 12 M 25-29	31458.03	39006	-7547.97	0.434	0.538	-0.104
6103: SPA 6 13 M 30-39	50493.30	67693	-17199.70	0.697	0.933	-0.236
6104: SPA 6 14 M 40-49	69662.84	61335	8327.84	0.962	0.846	0.116
6105: SPA 6 15 M 50-59	45734.72	46431	-696.28	0.631	0.640	-0.009
6106: SPA 6 16 M 60-64	15403.06	14408	995.06	0.213	0.199	0.014
6107: SPA 6 17 M 65+	23529.76	28883	-5353.24	0.325	0.398	-0.073
6201: SPA 6 21 F 18-24	75210.95	61292	13918.95	1.038	0.845	0.193
6202: SPA 6 22 F 25-29	40753.56	38227	2526.56	0.563	0.527	0.035
6203: SPA 6 23 F 30-39	100132.46	70839	29293.46	1.382	0.977	0.405
6204: SPA 6 24 F 40-49	94648.91	66040	28608.91	1.306	0.911	0.396
6205: SPA 6 25 F 50-59	102543.30	53662	48881.30	1.415	0.740	0.675
6206: SPA 6 26 F 60-64	32765.42	17811	14954.42	0.452	0.246	0.207
6207: SPA 6 27 F 65+	57731.87	44157	13574.87	0.797	0.609	0.188
7101: SPA 7 11 M 18-24	50168.12	72729	-22560.88	0.692	1.003	-0.310
7102: SPA 7 12 M 25-29	30419.38	46945	-16525.62	0.420	0.647	-0.227
7103: SPA 7 13 M 30-39	64929.93	90129	-25199.07	0.896	1.243	-0.347
7104: SPA 7 14 M 40-49	51889.76	86796	-34906.24	0.716	1.197	-0.481
7105: SPA 7 15 M 50-59	69618.76	69703	-84.24	0.961	0.961	-0.000
7106: SPA 7 16 M 60-64	29482.64	24793	4689.64	0.407	0.342	0.065
7107: SPA 7 17 M 65+	53287.47	53156	131.47	0.736	0.733	0.003
7201: SPA 7 21 F 18-24	72234.23	69013	3221.23	0.997	0.952	0.045
7202: SPA 7 22 F 25-29	44771.76	46358	-1586.24	0.618	0.639	-0.021
7203: SPA 7 23 F 30-39	86769.79	92737	-5967.21	1.198	1.279	-0.081
7204: SPA 7 24 F 40-49	108405.41	88595	19810.41	1.496	1.222	0.275
7205: SPA 7 25 F 50-59	84233.87	76541	7692.87	1.163	1.055	0.107
7206: SPA 7 26 F 60-64	29178.14	28993	185.14	0.403	0.400	0.003
7207: SPA 7 27 F 65+	81219.16	72947	8272.16	1.121	1.006	0.115
8101: SPA 8 11 M 18-24	46344.45	74649	-28304.55	0.640	1.029	-0.390
8102: SPA 8 12 M 25-29	30222.91	54947	-24724.09	0.417	0.758	-0.341
8103: SPA 8 13 M 30-39	82875.77	104170	-21294.23	1.144	1.436	-0.292
8104: SPA 8 14 M 40-49	106667.58	109887	-3219.42	1.472	1.515	-0.043
8105: SPA 8 15 M 50-59	92448.38	93424	-975.62	1.276	1.288	-0.012
8106: SPA 8 16 M 60-64	42385.69	33687	8698.69	0.585	0.465	0.121
8107: SPA 8 17 M 65+	68698.20	71447	-2748.80	0.948	0.985	-0.037
8201: SPA 8 21 F 18-24	66490.78	73447	-6956.22	0.918	1.013	-0.095
8202: SPA 8 22 F 25-29	37246.31	56039	-18792.69	0.514	0.773	-0.259
8203: SPA 8 23 F 30-39	120798.71	109452	11346.71	1.667	1.509	0.158
8204: SPA 8 24 F 40-49	123523.29	115463	8060.29	1.705	1.592	0.113
8205: SPA 8 25 F 50-59	135586.55	99999	35587.55	1.871	1.379	0.493

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
GEO_SPA_GENDER_AGEGROUP						
8206: SPA 8 26 F 60-64	53286.83	38365	14921.83	0.736	0.529	0.206
8207: SPA 8 27 F 65+	122847.43	92167	30680.43	1.696	1.271	0.425

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
I_HOUADULT_R2						
1 1	1107835.87	1007790	100045.56	15.291	13.897	1.395
2 2	3020958.14	3055984	-35026.07	41.698	42.139	-0.441
3 3	1508853.50	1515856	-7002.26	20.827	20.902	-0.076
4 4+	1607184.41	1672454	-65269.32	22.184	23.062	-0.878

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
I_HOUDEPT_R2						
1 0	4665372.15	4044576	620796.07	64.396	55.771	8.625
2 1	961321.69	1329920	-368598.29	13.269	18.338	-5.069
3 2	945482.99	1108476	-162992.59	13.050	15.285	-2.234
4 3+	672655.08	769112	-96457.27	9.285	10.605	-1.321

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
I_Q64C_R						
1 US citizen	5857524.04	5476035	381488.67	80.851	75.510	5.341
2 not US citizen	1387307.88	1776049	-388740.75	19.149	24.490	-5.341

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
I_Q64_R2						
1 Born in US	4400763.70	3927321	473442.98	60.743	54.154	6.589
2 Born Outside US	2844068.22	3324763	-480695.06	39.257	45.846	-6.589

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
I_Q79_R2						
1 Own	3637287.48	3848547	-211259.34	50.205	53.068	-2.863
2 Rent	3607544.43	3403537	204007.25	49.795	46.932	2.863

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
I_Q75_R2						
1 Married	3539060.28	3468975	70085.57	48.849	47.834	1.015
2 Never married, living together, domestic partners	2387783.90	2541189	-153405.52	32.958	35.041	-2.082
3 Widowed	422403.12	381896	40507.39	5.830	5.266	0.564
4 Divorced, separated	895584.61	860024	35560.48	12.362	11.859	0.503

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
I_EDU_R						
1 Less than high school	1593572.53	1681331	-87758.87	21.996	23.184	-1.188
2 High school	1333377.00	1617519	-284142.39	18.405	22.304	-3.900
3 Some college or trade school	1785207.49	2020765	-235557.46	24.641	27.865	-3.223
4 College or post graduate degree	2532674.89	1932468	600206.64	34.958	26.647	8.311

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
I_RACE_R2						
1 Latino	3238966.57	3158055	80911.57	44.707	43.547	1.160
2 White, AI, W/AI	2567013.28	2346714	220299.28	35.432	32.359	3.073
3 Black	708058.29	620187	87871.29	9.773	8.552	1.221
4 Asian	730793.78	1127128	-396334.22	10.087	15.542	-5.455

	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
GENDER_AGEGROUP						
11 M 18-24	408380.26	513100	-104719.74	5.637	7.075	-1.438
12 M 25-29	269232.78	379160	-109927.22	3.716	5.228	-1.512
13 M 30-39	529110.90	704412	-175301.10	7.303	9.713	-2.410
14 M 40-49	616976.53	692740	-75763.47	8.516	9.552	-1.036
15 M 50-59	544770.38	579280	-34509.62	7.519	7.988	-0.468
16 M 60-64	231837.11	208009	23828.11	3.200	2.868	0.332
17 M 65+	415968.41	440995	-25026.59	5.742	6.081	-0.339

GENDER_AGEGROUP	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
21 F 18-24	464912.04	489529	-24616.96	6.417	6.750	-0.333
22 F 25-29	311264.37	370697	-59432.63	4.296	5.112	-0.815
23 F 30-39	738368.02	711106	27262.02	10.192	9.806	0.386
24 F 40-49	838672.61	709527	129145.61	11.576	9.784	1.792
25 F 50-59	856299.63	625061	231238.63	11.819	8.619	3.200
26 F 60-64	318041.27	237768	80273.27	4.390	3.279	1.111
27 F 65+	700997.60	590700	110297.60	9.676	8.145	1.531

\*\*\*\* Program terminated at iteration 7 because all current percents differ from target percents by less than 0.1 \*\*\*\*

**Weighted Distribution After Raking**

TELEPHONE_SERVICE6C	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
1 Cell-only	1574731.29	1573702	1029.06	21.714	21.722	-0.008
2 Landline-only	893027.24	892732	295.70	12.314	12.322	-0.008
3 Dual user, Cell mostly	1397070.85	1395301	1769.89	19.264	19.259	0.005
4 Dual user, Not Cell mostly	3387254.62	3383097	4157.43	46.707	46.697	0.011

GEO_HD_R	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
1: 3 Alhambra	267856.20	267978	-121.80	3.694	3.695	-0.002
2: 5 Antelope Valley	258965.17	258906	59.17	3.571	3.570	0.001
3: 6 Bellflower	258641.98	258578	63.98	3.566	3.566	0.001
4: 9 Central	250804.50	250811	-6.50	3.458	3.458	-0.000
5: 12 Compton	182755.14	182928	-172.86	2.520	2.522	-0.002
6: 16 East LA	142157.85	142154	3.85	1.960	1.960	0.000
7: 19 East Valley	331214.01	331292	-77.99	4.567	4.568	-0.001
8: 23 El Monte	312289.52	311925	364.52	4.306	4.301	0.005
9: 25 Foothill	224916.94	224614	302.94	3.101	3.097	0.004
10: 27 Glendale	266651.77	266836	-184.23	3.677	3.679	-0.003
11: 31 Harbor	145025.78	145085	-59.22	2.000	2.001	-0.001
12: 34 Hollywood-Wilshire	392341.13	392548	-206.87	5.410	5.413	-0.003
13: 37 Inglewood	293893.52	293987	-93.48	4.053	4.054	-0.001
14: 40 Long Beach	340752.95	340865	-112.05	4.699	4.700	-0.002
15: 47 Northeast	217831.76	217747	84.76	3.004	3.003	0.001
16: 50 Pasadena	108747.90	108707	40.90	1.500	1.499	0.001
17: 54 Pomona	388669.11	388111	558.11	5.359	5.352	0.008

GEO_HD_R	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
18: 58 San Antonio	288413.84	288270	143.84	3.977	3.975	0.002
19: 62 San Fernando	354598.40	354436	162.40	4.890	4.887	0.002
20: 69 South	118280.90	118420	-139.10	1.631	1.633	-0.002
21: 72 Southeast	106279.75	106484	-204.25	1.466	1.468	-0.003
22: 75 Southwest	264942.70	265206	-263.30	3.653	3.657	-0.004
23: 79 Torrance	347106.61	347204	-97.39	4.786	4.788	-0.001
24: 84 West	511528.18	511736	-207.82	7.054	7.056	-0.003
25: 86 West Valley	646738.31	646817	-78.69	8.918	8.919	-0.001
26: 91 Whittier	230680.09	230439	241.09	3.181	3.178	0.003

GEO_SPA_I_RACE_R2	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
101: SPA 1 Latino	102603.83	102539	64.83	1.415	1.414	0.001
102: SPA 1 White, AI, W/AI	107931.52	107860	71.52	1.488	1.487	0.001
134: SPA 1 Black/Asian	48429.81	48507	-77.19	0.668	0.669	-0.001
201: SPA 2 Latino	562915.69	563040	-124.31	7.762	7.764	-0.002
202: SPA 2 White, AI, W/AI	789951.62	790329	-377.38	10.893	10.898	-0.005
203: SPA 2 Black	55729.02	55931	-201.98	0.768	0.771	-0.003
204: SPA 2 Asian	190606.15	190081	525.15	2.628	2.621	0.007
301: SPA 3 Latino	545629.53	545219	410.53	7.524	7.518	0.006
302: SPA 3 White, AI, W/AI	314643.74	314762	-118.26	4.339	4.340	-0.002
303: SPA 3 Black	49874.88	50040	-165.12	0.688	0.690	-0.002
304: SPA 3 Asian	392331.51	391315	1016.51	5.410	5.396	0.014
401: SPA 4 Latino	405243.39	405346	-102.61	5.588	5.589	-0.001
402: SPA 4 White, AI, W/AI	243730.02	243933	-202.98	3.361	3.364	-0.003
403: SPA 4 Black	43478.50	43628	-149.50	0.600	0.602	-0.002
404: SPA 4 Asian	168525.47	168201	324.47	2.324	2.319	0.004
501: SPA 5 Latino	72614.47	72621	-6.53	1.001	1.001	-0.000
502: SPA 5 White, AI, W/AI	339966.20	340274	-307.80	4.688	4.692	-0.004
503: SPA 5 Black	29134.25	29243	-108.75	0.402	0.403	-0.001
504: SPA 5 Asian	69813.27	69601	212.27	0.963	0.960	0.003
601: SPA 6 Latino	430261.16	430232	29.16	5.933	5.933	0.000
603: SPA 6 Black	210391.78	211186	-794.22	2.901	2.912	-0.011
624: SPA 6 White, AI, W/AI, Asian	31605.55	31618	-12.45	0.436	0.436	-0.000
701: SPA 7 Latino	642263.49	641890	373.49	8.856	8.851	0.005
702: SPA 7 White, AI, W/AI	156836.22	156916	-79.78	2.163	2.164	-0.001
703: SPA 7 Black	26777.07	26886	-108.93	0.369	0.371	-0.002
704: SPA 7 Asian	94016.99	93743	273.99	1.296	1.293	0.004

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
GEO_SPA_I_RACE_R2						
801: SPA 8 Latino	397059.38	397168	-108.62	5.475	5.477	-0.001
802: SPA 8 White, AI, W/AI	375287.54	375347	-59.46	5.175	5.176	-0.001
803: SPA 8 Black	165841.85	166439	-597.15	2.287	2.295	-0.008
804: SPA 8 Asian	188590.09	188189	401.09	2.600	2.595	0.006

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
GEO_SPA_GENDER_AGEGRUOP						
1103: SPA 1 13 M 30-39	21447.01	21411	36.01	0.296	0.295	0.000
1104: SPA 1 14 M 40-49	25987.14	25972	15.14	0.358	0.358	0.000
1105: SPA 1 15 M 50-59	23547.64	23576	-28.36	0.325	0.325	-0.000
1106: SPA 1 16 M 60-64	7431.95	7435	-3.05	0.102	0.103	-0.000
1107: SPA 1 17 M 65+	13471.28	13483	-11.72	0.186	0.186	-0.000
1112: SPA 1 11/12 M 18-29	32418.84	32379	39.84	0.447	0.446	0.001
1203: SPA 1 23 F 30-39	24113.48	24084	29.48	0.333	0.332	0.000
1204: SPA 1 24 F 40-49	28258.16	28272	-13.84	0.390	0.390	-0.000
1205: SPA 1 25 F 50-59	24468.68	24470	-1.32	0.337	0.337	-0.000
1206: SPA 1 26 F 60-64	7876.36	7882	-5.64	0.109	0.109	-0.000
1207: SPA 1 27 F 65+	17323.59	17340	-16.41	0.239	0.239	-0.000
1212: SPA 1 21/22 F 18-29	32621.03	32602	19.03	0.450	0.450	0.000
2101: SPA 2 11 M 18-24	105772.92	105309	463.92	1.459	1.452	0.006
2102: SPA 2 12 M 25-29	79336.14	79868	-531.86	1.094	1.101	-0.007
2103: SPA 2 13 M 30-39	150686.86	150770	-83.14	2.078	2.079	-0.001
2104: SPA 2 14 M 40-49	158081.92	158083	-1.08	2.180	2.180	-0.000
2105: SPA 2 15 M 50-59	136552.84	136508	44.84	1.883	1.882	0.001
2106: SPA 2 16 M 60-64	48171.53	48194	-22.47	0.664	0.665	-0.000
2107: SPA 2 17 M 65+	100131.44	100119	12.44	1.381	1.381	0.000
2201: SPA 2 21 F 18-24	98825.59	98735	90.59	1.363	1.361	0.001
2202: SPA 2 22 F 25-29	76593.00	76709	-116.00	1.056	1.058	-0.002
2203: SPA 2 23 F 30-39	151844.43	151856	-11.57	2.094	2.094	-0.000
2204: SPA 2 24 F 40-49	163055.16	163058	-2.84	2.248	2.248	-0.000
2205: SPA 2 25 F 50-59	144075.70	144082	-6.30	1.987	1.987	-0.000
2206: SPA 2 26 F 60-64	53895.42	53877	18.42	0.743	0.743	0.000
2207: SPA 2 27 F 65+	132179.52	132213	-33.48	1.823	1.823	-0.000
3101: SPA 3 11 M 18-24	90192.05	89695	497.05	1.244	1.237	0.007
3102: SPA 3 12 M 25-29	60230.49	60628	-397.51	0.831	0.836	-0.005
3103: SPA 3 13 M 30-39	112590.36	112438	152.36	1.553	1.550	0.002
3104: SPA 3 14 M 40-49	121533.39	121458	75.39	1.676	1.675	0.001
3105: SPA 3 15 M 50-59	110274.13	110223	51.13	1.521	1.520	0.001

GEO_SPA_GENDER_AGEGROUP	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
3106: SPA 3 16 M 60-64	41384.19	41363	21.19	0.571	0.570	0.000
3107: SPA 3 17 M 65+	89088.85	89001	87.85	1.228	1.227	0.001
3201: SPA 3 21 F 18-24	82048.89	81857	191.89	1.131	1.129	0.003
3202: SPA 3 22 F 25-29	58210.17	58306	-95.83	0.803	0.804	-0.001
3203: SPA 3 23 F 30-39	117475.85	117356	119.85	1.620	1.618	0.002
3204: SPA 3 24 F 40-49	129815.16	129638	177.16	1.790	1.788	0.002
3205: SPA 3 25 F 50-59	122809.03	122656	153.03	1.693	1.691	0.002
3206: SPA 3 26 F 60-64	47716.64	47693	23.64	0.658	0.658	0.000
3207: SPA 3 27 F 65+	119110.46	119024	86.46	1.642	1.641	0.001
4101: SPA 4 11 M 18-24	59458.19	59111	347.19	0.820	0.815	0.005
4102: SPA 4 12 M 25-29	57016.40	57342	-325.60	0.786	0.791	-0.004
4103: SPA 4 13 M 30-39	105819.47	105852	-32.53	1.459	1.460	-0.000
4104: SPA 4 14 M 40-49	85323.88	85350	-26.12	1.177	1.177	-0.000
4105: SPA 4 15 M 50-59	61154.79	61126	28.79	0.843	0.843	0.000
4106: SPA 4 16 M 60-64	21826.63	21812	14.63	0.301	0.301	0.000
4107: SPA 4 17 M 65+	46498.35	46537	-38.65	0.641	0.642	-0.001
4201: SPA 4 21 F 18-24	55323.57	55268	55.57	0.763	0.762	0.001
4202: SPA 4 22 F 25-29	53078.86	53173	-94.14	0.732	0.733	-0.001
4203: SPA 4 23 F 30-39	92505.04	92530	-24.96	1.276	1.276	-0.000
4204: SPA 4 24 F 40-49	72516.91	72563	-46.09	1.000	1.001	-0.001
4205: SPA 4 25 F 50-59	61802.23	61843	-40.77	0.852	0.853	-0.001
4206: SPA 4 26 F 60-64	24607.36	24612	-4.64	0.339	0.339	-0.000
4207: SPA 4 27 F 65+	64045.71	63989	56.71	0.883	0.882	0.001
5103: SPA 5 13 M 30-39	51986.27	51949	37.27	0.717	0.716	0.001
5104: SPA 5 14 M 40-49	43857.33	43859	-1.67	0.605	0.605	-0.000
5105: SPA 5 15 M 50-59	38272.91	38289	-16.09	0.528	0.528	-0.000
5106: SPA 5 16 M 60-64	16312.77	16317	-4.23	0.225	0.225	-0.000
5107: SPA 5 17 M 65+	38345.88	38369	-23.12	0.529	0.529	-0.000
5112: SPA 5 11/12 M 18-29	56322.99	56400	-77.01	0.777	0.778	-0.001
5203: SPA 5 23 F 30-39	52232.38	52252	-19.62	0.720	0.721	-0.000
5204: SPA 5 24 F 40-49	45910.77	45898	12.77	0.633	0.633	0.000
5205: SPA 5 25 F 50-59	41781.72	41808	-26.28	0.576	0.576	-0.000
5206: SPA 5 26 F 60-64	18527.49	18535	-7.51	0.255	0.256	-0.000
5207: SPA 5 27 F 65+	48833.18	48863	-29.82	0.673	0.674	-0.000
5212: SPA 5 21/22 F 18-29	59144.48	59200	-55.52	0.816	0.816	-0.001
6101: SPA 6 11 M 18-24	63509.67	63252	257.67	0.876	0.872	0.004
6102: SPA 6 12 M 25-29	38739.42	39006	-266.58	0.534	0.538	-0.004
6103: SPA 6 13 M 30-39	67580.54	67693	-112.46	0.932	0.933	-0.002
6104: SPA 6 14 M 40-49	61215.09	61335	-119.91	0.844	0.846	-0.002
6105: SPA 6 15 M 50-59	46361.56	46431	-69.44	0.639	0.640	-0.001
6106: SPA 6 16 M 60-64	14381.94	14408	-26.06	0.198	0.199	-0.000

