Abt SRBI

2014-2015 Los Angeles County Health Survey Methodology Report

June 30, 2017

TABLE OF CONTENTS

Contents

I.   Introduction

The Los Angeles County Health Survey (LACHS) is an invaluable surveillance and monitoring tool for assessing the health needs and behaviors of County residents, evaluating current programs and initiatives, and planning public health policies for the future. The 2014-15 LACHS was designed to include a representative sample of at least 8,000 adults aged 18+ years and at least 6,000 children aged 0-17 years who reside in Los Angeles County. The Adult and Child Surveys were both designed to include a minimum of 500 interviews in each of Los Angeles County's eight Service Planning Areas (SPAs). The Child Survey was also managed to produce a minimum of 500 interviews with children aged 0-5 years old who reside in First 5 LA's Best Start Communities (BSCs).

The Adult Survey was conducted with a fully overlapping dual frame of landline and cell phone samples, and designed to include at least 21% of interviews with cell phone only (CPO) households. The Child Survey was also conducted using a fully overlapping dual frame sample in which households were screened for the presence of children, with additional interviews originating from households that completed the Adult Survey and have children. The Child Survey was designed to include a minimum of 20% of interviews with CPO households.

Sampling procedures generally followed the same methods used for the 2010-11 LACHS, with a few notable exceptions:

- The proportion of Adult and Child Survey interviews completed with cell phone only households was increased to improve representation of the population.
- The increased cell phone only goal for the Child survey required the addition of a Child cell phone RDD supplement, in which cell phone numbers were screened for the presence of children.
- In the Child Survey, we screened for an adult who knew the selected child well enough to answer questions about health, doctor visits, foods eaten, and general activities (*sufficiently knowledgeable)* to complete the interview rather than the *most knowledgeable* adult. This was implemented to increase productivity and reduce costs without sacrificing data quality.
- We managed the Child sample to ensure a minimum of 500 interviews about 0 to 5-year-old children were conducted with residents in First 5 LA's Best Start Communities (BSC). Ultimately, this required some oversampling of 0-5 year olds in these areas and additional sample stratification.
- New information was appended to cell phone telephone numbers to evaluate geographic targeting ability and productivity.
  - An activity flag that indicated whether the number was active (working and assigned to someone) was used to evaluate the feasibility of oversampling likely working numbers to improve productivity. Ultimately, activity flag information was not used due to concerns over bias.

II.   Populations of Interest and Study Design

Overview

The 2014-15 Los Angeles County Health Survey (LACHS) was commissioned by the Los Angeles County Department of Public Health (LAC-DPH) 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 30 years of experience conducting primary data collection for government, universities, non-profit organizations and commercial clients in the field of health.

The 2014-15 LACHS was the seventh iteration of the LACHS study (1997, 1999-2000, 2002-2003, 2005, 2007 and 2010-2011). 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. It 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 2014-15 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
- Geocoding address and cross-street information provided during the interview to assign a preliminary SPA and Health District assignment
- Preparation and delivery of all data files and documentation to the County

The LACHS is a population-based random digit dialed 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. With the inclusion of cell phones, the Los Angeles County 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 are able to be included in the LACHS.

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

1. <u>Adult Survey</u> – Collects data about the adult population of LA County among a sample of residents in LA County containing at least 1 adult resident.

2. <u>Child Survey</u> – Collects data on the child population of LA County among a sample of residents containing at least 1 child under 18 years of age.

Probability samples of landline and cellular telephone numbers were used to conduct the surveys. Together, the landline and cellular telephone frames include the household population of Los Angeles County with telephone service. Since the cellular frame is designed to target Los Angeles County residents, out-of-frame cell phone area codes are also excluded from the frame. Using the 2009-13 American Community Survey data for Los Angeles County, we estimate that only 2.1% 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.

Tracking Completed Interviews by SPA

The Adult and Child surveys were both designed to include a minimum of 500 interviews in each of Los Angeles County's eight SPAs. SPA boundaries are defined by census tract. While respondents cannot accurately report the census tract in which they live, they can provide ZIP code and address or cross-street information. As in the 2010-11 survey, Los Angeles County Department of Public Health (LAC-DPH) provided Abt SRBI with a list of LA County ZIP codes which constituted the ZIP-to-SPA mapping used for estimates during data collection and for final geocoding for select cases. While estimating respondents' SPA were useful in managing sample during data collection, accurate SPA assignments for the final LACHS was done using precise geographic information about the census tract in which the household is located. Maps of Los Angeles County showing the SPA and BSC boundaries compared to ZIP code and census tract, are presented in Figures 1 and 2, respectively.