GEO_SPA_GENDER_AGEGROUP	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
6107: SPA 6 17 M 65+	28850.99	28883	-32.01	0.398	0.398	-0.000
6201: SPA 6 21 F 18-24	61407.34	61292	115.34	0.847	0.845	0.002
6202: SPA 6 22 F 25-29	38116.93	38227	-110.07	0.526	0.527	-0.002
6203: SPA 6 23 F 30-39	70762.58	70839	-76.42	0.976	0.977	-0.001
6204: SPA 6 24 F 40-49	65931.93	66040	-108.07	0.909	0.911	-0.001
6205: SPA 6 25 F 50-59	53548.85	53662	-113.15	0.738	0.740	-0.002
6206: SPA 6 26 F 60-64	17781.55	17811	-29.45	0.245	0.246	-0.000
6207: SPA 6 27 F 65+	44070.10	44157	-86.90	0.608	0.609	-0.001
7101: SPA 7 11 M 18-24	73141.19	72729	412.19	1.009	1.003	0.006
7102: SPA 7 12 M 25-29	46616.10	46945	-328.90	0.643	0.647	-0.005
7103: SPA 7 13 M 30-39	90136.56	90129	7.56	1.243	1.243	0.000
7104: SPA 7 14 M 40-49	86813.59	86796	17.59	1.197	1.197	0.000
7105: SPA 7 15 M 50-59	69723.31	69703	20.31	0.961	0.961	0.000
7106: SPA 7 16 M 60-64	24800.81	24793	7.81	0.342	0.342	0.000
7107: SPA 7 17 M 65+	53211.49	53156	55.49	0.734	0.733	0.001
7201: SPA 7 21 F 18-24	69095.43	69013	82.43	0.953	0.952	0.001
7202: SPA 7 22 F 25-29	46288.84	46358	-69.16	0.638	0.639	-0.001
7203: SPA 7 23 F 30-39	92738.11	92737	1.11	1.279	1.279	0.000
7204: SPA 7 24 F 40-49	88624.73	88595	29.73	1.222	1.222	0.000
7205: SPA 7 25 F 50-59	76665.95	76541	124.95	1.057	1.055	0.002
7206: SPA 7 26 F 60-64	29011.44	28993	18.44	0.400	0.400	0.000
7207: SPA 7 27 F 65+	73026.22	72947	79.22	1.007	1.006	0.001
8101: SPA 8 11 M 18-24	74964.28	74649	315.28	1.034	1.029	0.004
8102: SPA 8 12 M 25-29	54541.31	54947	-405.69	0.752	0.758	-0.006
8103: SPA 8 13 M 30-39	104164.93	104170	-5.07	1.436	1.436	-0.000
8104: SPA 8 14 M 40-49	109927.66	109887	40.66	1.516	1.515	0.001
8105: SPA 8 15 M 50-59	93392.82	93424	-31.18	1.288	1.288	-0.000
8106: SPA 8 16 M 60-64	33699.17	33687	12.17	0.465	0.465	0.000
8107: SPA 8 17 M 65+	71396.71	71447	-50.29	0.984	0.985	-0.001
8201: SPA 8 21 F 18-24	73558.42	73447	111.42	1.014	1.013	0.002
8202: SPA 8 22 F 25-29	55913.45	56039	-125.55	0.771	0.773	-0.002
8203: SPA 8 23 F 30-39	109434.12	109452	-17.88	1.509	1.509	-0.000
8204: SPA 8 24 F 40-49	115414.19	115463	-48.81	1.591	1.592	-0.001
8205: SPA 8 25 F 50-59	99908.85	99999	-90.15	1.378	1.379	-0.001
8206: SPA 8 26 F 60-64	38351.73	38365	-13.27	0.529	0.529	-0.000
8207: SPA 8 27 F 65+	92111.22	92167	-55.78	1.270	1.271	-0.001



	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_HOUADULT_R2						
1 1	1006505.49	1007790	-1284.81	13.879	13.897	-0.018
2 2	3055420.10	3055984	-564.10	42.132	42.139	-0.008
3 3	1516368.31	1515856	512.56	20.909	20.902	0.007
4 4+	1673790.09	1672454	1336.36	23.080	23.062	0.018

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_HOUDEPT_R2						
1 0	4044144.28	4044576	-431.80	55.765	55.771	-0.006
2 1	1330521.25	1329920	601.26	18.347	18.338	0.008
3 2	1108550.94	1108476	75.36	15.286	15.285	0.001
4 3+	768867.54	769112	-244.82	10.602	10.605	-0.003

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
Imputed value: Q64C_R						
1 US citizen	5472507.80	5476035	-3527.57	75.461	75.510	-0.049
2 not US citizen	1779576.20	1776049	3527.57	24.539	24.490	0.049

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_Q64_R2						
1 Born in US	3923259.27	3927321	-4061.45	54.098	54.154	-0.056
2 Born Outside US	3328824.73	3324763	4061.45	45.902	45.846	0.056

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_Q79_R2						
1 Own	3850556.70	3848547	2009.88	53.096	53.068	0.028
2 Rent	3401527.30	3403537	-2009.88	46.904	46.932	-0.028

I_Q75_R2	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
1 Married	3468776.41	3468975	-198.31	47.831	47.834	-0.003
2 Never married, living together, domestic partners	2542672.40	2541189	1482.98	35.061	35.041	0.020
3 Widowed	381362.39	381896	-533.34	5.259	5.266	-0.007
4 Divorced, separated	859272.80	860024	-751.33	11.849	11.859	-0.010

Imputed value: EDU_R	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
1 Less than high school	1682014.60	1681331	683.19	23.194	23.184	0.009
2 High school	1617901.65	1617519	382.26	22.309	22.304	0.005
3 Some college or trade school	2020268.30	2020765	-496.65	27.858	27.865	-0.007
4 College or post graduate degree	1931899.45	1932468	-568.80	26.639	26.647	-0.008

I_RACE_R2	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
1 Latino	3158590.94	3158055	535.94	43.554	43.547	0.007
2 White, AI, W/AI	2346102.77	2346714	-611.23	32.351	32.359	-0.008
3 Black	620230.63	620187	43.63	8.552	8.552	0.001
4 Asian	1127159.66	1127128	31.66	15.543	15.542	0.000

GENDER_AGEGROUP	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
11 M 18-24	513100.00	513100	-0.00	7.075	7.075	0.000
12 M 25-29	379160.00	379160	-0.00	5.228	5.228	-0.000
13 M 30-39	704412.00	704412	0.00	9.713	9.713	0.000
14 M 40-49	692740.00	692740	-0.00	9.552	9.552	-0.000
15 M 50-59	579280.00	579280	-0.00	7.988	7.988	0.000
16 M 60-64	208009.00	208009	0.00	2.868	2.868	0.000
17 M 65+	440995.00	440995	0.00	6.081	6.081	0.000
21 F 18-24	489529.00	489529	0.00	6.750	6.750	0.000
22 F 25-29	370697.00	370697	-0.00	5.112	5.112	0.000
23 F 30-39	711106.00	711106	-0.00	9.806	9.806	-0.000
24 F 40-49	709527.00	709527	0.00	9.784	9.784	0.000
25 F 50-59	625061.00	625061	-0.00	8.619	8.619	-0.000
26 F 60-64	237768.00	237768	0.00	3.279	3.279	0.000
27 F 65+	590700.00	590700	0.00	8.145	8.145	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	259453.67	3.6243	0.95585
2	89771.85	1.2379	0.95995
3	46722.63	0.6443	0.96868
4	36653.49	0.5054	0.97128
5	21097.69	0.2909	0.97088
6	9750.78	0.1345	0.96991
7	4157.43	0.0560	0.96918

Number of Respondents Who Had Their Weights Decreased by the Trimming: **44**.

Number of Respondents Who Had Their Weights Increased by the Trimming: **201**.

Raking output weight: **ADULT\_RAKED\_WT**

Weight	Mean	Min	Max	CV
COMPOSITE_WT_ATPT	901.55	136.71	3845.44	0.823
ADULT_RAKED_WT	902.45	100.07	7976.82	0.969

**Appendix VIII-E: Subsample Sizes for the Raking Variables**

LACHS2011\_6A12.LS2

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.1. TELEPHONE\_SERVICE6C by SUBSAMP

Obs	TELEPHONE_SERVICE6C	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Cell-only	92	94	88	77	73	74	82	77
2	2 Landline-only	157	194	179	193	181	177	189	194
3	3 Dual user, Cell mostly	200	204	183	186	217	192	196	200
4	4 Dual user, Not Cell mostly	557	506	556	548	530	561	537	542
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

LACHS2011\_6A12.LS2

3

LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.2. GEO\_HD\_R by SUBSAMP

Obs	GEO_HD_R	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1: 3 Alhambra	29	36	27	34	39	38	35	43
2	2: 5 Antelope Valley	84	75	68	66	64	69	82	61
3	3: 6 Bellflower	29	33	29	31	30	33	31	33
4	4: 9 Central	39	33	41	41	34	34	33	32
5	5: 12 Compton	16	20	22	26	19	28	30	30
6	6: 16 East LA	21	17	17	12	16	17	9	10
7	7: 19 East Valley	39	42	43	38	40	43	49	41
8	8: 23 El Monte	31	37	34	29	34	17	27	37
9	9: 25 Foothill	46	36	37	38	51	37	25	35
10	10: 27 Glendale	31	36	39	33	32	26	34	41
11	11: 31 Harbor	24	27	25	26	31	33	21	27
12	12: 34 Hollywood-Wilshire	57	50	45	43	46	54	64	44
13	13: 37 Inglewood	46	49	39	43	36	38	33	47
14	14: 40 Long Beach	39	32	36	46	41	38	46	36
15	15: 47 Northeast	32	31	33	28	22	25	32	31
16	16: 50 Pasadena	20	21	20	18	17	25	24	20
17	17: 54 Pomona	58	50	46	46	55	54	41	38
18	18: 58 San Antonio	27	39	37	30	26	26	30	28
19	19: 62 San Fernando	55	50	50	44	50	40	49	54
20	20: 69 South	11	14	17	19	20	11	14	17
21	21: 72 Southeast	9	10	8	14	11	9	12	12
22	22: 75 Southwest	44	34	45	38	34	40	44	44
23	23: 79 Torrance	45	48	50	51	55	59	41	58
24	24: 84 West	68	66	90	75	96	66	89	75
25	25: 86 West Valley	83	79	83	104	73	106	87	94
26	26: 91 Whittier	23	33	25	31	29	38	22	25
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

LACHS2011\_6A12.LS2

4

LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.3. GEO\_SPA\_I\_RACE\_R2 by SUBSAMP

Obs	GEO_SPA_I_RACE_R2	N_SUBSAMP_1	N_SUBSAMP_2	N_SUBSAMP_3	N_SUBSAMP_4	N_SUBSAMP_5	N_SUBSAMP_6	N_SUBSAMP_7	N_SUBSAMP_8
1	101: SPA 1 Latino	23	21	19	21	16	15	23	18
2	102: SPA 1 White, AI, W/AI	49	40	38	39	43	46	44	37
3	134: SPA 1 Black/Asian	12	14	11	6	5	8	15	6
4	201: SPA 2 Latino	58	45	73	59	54	55	68	65
5	202: SPA 2 White, AI, W/AI	127	138	128	138	121	139	121	140
6	203: SPA 2 Black	7	5	4	4	10	4	7	5
7	204: SPA 2 Asian	16	19	10	18	10	17	23	20
8	301: SPA 3 Latino	53	51	58	55	70	58	47	64
9	302: SPA 3 White, AI, W/AI	84	77	68	67	72	67	62	65
10	303: SPA 3 Black	11	8	4	10	14	15	11	10
11	304: SPA 3 Asian	36	44	34	33	40	31	32	34
12	401: SPA 4 Latino	62	64	68	56	47	54	69	38
13	402: SPA 4 White, AI, W/AI	37	28	28	35	36	37	47	44
14	403: SPA 4 Black	8	10	5	5	5	3	4	7
15	404: SPA 4 Asian	21	12	18	16	14	19	9	18
16	501: SPA 5 Latino	8	9	15	6	13	6	13	5
17	502: SPA 5 White, AI, W/AI	46	47	60	60	63	52	61	60
18	503: SPA 5 Black	8	6	7	7	6	3	7	4
19	504: SPA 5 Asian	6	4	8	2	14	5	8	6
20	601: SPA 6 Latino	33	31	46	58	51	40	47	43
21	603: SPA 6 Black	42	41	42	35	30	40	50	55
22	624: SPA 6 White, AI, W/AI,Asian	5	6	4	4	3	8	3	5
23	701: SPA 7 Latino	62	77	69	63	59	66	55	53
24	702: SPA 7 White, AI, W/AI	28	33	27	27	31	35	25	36
25	703: SPA 7 Black	2	4	7	5	4	4	5	1
26	704: SPA 7 Asian	8	8	5	9	7	9	7	6
27	801: SPA 8 Latino	54	36	36	43	58	50	39	50
28	802: SPA 8 White, AI, W/AI	61	85	74	82	65	75	64	84
29	803: SPA 8 Black	29	28	23	23	25	29	20	24
30	804: SPA 8 Asian	10	7	17	18	15	14	18	10
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.4. GEO\_SPA\_GENDER\_AGEGRUOP by SUBSAMP

Obs	GEO_SPA_GENDER_AGEGRUOP	N_SUBSAMP_1	N_SUBSAMP_2	N_SUBSAMP_3	N_SUBSAMP_4	N_SUBSAMP_5	N_SUBSAMP_6	N_SUBSAMP_7	N_SUBSAMP_8
1	1103: SPA 1 13 M 30-39	2	5	3	3	6	3	3	3
2	1104: SPA 1 14 M 40-49	6	2	4	8	3	6	9	4
3	1105: SPA 1 15 M 50-59	10	5	1	7	5	11	11	4
4	1106: SPA 1 16 M 60-64	3	4	4	1	5	1	5	1
5	1107: SPA 1 17 M 65+	9	7	5	6	1	6	7	3
6	1112: SPA 1 11/12 M 18-29	3	4	3	4	4	2	4	8
7	1203: SPA 1 23 F 30-39	9	16	5	7	4	5	5	2
8	1204: SPA 1 24 F 40-49	11	6	8	8	8	13	3	5
9	1205: SPA 1 25 F 50-59	12	9	11	6	8	6	16	10
10	1206: SPA 1 26 F 60-64	4	5	7	3	1	6	1	8
11	1207: SPA 1 27 F 65+	9	10	12	9	13	5	11	12
12	1212: SPA 1 21/22 F 18-29	6	2	5	4	6	5	7	1
13	2101: SPA 2 11 M 18-24	9	6	6	7	5	8	10	6
14	2102: SPA 2 12 M 25-29	7	3	6	8	7	6	2	2
15	2103: SPA 2 13 M 30-39	6	11	9	14	9	12	13	10
16	2104: SPA 2 14 M 40-49	15	15	17	13	13	22	24	23
17	2105: SPA 2 15 M 50-59	12	20	28	16	16	18	15	29
18	2106: SPA 2 16 M 60-64	9	8	7	11	5	8	9	12
19	2107: SPA 2 17 M 65+	22	14	23	27	12	17	14	20
20	2201: SPA 2 21 F 18-24	9	10	9	8	9	5	5	7
21	2202: SPA 2 22 F 25-29	5	6	6	2	10	5	7	8
22	2203: SPA 2 23 F 30-39	16	20	19	17	19	17	33	13
23	2204: SPA 2 24 F 40-49	24	20	27	23	15	31	22	24
24	2205: SPA 2 25 F 50-59	34	26	20	24	28	30	29	25
25	2206: SPA 2 26 F 60-64	9	12	13	19	12	11	12	12
26	2207: SPA 2 27 F 65+	31	36	25	30	35	25	24	39
27	3101: SPA 3 11 M 18-24	6	8	8	6	8	7	4	10
28	3102: SPA 3 12 M 25-29	2	3	4	6	3	5	3	1
29	3103: SPA 3 13 M 30-39	7	8	7	4	11	8	11	14
30	3104: SPA 3 14 M 40-49	23	17	11	14	20	19	8	14
31	3105: SPA 3 15 M 50-59	18	9	9	11	10	20	11	15
32	3106: SPA 3 16 M 60-64	6	6	5	6	6	6	10	10
33	3107: SPA 3 17 M 65+	15	19	13	18	21	13	14	10
34	3201: SPA 3 21 F 18-24	6	4	8	8	9	7	7	8
35	3202: SPA 3 22 F 25-29	5	4	2	7	9	2	6	7
36	3203: SPA 3 23 F 30-39	13	22	15	11	10	12	13	7
37	3204: SPA 3 24 F 40-49	25	20	20	16	20	18	20	15
38	3205: SPA 3 25 F 50-59	21	19	29	25	23	24	16	21
39	3206: SPA 3 26 F 60-64	9	9	7	11	11	7	7	13
40	3207: SPA 3 27 F 65+	28	32	26	22	35	23	22	28
41	4101: SPA 4 11 M 18-24	8	5	3	8	4	4	5	4
42	4102: SPA 4 12 M 25-29	6	3	1	2	1	2	5	4
43	4103: SPA 4 13 M 30-39	14	12	10	5	6	3	3	11
44	4104: SPA 4 14 M 40-49	11	14	13	9	5	13	16	13
45	4105: SPA 4 15 M 50-59	8	7	10	13	10	11	9	10

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Table 2.4. GEO\_SPA\_GENDER\_AGEGRUOP by SUBSAMP

Obs	GEO_SPA_GENDER_AGEGRUOP	N_SUBSAMP_1	N_SUBSAMP_2	N_SUBSAMP_3	N_SUBSAMP_4	N_SUBSAMP_5	N_SUBSAMP_6	N_SUBSAMP_7	N_SUBSAMP_8
46	4106: SPA 4 16 M 60-64	4	3	4	6	2	2	4	7
47	4107: SPA 4 17 M 65+	10	6	7	4	9	7	8	7
48	4201: SPA 4 21 F 18-24	5	6	4	6	4	5	5	3
49	4202: SPA 4 22 F 25-29	7	5	5	2	4	3	5	2
50	4203: SPA 4 23 F 30-39	12	9	12	11	9	14	9	12
51	4204: SPA 4 24 F 40-49	10	14	22	9	15	16	9	11
52	4205: SPA 4 25 F 50-59	11	13	10	12	15	15	24	9
53	4206: SPA 4 26 F 60-64	7	6	8	7	5	3	7	6
54	4207: SPA 4 27 F 65+	15	11	10	18	13	15	20	8
55	5103: SPA 5 13 M 30-39	5	2	5	6	9	3	3	4
56	5104: SPA 5 14 M 40-49	5	7	6	3	7	4	4	9
57	5105: SPA 5 15 M 50-59	3	5	10	7	9	6	4	5
58	5106: SPA 5 16 M 60-64	.	2	5	4	3	3	3	3
59	5107: SPA 5 17 M 65+	7	7	10	5	11	4	12	10
60	5112: SPA 5 11/12 M 18-29	6	1	3	4	4	.	4	3
61	5203: SPA 5 23 F 30-39	6	8	7	6	3	5	5	6
62	5204: SPA 5 24 F 40-49	10	9	8	7	8	13	16	13
63	5205: SPA 5 25 F 50-59	10	6	13	12	10	13	14	7
64	5206: SPA 5 26 F 60-64	5	4	7	6	4	3	7	3
65	5207: SPA 5 27 F 65+	10	11	11	13	22	12	17	10
66	5212: SPA 5 21/22 F 18-29	1	4	5	2	6	.	.	2
67	6101: SPA 6 11 M 18-24	2	1	2	5	5	5	5	2
68	6102: SPA 6 12 M 25-29	2	1	2	2	2	3	4	5
69	6103: SPA 6 13 M 30-39	3	5	5	6	3	3	5	6
70	6104: SPA 6 14 M 40-49	4	10	5	6	7	8	6	7
71	6105: SPA 6 15 M 50-59	7	2	5	8	6	3	5	11
72	6106: SPA 6 16 M 60-64	1	1	2	2	3	1	2	4
73	6107: SPA 6 17 M 65+	2	5	7	3	2	10	2	5
74	6201: SPA 6 21 F 18-24	3	6	6	8	4	6	7	6
75	6202: SPA 6 22 F 25-29	5	3	8	5	3	3	1	5
76	6203: SPA 6 23 F 30-39	12	12	11	18	9	11	16	12
77	6204: SPA 6 24 F 40-49	11	5	11	11	16	5	18	12
78	6205: SPA 6 25 F 50-59	15	15	13	13	10	17	11	9
79	6206: SPA 6 26 F 60-64	2	3	5	5	6	4	3	8
80	6207: SPA 6 27 F 65+	11	9	10	5	8	9	15	11
81	7101: SPA 7 11 M 18-24	4	3	4	4	4	7	8	3
82	7102: SPA 7 12 M 25-29	3	2	2	3	4	2	1	3
83	7103: SPA 7 13 M 30-39	6	12	10	4	5	5	11	3
84	7104: SPA 7 14 M 40-49	5	7	7	7	7	7	7	4
85	7105: SPA 7 15 M 50-59	12	13	7	10	10	7	3	6
86	7106: SPA 7 16 M 60-64	6	6	3	5	6	1	.	6
87	7107: SPA 7 17 M 65+	8	10	8	3	9	9	6	11
88	7201: SPA 7 21 F 18-24	4	11	6	4	4	7	4	4
89	7202: SPA 7 22 F 25-29	3	9	6	6	2	4	5	2
90	7203: SPA 7 23 F 30-39	5	13	15	13	10	9	6	13



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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.4. GEO\_SPA\_GENDER\_AGEGROUP by SUBSAMP

Obs	GEO_SPA_GENDER_AGEGROUP	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
91	7204: SPA 7 24 F 40-49	11	12	11	16	13	17	15	14
92	7205: SPA 7 25 F 50-59	13	9	12	13	8	13	10	9
93	7206: SPA 7 26 F 60-64	.	4	6	6	5	7	7	4
94	7207: SPA 7 27 F 65+	20	11	11	10	14	19	9	14
95	8101: SPA 8 11 M 18-24	6	4	.	5	4	3	6	2
96	8102: SPA 8 12 M 25-29	3	2	3	2	2	3	4	1
97	8103: SPA 8 13 M 30-39	8	8	9	8	8	10	15	11
98	8104: SPA 8 14 M 40-49	17	13	7	18	14	14	8	19
99	8105: SPA 8 15 M 50-59	9	12	15	13	17	18	11	11
100	8106: SPA 8 16 M 60-64	3	7	8	8	4	8	4	6
101	8107: SPA 8 17 M 65+	11	12	13	13	16	13	6	16
102	8201: SPA 8 21 F 18-24	7	6	5	8	6	4	3	8
103	8202: SPA 8 22 F 25-29	3	2	3	3	3	5	6	6
104	8203: SPA 8 23 F 30-39	13	18	21	12	19	13	16	11
105	8204: SPA 8 24 F 40-49	23	14	19	16	16	25	14	16
106	8205: SPA 8 25 F 50-59	18	21	18	27	19	18	17	21
107	8206: SPA 8 26 F 60-64	11	5	6	7	12	7	11	17
108	8207: SPA 8 27 F 65+	22	32	23	26	23	27	20	23
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.5. I\_HOUADULT\_R2 by SUBSAMP

Obs	I_HOUADULT_ R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 1	241	259	245	248	263	236	243	258
2	2 2	450	455	452	440	420	456	446	464
3	3 3	178	181	160	148	183	161	169	157
4	4 4+	137	103	149	168	135	151	146	134
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.6. I\_HOUDEPT\_R2 by SUBSAMP

Obs	I_HOUDEPT_ R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 0	654	677	663	675	688	685	675	705
2	2 1	125	128	117	117	109	109	120	112
3	3 2	130	118	130	124	124	129	128	123
4	4 3+	97	75	96	88	80	81	81	73
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.7. I\_Q64C\_R by SUBSAMP

Obs	I_Q64C_R	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 US citizen	863	875	849	859	853	871	857	876
2	2 not US citizen	143	123	157	145	148	133	147	137
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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Table 2.8. I\_Q64\_R2 by SUBSAMP

Obs	I_Q64_R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Born in US	668	677	653	650	649	704	648	679
2	2 Born Outside US	338	321	353	354	352	300	356	334
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.9. I\_Q79\_R2 by SUBSAMP

Obs	I_Q79_R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Own	423	434	432	414	429	395	425	437
2	2 Rent	583	564	574	590	572	609	579	576
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.10. I\_Q75\_R2 by SUBSAMP

		N	N	N	N	N	N	N	N
	I	—	—	—	—	—	—	—	—
	—	S	S	S	S	S	S	S	S
	Q	U	U	U	U	U	U	U	U
	7	B	B	B	B	B	B	B	B
	5	S	S	S	S	S	S	S	S
	O	A	A	A	A	A	A	A	A
	—	M	M	M	M	M	M	M	M
	b	P	P	P	P	P	P	P	P
	R	—	—	—	—	—	—	—	—
	s	2	1	2	3	4	5	6	7
		8							
1	1 Married	506	482	494	480	477	489	457	496
2	2 Never married, living together, domestic partners	273	291	281	284	263	250	305	275
3	3 Widowed	95	97	96	90	103	87	79	103
4	4 Divorced, separated	132	128	135	150	158	178	163	139
		====	====	====	====	====	====	====	====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.11. I\_EDU\_R by SUBSAMP

Obs	I_EDU_R	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Less than high school	176	171	176	175	174	164	197	168
2	2 High school	155	158	181	170	193	163	180	183
3	3 Some college or trade school	263	277	243	245	233	276	228	255
4	4 College or post graduate degree	412	392	406	414	401	401	399	407
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013



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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.12. I\_RACE\_R2 by SUBSAMP

Obs	I_RACE_R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Latino	353	334	384	361	368	344	361	336
2	2 White, AI, W/AI	435	452	425	451	434	456	427	469
3	3 Black	117	114	102	95	99	106	118	110
4	4 Asian	101	98	95	97	100	98	98	98
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 2.13. GENDER\_AGEGROUP by SUBSAMP

Obs	GENDER_ AGEGROUP	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	11 M 18-24	38	28	25	38	36	36	42	33
2	12 M 25-29	29	18	22	28	21	21	23	21
3	13 M 30-39	51	63	58	50	57	47	64	62
4	14 M 40-49	86	85	70	78	76	93	82	93
5	15 M 50-59	79	73	85	85	83	94	69	91
6	16 M 60-64	32	37	38	43	34	30	37	49
7	17 M 65+	84	80	86	79	81	79	69	82
8	21 F 18-24	37	45	42	45	43	37	34	37
9	22 F 25-29	32	33	36	28	36	24	34	32
10	23 F 30-39	86	118	105	95	83	86	103	76
11	24 F 40-49	125	100	126	106	111	138	117	110
12	25 F 50-59	134	118	126	132	121	136	137	111
13	26 F 60-64	47	48	59	64	56	48	55	71
14	27 F 65+	146	152	128	133	163	135	138	145
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

**Appendix VIII-F: Collapsed Categories for the Subsample Raking Variables**

Table 3.1. TELEPHONE\_SERVICE6C by SUBSAMP

Obs	TELEPHONE_SERVICE6C	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Cell-only	92	94	88	77	73	74	82	77
2	2 Landline-only	157	194	179	193	181	177	189	194
3	3 Dual user, Cell mostly	200	204	183	186	217	192	196	200
4	4 Dual user, Not Cell mostly	557	506	556	548	530	561	537	542
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.2. GEO\_HD\_R\_SS by SUBSAMP

Obs	GEO_HD_R_SS	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1: 3 Alhambra	29	36	27	34	39	38	35	43
2	2: 5 Antelope Valley	84	75	68	66	64	69	82	61
3	3: 6 Bellflower	29	33	29	31	30	33	31	33
4	4: 9 Central	39	33	41	41	34	34	33	32
5	7: 19 East Valley	39	42	43	38	40	43	49	41
6	8: 23 El Monte	31	37	34	29	34	17	27	37
7	9: 25 Foothill	46	36	37	38	51	37	25	35
8	10: 27 Glendale	31	36	39	33	32	26	34	41
9	11: 31 Harbor	24	27	25	26	31	33	21	27
10	12: 34 Hollywood-Wilshire	57	50	45	43	46	54	64	44
11	13: 37 Inglewood	46	49	39	43	36	38	33	47
12	14: 40 Long Beach	39	32	36	46	41	38	46	36
13	15: 47 Northeast	32	31	33	28	22	25	32	31
14	16: 50 Pasadena	20	21	20	18	17	25	24	20
15	17: 54 Pomona	58	50	46	46	55	54	41	38
16	18: 58 San Antonio	27	39	37	30	26	26	30	28
17	19: 62 San Fernando	55	50	50	44	50	40	49	54
18	22: 75 Southwest	44	34	45	38	34	40	44	44
19	23: 79 Torrance	45	48	50	51	55	59	41	58
20	24: 84 West	68	66	90	75	96	66	89	75
21	25: 86 West Valley	83	79	83	104	73	106	87	94
22	26: 91 Whittier	23	33	25	31	29	38	22	25
23	56: 12 Compton,16 East LA	37	37	39	38	35	45	39	40
24	2021: 69 South,72 Southeast	20	24	25	33	31	20	26	29
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.3. GEO\_SPA\_I\_RACE\_R2\_SS by SUBSAMP

Obs	GEO_SPA_I_RACE_R2_SS	N_SUBSAMP_1	N_SUBSAMP_2	N_SUBSAMP_3	N_SUBSAMP_4	N_SUBSAMP_5	N_SUBSAMP_6	N_SUBSAMP_7	N_SUBSAMP_8
1	1002: SPA 1 White, AI, W/AI	49	40	38	39	43	46	44	37
2	1134: SPA 1 Latino/Black/Asian	35	35	30	27	21	23	38	24
3	2001: SPA 2 Latino	58	45	73	59	54	55	68	65
4	2002: SPA 2 White, AI, W/AI	127	138	128	138	121	139	121	140
5	2034: SPA 2 Black/Asian	23	24	14	22	20	21	30	25
6	3001: SPA 3 Latino	53	51	58	55	70	58	47	64
7	3002: SPA 3 White, AI, W/AI	84	77	68	67	72	67	62	65
8	3034: SPA 3 Black/Asian	47	52	38	43	54	46	43	44
9	4001: SPA 4 Latino	62	64	68	56	47	54	69	38
10	4002: SPA 4 White, AI, W/AI	37	28	28	35	36	37	47	44
11	4034: SPA 4 Black/Asian	29	22	23	21	19	22	13	25
12	5002: SPA 5 White, AI, W/AI	46	47	60	60	63	52	61	60
13	5134: SPA 5 Latino/Black/Asian	22	19	30	15	33	14	28	15
14	6003: SPA 6 Black	42	41	42	35	30	40	50	55
15	6124: SPA 6 Latino/White, AI, W/AI/Asian	38	37	50	62	54	48	50	48
16	7001: SPA 7 Latino	62	77	69	63	59	66	55	53
17	7234: SPA 7 White, AI, W/AI/Black/Asian	38	45	39	41	42	48	37	43
18	8001: SPA 8 Latino	54	36	36	43	58	50	39	50
19	8002: SPA 8 White, AI, W/AI	61	85	74	82	65	75	64	84
20	8034: SPA 8 Black/Asian	39	35	40	41	40	43	38	34
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.4. GEO\_SPA\_GENDER\_AGEGRUOP\_SS by SUBSAMP

Obs	GEO_SPA_GENDER_AGEGRUOP_SS	N_SUBSAMP_1	N_SUBSAMP_2	N_SUBSAMP_3	N_SUBSAMP_4	N_SUBSAMP_5	N_SUBSAMP_6	N_SUBSAMP_7	N_SUBSAMP_8
1	110567: SPA 1 M 50-65+	22	16	10	14	11	18	23	8
2	111234: SPA 1 M 18-49	11	11	10	15	13	11	16	15
3	120567: SPA 1 F 50-65+	25	24	30	18	22	17	28	30
4	121234: SPA 1 F 18-49	26	24	18	19	18	23	15	8
5	210567: SPA 2 M 50-65+	43	42	58	54	33	43	38	61
6	211234: SPA 2 M 18-49	37	35	38	42	34	48	49	41
7	220567: SPA 2 F 50-65+	74	74	58	73	75	66	65	76
8	221234: SPA 2 F 18-49	54	56	61	50	53	58	67	52
9	310567: SPA 3 M 50-65+	39	34	27	35	37	39	35	35
10	311234: SPA 3 M 18-49	38	36	30	30	42	39	26	39
11	320567: SPA 3 F 50-65+	58	60	62	58	69	54	45	62
12	321234: SPA 3 F 18-49	49	50	45	42	48	39	46	37
13	410567: SPA 4 M 50-65+	22	16	21	23	21	20	21	24
14	411234: SPA 4 M 18-49	39	34	27	24	16	22	29	32
15	420567: SPA 4 F 50-65+	33	30	28	37	33	33	51	23
16	421234: SPA 4 F 18-49	34	34	43	28	32	38	28	28
17	510567: SPA 5 M 50-65+	10	14	25	16	23	13	19	18
18	511234: SPA 5 M 18-49	16	10	14	13	20	7	11	16
19	520567: SPA 5 F 50-65+	25	21	31	31	36	28	38	20
20	521234: SPA 5 F 18-49	17	21	20	15	17	18	21	21
21	610567: SPA 6 M 50-65+	10	8	14	13	11	14	9	20
22	611234: SPA 6 M 18-49	11	17	14	19	17	19	20	20
23	620567: SPA 6 F 50-65+	28	27	28	23	24	30	29	28
24	621234: SPA 6 F 18-49	31	26	36	42	32	25	42	35
25	710567: SPA 7 M 50-65+	26	29	18	18	25	17	9	23
26	711234: SPA 7 M 18-49	18	24	23	18	20	21	27	13
27	720567: SPA 7 F 50-65+	33	24	29	29	27	39	26	27
28	721234: SPA 7 F 18-49	23	45	38	39	29	37	30	33
29	810567: SPA 8 M 50-65+	23	31	36	34	37	39	21	33
30	811234: SPA 8 M 18-49	34	27	19	33	28	30	33	33
31	820567: SPA 8 F 50-65+	51	58	47	60	54	52	48	61
32	821234: SPA 8 F 18-49	46	40	48	39	44	47	39	41
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.5. I\_HOUADULT\_R2 by SUBSAMP

Obs	I_HOUADULT_ R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 1	241	259	245	248	263	236	243	258
2	2 2	450	455	452	440	420	456	446	464
3	3 3	178	181	160	148	183	161	169	157
4	4 4+	137	103	149	168	135	151	146	134
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.6. I\_HOUDEPT\_R2 by SUBSAMP

Obs	I_HOUDEPT_ R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 0	654	677	663	675	688	685	675	705
2	2 1	125	128	117	117	109	109	120	112
3	3 2	130	118	130	124	124	129	128	123
4	4 3+	97	75	96	88	80	81	81	73
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013



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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.7. I\_Q64C\_R by SUBSAMP

Obs	I_Q64C_R	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 US citizen	863	875	849	859	853	871	857	876
2	2 not US citizen	143	123	157	145	148	133	147	137
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.8. I\_Q64\_R2 by SUBSAMP

Obs	I_Q64_R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Born in US	668	677	653	650	649	704	648	679
2	2 Born Outside US	338	321	353	354	352	300	356	334
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.9. I\_Q79\_R2 by SUBSAMP

Obs	I_Q79_R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Own	423	434	432	414	429	395	425	437
2	2 Rent	583	564	574	590	572	609	579	576
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.10. I\_Q75\_R2 by SUBSAMP

		N	N	N	N	N	N	N	N
	I	—	—	—	—	—	—	—	—
	—	S	S	S	S	S	S	S	S
	Q	U	U	U	U	U	U	U	U
	7	B	B	B	B	B	B	B	B
	5	S	S	S	S	S	S	S	S
	O	A	A	A	A	A	A	A	A
	—	M	M	M	M	M	M	M	M
	b	P	P	P	P	P	P	P	P
	R	—	—	—	—	—	—	—	—
	s	2	1	2	3	4	5	6	7
		8							
1	1 Married	506	482	494	480	477	489	457	496
2	2 Never married, living together, domestic partners	273	291	281	284	263	250	305	275
3	3 Widowed	95	97	96	90	103	87	79	103
4	4 Divorced, separated	132	128	135	150	158	178	163	139
		====	====	====	====	====	====	====	====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.11. I\_EDU\_R by SUBSAMP

Obs	I_EDU_R	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Less than high school	176	171	176	175	174	164	197	168
2	2 High school	155	158	181	170	193	163	180	183
3	3 Some college or trade school	263	277	243	245	233	276	228	255
4	4 College or post graduate degree	412	392	406	414	401	401	399	407
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.12. I\_RACE\_R2 by SUBSAMP

Obs	I_RACE_R2	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	1 Latino	353	334	384	361	368	344	361	336
2	2 White, AI, W/AI	435	452	425	451	434	456	427	469
3	3 Black	117	114	102	95	99	106	118	110
4	4 Asian	101	98	95	97	100	98	98	98
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

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LA COUNTY, CA: ACS(PUMS) ACS 2006-2010 5YR

Table 3.13. GENDER\_AGEGROUP by SUBSAMP

Obs	GENDER_ AGEGROUP	N_SUBSAMP_ 1	N_SUBSAMP_ 2	N_SUBSAMP_ 3	N_SUBSAMP_ 4	N_SUBSAMP_ 5	N_SUBSAMP_ 6	N_SUBSAMP_ 7	N_SUBSAMP_ 8
1	11 M 18-24	38	28	25	38	36	36	42	33
2	12 M 25-29	29	18	22	28	21	21	23	21
3	13 M 30-39	51	63	58	50	57	47	64	62
4	14 M 40-49	86	85	70	78	76	93	82	93
5	15 M 50-59	79	73	85	85	83	94	69	91
6	16 M 60-64	32	37	38	43	34	30	37	49
7	17 M 65+	84	80	86	79	81	79	69	82
8	21 F 18-24	37	45	42	45	43	37	34	37
9	22 F 25-29	32	33	36	28	36	24	34	32
10	23 F 30-39	86	118	105	95	83	86	103	76
11	24 F 40-49	125	100	126	106	111	138	117	110
12	25 F 50-59	134	118	126	132	121	136	137	111
13	26 F 60-64	47	48	59	64	56	48	55	71
14	27 F 65+	146	152	128	133	163	135	138	145
		=====	=====	=====	=====	=====	=====	=====	=====
		1006	998	1006	1004	1001	1004	1004	1013

**Appendix VIII-G: Raking Results for Subsample 1*****RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD***Sample size of completed interviews: **1006**Raking input weight adjusted to population total: **COMPOSITE\_WT\_ATPT**Mean value of raking input weight adjusted to population total: **7201.62**Minimum value of raking input weight: **1062.14**Maximum value of raking input weight: **29876.10**Coefficient of variation of raking input weight: **0.83**Global low weight cap value (GLCV): **720.16**Global low weight cap value factor: Mean input weight times **.1**Global high weight cap value (GHCV): **72016.22**Global high weight cap value factor: Mean input weight times **10**Individual low weight cap value (ILCV) factor: Respondent's weight times **.2**Individual high weight cap value (IHCV) factor: Respondent's weight times **5**Number of respondents who have an individual high weight cap value less than the global low weight cap value (GLCV used in weight trimming): **0**Number of respondents who have an individual low weight cap value greater than the global high weight cap value (GHCV used in weight trimming): **0*****Weighted Distribution Prior To Raking. Iteration 0***

	Input Weight Sum of Weights	Populati on Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
TELEPHONE_SERVICE6C						
1 Cell-only	2089027.22	1573702	515324.99	28.835	21.722	7.113
2 Landline-only	1122444.86	892732	229713.32	15.493	12.322	3.171
3 Dual user, Cell mostly	1071374.15	1395301	-323926.81	14.788	19.259	-4.471
4 Dual user, Not Cell mostly	2961985.69	3383097	-421111.49	40.884	46.697	-5.813

	Input Weight Sum of Weights	Populati on Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
GEO_HD_R_SS						
1: 3 Alhambra	195886.19	267978	-72091.81	2.704	3.695	-0.991
2: 5 Antelope Valley	331797.48	258906	72891.48	4.580	3.570	1.010
3: 6 Bellflower	217903.48	258578	-40674.52	3.008	3.566	-0.558
4: 9 Central	397439.86	250811	146628.86	5.486	3.458	2.027
7: 19 East Valley	370911.31	331292	39619.31	5.120	4.568	0.551
8: 23 El Monte	247008.57	311925	-64916.43	3.409	4.301	-0.892
9: 25 Foothill	301798.03	224614	77184.03	4.166	3.097	1.068
10: 27 Glendale	170521.40	266836	-96314.60	2.354	3.679	-1.326
11: 31 Harbor	156391.52	145085	11306.52	2.159	2.001	0.158
12: 34 Hollywood-Wilshire	403504.84	392548	10956.84	5.570	5.413	0.157
13: 37 Inglewood	398248.63	293987	104261.63	5.497	4.054	1.443
14: 40 Long Beach	338519.97	340865	-2345.03	4.673	4.700	-0.028
15: 47 Northeast	265938.18	217747	48191.18	3.671	3.003	0.668
16: 50 Pasadena	172359.29	108707	63652.29	2.379	1.499	0.880



GEO_HD_R_SS	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
17: 54 Pomona	397159.65	388111	9048.65	5.482	5.352	0.130
18: 58 San Antonio	209238.99	288270	-79031.01	2.888	3.975	-1.087
19: 62 San Fernando	363863.66	354436	9427.66	5.022	4.887	0.135
22: 75 Southwest	336727.42	265206	71521.42	4.648	3.657	0.991
23: 79 Torrance	269333.76	347204	-77870.24	3.718	4.788	-1.070
24: 84 West	427950.97	511736	-83785.03	5.907	7.056	-1.149
25: 86 West Valley	564559.92	646817	-82257.08	7.793	8.919	-1.126
26: 91 Whittier	201691.74	230439	-28747.26	2.784	3.178	-0.394
56: 12 Compton,16 East LA	319252.68	325082	-5829.32	4.407	4.483	-0.076
2021: 69 South,72 Southeast	186824.36	224904	-38079.64	2.579	3.101	-0.523

GEO_SPA_I_RACE_R2_SS	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1002: SPA 1 White, AI, W/AI	211652.28	107860	103792.28	2.921	1.487	1.434
1134: SPA 1 Latino/Black/Asian	120145.21	151046	-30900.79	1.658	2.083	-0.424
2001: SPA 2 Latino	563675.89	563040	635.89	7.780	7.764	0.017
2002: SPA 2 White, AI, W/AI	745966.21	790329	-44362.79	10.297	10.898	-0.601
2034: SPA 2 Black/Asian	160214.19	246012	-85797.81	2.211	3.392	-1.181
3001: SPA 3 Latino	469240.06	545219	-75978.94	6.477	7.518	-1.041
3002: SPA 3 White, AI, W/AI	474732.12	314762	159970.12	6.553	4.340	2.212
3034: SPA 3 Black/Asian	370239.55	441355	-71115.45	5.110	6.086	-0.976
4001: SPA 4 Latino	525936.75	405346	120590.75	7.259	5.589	1.670
4002: SPA 4 White, AI, W/AI	305735.54	243933	61802.54	4.220	3.364	0.856
4034: SPA 4 Black/Asian	235210.60	211829	23381.60	3.247	2.921	0.326
5002: SPA 5 White, AI, W/AI	254780.67	340274	-85493.33	3.517	4.692	-1.175
5134: SPA 5 Latino/Black/Asian	173170.30	171465	1705.30	2.390	2.364	0.026
6003: SPA 6 Black	303262.39	211186	92076.39	4.186	2.912	1.274
6124: SPA 6 Latino/White, AI, W/AI/Asian	352041.68	461850	-109808.32	4.859	6.369	-1.509
7001: SPA 7 Latino	547181.91	641890	-94708.09	7.553	8.851	-1.298
7234: SPA 7 White, AI, W/AI/Black/Asian	269152.71	277545	-8392.29	3.715	3.827	-0.112
8001: SPA 8 Latino	509402.44	397168	112234.44	7.031	5.477	1.555
8002: SPA 8 White, AI, W/AI	352499.54	375347	-22847.46	4.866	5.176	-0.310
8034: SPA 8 Black/Asian	300591.90	354628	-54036.10	4.149	4.890	-0.741

GEO_SPA_GENDER_AGEGROUP_SS	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
110567: SPA 1 M 50-65+	75605.51	44494	31111.51	1.044	0.614	0.430
111234: SPA 1 M 18-49	48817.62	79762	-30944.38	0.674	1.100	-0.426