Figure 1: Los Angeles SPA and BSC Boundaries Compared to ZIP Code
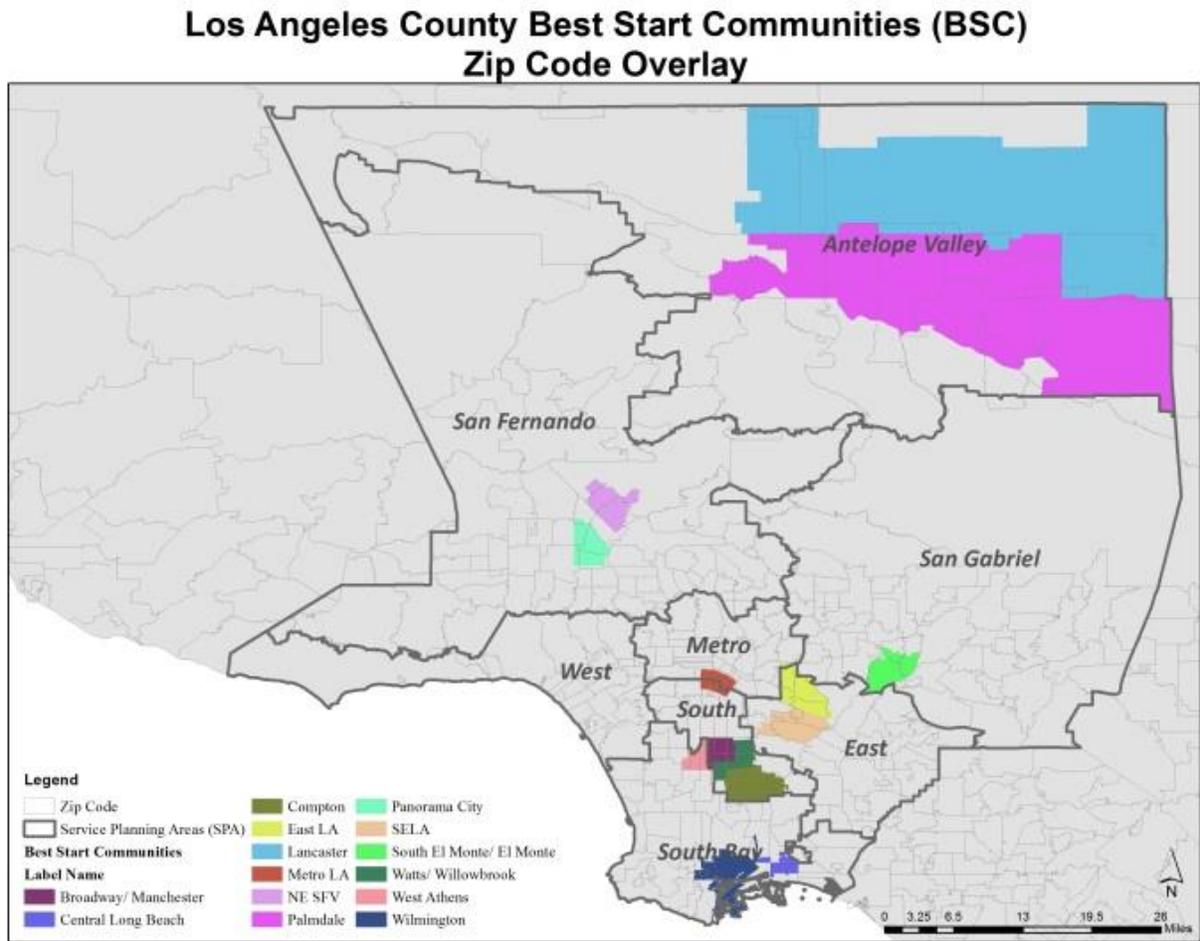
Figure 2: Los Angeles SPA and BSC Boundaries Compared to Census Tract
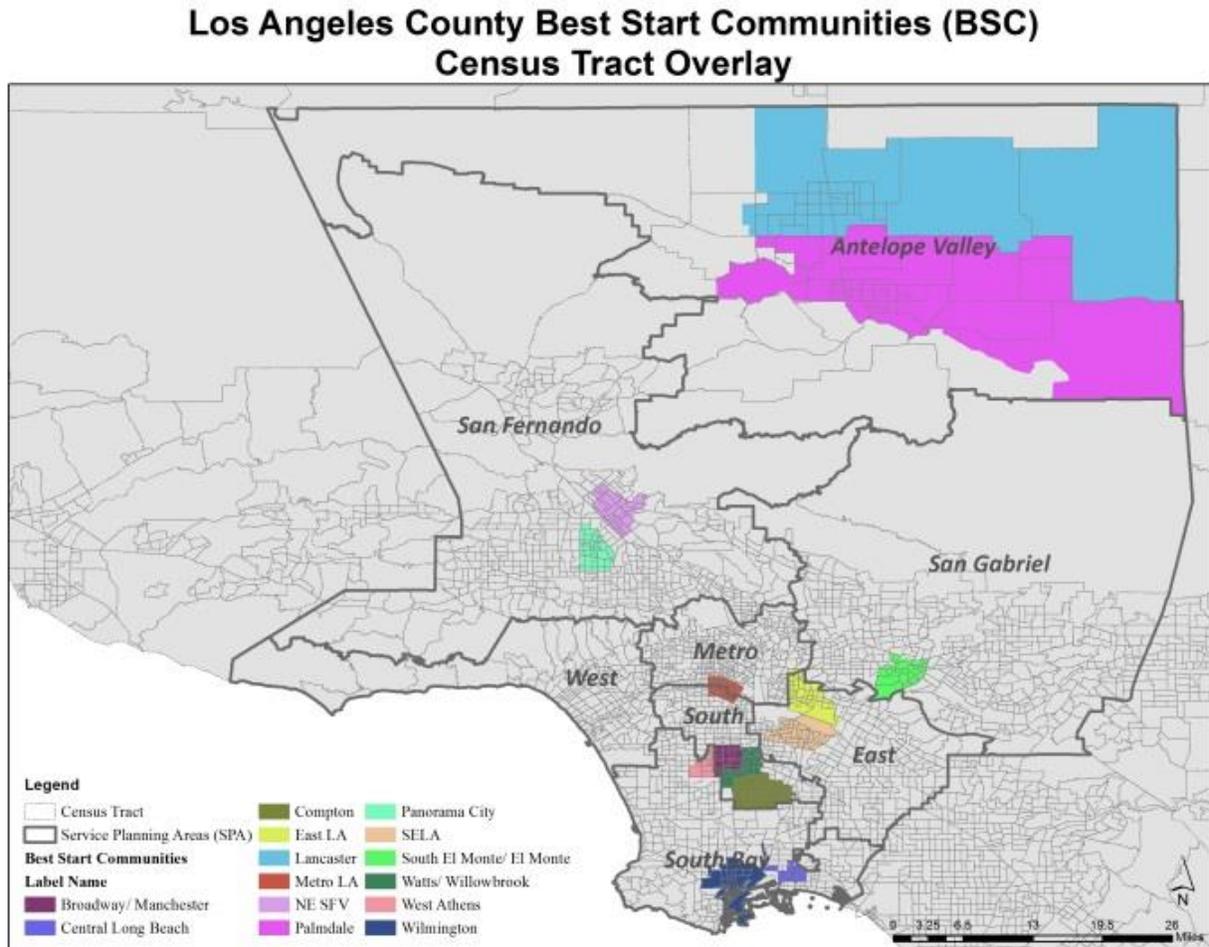
Census tracts of residence were determined by asking respondents where they live. Abt SRBI uses a "live" geocoding process that operates within our CATI system to code respondent-reported address or cross-streets and assign census tract. In this system, respondent-reported address or cross-streets are submitted to a live, online service that translates this information to latitude and longitude coordinates. If the input fails to find an accurate match, follow-up clarification questions are asked. The system records the accuracy to which the input is geocoded.

Defining the Sample Frames

We used the same procedures used in 2010-11 to obtain and define the landline and cell phone samples for the 2014-15 LACHS Adult and Child Surveys.

Landline Frame

The sample of landline telephone numbers was provided by Survey Sampling, Inc. (SSI). The frame was defined by exchanges assigned to Los Angeles County (county FIPS code 06037). A complete file of directory-listed residential numbers from the Donnelley Quality Index3 (DQI3) Database was used by SSI to remove 100-banks from the frame if they contained zero residential listings (0-banks). The resulting frame contained all 100-banks from exchanges that serve LA County with at least one residential listed telephone number (1+banks). All telephone numbers (listed and unlisted) in the 1+banks were eligible for selection. 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[1]). 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[2]) 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.

---

[1] Waksberg, J. 1978. Sampling Methods for Random Digit Dialing. Journal of the American Statistical Association, 73:40–46.
2 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.

Known business telephone numbers were purged from the landline sample after selection and before calling attempts were made. This was done by the sample provider, SSI, by comparing the sampled telephone numbers to listed business directories. The landline sample was stratified for the Adult and Child Surveys. Sampled landline telephone numbers were randomly grouped into sets of replicates for controlled release. All records in a replicate were released at one time.

Cellular Frame

SSI also provided the sample of cellular (or wireless) telephone numbers. The SSI wireless sampling frame begins with 1,000-blocks constructed from exchanges that provide cellular telephone service as designated in the 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 LACHS only included telephone numbers that were assigned to the Los Angeles County FIPS (06037). County FIPS is assigned to cellular numbers based on the rate center of the cell phone exchange.

The cell phone sample was stratified for the Adult and Child Surveys. Telephone numbers were randomly drawn from the cellular sampling frame for the Adult Survey and Child RDD supplemental sample, with each telephone number having a known and equal probability of selection. Sampled cell phone numbers were randomly grouped into sets of replicates for controlled release. All records in a replicate were released at one time and fully dialed according to the call protocol. 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. The sample of cell numbers were processed through SSI's GeoID process to append billing ZIP code (when available) and an activity flag that indicates whether the number is likely to be assigned and working.

Enhancing Geographic Targeting and Productivity in the Cell Frame

Initially, a county-wide random sample of telephone numbers from the cell frame was drawn for the Adult and Child Surveys. However, two types of information were used to evaluate options for stratification in order to improve geographic targeting ability and productivity: billing ZIP code and the rate center.

Two sources of information are available to geographically target cell phone samples:

1) **Rate centers.** Rate center represents the geographic area ("rate area") assigned to a telephone exchange (or 1000-bank) for billing purposes. Rate center is not always strongly associated with residence because people do not always get telephone numbers with rate centers where they live and people can move without changing their cell number. Still, rate center approximates the geographic location where the cell number was originally assigned, and while not perfect, it is considered a rough indicator of location.

2) ***Billing ZIP.*** Survey Sampling, Inc., the sample vendor, has a GeoID post-selection matching service that appends billing ZIP code (ZIP code where the cell phone bill is sent) for some telephone numbers that became available in 2012. When a cell phone number matches to the database, the accuracy of the geographic location generally performs better than rate centers. However, only a portion of sampled numbers produces a match, and the "match rate" varies substantially by geography.

Abt SRBI used both sources of information to evaluate stratification options in the cell frame. Rate center is used to define the cell phone frame, with rate centers that fall within Los Angeles County included. However, rate center can be used in conjunction with billing ZIP, when available, to explore the degree to which it is possible to target smaller areas within the County such as SPAs or First 5 LA Best Start Communities (BSC). This is done by selecting a county-wide sample of cell phone numbers and submitting the sample to SSI's GeoID process to append billing ZIP code. We then classified records into three "match stratum" groups:

1) Unmatched cases (no billing ZIP code was matched)
2) Matched cases in the target area (e.g., SPA 1 or SPA 5)
3) Matched cases outside the target area (e.g., not SPA 1 or SPA 5)

Once sample records were classified into these groups, a small set of replicates were released and dialed for evaluation purposes. After the replicates were fully dialed, the incidence of living in the target area was calculated for each group separately using screening data.

Often we have found an improved ability to target small areas using billing ZIP code data, and we stratify the sample into these three groups and sample them disproportionately to oversample the target area. However, improvement varies widely based on the specific area being targeted. Individual rate centers also provide geographic information and can be used in conjunction with billing ZIP code to stratify the cell phone sample.

Activity Flag Experiment

Another recent service available for cell phone samples is appending an "activity flag." Sampled cell phone numbers are flagged based on whether they are active numbers that have been used recently, inactive numbers that are likely to be non-working or not assigned, or unknown. In theory, inactive numbers can be removed from the sample entirely to improve dialing efficiency and reduce costs. At the start of the 2014-15 LACHS, our results suggested activity flags can identify inactive (non-working) numbers from cell phone samples relatively well, although accuracy varied by geography and there was some indication that removing inactive numbers could introduce coverage bias. While the working number rate is substantially lower among records flagged as "inactive," a reasonably high proportion (a third or more) may actually be

working numbers – and respondents reached on these numbers tend to be different in terms of age, education, income, and voter status.[3,4]

For the 2014-15 we conducted an experiment with activity flag data using MSG's Cell-WINS service. An initial set of replicates was analyzed to determine whether the flag accurately identifies non-working numbers, and what bias may be introduced by excluding or undersampling the "inactive" cases. If we had determined the activity flag data could be used to exclude or undersample inactive cases without introducing bias to the sample, we would have proposed to provide a specific strategy to DPH for this undersampling of inactive cases. The conclusion of the analysis was while the number of completed interviews among the inactive flagged records was not large, the data showed the possibility for differences when compared with the numbers classified by as active. Therefore, for the 2014-15 LACHS, the activity flag variable was not used to oversample active cases and undersample inactive cases.

Adult Survey

The 2014-15 Adult Survey was designed to include a sample of at least 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 generally considered personal, not household, devices.

A total 8,008 Adult LACHS interviews were completed, including 5,026 landline interviews and 2,982 cell interviews[5]. A total of 22.4% (n=1,790) of all interviews were conducted with cell-only households that do not have a landline telephone. The actual exceeded the design of 21% cell-only households.

---

[3] Mosher, M., & Best, J. (2013). Attempting to Boost RDD Cell Sample Productivity by Identifying Non-working Numbers Prior to Dialing. Paper presented at American Association of Public Opinion Research Conference. Boston, MA.

[4] Dutwin, D. (2013). Cellular Telephone Methodology: Sampling, Dialing and Dispositioning. American Association of Public Opinion Research Short Course. Boston, MA.

[5] A total of 8,056 Adult interviews were conducted, but 48 cases were determined to reside outside of LA County in the geocoding process and were dropped from the data.

Landline Sample

The landline sample consisted of three strata:

1) a Lancaster and Palmdale (SPA 1) sample of telephone numbers,
2) a SPA 5 sample of telephone numbers, and
3) a sample of telephone numbers from the balance of Los Angeles County.

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 Equal Probability of Selection Method (EPSEM) sample). For sample release purposes, telephone numbers were grouped into replicates of 500 for the cross-section and 100 for the SPA oversamples, with all telephone numbers in a replicate released at the same time. Although the SPA oversample records overlap with a County cross-section, telephone numbers were drawn from separate sample pulls and deduped as needed.

Cellular Telephone Sample

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 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.

Adult Survey Oversampling Design and Interview Goals

The 2014-15 Adult Survey was designed to include a sample of at least 8,000adults, with a minimum of 500 in each of the eight (8) Los Angeles County Service Planning Areas (SPAs).

Using information from DPH's website on the Adult population by SPA, we demonstrated the expected number of interviews by SPA with a straight county-wide sample. The Adult Survey design was as close to a proportional design as possible. Table 1 illustrates a proportional distribution and the estimated modified allocation of interviews by SPA. Only SPA 1 requires oversampling. To develop the estimated modified allocation, we increased the sample size in SPA 1 and proportionally decreased the number of interviews in the other SPAs.

Table 1: Proportional and Estimated Modified Allocation of Adult Interviews by SPA

	Adult Population		Proportional Design		Modified Allocation	
SPA 1, Antelope Valley	276,310	3.6%	292	3.6%	500	6.3%
SPA 2, San Fernando Valley	1,662,887	21.9%	1,755	21.9%	1,708	21.4%
SPA 3, San Gabriel Valley	1,360,639	18.0%	1,437	18.0%	1,398	17.5%
SPA 4, Metro LA	903,415	11.9%	954	11.9%	928	11.6%
SPA 5, West	537,864	7.1%	568	7.1%	553	6.9%
SPA 6, South	713,986	9.4%	754	9.4%	734	9.2%
SPA 7, East	953,455	12.6%	1,007	12.6%	980	12.3%
SPA 8, South Bay	1,168,036	15.4%	1,233	15.4%	1,200	15.0%
TOTAL	7,576,592		8,000		8,000	

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[6]. Therefore, only landline telephone numbers were used for the oversample using a limited set of exchanges.

To identify exchanges for the SPA 1 oversample, a 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 80% unless this will yield a very low hit rate. Exchanges were chosen for the SPA 1 oversample from the Lancaster and Palmdale communities to achieve 81% coverage with an expected hit rate of 66%, as shown in Appendix I-A.

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, LAC-DPH provided Abt SRBI with their definitive mapping of ZIP code to SPA. This comprehensive list of 539 ZIP codes provided Abt SRBI with specific guidance regarding the SPA and Health District assignment for survey

---

[6] 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.

respondents who were not willing to provide full or partial street address information, but were willing to provide this ZIP code. The ZIP-to-SPA mapping is shown in Appendix I-B.

The estimated number of completes by SPA was 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 2014-15 LACHS Child Survey was designed to include a sample of at least 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 child "well enough to answer questions about his/her health, his/her doctor visits, what kinds of foods he/she eats, and his/her general activities." This is a change from the 2010-11 iteration of the Child Survey, which screened for the adult who was most knowledgeable about the child.