GEO_SPA_GENDER_AGEGROUP_SS	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
120567: SPA 1 F 50-65+	106545.33	49692	56853.33	1.471	0.685	0.785
121234: SPA 1 F 18-49	100829.03	84958	15871.03	1.392	1.171	0.220
210567: SPA 2 M 50-65+	238389.49	284821	-46431.51	3.290	3.927	-0.637
211234: SPA 2 M 18-49	387911.18	494030	-106118.82	5.354	6.812	-1.458
220567: SPA 2 F 50-65+	428297.48	330172	98125.48	5.912	4.553	1.359
221234: SPA 2 F 18-49	415258.14	490358	-75099.86	5.732	6.762	-1.030
310567: SPA 3 M 50-65+	243019.67	240587	2432.67	3.354	3.317	0.037
311234: SPA 3 M 18-49	365413.51	384219	-18805.49	5.044	5.298	-0.254
320567: SPA 3 F 50-65+	337447.56	289373	48074.56	4.658	3.990	0.668
321234: SPA 3 F 18-49	368330.98	387157	-18826.02	5.084	5.339	-0.255
410567: SPA 4 M 50-65+	109345.50	129475	-20129.50	1.509	1.785	-0.276
411234: SPA 4 M 18-49	386686.18	307655	79031.18	5.337	4.242	1.095
420567: SPA 4 F 50-65+	175400.78	150444	24956.78	2.421	2.074	0.347
421234: SPA 4 F 18-49	395450.43	273534	121916.43	5.458	3.772	1.687
510567: SPA 5 M 50-65+	46818.14	92975	-46156.86	0.646	1.282	-0.636
511234: SPA 5 M 18-49	149239.57	152208	-2968.43	2.060	2.099	-0.039
520567: SPA 5 F 50-65+	125643.47	109206	16437.47	1.734	1.506	0.228
521234: SPA 5 F 18-49	106249.78	157350	-51100.22	1.467	2.170	-0.703
610567: SPA 6 M 50-65+	93073.23	89722	3351.23	1.285	1.237	0.047
611234: SPA 6 M 18-49	119641.73	231286	-111644.27	1.651	3.189	-1.538
620567: SPA 6 F 50-65+	212881.04	115630	97251.04	2.938	1.594	1.344
621234: SPA 6 F 18-49	229708.07	236398	-6689.93	3.171	3.260	-0.089
710567: SPA 7 M 50-65+	208707.32	147652	61055.32	2.881	2.036	0.845
711234: SPA 7 M 18-49	176730.95	296599	-119868.05	2.439	4.090	-1.650
720567: SPA 7 F 50-65+	245415.01	178481	66934.01	3.387	2.461	0.926
721234: SPA 7 F 18-49	185481.33	296703	-111221.67	2.560	4.091	-1.531
810567: SPA 8 M 50-65+	149403.71	198558	-49154.29	2.062	2.738	-0.676
811234: SPA 8 M 18-49	305957.53	343653	-37695.47	4.223	4.739	-0.516
820567: SPA 8 F 50-65+	346030.11	230531	115499.11	4.776	3.179	1.597
821234: SPA 8 F 18-49	361102.54	354401	6701.54	4.984	4.887	0.097

I_HOUADULT_R2	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1 1	1051372.78	1007790	43582.47	14.512	13.897	0.615
2 2	3059555.81	3055984	3571.61	42.231	42.139	0.091
3 3	1588112.94	1515856	72257.19	21.921	20.902	1.018
4 4+	1545790.38	1672454	-126663.35	21.336	23.062	-1.725

I_HOUDEPT_R2	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1 0	4555945.84	4044576	511369.76	62.885	55.771	7.114
2 1	1076447.41	1329920	-253472.57	14.858	18.338	-3.480
3 2	971385.69	1108476	-137089.88	13.408	15.285	-1.877
4 3+	641052.96	769112	-128059.39	8.848	10.605	-1.757

Imputed value: Q64C_R	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1 US citizen	5903807.38	5476035	427772.01	81.490	75.510	5.980
2 not US citizen	1341024.54	1776049	-435024.09	18.510	24.490	-5.980

I_Q64_R2	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1 Born in US	4415919.96	3927321	488599.24	60.953	54.154	6.798
2 Born Outside US	2828911.96	3324763	-495851.32	39.047	45.846	-6.798

I_Q79_R2	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1 Own	3669200.02	3848547	-179346.80	50.646	53.068	-2.422
2 Rent	3575631.90	3403537	172094.72	49.354	46.932	2.422

I_Q75_R2	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1 Married	3712994.63	3468975	244019.92	51.250	47.834	3.416
2 Never married, living together, domestic partners	2331492.24	2541189	-209697.18	32.181	35.041	-2.859
3 Widowed	376513.55	381896	-5382.18	5.197	5.266	-0.069
4 Divorced, separated	823831.50	860024	-36192.64	11.371	11.859	-0.488

Imputed value: EDU_R	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1 Less than high school	1519569.89	1681331	-161761.51	20.975	23.184	-2.210
2 High school	1187641.02	1617519	-429878.37	16.393	22.304	-5.911
3 Some college or trade school	1816174.10	2020765	-204590.85	25.069	27.865	-2.796
4 College or post graduate degree	2721446.90	1932468	788978.64	37.564	26.647	10.917

I_RACE_R2	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
1 Latino	3118821.86	3158055	-39233.14	43.049	43.547	-0.498
2 White, AI, W/AI	2569631.07	2346714	222917.07	35.468	32.359	3.109
3 Black	833353.23	620187	213166.23	11.503	8.552	2.951
4 Asian	723025.75	1127128	-404102.25	9.980	15.542	-5.562

GENDER_AGEGROUP	Input Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Input Weights	Control Total %	Difference in %
11 M 18-24	473425.73	513100	-39674.27	6.535	7.075	-0.541
12 M 25-29	327523.29	379160	-51636.71	4.521	5.228	-0.708
13 M 30-39	473762.46	704412	-230649.54	6.539	9.713	-3.174
14 M 40-49	665686.77	692740	-27053.23	9.188	9.552	-0.364
15 M 50-59	566303.90	579280	-12976.10	7.817	7.988	-0.171
16 M 60-64	182086.17	208009	-25922.83	2.513	2.868	-0.355
17 M 65+	415972.49	440995	-25022.51	5.742	6.081	-0.339
21 F 18-24	378995.24	489529	-110533.76	5.231	6.750	-1.519
22 F 25-29	287674.31	370697	-83022.69	3.971	5.112	-1.141
23 F 30-39	638871.41	711106	-72234.59	8.818	9.806	-0.987
24 F 40-49	856869.35	709527	147342.35	11.827	9.784	2.044
25 F 50-59	989070.14	625061	364009.14	13.652	8.619	5.033
26 F 60-64	274565.89	237768	36797.89	3.790	3.279	0.511
27 F 65+	714024.76	590700	123324.76	9.856	8.145	1.710

\*\*\*\* Program terminated at iteration 12 because all current percents differ from target percents by less than 0.1 \*\*\*\*

### *Weighted Distribution After Raking*

TELEPHONE_SERVICE6C	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
1 Cell-only	1574769.66	1573702	1067.43	21.715	21.722	-0.007
2 Landline-only	893167.27	892732	435.73	12.316	12.322	-0.006
3 Dual user, Cell mostly	1397143.12	1395301	1842.16	19.265	19.259	0.006
4 Dual user, Not Cell mostly	3387003.95	3383097	3906.77	46.704	46.697	0.007

GEO_HD_R_SS	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
1: 3 Alhambra	268280.34	267978	302.34	3.699	3.695	0.004
2: 5 Antelope Valley	258685.06	258906	-220.94	3.567	3.570	-0.003
3: 6 Bellflower	256639.87	258578	-1938.13	3.539	3.566	-0.027
4: 9 Central	250847.00	250811	36.00	3.459	3.458	0.000
7: 19 East Valley	330374.18	331292	-917.82	4.556	4.568	-0.013
8: 23 El Monte	312193.29	311925	268.29	4.305	4.301	0.004
9: 25 Foothill	225056.16	224614	442.16	3.103	3.097	0.006
10: 27 Glendale	266279.09	266836	-556.91	3.672	3.679	-0.008
11: 31 Harbor	145200.89	145085	115.89	2.002	2.001	0.002
12: 34 Hollywood-Wilshire	392689.25	392548	141.25	5.415	5.413	0.002
13: 37 Inglewood	294180.91	293987	193.91	4.057	4.054	0.003
14: 40 Long Beach	341030.78	340865	165.78	4.703	4.700	0.002
15: 47 Northeast	217862.77	217747	115.77	3.004	3.003	0.002
16: 50 Pasadena	108897.58	108707	190.58	1.502	1.499	0.003
17: 54 Pomona	388770.58	388111	659.58	5.361	5.352	0.009
18: 58 San Antonio	286529.14	288270	-1740.86	3.951	3.975	-0.024
19: 62 San Fernando	353612.77	354436	-823.23	4.876	4.887	-0.011
22: 75 Southwest	269264.88	265206	4058.88	3.713	3.657	0.056
23: 79 Torrance	347399.79	347204	195.79	4.790	4.788	0.003
24: 84 West	509615.81	511736	-2120.19	7.027	7.056	-0.029
25: 86 West Valley	645292.78	646817	-1524.22	8.898	8.919	-0.021
26: 91 Whittier	228160.50	230439	-2278.50	3.146	3.178	-0.031
56: 12 Compton,16 East LA	326697.81	325082	1615.81	4.505	4.483	0.022
2021: 69 South,72 Southeast	228522.77	224904	3618.77	3.151	3.101	0.050

GEO_SPA_I_RACE_R2_SS	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
1002: SPA 1 White, AI, W/AI	106911.15	107860	-948.85	1.474	1.487	-0.013
1134: SPA 1 Latino/Black/Asian	151773.91	151046	727.91	2.093	2.083	0.010
2001: SPA 2 Latino	564240.08	563040	1200.08	7.780	7.764	0.017
2002: SPA 2 White, AI, W/AI	783194.19	790329	-7134.81	10.800	10.898	-0.098
2034: SPA 2 Black/Asian	248124.54	246012	2112.54	3.421	3.392	0.029
3001: SPA 3 Latino	546331.38	545219	1112.38	7.533	7.518	0.015
3002: SPA 3 White, AI, W/AI	311930.25	314762	-2831.75	4.301	4.340	-0.039
3034: SPA 3 Black/Asian	444936.32	441355	3581.32	6.135	6.086	0.049
4001: SPA 4 Latino	406155.90	405346	809.90	5.601	5.589	0.011
4002: SPA 4 White, AI, W/AI	241616.40	243933	-2316.60	3.332	3.364	-0.032
4034: SPA 4 Black/Asian	213626.71	211829	1797.71	2.946	2.921	0.025
5002: SPA 5 White, AI, W/AI	337180.32	340274	-3093.68	4.649	4.692	-0.043

GEO_SPA_I_RACE_R2_SS	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
5134: SPA 5 Latino/Black/Asian	172435.49	171465	970.49	2.378	2.364	0.013
6003: SPA 6 Black	213141.40	211186	1955.40	2.939	2.912	0.027
6124: SPA 6 Latino/White, AI, W/AI/Asian	462607.54	461850	757.54	6.379	6.369	0.010
7001: SPA 7 Latino	643551.02	641890	1661.02	8.874	8.851	0.023
7234: SPA 7 White, AI, W/AI/Black/Asian	276515.02	277545	-1029.98	3.813	3.827	-0.014
8001: SPA 8 Latino	398141.44	397168	973.44	5.490	5.477	0.013
8002: SPA 8 White, AI, W/AI	371973.78	375347	-3373.22	5.129	5.176	-0.047
8034: SPA 8 Black/Asian	357697.15	354628	3069.15	4.932	4.890	0.042

GEO_SPA_GENDER_AGEGROUP_SS	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
110567: SPA 1 M 50-65+	44363.64	44494	-130.36	0.612	0.614	-0.002
111234: SPA 1 M 18-49	79561.67	79762	-200.33	1.097	1.100	-0.003
120567: SPA 1 F 50-65+	49663.10	49692	-28.90	0.685	0.685	-0.000
121234: SPA 1 F 18-49	85096.65	84958	138.65	1.173	1.171	0.002
210567: SPA 2 M 50-65+	284039.55	284821	-781.45	3.917	3.927	-0.011
211234: SPA 2 M 18-49	492697.76	494030	-1332.24	6.794	6.812	-0.018
220567: SPA 2 F 50-65+	329029.42	330172	-1142.58	4.537	4.553	-0.016
221234: SPA 2 F 18-49	489792.08	490358	-565.92	6.754	6.762	-0.008
310567: SPA 3 M 50-65+	240809.65	240587	222.65	3.321	3.317	0.003
311234: SPA 3 M 18-49	385359.28	384219	1140.28	5.314	5.298	0.016
320567: SPA 3 F 50-65+	289426.84	289373	53.84	3.991	3.990	0.001
321234: SPA 3 F 18-49	387602.18	387157	445.18	5.345	5.339	0.006
410567: SPA 4 M 50-65+	129686.34	129475	211.34	1.788	1.785	0.003
411234: SPA 4 M 18-49	307572.84	307655	-82.16	4.241	4.242	-0.001
420567: SPA 4 F 50-65+	150882.13	150444	438.13	2.081	2.074	0.006
421234: SPA 4 F 18-49	273257.71	273534	-276.29	3.768	3.772	-0.004
510567: SPA 5 M 50-65+	92705.26	92975	-269.74	1.278	1.282	-0.004
511234: SPA 5 M 18-49	151765.87	152208	-442.13	2.093	2.099	-0.006
520567: SPA 5 F 50-65+	108728.56	109206	-477.44	1.499	1.506	-0.007
521234: SPA 5 F 18-49	156416.12	157350	-933.88	2.157	2.170	-0.013
610567: SPA 6 M 50-65+	90314.80	89722	592.80	1.245	1.237	0.008
611234: SPA 6 M 18-49	231740.79	231286	454.79	3.196	3.189	0.006
620567: SPA 6 F 50-65+	116497.37	115630	867.37	1.606	1.594	0.012
621234: SPA 6 F 18-49	237195.98	236398	797.98	3.271	3.260	0.011
710567: SPA 7 M 50-65+	147946.22	147652	294.22	2.040	2.036	0.004
711234: SPA 7 M 18-49	296666.46	296599	67.46	4.091	4.090	0.001
720567: SPA 7 F 50-65+	178793.47	178481	312.47	2.465	2.461	0.004
721234: SPA 7 F 18-49	296659.90	296703	-43.10	4.091	4.091	-0.001
810567: SPA 8 M 50-65+	198418.55	198558	-139.45	2.736	2.738	-0.002

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
GEO_SPA_GENDER_AGEGROUP_SS						
811234: SPA 8 M 18-49	344047.33	343653	394.33	4.744	4.739	0.005
820567: SPA 8 F 50-65+	230508.11	230531	-22.89	3.179	3.179	-0.000
821234: SPA 8 F 18-49	354838.38	354401	437.38	4.893	4.887	0.006

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_HOUADULT_R2						
1 1	1006486.63	1007790	-1303.68	13.879	13.897	-0.018
2 2	3055716.02	3055984	-268.19	42.136	42.139	-0.004
3 3	1515449.79	1515856	-405.97	20.897	20.902	-0.006
4 4+	1674431.56	1672454	1977.83	23.089	23.062	0.027

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_HOUDEPT_R2						
1 0	4041750.23	4044576	-2825.85	55.732	55.771	-0.039
2 1	1330944.68	1329920	1024.70	18.353	18.338	0.014
3 2	1109930.68	1108476	1455.11	15.305	15.285	0.020
4 3+	769458.40	769112	346.05	10.610	10.605	0.005

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
Imputed value: Q64C_R						
1 US citizen	5473501.20	5476035	-2534.17	75.475	75.510	-0.035
2 not US citizen	1778582.80	1776049	2534.17	24.525	24.490	0.035

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_Q64_R2						
1 Born in US	3920524.50	3927321	-6796.22	54.061	54.154	-0.094
2 Born Outside US	3331559.50	3324763	6796.22	45.939	45.846	0.094

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_Q79_R2						
1 Own	3852241.05	3848547	3694.23	53.119	53.068	0.051

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	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_Q79_R2						
2 Rent	3399842.95	3403537	-3694.23	46.881	46.932	-0.051

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_Q75_R2						
1 Married	3468663.89	3468975	-310.82	47.830	47.834	-0.004
2 Never married, living together, domestic partners	2542984.76	2541189	1795.33	35.066	35.041	0.025
3 Widowed	380509.45	381896	-1386.28	5.247	5.266	-0.019
4 Divorced, separated	859925.90	860024	-98.23	11.858	11.859	-0.001

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
Imputed value: EDU_R						
1 Less than high school	1684322.87	1681331	2991.47	23.225	23.184	0.041
2 High school	1617696.95	1617519	177.55	22.307	22.304	0.002
3 Some college or trade school	2020934.32	2020765	169.38	27.867	27.865	0.002
4 College or post graduate degree	1929129.86	1932468	-3338.40	26.601	26.647	-0.046

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
I_RACE_R2						
1 Latino	3157043.30	3158055	-1011.70	43.533	43.547	-0.014
2 White, AI, W/AI	2347515.26	2346714	801.26	32.370	32.359	0.011
3 Black	620167.04	620187	-19.96	8.552	8.552	-0.000
4 Asian	1127358.40	1127128	230.40	15.545	15.542	0.003

	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
GENDER_AGEGROUP						
11 M 18-24	513100.00	513100	-0.00	7.075	7.075	-0.000
12 M 25-29	379160.00	379160	0.00	5.228	5.228	0.000
13 M 30-39	704412.00	704412	-0.00	9.713	9.713	-0.000
14 M 40-49	692740.00	692740	-0.00	9.552	9.552	-0.000
15 M 50-59	579280.00	579280	0.00	7.988	7.988	0.000
16 M 60-64	208009.00	208009	0.00	2.868	2.868	0.000
17 M 65+	440995.00	440995	-0.00	6.081	6.081	-0.000
21 F 18-24	489529.00	489529	0.00	6.750	6.750	0.000



GENDER_AGEGROUP	Output Weight Sum of Weights	Population Control Total	Sum of Weights Difference	% of Output Weights	Control Total %	Difference in %
22 F 25-29	370697.00	370697	-0.00	5.112	5.112	0.000
23 F 30-39	711106.00	711106	0.00	9.806	9.806	0.000
24 F 40-49	709527.00	709527	-0.00	9.784	9.784	-0.000
25 F 50-59	625061.00	625061	-0.00	8.619	8.619	-0.000
26 F 60-64	237768.00	237768	-0.00	3.279	3.279	-0.000
27 F 65+	590700.00	590700	0.00	8.145	8.145	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	326339.06	4.5466	0.93482
2	115393.92	1.5912	0.94336
3	65239.73	0.8996	0.96508
4	52548.46	0.7246	0.97579
5	34435.89	0.4748	0.97999
6	20799.87	0.2868	0.98164
7	16421.52	0.2264	0.98236
8	12565.35	0.1733	0.98284
9	9867.74	0.1361	0.98328
10	8206.81	0.1132	0.98373
11	7530.26	0.1038	0.98417
12	7134.81	0.0984	0.98459

Number of Respondents Who Had Their Weights Decreased by the Trimming: **4**.  
 Number of Respondents Who Had Their Weights Increased by the Trimming: **54**.

Raking output weight: **ADULT\_POP\_WT\_SUBSAMP\_1**

Weight	Mean	Min	Max	CV
COMPOSITE_WT_ATPT	7201.62	1062.14	29876.10	0.834
ADULT_POP_WT_SUBSAMP_1	7208.83	720.24	60241.46	0.985

**Appendix VIII-H: Missing Data Recodes for C77, C78, C78B, and C78C**

(Interruption)

If qvers = 1 or 3 and C77 = 8 or 9, C77\_R = 2. Otherwise, for qvers = 1 or 3, C77\_R = C77.

If qvers = 2 and Q69\_R = 1, C77\_R = Q70\_R.

If qvers = 2 and Q69\_R = 2, C77\_R = ".".

(LL sample – have a cell phone)

If qvers = 1 or 3 and C78 = 8 or 9, C78\_R = 1. Otherwise, for qvers = 1 or 3, C78\_R = C78.

If qvers = 2, C78\_R = ".".

(Number of cell phones)

If qvers = 1 or 3 and (C78b = 8 or 9 OR C78 = 8 or 9), C78b\_R = 1. Otherwise, for qvers = 1 or 3, C78b\_R = C78b.

If qvers = 2, C78b\_R = Q71b\_R.

If C78b\_R = 5, C78b\_R = 4. (cap max. at 4)

(cell mostly)

If qvers = 1 or 3 and (C78c = 8 or 9 OR C78 = 8 or 9), C78c\_R = 2. Otherwise, for qvers = 1 or 3, C78c\_R = C78c.

If qvers = 2 and Q69\_R = 1, C78c\_R = Q71c\_R.

If qvers = 2 and Q69\_R = 2, C78c\_R = ".".

### Appendix VIII-I: Creation of Telephone Service Variables

If qvers = 1 and Q71\_R = 1, telephone\_service\_child = 3 (dual service).

If qvers = 1 and Q71\_R = 2, telephone service\_child = 2 (landline only)

If qvers = 2 and Q69\_R = 1, telephone\_service\_child = 3 (dual service).

If qvers = 2 and Q69\_R = 2, telephone service\_child = 1 (cell only)

telephone\_service6\_child:

1 Cell-only

2 Landline-only

3 Cell mostly, dual user, landline sample

3 Cell mostly, dual user, landline sample

4 Not cell mostly, dual user, landline sample

5 Cell mostly, dual user, cell sample

5 Cell mostly, dual user, cell sample

6 Not cell mostly, dual user, cell sample

If telephone\_service\_child = 2, telephone\_service6\_child = 2 (landline only).

If telephone\_service\_child = 1, telephone\_service6\_child = 1 (cell only).

If qvers = 1 OR 3 and telephone\_service\_child = 3 and C78c\_R = 2 or 3,  
telephone\_service6\_child = 4 (landline sample, dual, not cell mostly).

If qvers = 1 OR 3 and telephone\_service\_child = 3 and C78c\_R = 1, telephone\_service6\_child =  
3 (landline sample, dual, cell mostly).

If qvers = 2 and telephone\_service\_child = 3 and C78c\_R = 2 or 3, telephone\_service6\_child = 6  
(cell sample, dual, not cell mostly).

If qvers = 2 and telephone\_service\_child = 3 and C78c\_R = 1, telephone\_service6\_child = 5 (cell  
sample, dual, cell mostly).