A total of 5,982[7] Child interviews were completed from four sample sources:

1) Adult Survey Completes from the Landline Frame (n=838 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. An adult sufficiently knowledgeable, either the original respondent or another adult household member, was invited to complete the Child continuation.

2) Adult Survey Completes from the Cellular Frame (n=694 interviews)
   - If the Adult Survey respondent reported having at least one child under the age of 18 in the household, an adult sufficiently knowledgeable about the focus child was asked to complete the interview.

3) Supplemental Landline RDD Sample (n=2,906 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, an adult in the household sufficiently knowledgeable about the health and daily routines of the focus child was asked to complete the interview.

4) Supplemental Cellular RDD Sample (n=1,544 interviews)

---

[7] A total of 6,030 Child interviews were completed, but 48 cases were determined to reside outside of LA County by the geocoding process and were dropped from the data.

- This was an independent list of RDD telephone numbers drawn to screen households for the presence of at least one child under the age of 18. This was not a sample source included in the 2011 survey. After determining eligibility, an adult sufficiently knowledgeable about the health and daily routines of the child was asked to complete the interview.

Child Survey Oversampling Design and Interview Goals

During the survey design, we proposed a sampling methodology for the 2014-15 LACHS Child Survey similar to the 2010-11 methodology. Child interviews would originate from the Adult Survey with the remaining interviews completed from supplemental samples of landline and cell phone telephone numbers that are screened for the presence of children. A total of at least 6,000 interviews were to be completed with parents, guardians, or adults who are sufficiently knowledgeable about the health of children less than 18 years of age residing with them in Los Angeles County, with at least 20% of interviews completed with cell phone only (CPO) respondents.

Using NHIS's model-based estimates[8] for Los Angeles County in 2011, with updates based on regional growth, we estimated the child population that can only be reached by cell phone to be 46.5% in 2014-15. To balance budget restrictions with sample size needs, a total of at least 20% of Child interviews were to be completed with cell phone only respondents.

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 Landline Sample).

The LACHS started with a largely county-wide cross-section, and we knew we had to oversample SPA 1 & 5 to achieve the minimum sample sizes per SPA but then also found that further stratification to target SPAs 4, 5, 7, and 8 were necessary as well as complete 500 interviews with 0-5 year olds from BSCs. The supplemental landline sample for the Child Survey consisted of seven strata, defined by exchanges that were designed to target:

1) a Lancaster and Palmdale (SPA 1) sample of telephone numbers,
2) a SPA 4 sample of telephone numbers,
3) a SPA 5 sample of telephone numbers,
4) a post-stratum sample of telephone numbers from ZIP codes selected to oversample households in SPA 6,
5) a post-stratum sample of telephone numbers from ZIP codes selected to oversample households in SPA 7,
6) a post-stratum sample of telephone numbers from ZIP codes selected to oversample households in SPA 8, and

---

[8] Blumberg SJ, Luke JV. Wireless substitution: Early release of estimates from the National Health Interview Survey, July–December 2012. National Center for Health Statistics. June 2013.

7) a sample of telephone number from the balance of Los Angeles County.

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, SPA 4 and SPA 5 sample definitions overlap with the original county-wide 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, SPA 4 and SPA 5 oversamples. Within each stratum, telephone numbers were randomly assigned into replicates, with all telephone numbers in a replicate released at the same time.

The SPA 1 (Lancaster and Palmdale) oversample for the Child Survey was defined the same way as for the Adult Survey. In order to identify telephone exchanges for the SPA 4 and 5 oversamples, census tract-exchange reports were run showing the number of directory listed telephone numbers in each telephone exchange that fall inside versus outside the census tracts that define the SPAs. For SPA 4, exchanges were selected at a 75% coverage rate (the proportion of listed numbers that fall within the SPA) and a 78% hit rate (the expected incidence of households inside the SPA). For the SPA 5 oversample, exchanges were selected at an 81% coverage rate and a 66% hit rate. These exchange reports can be found in Appendix I-C and as shown in Appendix I-D, respectively.

Supplement Cell Phone RDD Telephone Sample

While households with children that completed the Adult Survey by cell phone were eligible to complete the Child Survey, it was also necessary to include a supplemental RDD sample of cellular telephone numbers. Initially, we released a county-wide sample of cell phone numbers for the supplemental RDD cell sample. We knew from the 2010-11 survey that the distribution of Child interviews by SPA is similar to the population distribution, which meant both SPA 1 and SPA 5 needed to be oversampled to get a minimum of 500 interviews. This oversample could be achieved, in part, through the Child Survey supplemental landline sample, but we evaluated stratification options to make sure that each SPA had a reasonable cell phone allocation using Rate Center and Billing ZIP as described in *Section 1, Enhancements to Cell*.

After fully dialing some released replicates, the incidence of living in a target area could be calculated for each group separately using screening data and used to define strata for subsequent sample release.

Selecting a Focus Child for the Child Survey

The number and age of children was assessed during the Adult Survey, and eligible households were invited to participate in the Child interview at the completion of the Adult Survey. If the respondent who completed the Adult Survey was not sufficiently knowledgeable about the selected child, we asked for a sufficiently knowledgeable adult who resides in the household to continue the interview. In the supplemental landline and cell RDD samples, we first assessed eligibility of the household by completing the screener with an adult and then we asked for the sufficiently knowledgeable adult to complete the interview about the selected child.

In order to ensure the sample of focus children from the Child Survey interview was representative of the population, we randomly selected one child from each household. The Adult Survey questionnaire and the Child Survey screener determined the number of children in each household who are: (1) 12 to 17 years of age, (2) 6 to 11 years of age, and (3) 5 years of age or younger. The children were enumerated as first oldest, second oldest, etc. within each category. We then selected one child to be the focus of the interview. Initially, each child had an equal probability of selection. However, it became necessary to oversample children aged 0 to 5 years among households located in First 5 LA Best Start Community (BSC) areas in order to meet the minimum sample size of 500 for this group. This process was undertaken in December 2014 and executed by using a list moving the household zip code question to the beginning of the Child Survey interview. The zip codes were compared to a list of BSC zip codes provided by LAC-DPH. Respondents believed to reside in a BSC, based on their zip code, who also had a child age 0-5, always had a 0-5 year old child selected for the interview.

Tracking Completed Child Interviews in Best Start Communities

First 5 LA Best Start Communities (BSC) are defined by census tracts just like SPAs. First 5 LA provided LAC-DPH with a list of census tracts for each BSC. LAC-DPH then determined a census tract to zip code catchment area, and provided a list of zip codes to Abt, SRBI. Since we had the ability to estimate census tracts to assign SPA, we could also code cases that were believed to be completed in BSCs. This was done within the CATI script for cases that provided complete address or cross street information. This coding assisted in the analysis and decision to oversample 0 to 5 year olds in the Child Survey among households located in BSCs.

III.   Questionnaire Development

Separate questionnaires were developed for the 2014-15 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.