**Appendix VIII-J: Category Collapsing for Cells with Less than 20 Interviews**

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LACHS 2011 CHILD  
Table 2. Child RAKING VARIABLES

The FREQ Procedure

TELEPHONE_SERVICE6C_ CHILD_R	TELEPHONE_SERVICE6C_CHILD	Frequency
1 cell only + cell mostly	1 Cell-only	117
1 cell only + cell mostly	3 Dual user, Cell mostly	1479
2 Landline-only	2 Landline-only	1189
3 not cell mostly	4 Dual user, Not Cell mostly	3228

I_CRACE_R2	I_CRACE_R	Frequency
1 Latino	1 Latino	3255
2 White, AI, W/AI	2 White	1504
2 White, AI, W/AI	5 American Indian	15
2 White, AI, W/AI	8 White/American Indian	5
3 African American	3 African American	586
4 Asian	4 Asian/Pacific Islander	648

GEO_SPA_I_CRACE_R2	GEO_SPA	I_CRACE_R2	Frequency
1001: SPA 1 Latino	1	1 Latino	269
1002: SPA 1 White, AI, W/AI	1	2 White, AI, W/AI	167
1003: SPA 1 African American	1	3 African American	94
1004: SPA 1 Asian	1	4 Asian	27
2001: SPA 2 Latino	2	1 Latino	552
2002: SPA 2 White, AI, W/AI	2	2 White, AI, W/AI	512
2003: SPA 2 African American	2	3 African American	66
2004: SPA 2 Asian	2	4 Asian	111
3001: SPA 3 Latino	3	1 Latino	517
3002: SPA 3 White, AI, W/AI	3	2 White, AI, W/AI	180
3003: SPA 3 African American	3	3 African American	46
3004: SPA 3 Asian	3	4 Asian	234
4001: SPA 4 Latino	4	1 Latino	378
4002: SPA 4 White, AI, W/AI	4	2 White, AI, W/AI	79
4003: SPA 4 African American	4	3 African American	18
4004: SPA 4 Asian	4	4 Asian	61
5001: SPA 5 Latino	5	1 Latino	129
5002: SPA 5 White, AI, W/AI	5	2 White, AI, W/AI	296
5003: SPA 5 African American	5	3 African American	29
5004: SPA 5 Asian	5	4 Asian	60
6001: SPA 6 Latino	6	1 Latino	433
6234: SPA 6 White, AI, W/AI, African American, Asian	6	2 White, AI, W/AI	6
6234: SPA 6 White, AI, W/AI, African American, Asian	6	3 African American	166
6234: SPA 6 White, AI, W/AI, African American, Asian	6	4 Asian	8
7001: SPA 7 Latino	7	1 Latino	535
7002: SPA 7 White, AI, W/AI	7	2 White, AI, W/AI	81

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LACHS 2011 CHILD  
Table 2. Child RAKING VARIABLES

The FREQ Procedure

	GEO_SPA_I_CRACE_R2	GEO_SPA	I_CRACE_R2	Frequency
7003:	SPA 7 African American	7	3 African American	24
7004:	SPA 7 Asian	7	4 Asian	40
8001:	SPA 8 Latino	8	1 Latino	442
8002:	SPA 8 White, AI, W/AI	8	2 White, AI, W/AI	203
8003:	SPA 8 African American	8	3 African American	143
8004:	SPA 8 Asian	8	4 Asian	107

GENDER_CAGEGROUP	c3	CAGEGROUP	Frequency
11 M 0-5	1	1 0-5	861
12 M 6-11	1	2 6-11	939
13 M 12-17	1	3 12-17	1287
21 F 0-5	2	1 0-5	838
22 F 6-11	2	2 6-11	906
23 F 12-17	2	3 12-17	1182

GEO_SPA_GENDER_CAGEGROUP	GEO_SPA	c3	CAGEGROUP	Frequency
1101: SPA 1 M 0-5	1	1	1 0-5	87
1102: SPA 1 M 6-11	1	1	2 6-11	85
1103: SPA 1 M 12-17	1	1	3 12-17	120
1201: SPA 1 F 0-5	1	2	1 0-5	76
1202: SPA 1 F 6-11	1	2	2 6-11	78
1203: SPA 1 F 12-17	1	2	3 12-17	111
2101: SPA 2 M 0-5	2	1	1 0-5	184
2102: SPA 2 M 6-11	2	1	2 6-11	177
2103: SPA 2 M 12-17	2	1	3 12-17	256
2201: SPA 2 F 0-5	2	2	1 0-5	179
2202: SPA 2 F 6-11	2	2	2 6-11	199
2203: SPA 2 F 12-17	2	2	3 12-17	246
3101: SPA 3 M 0-5	3	1	1 0-5	139
3102: SPA 3 M 6-11	3	1	2 6-11	138
3103: SPA 3 M 12-17	3	1	3 12-17	217
3201: SPA 3 F 0-5	3	2	1 0-5	129
3202: SPA 3 F 6-11	3	2	2 6-11	143
3203: SPA 3 F 12-17	3	2	3 12-17	211
4101: SPA 4 M 0-5	4	1	1 0-5	79
4102: SPA 4 M 6-11	4	1	2 6-11	76
4103: SPA 4 M 12-17	4	1	3 12-17	108
4201: SPA 4 F 0-5	4	2	1 0-5	99
4202: SPA 4 F 6-11	4	2	2 6-11	83
4203: SPA 4 F 12-17	4	2	3 12-17	91

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LACHS 2011 CHILD  
Table 2. Child RAKING VARIABLES

The FREQ Procedure

GEO_SPA_GENDER_ CAGEGROUP	GEO_SPA	c3	CAGEGROUP	Frequency
5101: SPA 5 M 0-5	5	1	1 0-5	90
5102: SPA 5 M 6-11	5	1	2 6-11	91
5103: SPA 5 M 12-17	5	1	3 12-17	99
5201: SPA 5 F 0-5	5	2	1 0-5	66
5202: SPA 5 F 6-11	5	2	2 6-11	72
5203: SPA 5 F 12-17	5	2	3 12-17	96
6101: SPA 6 M 0-5	6	1	1 0-5	73
6102: SPA 6 M 6-11	6	1	2 6-11	113
6103: SPA 6 M 12-17	6	1	3 12-17	119
6201: SPA 6 F 0-5	6	2	1 0-5	86
6202: SPA 6 F 6-11	6	2	2 6-11	103
6203: SPA 6 F 12-17	6	2	3 12-17	119
7101: SPA 7 M 0-5	7	1	1 0-5	88
7102: SPA 7 M 6-11	7	1	2 6-11	110
7103: SPA 7 M 12-17	7	1	3 12-17	168
7201: SPA 7 F 0-5	7	2	1 0-5	91
7202: SPA 7 F 6-11	7	2	2 6-11	89
7203: SPA 7 F 12-17	7	2	3 12-17	134
8101: SPA 8 M 0-5	8	1	1 0-5	121
8102: SPA 8 M 6-11	8	1	2 6-11	149
8103: SPA 8 M 12-17	8	1	3 12-17	200
8201: SPA 8 F 0-5	8	2	1 0-5	112
8202: SPA 8 F 6-11	8	2	2 6-11	139
8203: SPA 8 F 12-17	8	2	3 12-17	174

GEO_HD_R	GEO_HD	Frequency
1: 3 Alhambra	3	171
2: 5 Antelope Valley	5	557
3: 6 Bellflower	6	180
4: 9 Central	9	149
5: 12 Compton	12	157
6: 16 East LA	16	120
7: 19 East Valley	19	230
8: 23 El Monte	23	230
9: 25 Foothill	25	215
10: 27 Glendale	27	157
11: 31 Harbor	31	147
12: 34 Hollywood-Wilshire	34	211
13: 37 Inglewood	37	240
14: 40 Long Beach	40	235
15: 47 Northeast	47	176
16: 50 Pasadena	50	68

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LACHS 2011 CHILD  
Table 2. Child RAKING VARIABLES

The FREQ Procedure

GEO_HD_R	GEO_HD	Frequency
17: 54 Pomona	54	293
18: 58 San Antonio	58	241
19: 62 San Fernando	62	337
20: 69 South	69	127
21: 72 Southeast	72	112
22: 75 Southwest	75	217
23: 79 Torrance	79	273
24: 84 West	84	514
25: 86 West Valley	86	517
26: 91 Whittier	91	139

I_CHOUDEPT_R2	I_CHOUDEPT_R	Frequency
1: 1	1	2320
2: 2	2	2217
3: 3	3	1013
4: 4+	4	322
4: 4+	5	95
4: 4+	6	30
4: 4+	7	8
4: 4+	8	5
4: 4+	11	1
4: 4+	15	2

I_CHOUADULT_R2	I_CHOUADULT_R	Frequency
1: 1	1	579
2: 2	2	3443
3: 3	3	1209
4: 4+	4	565
4: 4+	5	147
4: 4+	6	38
4: 4+	7	19
4: 4+	8	9
4: 4+	9	1
4: 4+	10	1
4: 4+	11	1
4: 4+	13	1

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LACHS 2011 CHILD  
Table 2. Child RAKING VARIABLES

The FREQ Procedure

I_C65_R2	I_C65_R	Frequency
1 Born in US	1 LA county	5035
1 Born in US	2 Other CA	443
1 Born in US	3 Other state	218
2 Born Outside US	4 Outside U.S.	317

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**Appendix VIII-K: Child Sample Raking to Population Control Totals*****RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD***Sample size of completed interviews: **6013**Raking input weight adjusted to population total: **COMPOSITE\_WT\_CHILD\_ATPT**Mean value of raking input weight adjusted to population total: **398.17**Minimum value of raking input weight: **22.55**Maximum value of raking input weight: **18526.42**Coefficient of variation of raking input weight: **2.10**Global low weight cap value (GLCV): **39.82**Global low weight cap value factor: Mean input weight times **.10**Global high weight cap value (GHCV): **3981.68**Global high weight cap value factor: Mean input weight times **10**Individual low weight cap value (ILCV) factor: Respondent's weight times **.20**Individual high weight cap value (IHCV) factor: Respondent's weight times **5**Number of respondents who have an individual high weight cap value less than the global low weight cap value (GLCV used in weight trimming): **0**Number of respondents who have an individual low weight cap value greater than the global high weight cap value (GHCV used in weight trimming): **0*****Weighted Distribution Prior To Raking. Iteration 0***

	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
TELEPHONE_SERVICE6C_CHILD_R						
1 cell only + cell mostly	889824.41	1016570	-126745.69	37.166	42.460	-5.294
2 Landline-only	705454.46	278683	426771.55	29.465	11.640	17.825
3 not cell mostly	798904.13	1098930	-300025.87	33.369	45.900	-12.531

	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
GEO_SPA_I_CRACE_R2						
1001: SPA 1 Latino	88640.38	64019	24621.38	3.702	2.674	1.028
1002: SPA 1 White, AI, W/AI	31358.49	28684	2674.49	1.310	1.198	0.112
1003: SPA 1 African American	23597.70	20558	3039.70	0.986	0.859	0.127
1004: SPA 1 Asian	4264.44	3481	783.44	0.178	0.145	0.033
2001: SPA 2 Latino	248279.00	256449	-8170.00	10.370	10.711	-0.341
2002: SPA 2 White, AI, W/AI	114821.47	175689	-60867.53	4.796	7.338	-2.542
2003: SPA 2 African American	28974.89	15925	13049.89	1.210	0.665	0.545
2004: SPA 2 Asian	25189.95	48855	-23665.05	1.052	2.041	-0.988
3001: SPA 3 Latino	217805.52	250004	-32198.48	9.097	10.442	-1.345
3002: SPA 3 White, AI, W/AI	47657.85	58998	-11340.15	1.991	2.464	-0.474
3003: SPA 3 African American	34609.80	13346	21263.80	1.446	0.557	0.888
3004: SPA 3 Asian	57698.20	91922	-34223.80	2.410	3.839	-1.429
4001: SPA 4 Latino	211058.64	159912	51146.64	8.815	6.679	2.136
4002: SPA 4 White, AI, W/AI	19810.52	27269	-7458.48	0.827	1.139	-0.312
4003: SPA 4 African American	4005.38	7242	-3236.62	0.167	0.302	-0.135

GEO_SPA_I_CRACE_R2	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
4004: SPA 4 Asian	26949.21	26515	434.21	1.126	1.107	0.018
5001: SPA 5 Latino	25042.20	23332	1710.20	1.046	0.975	0.071
5002: SPA 5 White, AI, W/AI	43390.51	60035	-16644.49	1.812	2.508	-0.695
5003: SPA 5 African American	7730.33	6276	1454.33	0.323	0.262	0.061
5004: SPA 5 Asian	7003.86	9614	-2610.14	0.293	0.402	-0.109
6001: SPA 6 Latino	333393.87	235570	97823.87	13.925	9.839	4.086
6234: SPA 6 White, AI, W/AI, African American, Asian	90798.08	74591	16207.08	3.792	3.116	0.677
7001: SPA 7 Latino	280195.56	298945	-18749.44	11.703	12.486	-0.783
7002: SPA 7 White, AI, W/AI	22171.90	29433	-7261.10	0.926	1.229	-0.303
7003: SPA 7 African American	7998.94	10156	-2157.06	0.334	0.424	-0.090
7004: SPA 7 Asian	10128.01	22035	-11906.99	0.423	0.920	-0.497
8001: SPA 8 Latino	197942.59	196966	976.59	8.268	8.227	0.041
8002: SPA 8 White, AI, W/AI	55212.92	74473	-19260.08	2.306	3.111	-0.804
8003: SPA 8 African American	91642.35	55297	36345.35	3.828	2.310	1.518
8004: SPA 8 Asian	36810.46	48583	-11772.54	1.537	2.029	-0.492

GEO_SPA_GENDER_CAGEGROUP	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
1101: SPA 1 M 0-5	32475.36	17956	14519.36	1.356	0.750	0.606
1102: SPA 1 M 6-11	18273.54	19225	-951.46	0.763	0.803	-0.040
1103: SPA 1 M 12-17	20012.08	22174	-2161.92	0.836	0.926	-0.090
1201: SPA 1 F 0-5	21933.09	17353	4580.09	0.916	0.725	0.191
1202: SPA 1 F 6-11	15869.63	18318	-2448.37	0.663	0.765	-0.102
1203: SPA 1 F 12-17	39297.29	21716	17581.29	1.641	0.907	0.734
2101: SPA 2 M 0-5	69280.65	80759	-11478.35	2.894	3.373	-0.479
2102: SPA 2 M 6-11	73515.38	82528	-9012.62	3.071	3.447	-0.376
2103: SPA 2 M 12-17	72973.50	91793	-18819.50	3.048	3.834	-0.786
2201: SPA 2 F 0-5	64189.80	76825	-12635.20	2.681	3.209	-0.528
2202: SPA 2 F 6-11	63884.45	78395	-14510.55	2.668	3.274	-0.606
2203: SPA 2 F 12-17	73421.53	86618	-13196.47	3.067	3.618	-0.551
3101: SPA 3 M 0-5	47309.58	64599	-17289.42	1.976	2.698	-0.722
3102: SPA 3 M 6-11	52875.00	68656	-15781.00	2.208	2.868	-0.659
3103: SPA 3 M 12-17	59233.10	78707	-19473.90	2.474	3.287	-0.813
3201: SPA 3 F 0-5	60949.27	61612	-662.73	2.546	2.573	-0.028
3202: SPA 3 F 6-11	53405.99	65475	-12069.01	2.231	2.735	-0.504
3203: SPA 3 F 12-17	83998.43	75221	8777.43	3.508	3.142	0.367
4101: SPA 4 M 0-5	53543.07	39754	13789.07	2.236	1.660	0.576
4102: SPA 4 M 6-11	40400.14	34993	5407.14	1.687	1.462	0.226
4103: SPA 4 M 12-17	47927.66	38243	9684.66	2.002	1.597	0.405

GEO_SPA_GENDER_CAGEGROUP	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
4201: SPA 4 F 0-5	46653.37	37885	8768.37	1.949	1.582	0.366
4202: SPA 4 F 6-11	39393.84	33642	5751.84	1.645	1.405	0.240
4203: SPA 4 F 12-17	33905.66	36421	-2515.34	1.416	1.521	-0.105
5101: SPA 5 M 0-5	15777.39	18143	-2365.61	0.659	0.758	-0.099
5102: SPA 5 M 6-11	14775.50	16295	-1519.50	0.617	0.681	-0.063
5103: SPA 5 M 12-17	13752.42	16252	-2499.58	0.574	0.679	-0.104
5201: SPA 5 F 0-5	10324.04	17472	-7147.96	0.431	0.730	-0.299
5202: SPA 5 F 6-11	12421.43	15682	-3260.57	0.519	0.655	-0.136
5203: SPA 5 F 12-17	16116.12	15413	703.12	0.673	0.644	0.029
6101: SPA 6 M 0-5	67930.97	52755	15175.97	2.837	2.203	0.634
6102: SPA 6 M 6-11	67217.47	50086	17131.47	2.808	2.092	0.716
6103: SPA 6 M 12-17	57735.43	54372	3363.43	2.411	2.271	0.140
6201: SPA 6 F 0-5	73352.12	51027	22325.12	3.064	2.131	0.932
6202: SPA 6 F 6-11	99130.70	48891	50239.70	4.140	2.042	2.098
6203: SPA 6 F 12-17	58825.26	53030	5795.26	2.457	2.215	0.242
7101: SPA 7 M 0-5	35692.79	58177	-22484.21	1.491	2.430	-0.939
7102: SPA 7 M 6-11	80490.50	59333	21157.50	3.362	2.478	0.884
7103: SPA 7 M 12-17	61387.76	66644	-5256.24	2.564	2.784	-0.220
7201: SPA 7 F 0-5	43746.52	55447	-11700.48	1.827	2.316	-0.489
7202: SPA 7 F 6-11	49917.71	57018	-7100.29	2.085	2.382	-0.297
7203: SPA 7 F 12-17	49259.12	63950	-14690.88	2.057	2.671	-0.614
8101: SPA 8 M 0-5	54962.85	62308	-7345.15	2.296	2.602	-0.307
8102: SPA 8 M 6-11	59545.61	61966	-2420.39	2.487	2.588	-0.101
8103: SPA 8 M 12-17	68561.29	67267	1294.29	2.864	2.810	0.054
8201: SPA 8 F 0-5	60014.68	59420	594.68	2.507	2.482	0.025
8202: SPA 8 F 6-11	78250.09	59424	18826.09	3.268	2.482	0.786
8203: SPA 8 F 12-17	60273.80	64934	-4660.20	2.518	2.712	-0.195

GEO_HD_R	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
1: 3 Alhambra	66632.51	69690	-3057.49	2.783	2.911	-0.128
2: 5 Antelope Valley	147861.01	116745	31116.01	6.176	4.876	1.300
3: 6 Bellflower	68671.25	91286	-22614.75	2.868	3.813	-0.945
4: 9 Central	77953.40	63897	14056.40	3.256	2.669	0.587
5: 12 Compton	97559.84	91530	6029.84	4.075	3.823	0.252
6: 16 East LA	60875.62	59644	1231.62	2.543	2.491	0.051
7: 19 East Valley	89351.25	102864	-13512.75	3.732	4.296	-0.564
8: 23 El Monte	97567.75	117442	-19874.25	4.075	4.905	-0.830
9: 25 Foothill	76041.77	70671	5370.77	3.176	2.952	0.224
10: 27 Glendale	44836.62	66046	-21209.38	1.873	2.759	-0.886

GEO_HD_R	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
11: 31 Harbor	71392.84	51099	20293.84	2.982	2.134	0.848
12: 34 Hollywood-Wilshire	81059.91	77573	3486.91	3.386	3.240	0.146
13: 37 Inglewood	118816.45	109118	9698.45	4.963	4.558	0.405
14: 40 Long Beach	104863.98	115338	-10474.02	4.380	4.817	-0.437
15: 47 Northeast	102810.44	79467	23343.44	4.294	3.319	0.975
16: 50 Pasadena	19425.91	26606	-7180.09	0.811	1.111	-0.300
17: 54 Pomona	98103.42	129860	-31756.58	4.098	5.424	-1.326
18: 58 San Antonio	132966.09	128981	3985.09	5.554	5.387	0.166
19: 62 San Fernando	99701.49	129229	-29527.51	4.164	5.398	-1.233
20: 69 South	104022.26	65371	38651.26	4.345	2.730	1.614
21: 72 Southeast	59097.24	57809	1288.24	2.468	2.415	0.054
22: 75 Southwest	163512.62	95452	68060.62	6.830	3.987	2.843
23: 79 Torrance	86535.05	99764	-13228.95	3.614	4.167	-0.553
24: 84 West	83166.90	99260	-16093.10	3.474	4.146	-0.672
25: 86 West Valley	183375.95	198776	-15400.05	7.659	8.302	-0.643
26: 91 Whittier	57981.45	80661	-22679.55	2.422	3.369	-0.947

I_CHOUDEPT_R2	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
1: 1	472401.85	517601	-45199.48	19.731	21.619	-1.888
2: 2	850100.10	890018	-39917.43	35.507	37.174	-1.667
3: 3	670593.59	585115	85478.19	28.009	24.439	3.570
4: 4+	401087.46	401449	-361.28	16.753	16.768	-0.015

I_CHOUADULT_R2	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
1: 1	348699.84	298063	50636.98	14.564	12.449	2.115
2: 2	1324807.75	1324049	759.11	55.334	55.303	0.032
3: 3	418063.76	402713	15351.13	17.462	16.820	0.641
4: 4+	302611.64	369359	-66747.22	12.639	15.427	-2.788

I_C65_R2	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
1 Born in US	2265112.41	2221554	43558.44	94.609	92.790	1.819
2 Born Outside US	129070.59	172629	-43558.44	5.391	7.210	-1.819

I_CRACE_R2	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
1 Latino	1602357.77	1485197	117160.77	66.927	62.034	4.893
2 White, AI, W/AI	341878.88	458173	-116294.12	14.280	19.137	-4.857
3 African American	279778.70	198013	81765.70	11.686	8.271	3.415
4 Asian	170167.66	252791	-82623.34	7.108	10.559	-3.451

GENDER_CAGEGROUP	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
11 M 0-5	376972.66	394451	-17478.34	15.745	16.475	-0.730
12 M 6-11	407093.14	393082	14011.14	17.003	16.418	0.585
13 M 12-17	401583.25	435452	-33868.75	16.773	18.188	-1.415
21 F 0-5	381162.89	377041	4121.89	15.920	15.748	0.172
22 F 6-11	412273.84	376845	35428.84	17.220	15.740	1.480
23 F 12-17	415097.22	417303	-2205.78	17.338	17.430	-0.092

\*\*\*\* Program terminated at iteration 3 because all current percents differ from target percents by less than 0.1 \*\*\*\*

***Weighted Distribution After Raking***

TELEPHONE_SERVICE6C_CHILD_R	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1 cell only + cell mostly	1015338.19	1016570	-1231.91	42.409	42.460	-0.051
2 Landline-only	279190.13	278683	507.23	11.661	11.640	0.021
3 not cell mostly	1099645.68	1098930	715.68	45.930	45.900	0.030