New questions to the 2014-15 LACHS Adult and Child Surveys included:

Adult Survey

E1	QN21a
SSN5	QN22a
NN4	SSN7
P8	H7
PN9	W2
QN12a	W3
QN21	

W4	T0
W4a	QN56d
W4b	QN57a
AN	QN57b
A2	QN57c
A3	QN63a
QN45a	QN66b
QN45b	QN79a
QN45c	QN85a
QN45d	QN85b
QN45e	QN85c
QN45f	QN85d
QN45g	QN85e
QN45h	QN85f
QN45i	QN92
QN45k	QN92a
QN45l	

Child Survey

CZ1	CN31.1
CZ2	CN31.2
CZ3	CN31.3
CZ4	CN31.4
CZ5	CN31.5
CZ6	CN31.5a
CZ7	CN31.7
CZ8	CN31.8
CZ9	CN31.8a
C80	CN31.8b
R2ax	CN31.8e
R3bx	CN45.1
R3L	CN45.1a
R4	CN49
R5a	C49f
R5b	C49g
R5c	CN50
CN4	C50f
CN4a	CN64
CNFC9d	CN68
CNFC9e	CN77a
C18	CN81
CN20a	C81
CN20b	CN82
CN45.2	CN82a
CN45.3	

The LAC-DPH 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, and that questions necessary for weighting were included so 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 LAC-DPH's research goals.

Address Question Wording Change

Early in the course of the main survey data collection, Abt SRBI's project team reviewed the results of respondents providing their address for geocoding, specifically those not receiving an incentive. In consultation with LAC-DPH staff, it was decided alternative wording should be

tested to maximize the number of respondents who provide detailed information to use for the geocoding process.

On September 16, 2014, the revised wording was inserted into the Adult and Child questionnaires and CATI scripts.

Original Wording, asked prior to September 16, 2014:
We're interested in grouping respondents into geographic areas of the County. Therefore, I would like to get your mailing address. 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?

Revised Wording, asked September 16, 2014, and later:
Since LA County is so large and diverse, the Department of Public Health is interested in better assessing the health and well-being of residents at local levels and addressing ways to improve their lives. In order to assist the County, I would like to get your home address. Please know that this information will be kept strictly confidential and will NOT? be shared outside of the research team. Would you be willing to provide your address?

The wording change increased the percentage of respondents who had no monetary incentive to provide their address for geocoding) from 30% to 37%. The content and results of this experiment were presented as a poster by Amy Lightstone from LAC-DPH and Andrew Evans, Nicole Lee, and Tara Merry from Abt SRBI at the 2015 AAPOR 70th Annual Conference.

IV.   Structure and Content of the Adult Survey

The outline of the structure and general content of the 2014-15 LACHS Adult Survey questionnaire is provided below.

Adult Survey Screener

After explaining that we were calling on behalf of the LAC-DPH to conduct the LACHS Survey, different screening procedures were used for the landline and cell phone samples.

In the landline sample, after reaching an adult aged 18 years or older he/she was asked a series of questions to determine whether the household was located within Los Angeles 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 herself/himself and explained the purpose of the call again to the selected respondent. Once the selected adult came on the phone for the

interview, he or she was 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 2014-15 LACHS were provided with a list of pre-scripted responses to Frequently Asked Questions (FAQs) to answer any questions about the survey (see Appendix II-A). When requested, interviewers also provided respondents with a contact phone number for the LAC-DPH 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 interview was attempted with that adult. In households with more than one adult, the CATI script applied an equal probability selection of one adult.

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 to him or her directly to recruit 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 the "most recent birthday." Once the selected adult was identified, and if available the interview was attempted; if unavailable, 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 includes questions about health-related quality of life.

2. *Health Conditions*: This section includes questions about physical and/or mental health conditions, including those that had been diagnosed or treated by a health care professional.

3. *Mental Health*: These questions ask specifically about mental health issues, their impact on the respondent and health impairments or disabilities.

4. *Employment and Daily Activities*: This section asked about employment status, physical activities that the respondent engaged in, and the degree and duration to which those activities were performed. Respondents age 65 and older are asked about recent falls and how many times falls resulted in injury. This section also includes questions about perceptions of safety and the use of public spaces such as parks and biking trails in the respondent's neighborhood.

5. *Health Insurance and Access to Care*: These questions ask about current health insurance coverage, barriers to health care, and whether respondents had seen various health care professionals for care.

6. *Vaccinations*: This section asks whether the respondent received a flu shot or pneumonia shot (for respondents that were aged 65+).

7. *Tobacco*: These questions ask about the use of tobacco products. Individuals who self-identified as current tobacco users were asked a series of follow-up questions to assess the amount and frequency of their tobacco use, smoking in the home, and about tobacco cessation and products.

8. *Alcohol, Drugs & Firearms*: This section includes questions about the amount and frequency of alcohol use, as well as marijuana and prescription drug use, including having a medical marijuana card. The section also asks about the presence of firearms in the home.

9. *Sexual/Reproductive Health*: This section asks 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. The section also asks about intimate partner violence and provides a confidential domestic violence telephone hotline for respondents.

10. *Demographics*: Demographic questions about the respondent and the household include city and ZIP code of residence, origin of birth, citizenship, race/ethnicity/ancestry, gender,

marital status, age, language spoken in the household, disability status, sexual orientation, income, and education.

11. ***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. This section includes additional demographic questions about access to the Internet, marital status, prescriptions for medical marijuana, sexual orientation and household size/make up. Answers to the number of children in the household determined eligibility for the Child continuation survey.

12. ***Housing***: This section assesses 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.

13. ***Household Income***: This section asks whether household income was above or below poverty level thresholds (i.e. – poverty level, 185% above 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 2013.

14. ***Public Assistance/Food Insecurity***: This section asks questions to assess the respondent's need for SNAP, the Supplemental Nutrition Assistance Program, and any difficulties they had being able to afford and/or have access to food when they were hungry. This section also includes questions about nutrition education, the proportion of fruits and vegetables in the respondent's diet and where the respondent typically buys groceries.

The main section of the Adult questionnaire concludes with questions about the city/town and ZIP code in which the respondent lives. Respondents from the landline frame were then asked for their home address for the purpose of geocoding the address. Respondents from the cell phone frame were asked for their mailing address to issue their $10 incentive. If the mailing address for the incentive was their home address, that address was also used for geocoding otherwise home address or cross-streets were asked for geocoding.

Additional Questions Asked of Subsamples of Adults

Eight "subsample" modules were also included in the 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 Adult Questionnaire based on topic to ensure that the survey would flow in a cohesive manner.

The topics of the eight subsample modules are as follows:

1. **Street Vendors/Climate Change:** The questions in this module ask about the respondent's frequency of eating 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 concern about the possible impacts of climate change in Los Angeles.

2. **Nutrition:** This module assesses support of bans and regulations on food and nutrition that affect children, such as taxes on soda and advertising of sugary foods.

3. **Caregiving/Tap Water/Neighborhood:** This module asks whether respondents provided care or assistance to an aging adult or an individual with a long-term illness or disability. It also asks about the perceived safety of and usage of tap water, as well as the perceived benefit of fluoride in drinking water.

4. **Heat Alerts:** In this module, respondents are asked about their behavior and practices during heat alerts to stay cool.

5. **Emergency Preparedness/Alcohol Policy/Caregiving:** This module asks questions regarding the respondent's preparedness to deal with emergencies or disasters. This module also includes a series of questions about support of bans and regulations related to the sale and use of alcohol.

6. **Tobacco Policy 1:** This first module asks respondents their opinion about exposure to second-hand smoke and cigarette use by minors, as well as whether or not they favored banning smoking in outdoor areas. There are also 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 consists of a series of agree/disagree statements that cover a wide range of issues related to the sale and use of tobacco products within the County.

8. **Child Policy:** This module asks a series of agree/disagree statements about issues related to pre-school/pre-kindergarten, awareness of County organizations like First 5LA, sources from which they may have heard about First 5 LA, and topic areas that they may or may not associate with First 5 LA.