GEO_SPA_I_CRACE_R2	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1001: SPA 1 Latino	64031.66	64019	12.66	2.674	2.674	0.001
1002: SPA 1 White, AI, W/AI	28662.15	28684	-21.85	1.197	1.198	-0.001
1003: SPA 1 African American	20635.86	20558	77.86	0.862	0.859	0.003
1004: SPA 1 Asian	3476.93	3481	-4.07	0.145	0.145	-0.000
2001: SPA 2 Latino	256308.85	256449	-140.15	10.706	10.711	-0.006
2002: SPA 2 White, AI, W/AI	175420.20	175689	-268.80	7.327	7.338	-0.011
2003: SPA 2 African American	16013.58	15925	88.58	0.669	0.665	0.004
2004: SPA 2 Asian	48862.00	48855	7.00	2.041	2.041	0.000
3001: SPA 3 Latino	249798.56	250004	-205.44	10.434	10.442	-0.009
3002: SPA 3 White, AI, W/AI	59158.50	58998	160.50	2.471	2.464	0.007
3003: SPA 3 African American	13479.55	13346	133.55	0.563	0.557	0.006
3004: SPA 3 Asian	91714.98	91922	-207.02	3.831	3.839	-0.009
4001: SPA 4 Latino	159780.08	159912	-131.92	6.674	6.679	-0.006
4002: SPA 4 White, AI, W/AI	27195.02	27269	-73.98	1.136	1.139	-0.003
4003: SPA 4 African American	7281.79	7242	39.79	0.304	0.302	0.002
4004: SPA 4 Asian	26516.41	26515	1.41	1.108	1.107	0.000
5001: SPA 5 Latino	23292.36	23332	-39.64	0.973	0.975	-0.002
5002: SPA 5 White, AI, W/AI	59926.75	60035	-108.25	2.503	2.508	-0.005
5003: SPA 5 African American	6301.65	6276	25.65	0.263	0.262	0.001
5004: SPA 5 Asian	9604.87	9614	-9.13	0.401	0.402	-0.000
6001: SPA 6 Latino	235966.46	235570	396.46	9.856	9.839	0.017
6234: SPA 6 White, AI, W/AI, African American, Asian	74694.59	74591	103.59	3.120	3.116	0.004
7001: SPA 7 Latino	299111.51	298945	166.51	12.493	12.486	0.007
7002: SPA 7 White, AI, W/AI	29414.18	29433	-18.82	1.229	1.229	-0.001
7003: SPA 7 African American	10178.15	10156	22.15	0.425	0.424	0.001
7004: SPA 7 Asian	21945.29	22035	-89.71	0.917	0.920	-0.004
8001: SPA 8 Latino	196916.76	196966	-49.24	8.225	8.227	-0.002
8002: SPA 8 White, AI, W/AI	74327.13	74473	-145.87	3.105	3.111	-0.006
8003: SPA 8 African American	55544.08	55297	247.08	2.320	2.310	0.010
8004: SPA 8 Asian	48614.11	48583	31.11	2.031	2.029	0.001

GEO_SPA_GENDER_CAGEGROUP	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1101: SPA 1 M 0-5	17978.50	17956	22.50	0.751	0.750	0.001
1102: SPA 1 M 6-11	19232.38	19225	7.38	0.803	0.803	0.000
1103: SPA 1 M 12-17	22177.79	22174	3.79	0.926	0.926	0.000
1201: SPA 1 F 0-5	17355.05	17353	2.05	0.725	0.725	0.000

GEO_SPA_GENDER_CAGEGROUP	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1202: SPA 1 F 6-11	18332.92	18318	14.92	0.766	0.765	0.001
1203: SPA 1 F 12-17	21729.94	21716	13.94	0.908	0.907	0.001
2101: SPA 2 M 0-5	80750.29	80759	-8.71	3.373	3.373	-0.000
2102: SPA 2 M 6-11	82544.53	82528	16.53	3.448	3.447	0.001
2103: SPA 2 M 12-17	91709.51	91793	-83.49	3.831	3.834	-0.003
2201: SPA 2 F 0-5	76788.53	76825	-36.47	3.207	3.209	-0.002
2202: SPA 2 F 6-11	78302.86	78395	-92.14	3.271	3.274	-0.004
2203: SPA 2 F 12-17	86508.91	86618	-109.09	3.613	3.618	-0.005
3101: SPA 3 M 0-5	64627.95	64599	28.95	2.699	2.698	0.001
3102: SPA 3 M 6-11	68660.13	68656	4.13	2.868	2.868	0.000
3103: SPA 3 M 12-17	78598.22	78707	-108.78	3.283	3.287	-0.005
3201: SPA 3 F 0-5	61667.81	61612	55.81	2.576	2.573	0.002
3202: SPA 3 F 6-11	65482.90	65475	7.90	2.735	2.735	0.000
3203: SPA 3 F 12-17	75114.58	75221	-106.42	3.137	3.142	-0.004
4101: SPA 4 M 0-5	39707.98	39754	-46.02	1.659	1.660	-0.002
4102: SPA 4 M 6-11	34984.12	34993	-8.88	1.461	1.462	-0.000
4103: SPA 4 M 12-17	38215.82	38243	-27.18	1.596	1.597	-0.001
4201: SPA 4 F 0-5	37839.31	37885	-45.69	1.580	1.582	-0.002
4202: SPA 4 F 6-11	33623.49	33642	-18.51	1.404	1.405	-0.001
4203: SPA 4 F 12-17	36402.57	36421	-18.43	1.520	1.521	-0.001
5101: SPA 5 M 0-5	18125.62	18143	-17.38	0.757	0.758	-0.001
5102: SPA 5 M 6-11	16280.26	16295	-14.74	0.680	0.681	-0.001
5103: SPA 5 M 12-17	16225.99	16252	-26.01	0.678	0.679	-0.001
5201: SPA 5 F 0-5	17449.12	17472	-22.88	0.729	0.730	-0.001
5202: SPA 5 F 6-11	15661.40	15682	-20.60	0.654	0.655	-0.001
5203: SPA 5 F 12-17	15383.23	15413	-29.77	0.643	0.644	-0.001
6101: SPA 6 M 0-5	52784.76	52755	29.76	2.205	2.203	0.001
6102: SPA 6 M 6-11	50067.09	50086	-18.91	2.091	2.092	-0.001
6103: SPA 6 M 12-17	54582.43	54372	210.43	2.280	2.271	0.009
6201: SPA 6 F 0-5	51106.02	51027	79.02	2.135	2.131	0.003
6202: SPA 6 F 6-11	48907.09	48891	16.09	2.043	2.042	0.001
6203: SPA 6 F 12-17	53213.66	53030	183.66	2.223	2.215	0.008
7101: SPA 7 M 0-5	58206.78	58177	29.78	2.431	2.430	0.001
7102: SPA 7 M 6-11	59270.07	59333	-62.93	2.476	2.478	-0.003
7103: SPA 7 M 12-17	66668.58	66644	24.58	2.785	2.784	0.001
7201: SPA 7 F 0-5	55447.25	55447	0.25	2.316	2.316	0.000
7202: SPA 7 F 6-11	57051.83	57018	33.83	2.383	2.382	0.001
7203: SPA 7 F 12-17	64004.62	63950	54.62	2.673	2.671	0.002
8101: SPA 8 M 0-5	62269.10	62308	-38.90	2.601	2.602	-0.002
8102: SPA 8 M 6-11	62043.42	61966	77.42	2.591	2.588	0.003

GEO_SPA_GENDER_CAGEGROUP	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
8103: SPA 8 M 12-17	67273.67	67267	6.67	2.810	2.810	0.000
8201: SPA 8 F 0-5	59387.89	59420	-32.11	2.481	2.482	-0.001
8202: SPA 8 F 6-11	59482.51	59424	58.51	2.484	2.482	0.002
8203: SPA 8 F 12-17	64945.49	64934	11.49	2.713	2.712	0.000

GEO_HD_R	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1: 3 Alhambra	69680.14	69690	-9.86	2.910	2.911	-0.000
2: 5 Antelope Valley	116806.59	116745	61.59	4.879	4.876	0.003
3: 6 Bellflower	91410.98	91286	124.98	3.818	3.813	0.005
4: 9 Central	63855.18	63897	-41.82	2.667	2.669	-0.002
5: 12 Compton	91661.57	91530	131.57	3.829	3.823	0.006
6: 16 East LA	59620.51	59644	-23.49	2.490	2.491	-0.001
7: 19 East Valley	102854.82	102864	-9.18	4.296	4.296	-0.000
8: 23 El Monte	117477.57	117442	35.57	4.907	4.905	0.001
9: 25 Foothill	70597.59	70671	-73.41	2.949	2.952	-0.003
10: 27 Glendale	65932.79	66046	-113.21	2.754	2.759	-0.005
11: 31 Harbor	51096.11	51099	-2.89	2.134	2.134	-0.000
12: 34 Hollywood-Wilshire	77492.72	77573	-80.28	3.237	3.240	-0.003
13: 37 Inglewood	109256.88	109118	138.88	4.563	4.558	0.006
14: 40 Long Beach	115358.83	115338	20.83	4.818	4.817	0.001
15: 47 Northeast	79425.39	79467	-41.61	3.317	3.319	-0.002
16: 50 Pasadena	26569.92	26606	-36.08	1.110	1.111	-0.002
17: 54 Pomona	129826.36	129860	-33.64	5.423	5.424	-0.001
18: 58 San Antonio	129044.28	128981	63.28	5.390	5.387	0.003
19: 62 San Fernando	129152.22	129229	-76.78	5.394	5.398	-0.003
20: 69 South	65427.56	65371	56.56	2.733	2.730	0.002
21: 72 Southeast	57900.69	57809	91.69	2.418	2.415	0.004
22: 75 Southwest	95671.22	95452	219.22	3.996	3.987	0.009
23: 79 Torrance	99690.26	99764	-73.74	4.164	4.167	-0.003
24: 84 West	99125.63	99260	-134.37	4.140	4.146	-0.006
25: 86 West Valley	198664.81	198776	-111.19	8.298	8.302	-0.005
26: 91 Whittier	80573.36	80661	-87.64	3.365	3.369	-0.004



I_CHOUDEPT_R2	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1: 1	517743.09	517601	141.75	21.625	21.619	0.006
2: 2	889887.98	890018	-129.55	37.169	37.174	-0.005
3: 3	584973.07	585115	-142.32	24.433	24.439	-0.006
4: 4+	401569.86	401449	121.12	16.773	16.768	0.005

I_CHOUADULT_R2	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1: 1	298285.68	298063	222.82	12.459	12.449	0.009
2: 2	1323945.22	1324049	-103.42	55.299	55.303	-0.004
3: 3	402672.30	402713	-40.34	16.819	16.820	-0.002
4: 4+	369270.80	369359	-88.06	15.424	15.427	-0.004

I_C65_R2	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1 Born in US	2221642.85	2221554	88.88	92.794	92.790	0.004
2 Born Outside US	172531.15	172629	-97.88	7.206	7.210	-0.004

I_CRACE_R2	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
1 Latino	1485206.24	1485197	9.24	62.034	62.034	0.000
2 White, AI, W/AI	458170.17	458173	-2.83	19.137	19.137	-0.000
3 African American	197996.98	198013	-16.02	8.270	8.271	-0.001
4 Asian	252800.62	252791	9.62	10.559	10.559	0.000

GENDER_CAGEGROUP	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
11 M 0-5	394451.00	394451	0.00	16.475	16.475	0.000
12 M 6-11	393082.00	393082	-0.00	16.418	16.418	-0.000
13 M 12-17	435452.00	435452	0.00	18.188	18.188	-0.000
21 F 0-5	377041.00	377041	0.00	15.748	15.748	0.000
22 F 6-11	376845.00	376845	0.00	15.740	15.740	-0.000
23 F 12-17	417303.00	417303	0.00	17.430	17.430	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	66979.08	2.7974	1.32963
2	8566.83	0.3577	1.37581
3	1231.91	0.0513	1.38199

Number of Respondents Who Had Their Weights Decreased by the Trimming: **116.**

Number of Respondents Who Had Their Weights Increased by the Trimming: **211.**

Raking output weight: **CHILD\_RAKED\_WT**

Weight	Mean	Min	Max	CV
COMPOSITE_WT_CHILD_ATPT	398.17	22.55	18526.42	2.103
CHILD_RAKED_WT	398.17	39.82	3981.68	1.382

**Appendix VIII-L: Household Sample Raking to Population Control Totals*****RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD***

Sample size of completed interviews: **8036**

Raking input weight adjusted to population total: **HH\_WT\_2\_ATPT**

Mean value of raking input weight adjusted to population total: **402.93**

Minimum value of raking input weight: **14.62**

Maximum value of raking input weight: **8716.39**

Coefficient of variation of raking input weight: **1.39**

Global low weight cap value (GLCV): **44.32**

Global low weight cap value factor: Mean input weight times **.11**

Global high weight cap value (GHCV): **3626.39**

Global high weight cap value factor: Mean input weight times **9**

Individual low weight cap value (ILCV) factor: Respondent's weight times **.25**

Individual high weight cap value (IHCV) factor: Respondent's weight times **4**

Number of respondents who have an individual high weight cap value less than the global low weight cap value

(GLCV used in weight trimming): **0**

Number of respondents who have an individual low weight cap value greater than the global high weight cap value

(GHCV used in weight trimming): **0**

***Weighted Distribution Prior To Raking. Iteration 0***

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
TELEPHONE_SERVICE6C_HH						
1 Cell-only	1065243.85	703341	361902.58	32.899	21.722	11.177
2 Landline-only	448225.78	398992	49233.57	13.843	12.322	1.521
3 Dual user, Cell mostly	479918.93	623608	-143688.72	14.822	19.259	-4.438
4 Dual user, Not Cell mostly	1244574.23	1512022	-267447.43	38.437	46.697	-8.260

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUADULT_R2_HH						
1 1	1005509.56	996011	9498.72	31.054	30.730	0.324
2 2	1328317.68	1465747	-137429.29	41.023	45.222	-4.199
3 3	460636.35	456224	4412.34	14.226	14.076	0.150
4 4+	443499.21	323222	120277.03	13.697	9.972	3.725

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUDEPT_R2_HH						
1 0	2021221.89	2005173	16048.71	62.423	61.865	0.558
2 1	512642.20	511884	758.00	15.832	15.793	0.039
3 2	398465.07	441938	-43473.20	12.306	13.635	-1.329
4 3+	305633.63	282208	23425.29	9.439	8.707	0.732

I_Q79_R2_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1 Own	1978555.72	1566508	412048.05	61.105	48.331	12.774
2 Rent	1259407.07	1674696	-415289.25	38.895	51.669	-12.774

GEO_HD_R_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1: 3 Alhambra	94775.63	111914	-17138.37	2.927	3.453	-0.526
2: 5 Antelope Valley	120134.90	114401	5733.90	3.710	3.530	0.181
3: 6 Bellflower	102221.32	105087	-2865.68	3.157	3.242	-0.085
4: 9 Central	125320.73	126855	-1534.27	3.870	3.914	-0.043
5: 12 Compton	84477.58	65411	19066.58	2.609	2.018	0.591
6: 16 East LA	61969.91	53652	8317.91	1.914	1.655	0.259
7: 19 East Valley	156561.26	142925	13636.26	4.835	4.410	0.426
8: 23 El Monte	110180.76	107344	2836.76	3.403	3.312	0.091
9: 25 Foothill	86577.43	99983	-13405.57	2.674	3.085	-0.411
10: 27 Glendale	113592.39	128144	-14551.61	3.508	3.954	-0.445
11: 31 Harbor	70881.28	68592	2289.28	2.189	2.116	0.073
12: 34 Hollywood-Wilshire	212833.98	215705	-2871.02	6.573	6.655	-0.082
13: 37 Inglewood	145059.57	132187	12872.57	4.480	4.078	0.402
14: 40 Long Beach	174010.74	164329	9681.74	5.374	5.070	0.304
15: 47 Northeast	99661.71	87893	11768.71	3.078	2.712	0.366
16: 50 Pasadena	57539.89	55913	1626.89	1.777	1.725	0.052
17: 54 Pomona	153979.65	159510	-5530.35	4.755	4.921	-0.166
18: 58 San Antonio	115986.88	108409	7577.88	3.582	3.345	0.237
19: 62 San Fernando	126070.57	152423	-26352.43	3.894	4.703	-0.809
20: 69 South	57390.41	43790	13600.41	1.772	1.351	0.421
21: 72 Southeast	48623.25	36594	12029.25	1.502	1.129	0.373
22: 75 Southwest	140697.44	117331	23366.44	4.345	3.620	0.725
23: 79 Torrance	149476.11	166247	-16770.89	4.616	5.129	-0.513
24: 84 West	253105.83	287424	-34318.17	7.817	8.868	-1.051
25: 86 West Valley	286879.54	296207	-9327.46	8.860	9.139	-0.279
26: 91 Whittier	89954.05	92934	-2979.95	2.778	2.867	-0.089

GEO_SPA_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1 Antelope Valley	120134.90	114401	5733.90	3.710	3.530	0.181
2 San Fernando Valley	683103.76	719699	-36595.24	21.097	22.205	-1.108
3 San Gabriel Valley	503053.36	534664	-31610.64	15.536	16.496	-0.960
4 Metro Central L.A.	437816.42	430453	7363.42	13.521	13.281	0.241
5 West L.A.	253105.83	287424	-34318.17	7.817	8.868	-1.051
6 South L.A.	331188.67	263126	68062.67	10.228	8.118	2.110
7 East L.A.	370132.16	360082	10050.16	11.431	11.110	0.322
8 South Bay	539427.70	531355	8072.70	16.659	16.394	0.266

\*\*\*\* Program terminated at iteration 4 because all current percents differ from target percents by less than 0.1 \*\*\*\*

### *Weighted Distribution After Raking*

TELEPHONE_SERVICE6C_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Cell-only	703458.44	703341	117.18	21.704	21.722	-0.018
2 Landline-only	399394.31	398992	402.09	12.322	12.322	0.000
3 Dual user, Cell mostly	624230.99	623608	623.34	19.259	19.259	-0.000
4 Dual user, Not Cell mostly	1514120.26	1512022	2098.59	46.715	46.697	0.018

I_HOUADULT_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 1	995169.70	996011	-841.14	30.704	30.730	-0.026
2 2	1466364.19	1465747	617.22	45.241	45.222	0.019
3 3	456422.81	456224	198.80	14.082	14.076	0.006
4 4+	323247.29	323222	25.11	9.973	9.972	0.001

I_HOUDEPT_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 0	2005416.45	2005173	243.27	61.873	61.865	0.008
2 1	511843.70	511884	-40.51	15.792	15.793	-0.001
3 2	441871.73	441938	-66.54	13.633	13.635	-0.002
4 3+	282072.12	282208	-136.22	8.703	8.707	-0.004

I_Q79_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Own	1566441.99	1566508	-65.69	48.329	48.331	-0.002
2 Rent	1674762.01	1674696	65.69	51.671	51.669	0.002

GEO_HD_R_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1: 3 Alhambra	111914.00	111914	-0.00	3.453	3.453	-0.000
2: 5 Antelope Valley	114401.00	114401	-0.00	3.530	3.530	-0.000
3: 6 Bellflower	105087.00	105087	0.00	3.242	3.242	0.000
4: 9 Central	126855.00	126855	0.00	3.914	3.914	0.000
5: 12 Compton	65411.00	65411	0.00	2.018	2.018	-0.000
6: 16 East LA	53652.00	53652	-0.00	1.655	1.655	-0.000
7: 19 East Valley	142925.00	142925	-0.00	4.410	4.410	-0.000
8: 23 El Monte	107344.00	107344	0.00	3.312	3.312	0.000
9: 25 Foothill	99983.00	99983	-0.00	3.085	3.085	-0.000
10: 27 Glendale	128144.00	128144	-0.00	3.954	3.954	-0.000
11: 31 Harbor	68592.00	68592	-0.00	2.116	2.116	-0.000
12: 34 Hollywood-Wilshire	215705.00	215705	0.00	6.655	6.655	0.000
13: 37 Inglewood	132187.00	132187	-0.00	4.078	4.078	-0.000
14: 40 Long Beach	164329.00	164329	0.00	5.070	5.070	-0.000
15: 47 Northeast	87893.00	87893	0.00	2.712	2.712	0.000
16: 50 Pasadena	55913.00	55913	0.00	1.725	1.725	0.000
17: 54 Pomona	159510.00	159510	-0.00	4.921	4.921	-0.000
18: 58 San Antonio	108409.00	108409	-0.00	3.345	3.345	-0.000
19: 62 San Fernando	152423.00	152423	0.00	4.703	4.703	-0.000
20: 69 South	43790.00	43790	-0.00	1.351	1.351	-0.000
21: 72 Southeast	36594.00	36594	0.00	1.129	1.129	0.000
22: 75 Southwest	117331.00	117331	-0.00	3.620	3.620	-0.000
23: 79 Torrance	166247.00	166247	0.00	5.129	5.129	0.000
24: 84 West	287424.00	287424	0.00	8.868	8.868	-0.000
25: 86 West Valley	296207.00	296207	0.00	9.139	9.139	-0.000
26: 91 Whittier	92934.00	92934	0.00	2.867	2.867	0.000

GEO_SPA_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Antelope Valley	114401.00	114401	-0.00	3.530	3.530	-0.000
2 San Fernando Valley	719699.00	719699	0.00	22.205	22.205	0.000
3 San Gabriel Valley	534664.00	534664	0.00	16.496	16.496	0.000
4 Metro Central L.A.	430453.00	430453	0.00	13.281	13.281	0.000
5 West L.A.	287424.00	287424	0.00	8.868	8.868	0.000
6 South L.A.	263126.00	263126	0.00	8.118	8.118	0.000
7 East L.A.	360082.00	360082	0.00	11.110	11.110	0.000
8 South Bay	531355.00	531355	0.00	16.394	16.394	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	90615.17	2.7490	0.97384
2	14060.90	0.4491	1.01542
3	3953.42	0.1214	1.02597
4	2098.59	0.0260	1.02820

Number of Respondents Who Had Their Weights Decreased by the Trimming: **23**.  
 Number of Respondents Who Had Their Weights Increased by the Trimming: **108**.