The English-language version of the Adult Questionnaire is included in Appendix II-B.

V.   Structure and Content of the Child Survey Questionnaire

Survey Screener

Eligibility requirements for the Child Survey include 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 or cell phone RDD samples. Eligibility was established differently for the two sample sources.

Adult Survey respondents were required to confirm residency in LA County to be eligible for the interview. Because the Adult Survey asks about the presence of children in the household, the interview itself determined 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, the interviewer begins by explaining that we were calling to conduct the LACHS Child Survey on behalf of LAC-DPH and asking to speak to an adult. As with the Adult survey, respondents in the cell phone frame are screened for safety and confirmation that we have reached their cell phone. An attempt was then made to screen the household to determine eligibility 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 17 years of age, (2) 6 to 11 years of age, or (3) 5 years of age or younger.

Once eligible households were identified, a child was chosen at random to be the focus of the survey and we attempted to complete the interview with an adult in the household who was sufficiently knowledgeable 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 17 years of age, (2) 6 to 11 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.

The selected child was identified to the respondent by age group and position within that group, e.g. second oldest.

In December 2014, in consultation with LAC-DPH, a process of oversampling children 0 to 5 years of age was implemented if the respondent-reported ZIP code indicated the household was likely to be located in a Best Start Community (BSC). This oversampling was necessary in order to

ensure we completed at least 500 interviews with parents/guardians of children 0 to 5 years old living in a BSC.

Once a focus child was selected, we attempted to identify and speak directly with the adult in the household who knew enough to answer questions 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 repeat the introduction and explain the project's purpose and sponsor before confirming that this new adult was knowledgeable about the health and daily routines of the focus child. Once the appropriate adult was identified, we attempted to recruit 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 the Adult Survey.

Child Survey Questionnaire

The Child Survey questionnaire contains 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 selected child age 6 to 17 years of age were approximately four minutes 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 2014-15 Child Survey included questions on the following topics:

1. *Child Identification and Background:* This section collects basic information 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. *Infant-Related 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 assess 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 food items besides breast milk, participation in the WIC program, and whether, during the first year after birth, any health professional (e.g., a nurse or social worker) had visited the home to provide information about parenting. .

3. *Daily Activities/Family Interaction:* These questions were asked if the focus child was aged 5 years or younger: how often family members engage their child in activities such as reading, telling stories Eating meals together was asked of all children ages 0-17 years.

4. ***Sugar Sweetened Beverages/Sodas & Screen Time***: This question assessed the child's daily consumption sweetened beverages, and usage of television and video games, and computers or smartphones on an average day.

5. ***Physical Activity:*** This section begins by asking if the focus child aged 6 years or older participated in any physical activities or exercise in the last week. The section then asks all respondents about their community, including public safety, park spaces, and whether they felt they belonged to their community.

6. ***Special Health Needs/Disabilities:*** This section asks about any special medication, treatment or therapy the focus child requires and the impact that the child's condition has on the family's time, finances and daily life. The section also asks about barriers to getting the child's needed care and whether the child was admitted to a hospital in the last year.

7. ***Child Development Knowledge Statements:*** This section measures the respondent's knowledge of facts about early child development.

8. ***Health Conditions:*** This section asks whether a health professional ever reported that the child had health problems such as autism, diabetes or asthma. Follow-up questions ask how these conditions were being treated. The section also asks if the child received a seasonal flu shot or flu mist.

9. ***Child Care:*** For respondents with a focus child aged 5 years or younger, this section asks about childcare arrangements used, difficulties arranging childcare and barriers to finding or keeping regular childcare.

10. ***Health Insurance:*** Questions ask about the focus child's current health care coverage, whether the focus child has a regular source of care, and where the respondent seeks health advice for the focus child.

11. ***Barriers to Accessing Healthcare:*** This section focused on the respondent's experiences with the ease and/or difficulty of obtaining healthcare for the selected child.

12. ***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 5 LA Parent Helpline, as well as their feelings about caring for the focus child were also included.

13. ***Child Demographics:*** This series included demographic questions about the focus child such as age, gender, race/ethnicity/ancestry, origin of birth, and length of time in the US and citizen status, when applicable.

14. ***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 from the supplemental sample used for the Child Survey. Questions included the respondent's gender, 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.

15. ***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 II-C.

VI. Survey Administration

Pre-testing and Pilot Test

The LACHS was originally designed to include a separate pre-test and pilot test. A total of 30 Adult and 30 Child Survey pre-test interviews conducted in English only would provide feedback to gauge interview length, determine if revisions were necessary to question wording and/or question order, and assess the general ease of administering the surveys. After the English-language versions of the Adult and Child Surveys were finalized, they would be translated and a pilot test including 50 Adult and 50 Child Survey interviews would be conducted with a minimum of three in each language. Final recommendations for questionnaire and protocol revisions would be provided based on the pilot test interviews before the start of the main study. Due to constraints and logistics related to funding and the LACHS timeline, the pre-test and pilot test were essentially combined as explained below.

Adult Survey

The pre-test/pilot test for the Adult Survey was conducted using a sample of landline telephone numbers and began on Thursday, June 5, 2014. The Child Survey questionnaire was not yet finalized; therefore, we could not launch the Adult Survey in the format that was implemented for the main survey with an invitation for qualified households to immediately continue to the Child Survey. Adult Survey interviewing was paused after the shift on Sunday, June 8, 2014, at which time 31 interviews had been completed.

On Friday, June 13, 2014, interviewing for the Adult Survey pretest/pilot resumed including the invitation for eligible households to immediately continue to the Child Survey. Households that had completed the Adult Survey prior to June 13th and were eligible for the Child Survey were called back.

Adult Survey pre-test/pilot test interviewing continued through the evening of Wednesday, June 18. A total of 105 Adult Survey interviews were completed: 93 Adult only, 7 Adults who qualified for the Child Survey, but did not complete it (5 terminated, 2 requested to be called back), and 5 households that completed both the Adult and Child interviews. The average length of the Adult interview, measured only among cases that did not qualify for the Child interview (93 cases), was 31.2 minutes (31:12)[9], roughly six (6) minutes longer than budgeted.

Child Survey

The Child Survey pre-test/pilot test was conducted using a supplemental RDD sample of cell phone numbers, a new component of the 2014-15 LACHS. Interviewing was conducted between Wednesday, June 11, and Wednesday, June 18. A total of 39 interviews were completed. The

---

[9] July 10: After discussing the use of decimal time versus minutes and seconds with LA DPH, Abt SRBI agreed to include the minutes and seconds timing as well.

average length of the Child pretest/pilot interview was 29.8 minutes, approximately 6 minutes longer than the average length of the final Child Survey interview.

Main Child Survey

During a June 18, 2014, conference call with LAC-DPH, Abt SRBI proposed starting the data collection for the Child Survey in June prior to incorporating any feedback from the pre-test/pilot test in order to meet project timeline requirements. We suggested starting the standalone versions using supplemental samples of landline and cell phone numbers instead of fully implementing the Child Survey continuation from the Adult Survey for efficiency and simplicity. The continuation process from the Adult Survey required additional CATI set-up and Field oversight, making it more difficult to implement. Restricting interviewing to the supplemental sample versions initially also limited the extent of script changes that would be required once the questionnaire was finalized. LAC-DPH agreed to this approach and the Child Supplemental Survey went live on Thursday, June 19. While these interviews were retained for analysis and included in the final sample, they were evaluated in the same way as the pre-test/pilot test interviews.