Raking output weight: **HH\_RAKED\_WT**

Weight	Mean	Min	Max	CV
HH_WT_2_ATPT	402.93	14.62	8716.39	1.387
HH_RAKED_WT	403.34	44.32	3626.39	1.028

**Appendix VIII-M: Household Subsample 3 Raking to Population Control Totals*****RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD***

Sample size of completed interviews: **1006**

Raking input weight adjusted to population total: **HH\_WT\_2\_ATPT**

Mean value of raking input weight adjusted to population total: **3218.65**

Minimum value of raking input weight: **118.94**

Maximum value of raking input weight: **36048.65**

Coefficient of variation of raking input weight: **1.28**

Global low weight cap value (GLCV): **321.87**

Global low weight cap value factor: Mean input weight times **.1**

Global high weight cap value (GHCV): **32186.51**

Global high weight cap value factor: Mean input weight times **10**

Individual low weight cap value (ILCV) factor: Respondent's weight times **.2**

Individual high weight cap value (IHCV) factor: Respondent's weight times **5**

Number of respondents who have an individual high weight cap value less than the global low weight cap value

(GLCV used in weight trimming): **0**

Number of respondents who have an individual low weight cap value greater than the global high weight cap value

(GHCV used in weight trimming): **0**

***Weighted Distribution Prior To Raking. Iteration 0***

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
TELEPHONE_SERVICE6C_HH						
1 Cell-only	1096694.61	703341	393353.34	33.870	21.722	12.148
2 Landline-only	430378.59	398992	31386.37	13.292	12.322	0.969
3 Dual user, Cell mostly	414466.23	623608	-209141.42	12.800	19.259	-6.459
4 Dual user, Not Cell mostly	1296423.37	1512022	-215598.30	40.038	46.697	-6.658

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUADULT_R2_HH						
1 1	987121.55	996011	-8889.29	30.486	30.730	-0.244
2 2	1333022.26	1465747	-132724.71	41.169	45.222	-4.054
3 3	425673.51	456224	-30550.51	13.146	14.076	-0.929
4 4+	492145.48	323222	168923.30	15.199	9.972	5.227

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUDEPT_R2_HH						
1 0	2088056.52	2005173	82883.34	64.487	61.865	2.622
2 1	398354.89	511884	-113529.31	12.303	15.793	-3.490
3 2	410723.40	441938	-31214.87	12.685	13.635	-0.950
4 3+	340827.98	282208	58619.64	10.526	8.707	1.819



I_Q79_R2_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1 Own	2018750.57	1566508	452242.89	62.346	48.331	14.015
2 Rent	1219212.23	1674696	-455484.10	37.654	51.669	-14.015

GEO_HD_R_HH_SS	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1: 3 Alhambra	125371.85	111914	13457.85	3.872	3.453	0.419
2: 5 Antelope Valley	89718.98	114401	-24682.02	2.771	3.530	-0.759
3: 6 Bellflower	87382.34	105087	-17704.66	2.699	3.242	-0.544
4: 9 Central	110636.30	126855	-16218.70	3.417	3.914	-0.497
7: 19 East Valley	186160.13	142925	43235.13	5.749	4.410	1.340
10: 27 Glendale	126678.21	128144	-1465.79	3.912	3.954	-0.041
11: 31 Harbor	63195.23	68592	-5396.77	1.952	2.116	-0.165
12: 34 Hollywood-Wilshire	148120.19	215705	-67584.81	4.574	6.655	-2.081
13: 37 Inglewood	133974.49	132187	1787.49	4.138	4.078	0.059
14: 40 Long Beach	136437.74	164329	-27891.26	4.214	5.070	-0.856
15: 47 Northeast	161879.95	87893	73986.95	4.999	2.712	2.288
18: 58 San Antonio	170833.34	108409	62424.34	5.276	3.345	1.931
19: 62 San Fernando	155427.60	152423	3004.60	4.800	4.703	0.098
22: 75 Southwest	112720.33	117331	-4610.67	3.481	3.620	-0.139
23: 79 Torrance	151702.48	166247	-14544.52	4.685	5.129	-0.444
24: 84 West	297221.75	287424	9797.75	9.179	8.868	0.311
25: 86 West Valley	246144.66	296207	-50062.34	7.602	9.139	-1.537
26: 91 Whittier	57564.62	92934	-35369.38	1.778	2.867	-1.089
56: 12 Compton,16 East LA	155818.62	119063	36755.62	4.812	3.673	1.139
89: 23 El Monte, 25 Foothill	188135.17	207327	-19191.83	5.810	6.397	-0.586
1617: 50 Pasadena, 54 Pomona	232042.24	215423	16619.24	7.166	6.646	0.520
2021: 69 South,72 Southeast	100796.58	80384	20412.58	3.113	2.480	0.633

GEO_SPA_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1 Antelope Valley	89718.98	114401	-24682.02	2.771	3.530	-0.759
2 San Fernando Valley	714410.60	719699	-5288.40	22.064	22.205	-0.141
3 San Gabriel Valley	545549.26	534664	10885.26	16.849	16.496	0.353
4 Metro Central L.A.	420636.44	430453	-9816.56	12.991	13.281	-0.290
5 West L.A.	297221.75	287424	9797.75	9.179	8.868	0.311
6 South L.A.	280851.84	263126	17725.84	8.674	8.118	0.556
7 East L.A.	404263.99	360082	44181.99	12.485	11.110	1.376
8 South Bay	485309.94	531355	-46045.06	14.988	16.394	-1.406

\*\*\*\* Program terminated at iteration 6 because all current percents differ from target percents by less than 0.1 \*\*\*\*

### *Weighted Distribution After Raking*

TELEPHONE_SERVICE6C_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Cell-only	703605.01	703341	263.74	21.708	21.722	-0.014
2 Landline-only	399445.86	398992	453.65	12.324	12.322	0.002
3 Dual user, Cell mostly	624381.68	623608	774.03	19.264	19.259	0.005
4 Dual user, Not Cell mostly	1513771.44	1512022	1749.78	46.704	46.697	0.007

I_HOUADULT_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 1	995528.56	996011	-482.28	30.715	30.730	-0.015
2 2	1465687.95	1465747	-59.02	45.220	45.222	-0.002
3 3	456572.86	456224	348.85	14.087	14.076	0.011
4 4+	323414.63	323222	192.46	9.978	9.972	0.006

I_HOUDEPT_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 0	2005399.64	2005173	226.45	61.872	61.865	0.007
2 1	511824.29	511884	-59.91	15.791	15.793	-0.002
3 2	441768.21	441938	-170.06	13.630	13.635	-0.005
4 3+	282211.86	282208	3.52	8.707	8.707	0.000

I_Q79_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Own	1566624.55	1566508	116.88	48.335	48.331	0.004
2 Rent	1674579.45	1674696	-116.88	51.665	51.669	-0.004

GEO_HD_R_HH_SS	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1: 3 Alhambra	111914.00	111914	0.00	3.453	3.453	-0.000
2: 5 Antelope Valley	114401.00	114401	-0.00	3.530	3.530	-0.000
3: 6 Bellflower	103255.07	105087	-1831.93	3.186	3.242	-0.057
4: 9 Central	126855.00	126855	0.00	3.914	3.914	-0.000
7: 19 East Valley	142925.00	142925	0.00	4.410	4.410	0.000
10: 27 Glendale	128144.00	128144	0.00	3.954	3.954	0.000
11: 31 Harbor	68592.00	68592	0.00	2.116	2.116	-0.000
12: 34 Hollywood-Wilshire	215705.00	215705	0.00	6.655	6.655	0.000
13: 37 Inglewood	132187.00	132187	0.00	4.078	4.078	0.000
14: 40 Long Beach	164329.00	164329	0.00	5.070	5.070	0.000
15: 47 Northeast	87893.00	87893	-0.00	2.712	2.712	-0.000
18: 58 San Antonio	106519.16	108409	-1889.84	3.286	3.345	-0.058
19: 62 San Fernando	152423.00	152423	0.00	4.703	4.703	0.000
22: 75 Southwest	120250.59	117331	2919.59	3.710	3.620	0.090
23: 79 Torrance	166247.00	166247	0.00	5.129	5.129	0.000
24: 84 West	287424.00	287424	0.00	8.868	8.868	-0.000
25: 86 West Valley	296207.00	296207	0.00	9.139	9.139	0.000
26: 91 Whittier	91313.93	92934	-1620.07	2.817	2.867	-0.050
56: 12 Compton,16 East LA	119485.02	119063	422.02	3.686	3.673	0.013
89: 23 El Monte, 25 Foothill	207327.00	207327	0.00	6.397	6.397	0.000
1617: 50 Pasadena, 54 Pomona	215423.00	215423	0.00	6.646	6.646	-0.000
2021: 69 South,72 Southeast	82384.22	80384	2000.22	2.542	2.480	0.062

GEO_SPA_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Antelope Valley	114401.00	114401	-0.00	3.530	3.530	-0.000
2 San Fernando Valley	719699.00	719699	0.00	22.205	22.205	0.000
3 San Gabriel Valley	534664.00	534664	0.00	16.496	16.496	0.000
4 Metro Central L.A.	430453.00	430453	-0.00	13.281	13.281	-0.000

GEO_SPA_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
5 West L.A.	287424.00	287424	0.00	8.868	8.868	0.000
6 South L.A.	263126.00	263126	-0.00	8.118	8.118	-0.000
7 East L.A.	360082.00	360082	0.00	11.110	11.110	0.000
8 South Bay	531355.00	531355	0.00	16.394	16.394	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	130660.34	3.9845	0.91683
2	27734.37	0.8774	0.94899
3	8854.57	0.2386	0.96143
4	4550.96	0.1404	0.96487
5	3645.08	0.1125	0.96554
6	2919.59	0.0901	0.96552

Number of Respondents Who Had Their Weights Decreased by the Trimming: **0**.  
 Number of Respondents Who Had Their Weights Increased by the Trimming: **14**.

Raking output weight: **HH\_POP\_WT\_SUBSAMP\_3**

Weight	Mean	Min	Max	CV
HH_WT_2_ATPT	3218.65	118.94	36048.65	1.281
HH_POP_WT_SUBSAMP_3	3221.87	321.87	24300.55	0.966

**Appendix VIII-N: Household Subsample 5 Raking to Population Control Totals*****RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD***

Sample size of completed interviews: **1001**

Raking input weight adjusted to population total: **HH\_WT\_2\_ATPT**

Mean value of raking input weight adjusted to population total: **3234.73**

Minimum value of raking input weight: **146.61**

Maximum value of raking input weight: **70054.15**

Coefficient of variation of raking input weight: **1.44**

Global low weight cap value (GLCV): **323.47**

Global low weight cap value factor: Mean input weight times **.1**

Global high weight cap value (GHCV): **32347.28**

Global high weight cap value factor: Mean input weight times **10**

Individual low weight cap value (ILCV) factor: Respondent's weight times **.2**

Individual high weight cap value (IHCV) factor: Respondent's weight times **5**

Number of respondents who have an individual high weight cap value less than the global low weight cap value

(GLCV used in weight trimming): **0**

Number of respondents who have an individual low weight cap value greater than the global high weight cap value

(GHCV used in weight trimming): **0**

***Weighted Distribution Prior To Raking. Iteration 0***

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
TELEPHONE_SERVICE6C_HH						
1 Cell-only	993018.25	703341	289676.98	30.668	21.722	8.946
2 Landline-only	444385.46	398992	45393.25	13.724	12.322	1.402
3 Dual user, Cell mostly	534265.74	623608	-89341.91	16.500	19.259	-2.759
4 Dual user, Not Cell mostly	1266293.36	1512022	-245728.31	39.108	46.697	-7.589

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUADULT_R2_HH						
1 1	1104762.23	996011	108751.39	34.119	30.730	3.389
2 2	1255086.69	1465747	-210660.28	38.762	45.222	-6.461
3 3	493815.93	456224	37591.92	15.251	14.076	1.175
4 4+	384297.95	323222	61075.77	11.869	9.972	1.896

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUDEPT_R2_HH						
1 0	2090049.43	2005173	84876.25	64.548	61.865	2.683
2 1	445620.16	511884	-66264.05	13.762	15.793	-2.031
3 2	371813.15	441938	-70125.12	11.483	13.635	-2.152

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUDEPT_R2_HH						
4 3+	330480.05	282208	48271.71	10.206	8.707	1.500

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_Q79_R2_HH						
1 Own	2040345.58	1566508	473837.90	63.013	48.331	14.682
2 Rent	1197617.21	1674696	-477079.11	36.987	51.669	-14.682

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
GEO_HD_R_HH_SS						
1: 3 Alhambra	100620.40	111914	-11293.60	3.108	3.453	-0.345
2: 5 Antelope Valley	119004.14	114401	4603.14	3.675	3.530	0.146
3: 6 Bellflower	116522.51	105087	11435.51	3.599	3.242	0.356
4: 9 Central	103769.09	126855	-23085.91	3.205	3.914	-0.709
7: 19 East Valley	105803.90	142925	-37121.10	3.268	4.410	-1.142
10: 27 Glendale	84882.27	128144	-43261.73	2.621	3.954	-1.332
11: 31 Harbor	80343.78	68592	11751.78	2.481	2.116	0.365
12: 34 Hollywood-Wilshire	178727.15	215705	-36977.85	5.520	6.655	-1.135
13: 37 Inglewood	114612.39	132187	-17574.61	3.540	4.078	-0.539
14: 40 Long Beach	183022.00	164329	18693.00	5.652	5.070	0.582
15: 47 Northeast	81504.57	87893	-6388.43	2.517	2.712	-0.195
18: 58 San Antonio	106398.19	108409	-2010.81	3.286	3.345	-0.059
19: 62 San Fernando	96407.05	152423	-56015.95	2.977	4.703	-1.725
22: 75 Southwest	165881.24	117331	48550.24	5.123	3.620	1.503
23: 79 Torrance	139064.53	166247	-27182.47	4.295	5.129	-0.834
24: 84 West	359959.87	287424	72535.87	11.117	8.868	2.249
25: 86 West Valley	270946.43	296207	-25260.57	8.368	9.139	-0.771
26: 91 Whittier	105828.23	92934	12894.23	3.268	2.867	0.401
56: 12 Compton,16 East LA	133517.09	119063	14454.09	4.123	3.673	0.450
89: 23 El Monte, 25 Foothill	238290.76	207327	30963.76	7.359	6.397	0.963
1617: 50 Pasadena, 54 Pomona	222529.29	215423	7106.29	6.873	6.646	0.226
2021: 69 South,72 Southeast	130327.91	80384	49943.91	4.025	2.480	1.545

GEO_SPA_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1 Antelope Valley	119004.14	114401	4603.14	3.675	3.530	0.146
2 San Fernando Valley	558039.66	719699	-161659.34	17.234	22.205	-4.970
3 San Gabriel Valley	561440.45	534664	26776.45	17.339	16.496	0.843
4 Metro Central L.A.	364000.81	430453	-66452.19	11.242	13.281	-2.039
5 West L.A.	359959.87	287424	72535.87	11.117	8.868	2.249
6 South L.A.	372249.63	263126	109123.63	11.496	8.118	3.378
7 East L.A.	386225.54	360082	26143.54	11.928	11.110	0.819
8 South Bay	517042.70	531355	-14312.30	15.968	16.394	-0.426

\*\*\*\* Program terminated at iteration 5 because all current percents differ from target percents by less than 0.1 \*\*\*\*

### *Weighted Distribution After Raking*

TELEPHONE_SERVICE6C_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Cell-only	702592.76	703341	-748.51	21.677	21.722	-0.045
2 Landline-only	399225.13	398992	232.92	12.317	12.322	-0.005
3 Dual user, Cell mostly	624357.46	623608	749.81	19.263	19.259	0.004
4 Dual user, Not Cell mostly	1515028.65	1512022	3006.99	46.743	46.697	0.046

I_HOUADULT_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 1	994987.78	996011	-1023.06	30.698	30.730	-0.032
2 2	1466217.71	1465747	470.74	45.237	45.222	0.015
3 3	456656.99	456224	432.98	14.089	14.076	0.013
4 4+	323341.52	323222	119.34	9.976	9.972	0.004

I_HOUDEPT_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 0	2005576.96	2005173	403.78	61.878	61.865	0.012
2 1	511882.00	511884	-2.20	15.793	15.793	-0.000
3 2	441868.94	441938	-69.33	13.633	13.635	-0.002
4 3+	281876.09	282208	-332.25	8.697	8.707	-0.010

I_Q79_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Own	1566450.46	1566508	-57.22	48.329	48.331	-0.002
2 Rent	1674753.54	1674696	57.22	51.671	51.669	0.002

GEO_HD_R_HH_SS	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1: 3 Alhambra	111914.00	111914	0.00	3.453	3.453	0.000
2: 5 Antelope Valley	114401.00	114401	0.00	3.530	3.530	-0.000
3: 6 Bellflower	105061.02	105087	-25.98	3.241	3.242	-0.001
4: 9 Central	126855.00	126855	-0.00	3.914	3.914	-0.000
7: 19 East Valley	142925.00	142925	0.00	4.410	4.410	-0.000
10: 27 Glendale	128144.00	128144	-0.00	3.954	3.954	-0.000
11: 31 Harbor	68592.00	68592	0.00	2.116	2.116	0.000
12: 34 Hollywood-Wilshire	215705.00	215705	-0.00	6.655	6.655	-0.000
13: 37 Inglewood	132187.00	132187	-0.00	4.078	4.078	-0.000
14: 40 Long Beach	164329.00	164329	0.00	5.070	5.070	-0.000
15: 47 Northeast	87893.00	87893	-0.00	2.712	2.712	-0.000
18: 58 San Antonio	108382.19	108409	-26.81	3.344	3.345	-0.001
19: 62 San Fernando	152423.00	152423	-0.00	4.703	4.703	-0.000
22: 75 Southwest	117370.73	117331	39.73	3.621	3.620	0.001
23: 79 Torrance	166247.00	166247	0.00	5.129	5.129	0.000
24: 84 West	287424.00	287424	0.00	8.868	8.868	-0.000
25: 86 West Valley	296207.00	296207	-0.00	9.139	9.139	-0.000
26: 91 Whittier	92911.02	92934	-22.98	2.867	2.867	-0.001
56: 12 Compton,16 East LA	119071.83	119063	8.83	3.674	3.673	0.000
89: 23 El Monte, 25 Foothill	207327.00	207327	0.00	6.397	6.397	0.000
1617: 50 Pasadena, 54 Pomona	215423.00	215423	0.00	6.646	6.646	0.000
2021: 69 South,72 Southeast	80411.22	80384	27.22	2.481	2.480	0.001



GEO_SPA_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Antelope Valley	114401.00	114401	0.00	3.530	3.530	0.000
2 San Fernando Valley	719699.00	719699	-0.00	22.205	22.205	-0.000
3 San Gabriel Valley	534664.00	534664	0.00	16.496	16.496	0.000
4 Metro Central L.A.	430453.00	430453	-0.00	13.281	13.281	-0.000
5 West L.A.	287424.00	287424	0.00	8.868	8.868	0.000
6 South L.A.	263126.00	263126	-0.00	8.118	8.118	-0.000
7 East L.A.	360082.00	360082	0.00	11.110	11.110	0.000
8 South Bay	531355.00	531355	0.00	16.394	16.394	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	122204.10	3.7236	0.98167
2	38206.91	1.1394	1.04216
3	14059.37	0.3871	1.06689
4	5863.50	0.1342	1.07555
5	3006.99	0.0461	1.07842

Number of Respondents Who Had Their Weights Decreased by the Trimming: **2**.  
 Number of Respondents Who Had Their Weights Increased by the Trimming: **13**.