Interviewing was paused on Monday, June 30, 2014, at which point 497 Child Supplemental Survey interviews were completed. The breakdown by broad categories was:
- Landline: 324
- Cell Phone: 173
- Selected Child Age 12-17: 219
- Selected Child Age 6-11: 161
- Selected Child Age 0-5: 117

The overall average interview length for the Child Supplemental Survey was 28.2 minutes, approximately eight (8) minutes longer than budgeted. By age group, the average interview lengths were:
- 12 to 17: 27.01 – 27:00
- 6 to 11: 26.66 – 26:40
- 0 to 5: 32.55 – 32:33

June 2014 LACHS Interview Monitoring Feedback

Approximately sixty-five interviews were monitored by the Abt SRBI project team between live monitoring of interviews and listening to recorded pre-test/pilot interviews. Most of the live interviews were observed in the company of LAC-DPH staff. All recorded pre-test/pilot interviews were uploaded and shared with LAC-DPH staff.

Overall, the Abt SRBI project team concluded that the LACHS interviews ran smoothly. Observed issues generally appeared to be respondent-specific (e.g., a respondent wanted to answer before all response options were read; there was an issue related to the respondent's conduct, not the

question; or a respondent was occasionally confused by a question but a pattern of difficulty understanding the question was not observed). However, a few specific issues were noted.

Adult & Child Questionnaire:
- Several respondents found the sugar-sweetened beverage question hard to answer. One respondent (who was answering about her daughter) asked "How many ounces are in one of those juice boxes?"
    - A few respondents mentioned "less than one a day" or "only a couple during the week" – we believe the additional interviewing briefing in conjunction with new probe and response text for code '97' seems to have improved the question's administration.

Adult Questionnaire:
- One respondent appeared confused by QN85d (Have you received any nutrition education… Again, please respond "NO" if you learned any of these at a WIC office.): the prompt "Again, please respond "NO" if you learned any of these at a WIC office," received a response of, "Uh… no?" The interviewer re-read the question to respondent, but he still seemed confused.

- An older respondent answered Q89 (I am going to read two statements that people have made about the food situation at their household…) as "No". The interviewer probed several times (it was clear that this was not true for the respondent) and the respondent kept giving different answers.
    - Based on one respondent, we cannot claim this is a significant problem for the survey administration. However, one suggestion is to insert the word "Yes," at the beginning of response codes 1 and 2 and insert "No," at the start of response code 3.

Child Questionnaire:
- At C47, item "a", a respondent asked "Care for… is that physically, emotionally or what?". The interviewer probed using the question text and the respondent answered.
    - Does DPH have a specific definition in mind? We have administered this question in other surveys without incident, so we do not have a concern; nevertheless this is an observation worth mentioning that we had not previously shared with DPH.
- One respondent was very upset by C63 (Is child of Latino or of Hispanic origin?) and wanted to make sure project staff knew – the mother of the child is Hispanic and the father is not – he did not know how to answer the question – "I never know how to answer that question. Her mother is Hispanic and I am not. She just thinks of herself as a child.")

- o While noteworthy, Abt SRBI's project team believed the issue to be an interviewer training matter. Going forward, interviewers were then instructed to remind the respondent, there is no right or wrong answer, we are asking how the child (or the respondent herself/himself in parallel questions) would classify herself/himself. If the respondent was unsure and was not willing to commit to a specific category, interviewers could accept a "Don't Know" or a "Refused" response.

Finally, though we did not experience any respondent reaction, the introduction to the firearms questions made an impression on the project team. Having listened to numerous interviews, the introduction to the firearms section seems to raise a concern that otherwise did not exist in the mind of the respondent. Abt SRBI proposed reading the statement "*We are asking these in a health survey because of our interest in firearm-related injuries.*" could be read only if a respondent raises concern to the interviewer, to avoid biasing respondent answers. LAC-DPH agreed to this edit prior to the start of the main Adult Survey in August 2014.

Main Survey Interviewing Dates

For the 2014-15 LACHS, Child Survey interviews were conducted from June 19, 2014, through June 2, 2015. LACHS Adult Survey interviews were conducted August 11, 2014, through June 1, 2015.

Average Length of Interviews

The Adult Survey was specified and budgeted to average 25 minutes in length; the Child Survey was specified and budgeted to average 20 minutes in length.

Adult Survey Average Length

During the pre-test/pilot test, the Adult Survey averaged just over 31 minutes. In July and August 2014, LADPH and Abt SRBI collaborated to edit the Adult Survey questionnaire and reduce average interview length. After main interviewing began, average interview length was assessed at just over 27 minutes based on approximately 250 Adult interviews. At the end of data collection, the average interview length was 27:28. The average lengths by category were:

- Landline: 26:35
- Cell phone: 29:18
- Subsamp 1: 27:47
- Subsamp 2: 27:22
- Subsamp 3: 27:38
- Subsamp 4: 26:59
- Subsamp 5: 28:07
- Subsamp 6: 28:01
- Subsamp 7: 27:06
- Subsamp 8: 26:46

Child Survey Average Length

During the pre-test/pilot test and June start of the main survey, the Child Survey interview averaged approximately 28 minutes. During the month of July 2014, LAC-DPH worked with Abt SRBI to edit the Child Survey questionnaire in order to reduce the interview length. When data collection resumed on July 24, 2014, the average interview length for the Child Survey was estimated to be approximately 22 minutes based on 100 interviews. By the end of data collection, the average interview length was 23:47. The average lengths by category were:

- Landline: 22:25
- Cell phone: 26:14
- Selected Child age 0-5: 26:38
- Selected Child age 6-11: 22:40
- Selected Child age 12-17: 22:35

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 2014-15 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 in Table 2.

Table 2: Adult and Child Survey Interviews by Language

Language	Adult Survey		Child Survey	
English	6,820	85.2%	4,647	77.7%
Spanish	991	12.4%	1,244	20.8%
Cantonese	40	0.5%	22	0.4%
Mandarin	91	1.1%	40	0.7%
Vietnamese	26	0.3%	18	0.3%
Korean	40	0.5%	11	0.2%
TOTAL	8,008	100.0%	5,982	100.0%

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 G3 Translate, a New York City-based firm that had the ability to translate into all five languages. The translated versions of the 2010-11 LACHS survey questionnaires were provided to the vendor to ensure that the existing translation would be used for questions that were identical to the 2010-11 survey. To facilitate this process, the 2014-15 English-language versions of the questionnaires were marked-up to indicate which questions were unchanged from the 2010-11 surveys. 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. The translated versions were then provided to LAC-DPH where staff fluent in these languages completed their review. Edits and feedback were provided to Abt SRBI, and…..

Sample Management

The 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 of replicates, 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

Initially, telephone numbers were given a maximum of 14 call attempts for both the Adult and Child Surveys. Cases that completed the Adult Survey and were eligible to complete the Child Survey were given up to 14 additional attempts (for up to 28 attempts total). A small percentage of cases received more than 14 attempts to follow-through on callback appointments and

maximize response rate. However, the call protocol was modified partway through the field period as described below. Telephone numbers were dialed until they achieved a terminal disposition or reached maximum attempts based on the current protocol.

In an effort to improve efficiency and offset higher costs resulting from longer than budgeted interview lengths for the Adult and Child Surveys, Abt SRBI and LAC-DPH agreed to reduce the call protocol late in the data collection period (April 1, 2015). Maximum call attempts were decreased for non-qualified cases from 14 to 10 in the landline frame and from 14 to 8 in the cell phone frame, leaving the full call protocol in place for qualified cases.