Raking output weight: **HH\_POP\_WT\_SUBSAMP\_5**

Weight	Mean	Min	Max	CV
HH_WT_2_ATPT	3234.73	146.61	70054.15	1.445
HH_POP_WT_SUBSAMP_5	3237.97	323.47	32339.28	1.078

**Appendix VIII-O: Household Subsample 6 Raking to Population Control Totals****RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD**

Sample size of completed interviews: **1004**

Raking input weight adjusted to population total: **HH\_WT\_2\_ATPT**

Mean value of raking input weight adjusted to population total: **3225.06**

Minimum value of raking input weight: **161.62**

Maximum value of raking input weight: **54988.44**

Coefficient of variation of raking input weight: **1.40**

Global low weight cap value (GLCV): **322.51**

Global low weight cap value factor: Mean input weight times **.1**

Global high weight cap value (GHCV): **32250.63**

Global high weight cap value factor: Mean input weight times **10**

Individual low weight cap value (ILCV) factor: Respondent's weight times **.2**

Individual high weight cap value (IHCV) factor: Respondent's weight times **5**

Number of respondents who have an individual high weight cap value less than the global low weight cap value

(GLCV used in weight trimming): **0**

Number of respondents who have an individual low weight cap value greater than the global high weight cap value

(GHCV used in weight trimming): **0**

**Weighted Distribution Prior To Raking. Iteration 0**

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
TELEPHONE_SERVICE6C_HH						
1 Cell-only	984554.94	703341	281213.67	30.407	21.722	8.685
2 Landline-only	480901.17	398992	81908.96	14.852	12.322	2.530
3 Dual user, Cell mostly	471107.14	623608	-152500.51	14.549	19.259	-4.710
4 Dual user, Not Cell mostly	1301399.54	1512022	-210622.12	40.192	46.697	-6.505

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUADULT_R2_HH						
1 1	986307.78	996011	-9703.05	30.461	30.730	-0.269
2 2	1339307.54	1465747	-126439.43	41.363	45.222	-3.860
3 3	422676.28	456224	-33547.74	13.054	14.076	-1.022
4 4+	489671.20	323222	166449.02	15.123	9.972	5.151

	Input Weight Sum of Weights	Household Id Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_HOUDEPT_R2_HH						
1 0	1990597.64	2005173	-14575.55	61.477	61.865	-0.388
2 1	539945.06	511884	28060.86	16.675	15.793	0.882
3 2	396707.23	441938	-45231.04	12.252	13.635	-1.383
4 3+	310712.87	282208	28504.53	9.596	8.707	0.889

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
L_Q79_R2_HH						
1 Own	1764454.35	1566508	197946.68	54.493	48.331	6.162
2 Rent	1473508.44	1674696	-201187.88	45.507	51.669	-6.162

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
GEO_HD_R_HH_SS						
1: 3 Alhambra	112274.67	111914	360.67	3.467	3.453	0.015
2: 5 Antelope Valley	104345.38	114401	-10055.62	3.223	3.530	-0.307
3: 6 Bellflower	90148.61	105087	-14938.39	2.784	3.242	-0.458
4: 9 Central	110582.38	126855	-16272.62	3.415	3.914	-0.499
7: 19 East Valley	193535.65	142925	50610.65	5.977	4.410	1.567
10: 27 Glendale	98918.29	128144	-29225.71	3.055	3.954	-0.899
11: 31 Harbor	120618.63	68592	52026.63	3.725	2.116	1.609
12: 34 Hollywood-Wilshire	239485.96	215705	23780.96	7.396	6.655	0.741
13: 37 Inglewood	77221.91	132187	-54965.09	2.385	4.078	-1.693
14: 40 Long Beach	126804.43	164329	-37524.57	3.916	5.070	-1.154
15: 47 Northeast	59876.07	87893	-28016.93	1.849	2.712	-0.863
18: 58 San Antonio	92341.72	108409	-16067.28	2.852	3.345	-0.493
19: 62 San Fernando	85060.98	152423	-67362.02	2.627	4.703	-2.076
22: 75 Southwest	119585.45	117331	2254.45	3.693	3.620	0.073
23: 79 Torrance	206607.38	166247	40360.38	6.381	5.129	1.252
24: 84 West	180972.76	287424	-106451.24	5.589	8.868	-3.279
25: 86 West Valley	331038.89	296207	34831.89	10.224	9.139	1.085
26: 91 Whittier	117335.03	92934	24401.03	3.624	2.867	0.756
56: 12 Compton, 16 East LA	213679.12	119063	94616.12	6.599	3.673	2.926
89: 23 El Monte, 25 Foothill	206965.12	207327	-361.88	6.392	6.397	-0.005
1617: 50 Pasadena, 54 Pomona	250410.85	215423	34987.85	7.734	6.646	1.087
2021: 69 South, 72 Southeast	100153.53	80384	19769.53	3.093	2.480	0.613

GEO_SPA_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1 Antelope Valley	104345.38	114401	-10055.62	3.223	3.530	-0.307
2 San Fernando Valley	708553.81	719699	-11145.19	21.883	22.205	-0.322
3 San Gabriel Valley	569650.64	534664	34986.64	17.593	16.496	1.097
4 Metro Central L.A.	409944.42	430453	-20508.58	12.661	13.281	-0.620
5 West L.A.	180972.76	287424	-106451.24	5.589	8.868	-3.279
6 South L.A.	320633.24	263126	57507.24	9.902	8.118	1.784
7 East L.A.	412610.21	360082	52528.21	12.743	11.110	1.633
8 South Bay	531252.34	531355	-102.66	16.407	16.394	0.013

\*\*\*\* Program terminated at iteration 4 because all current percents differ from target percents by less than 0.1 \*\*\*\*

### *Weighted Distribution After Raking*

TELEPHONE_SERVICE6C_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Cell-only	703845.68	703341	504.41	21.716	21.722	-0.006
2 Landline-only	399422.81	398992	430.60	12.323	12.322	0.001
3 Dual user, Cell mostly	624155.92	623608	548.27	19.257	19.259	-0.002
4 Dual user, Not Cell mostly	1513779.59	1512022	1757.93	46.704	46.697	0.008

I_HOUADULT_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 1	995021.08	996011	-989.76	30.699	30.730	-0.031
2 2	1466229.44	1465747	482.47	45.237	45.222	0.015
3 3	456633.38	456224	409.37	14.088	14.076	0.013
4 4+	323320.09	323222	97.92	9.975	9.972	0.003

I_HOUDEPT_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 0	2005217.99	2005173	44.81	61.866	61.865	0.001
2 1	512178.20	511884	294.00	15.802	15.793	0.009
3 2	441786.23	441938	-152.04	13.630	13.635	-0.005
4 3+	282021.58	282208	-186.76	8.701	8.707	-0.006

I_Q79_R2_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Own	1566055.37	1566508	-452.31	48.317	48.331	-0.014
2 Rent	1675148.63	1674696	452.31	51.683	51.669	0.014

GEO_HD_R_HH_SS	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1: 3 Alhambra	111914.00	111914	-0.00	3.453	3.453	-0.000
2: 5 Antelope Valley	114401.00	114401	-0.00	3.530	3.530	-0.000
3: 6 Bellflower	104547.55	105087	-539.45	3.226	3.242	-0.017
4: 9 Central	126855.00	126855	0.00	3.914	3.914	0.000
7: 19 East Valley	142925.00	142925	0.00	4.410	4.410	0.000
10: 27 Glendale	128144.00	128144	0.00	3.954	3.954	0.000
11: 31 Harbor	68592.00	68592	-0.00	2.116	2.116	-0.000
12: 34 Hollywood-Wilshire	215705.00	215705	-0.00	6.655	6.655	-0.000
13: 37 Inglewood	132187.00	132187	-0.00	4.078	4.078	-0.000
14: 40 Long Beach	164329.00	164329	-0.00	5.070	5.070	-0.000
15: 47 Northeast	87893.00	87893	0.00	2.712	2.712	0.000
18: 58 San Antonio	107852.49	108409	-556.51	3.328	3.345	-0.017
19: 62 San Fernando	152423.00	152423	0.00	4.703	4.703	0.000
22: 75 Southwest	118165.39	117331	834.39	3.646	3.620	0.026
23: 79 Torrance	166247.00	166247	-0.00	5.129	5.129	-0.000
24: 84 West	287424.00	287424	0.00	8.868	8.868	0.000
25: 86 West Valley	296207.00	296207	0.00	9.139	9.139	0.000
26: 91 Whittier	92456.93	92934	-477.07	2.853	2.867	-0.015
56: 12 Compton,16 East LA	119230.00	119063	167.00	3.679	3.673	0.005
89: 23 El Monte, 25 Foothill	207327.00	207327	-0.00	6.397	6.397	-0.000
1617: 50 Pasadena, 54 Pomona	215423.00	215423	-0.00	6.646	6.646	-0.000
2021: 69 South,72 Southeast	80955.64	80384	571.64	2.498	2.480	0.018

GEO_SPA_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Antelope Valley	114401.00	114401	-0.00	3.530	3.530	-0.000
2 San Fernando Valley	719699.00	719699	0.00	22.205	22.205	0.000
3 San Gabriel Valley	534664.00	534664	0.00	16.496	16.496	0.000
4 Metro Central L.A.	430453.00	430453	0.00	13.281	13.281	0.000
5 West L.A.	287424.00	287424	0.00	8.868	8.868	0.000
6 South L.A.	263126.00	263126	0.00	8.118	8.118	0.000
7 East L.A.	360082.00	360082	-0.00	11.110	11.110	-0.000
8 South Bay	531355.00	531355	0.00	16.394	16.394	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	82075.76	2.4856	1.02700
2	13906.93	0.4291	1.09166
3	4327.17	0.1335	1.10168
4	1757.93	0.0305	1.10308

Number of Respondents Who Had Their Weights Decreased by the Trimming: **2**.  
 Number of Respondents Who Had Their Weights Increased by the Trimming: **16**.

Raking output weight: **HH\_POP\_WT\_SUBSAMP\_6**

Weight	Mean	Min	Max	CV
HH_WT_2_ATPT	3225.06	161.62	54988.44	1.402
HH_POP_WT_SUBSAMP_6	3228.29	322.51	30961.66	1.103

## Appendix VIII-P: Child Survey Household Sample Raking to Population Control Totals

### *RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD*

Sample size of completed interviews: **6013**

Raking input weight adjusted to population total: **CHILD\_HH\_WT\_1\_ATPT**

Mean value of raking input weight adjusted to population total: **202.90**

Minimum value of raking input weight: **15.39**

Maximum value of raking input weight: **3859.29**

Coefficient of variation of raking input weight: **1.52**

Global low weight cap value (GLCV): **20.29**

Global low weight cap value factor: Mean input weight times **.1**

Global high weight cap value (GHCV): **2028.97**

Global high weight cap value factor: Mean input weight times **10**

Individual low weight cap value (ILCV) factor: Respondent's weight times **.20**

Individual high weight cap value (IHCV) factor: Respondent's weight times **5**

Number of respondents who have an individual high weight cap value less than the global low weight cap value

(GLCV used in weight trimming): **0**

Number of respondents who have an individual low weight cap value greater than the global high weight cap value

(GHCV used in weight trimming): **0**

### *Weighted Distribution Prior To Raking. Iteration 0*

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
TELEPHONE_SERVICE6C_CHILD_R_HH						
1 cell only + cell mostly	552560.21	518021	34539.29	45.291	42.460	2.831
2 Landline-only	122694.96	142010	-19315.49	10.057	11.640	-1.583
3 not cell mostly	544765.84	559990	-15223.80	44.652	45.900	-1.248

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_CHOUDEPT_R2_HH						
1: 1	502065.58	505254	-3188.39	41.152	41.414	-0.261
2: 2	431621.36	436214	-4592.66	35.378	35.755	-0.376
3: 3	188931.35	191212	-2280.22	15.486	15.673	-0.187
4: 4+	97402.71	87341	10061.28	7.984	7.159	0.825

	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
I_CHOUADULT_R2_HH						
1: 1	162824.35	162670	154.22	13.346	13.333	0.013
2: 2	656921.23	662926	-6004.69	53.845	54.337	-0.492
3: 3	206824.78	218629	-11803.72	16.953	17.920	-0.968
4: 4+	193450.64	175796	17654.19	15.856	14.409	1.447

GEO_HD_R_CHILD_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1: 3 Alhambra	39025.35	39814	-788.65	3.199	3.263	-0.065
2: 5 Antelope Valley	56760.88	54757	2003.88	4.652	4.488	0.164
3: 6 Bellflower	41784.12	46408	-4623.88	3.425	3.804	-0.379
4: 9 Central	32345.21	34000	-1654.79	2.651	2.787	-0.136
5: 12 Compton	44915.90	39081	5834.90	3.682	3.203	0.478
6: 16 East LA	28930.23	27461	1469.23	2.371	2.251	0.120
7: 19 East Valley	49932.29	51590	-1657.71	4.093	4.229	-0.136
8: 23 El Monte	57120.65	54064	3056.65	4.682	4.431	0.251
9: 25 Foothill	39092.76	37713	1379.76	3.204	3.091	0.113
10: 27 Glendale	39622.02	39751	-128.98	3.248	3.258	-0.011
11: 31 Harbor	27107.24	26236	871.24	2.222	2.150	0.071
12: 34 Hollywood-Wilshire	46898.55	44730	2168.55	3.844	3.666	0.178
13: 37 Inglewood	55414.12	56283	-868.88	4.542	4.613	-0.071
14: 40 Long Beach	53201.41	58335	-5133.59	4.361	4.781	-0.421
15: 47 Northeast	42578.87	38808	3770.87	3.490	3.181	0.309
16: 50 Pasadena	15271.87	14641	630.87	1.252	1.200	0.052
17: 54 Pomona	69141.79	66544	2597.79	5.667	5.454	0.213
18: 58 San Antonio	60888.45	61259	-370.55	4.991	5.021	-0.030
19: 62 San Fernando	65251.68	67341	-2089.32	5.348	5.520	-0.171
20: 69 South	30840.59	27144	3696.59	2.528	2.225	0.303
21: 72 Southeast	23152.75	23816	-663.25	1.898	1.952	-0.054
22: 75 Southwest	44697.44	48127	-3429.56	3.664	3.945	-0.281
23: 79 Torrance	54240.19	55415	-1174.81	4.446	4.542	-0.096
24: 84 West	53923.00	59205	-5282.00	4.420	4.853	-0.433
25: 86 West Valley	105653.58	107237	-1583.42	8.660	8.790	-0.130
26: 91 Whittier	42230.06	40261	1969.06	3.461	3.300	0.161

GEO_SPA_CHILD_HH	Input Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Input Weights	Household %	Difference in %
1 Antelope Valley	56760.88	54757	2003.88	4.652	4.488	0.164
2 San Fernando Valley	260459.57	265919	-5459.43	21.349	21.796	-0.447
3 San Gabriel Valley	219652.42	212776	6876.42	18.004	17.440	0.564
4 Metro Central L.A.	121822.63	117538	4284.63	9.985	9.634	0.351
5 West L.A.	53923.00	59205	-5282.00	4.420	4.853	-0.433
6 South L.A.	143606.68	138168	5438.68	11.771	11.325	0.446
7 East L.A.	173832.87	175389	-1556.13	14.248	14.376	-0.128
8 South Bay	189962.96	196269	-6306.04	15.570	16.087	-0.517

\*\*\*\* Program terminated at iteration 2 because all current percents differ from target percents by less than 0.1 \*\*\*\*



*Weighted Distribution After Raking*

	Output Weight Sum of Weights	Household old Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
TELEPHONE_SERVICE6C_CHILD_R_HH						
1 cell only + cell mostly	518010.17	518021	-10.75	42.459	42.460	-0.001
2 Landline-only	141795.70	142010	-214.75	11.622	11.640	-0.018
3 not cell mostly	560215.14	559990	225.50	45.918	45.900	0.018

	Output Weight Sum of Weights	Household old Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
I_CHOUDEPT_R2_HH						
1: 1	505229.64	505254	-24.33	41.412	41.414	-0.002
2: 2	436257.76	436214	43.74	35.758	35.755	0.004
3: 3	191221.32	191212	9.75	15.674	15.673	0.001
4: 4+	87312.28	87341	-29.15	7.157	7.159	-0.002

	Output Weight Sum of Weights	Household old Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
I_CHOUADULT_R2_HH						
1: 1	162672.26	162670	2.13	13.334	13.333	0.000
2: 2	663007.06	662926	81.15	54.344	54.337	0.007
3: 3	218586.02	218629	-42.48	17.917	17.920	-0.003
4: 4+	175755.65	175796	-40.80	14.406	14.409	-0.003

	Output Weight Sum of Weights	Household old Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
GEO_HD_R_CHILD_HH						
1: 3 Alhambra	39814.00	39814	-0.00	3.263	3.263	-0.000
2: 5 Antelope Valley	54757.00	54757	0.00	4.488	4.488	0.000
3: 6 Bellflower	46408.00	46408	0.00	3.804	3.804	0.000
4: 9 Central	34000.00	34000	0.00	2.787	2.787	0.000
5: 12 Compton	39081.00	39081	0.00	3.203	3.203	0.000
6: 16 East LA	27461.00	27461	-0.00	2.251	2.251	-0.000
7: 19 East Valley	51590.00	51590	-0.00	4.229	4.229	-0.000
8: 23 El Monte	54064.00	54064	-0.00	4.431	4.431	-0.000
9: 25 Foothill	37713.00	37713	-0.00	3.091	3.091	-0.000
10: 27 Glendale	39751.00	39751	-0.00	3.258	3.258	-0.000
11: 31 Harbor	26236.00	26236	0.00	2.150	2.150	0.000
12: 34 Hollywood-Wilshire	44730.00	44730	-0.00	3.666	3.666	-0.000

GEO_HD_R_CHILD_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
13: 37 Inglewood	56283.00	56283	0.00	4.613	4.613	0.000
14: 40 Long Beach	58335.00	58335	0.00	4.781	4.781	0.000
15: 47 Northeast	38808.00	38808	0.00	3.181	3.181	0.000
16: 50 Pasadena	14641.00	14641	-0.00	1.200	1.200	-0.000
17: 54 Pomona	66544.00	66544	-0.00	5.454	5.454	-0.000
18: 58 San Antonio	61259.00	61259	0.00	5.021	5.021	0.000
19: 62 San Fernando	67341.00	67341	-0.00	5.520	5.520	-0.000
20: 69 South	27144.00	27144	0.00	2.225	2.225	0.000
21: 72 Southeast	23816.00	23816	-0.00	1.952	1.952	-0.000
22: 75 Southwest	48127.00	48127	0.00	3.945	3.945	0.000
23: 79 Torrance	55415.00	55415	0.00	4.542	4.542	0.000
24: 84 West	59205.00	59205	0.00	4.853	4.853	0.000
25: 86 West Valley	107237.00	107237	-0.00	8.790	8.790	-0.000
26: 91 Whittier	40261.00	40261	0.00	3.300	3.300	0.000

GEO_SPA_CHILD_HH	Output Weight Sum of Weights	Household Total	Sum of Weights Difference	% of Output Weights	Household %	Difference in %
1 Antelope Valley	54757.00	54757	0.00	4.488	4.488	0.000
2 San Fernando Valley	265919.00	265919	0.00	21.796	21.796	0.000
3 San Gabriel Valley	212776.00	212776	0.00	17.440	17.440	0.000
4 Metro Central L.A.	117538.00	117538	0.00	9.634	9.634	0.000
5 West L.A.	59205.00	59205	0.00	4.853	4.853	0.000
6 South L.A.	138168.00	138168	0.00	11.325	11.325	0.000
7 East L.A.	175389.00	175389	-0.00	14.376	14.376	-0.000
8 South Bay	196269.00	196269	-0.00	16.087	16.087	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	5249.68	0.4303	1.21667
2	225.50	0.0185	1.21866

Number of Respondents Who Had Their Weights Decreased by the Trimming: **46.**

Number of Respondents Who Had Their Weights Increased by the Trimming: **9.**

Raking output weight: **CHILD\_HH\_POP\_WT**

Weight	Mean	Min	Max	CV
CHILD_HH_WT_1_ATPT	202.90	15.39	3859.29	1.521
CHILD_HH_POP_WT	202.90	20.29	2028.97	1.219

**Appendix VIII-Q: BSC Child Sample Raking to Population Control Totals*****RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD***

Sample size of completed interviews: **405**

Raking input weight adjusted to population total: **CHILD\_POP\_WT\_ATPT**

Mean value of raking input weight adjusted to population total: **417.30**

Minimum value of raking input weight: **35.15**

Maximum value of raking input weight: **3512.42**

Coefficient of variation of raking input weight: **1.56**

Global low weight cap value (GLCV): **52.16**

Global low weight cap value factor: Mean input weight times **.125**

Global high weight cap value (GHCV): **3338.39**

Global high weight cap value factor: Mean input weight times **8**

Individual low weight cap value (ILCV) factor: Respondent's weight times **.33**

Individual high weight cap value (IHCV) factor: Respondent's weight times **3**

Number of respondents who have an individual high weight cap value less than the global low weight cap value

(GLCV used in weight trimming): **0**

Number of respondents who have an individual low weight cap value greater than the global high weight cap value

(GHCV used in weight trimming): **0**

***Weighted Distribution Prior To Raking. Iteration 0***

	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
GENDER						
1 Male	82021.69	86252	-4230.31	48.532	51.035	-2.503
2 Female	86984.31	82754	4230.31	51.468	48.965	2.503

	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
I_CRACE_R2						
1 Latino	133943.04	134843	-899.96	79.253	79.785	-0.532
2 White, AI, W/AI	6186.95	10362	-4175.05	3.661	6.131	-2.470
3 African American	19346.16	18678	668.16	11.447	11.052	0.395
4 Asian	9529.86	5125	4404.86	5.639	3.032	2.606

	Input Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Input Weights	Population %	Difference in %
BSCComm_R						
3 Compton	14296.68	14938	-641.32	8.459	8.839	-0.379
4 East LA	13982.68	14973	-990.32	8.273	8.859	-0.586
5 Lancaster	13973.94	15865	-1891.06	8.268	9.387	-1.119
6 Metro LA	5086.63	8440	-3353.37	3.010	4.994	-1.984
7 NE SFV	18942.32	13165	5777.32	11.208	7.790	3.418
8 Palmdale	15930.25	17177	-1246.75	9.426	10.163	-0.738
9 Panorama City	13308.05	15707	-2398.95	7.874	9.294	-1.419
10 SELA	14890.94	18289	-3398.06	8.811	10.821	-2.011
11 South El Monte/El Monte	13544.64	10107	3437.64	8.014	5.980	2.034
214 Central Long Beach, Wilmington	21672.07	17347	4325.07	12.823	10.264	2.559
11213 Broadway/Manchester, Watts/Willowbrk, West Athens	23377.79	22999	378.79	13.833	13.608	0.224

\*\*\*\* Program terminated at iteration 3 because all current percents differ from target percents by less than 0.1 \*\*\*\*

**Weighted Distribution After Raking**

	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
GENDER						
1 Male	86243.00	86252	-9.00	51.029	51.035	-0.006
2 Female	82764.00	82754	10.00	48.971	48.965	0.006

	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
I_CRACE_R2						
1 Latino	134824.83	134843	-18.17	79.775	79.785	-0.010
2 White, AI, W/AI	10360.65	10362	-1.35	6.130	6.131	-0.001
3 African American	18697.02	18678	19.02	11.063	11.052	0.011
4 Asian	5124.51	5125	-0.49	3.032	3.032	-0.000

	Output Weight Sum of Weights	Population Total	Sum of Weights Difference	% of Output Weights	Population %	Difference in %
BSCComm_R						
3 Compton	14938.00	14938	0.00	8.839	8.839	0.000
4 East LA	14973.00	14973	0.00	8.859	8.859	0.000
5 Lancaster	15865.00	15865	-0.00	9.387	9.387	-0.000
6 Metro LA	8440.00	8440	-0.00	4.994	4.994	-0.000
7 NE SFV	13165.00	13165	-0.00	7.790	7.790	-0.000
8 Palmdale	17177.00	17177	0.00	10.163	10.163	0.000
9 Panorama City	15707.00	15707	0.00	9.294	9.294	0.000
10 SELA	18289.00	18289	0.00	10.821	10.821	0.000
11 South El Monte/El Monte	10107.00	10107	0.00	5.980	5.980	0.000
214 Central Long Beach, Wilmington	17347.00	17347	0.00	10.264	10.264	0.000
11213 Broadway/Manchester, Watts/Willowbrk, West Athens	22999.00	22999	0.00	13.608	13.608	0.000

Iteration Number	Maximum Absolute Value of Difference in Sum of Weights	Maximum Absolute Value of Difference in %	Coefficient of Variation of Weights at the Completion of the Iteration
1	3556.73	2.1042	1.47695
2	216.88	0.1280	1.47353
3	19.02	0.0113	1.47340

Number of Respondents Who Had Their Weights Decreased by the Trimming: **6**.  
 Number of Respondents Who Had Their Weights Increased by the Trimming: **56**.

Raking output weight: **CHILD\_BSC\_RAKED\_WT**

Weight	Mean	Min	Max	CV
CHILD_POP_WT	417.30	35.15	3512.42	1.558
CHILD_BSC_POP_WT	417.30	52.16	3338.39	1.473