- For the Adult Survey, a qualified case was one where we confirmed LA County residence, selected the qualified respondent (landline households), and were about to administer Q1. Adult Survey respondents who qualified for and agreed to continue and participate in the Child Survey continued to receive up to 14 additional attempts in order to complete the Child Survey continuation interview.

- For the Child Survey, a qualified case was one where we confirmed LA County residence, determined there was a child age 0 to 17 living in the household, selected a child and a sufficiently knowledgeable respondent, and obtained the selected child's name or initials.

Reducing the number of call attempts had only a small effect on the overall composition of the unweighted sample. This was largely due to the fact that only a small proportion of surveys are completed with cases that were not qualified by the time they reached 10 (in landline) or 8 (in cell phone) attempts (0.7 to 1.3%). While respondents surveyed in later attempts did have a slightly different distribution on some characteristics, the differences were not meaningfully large.

Outbound calls for LACHS were concentrated in the core dialing windows below.
- Weeknights 5PM-9PM[10]
- 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 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 the first time a voicemail/answering machine message was encountered and then on every third subsequent voicemail/answering machine message. 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

---

[10] All times are Pacific.

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 LAC-DPH 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 LAC-DPH 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 LAC-DPH number was only displayed on calls to landline phones[11].

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.

Late in the data collection period (April 1, 2015) Abt SRBI and LAC-DPH agreed to stop refusal conversion efforts in the cell phone sample. The decision was made to improve production efficiency of the cell phone sample and balance increased costs due to the longer than budgeted interview lengths for both the Adult and Child Surveys.

Incentives

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. A $10 incentive was offered to: respondents who completed the Adult interview or Child interview by cell phone; and those who completed the Child interview after completing the Adult interview on a landline. Those who completed both the Adult and Child interviews on a cell phone were offered a total of $20.

---

[11] 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. Final Data Preparation

Data Processing

Data for the Adult and Child Surveys were processed periodically throughout data collection. Processing involved a compilation of completed interview cases for review by the Project Manager.

After interviewing was complete, a final un-coded data set was compiled for each of the Adult and Child Surveys in SAS format that contained completed interviews only. For the 2014-15 LACHS, DPH staff reviewed and coded the survey respondents' verbatim responses.

Initial geocoding results were also provided to LAC-DPH based on results from a process using reviewed and cleaned 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 LAC-DPH. LAC-DPH used these files to review Abt SRBI's results and geocode all cases and assign SPA following the same procedures used for previous surveys. This process identified 48 Adult and 48 Child survey cases that were not in LA County and were therefore removed from the final analytic dataset.

Geocoding

Home address and cross-street information was collected from respondents for coding SPA and Health District. The geocoding process used for the 2014-15 LACHS was based on the process used for the 2010-11 LACHS and included three phases

1. **Geocoding.** For consistency with the 2010-11 LACHS, cases were initially grouped into following categories based on the amount of data available for geocoding:
   a) Records with detailed street address or cross-streets, city and zip code
   b) Records with street name only (no street number), or records with two parallel streets
   c) Records with ZIP code data only
   d) Records with city data only
   e) Records with city and ZIP code data only
   f) Records without any address information at all

2. Geocoding Quality Review

3. Assignment of geocoded locations to areas

The following GIS files were used for the 2014-15 LACHS project geocoding and area assignments:

SPA 2012 *(downloaded 9/12/2014)*
http://egis3.lacounty.gov/dataportal/2012/03/01/service-planning-areas-spa-2012/

Health Districts 2012 *(downloaded 9/12/2014)*
http://egis3.lacounty.gov/dataportal/2012/03/01/health-districts-hd-2012/

CAMS Address Locator files *(transferred to Abt SRBI via SFTP 10/2/2014)*
- CAMS_ADDRESS_LINES.shp
- CAMS_ADDRESS_POINTS.shp
- CAMS_INTERSECT.loc
- CAMS_POINTS.loc
- CAMS_STREETS.loc
- CAMS_LOCATOR.loc

In order to be consistent with geocoding from previous years of the LACHS, Abt SRBI used the coordinate system: PCS: NAD 1983 StatePlane California V FIPS 0405 Feet.[12] Census Tract 2010 file *(transferred to Abt SRBI via SFTP 10/2/2014)*
- Census_Tract_2014.zip

Updated ZIP Codes file *(transferred to Abt SRBI via SFTP 10/2/2014)*
- zipcodepoints_rev100114_SPAHD2012.xls
- zipcodepoints_rev100114.zip

First 5 LA County Best Start Communities BSC *(transferred to Abt SRBI via SFTP 10/3/2014)*
- BSC zip codes 2014 ohae to Abt.xlsx

The following points detail the procedures accordingly for geocoding and locational assignments:

1) Geocoding
    a) Records with detailed street address or cross-streets, city and ZIP code.
    Example: "5400 Russell Ave, Los Angeles, CA 90027"
    Example: "Russell Ave & N Harvard Blvd, Los Angeles, CA 90027"

    As noted in the "2011 Geocoding Process" instructions, ESRI ArcGIS software (ArcMap) was utilized for geocoding. Abt SRBI GIS has the latest full suite of ESRI ArcGIS software including both ESRI ArcMap 10.1 and 10.2, and ESRI ArcGIS Server. For the 2014-15 LACHS real-time geocoding process Abt SRBI GIS downloaded the "LA County Street Centerline Address File" and built an "Address Locator" using ArcGIS software. This Address locator was then published on our secured ArcGIS Server 10.1 and utilized for real-time CATI geocoding during data collection. The latest LA County Street Centerline file was downloaded from the LA County GIS Data Portal.

---

[12] For the initial LACHS geocoding, Abt SRBI used WGS84 projection coordinate system.

LAC-DPH provided Abt SRBI with their Countywide Address Management System (CAMS) Locator files. Abt SRBI's GIS professionals used the CAMS Locator for geocoding street address and cross-street data. LAC-DPH made the following settings: a spelling sensitivity of 80, a minimum match score of 85, and a minimum candidate score of 83.

Street address and cross-street cases that are not successfully coded by DPH's CAMS Locator will be run through Bing Maps API, in the hopes of finding a match. DPH would like Abt SRBI to run any cases matched through Bing Maps to have their addresses run through their CAMS Locator to confirm the match and use the CAMS's longitude/latitude location.

b) Records with street name only (no street number), or records with two parallel streets
Example: "Olympic Blvd, Los Angeles"
Example: "Mayberry Street, 90026"
Example: "Minnesota St & Altura St, Los Angeles"

Since 2011, geocoding technology has improved dramatically with free "Application Program Interface (API)s" available for online advanced geocoding. Abt SRBI GIS has extensive experience in the use of Python language programming (https://pypi.python.org) to interact with the available geocoding APIs. Based on our experience, the "Microsoft Bing Maps API" was recommended for use for the LACHS based on reliability and precision in geocoding. The cases geocoded via Bing Maps API were flagged in the LACHS data set.

For step "1b", all records missing full complete addresses, such as missing house numbers, or providing single or parallel streets only, the Bing Maps geocoding API was used. All records in this category were passed through the Bing Maps geocoding API and examined for output results. A "precision" field for all geocoded addresses was included by the Bing Maps API to indicate the level of geocoding to a specific address, intersection, ZIP code only, and city only. Records in this category "1b" are streets; thus, only output with street addresses or streets geocoding were accepted and reviewed. Outputs of lower quality geocoding precision to ZIP code or cities only were treated as ungeocoded records.

Since streets in the LA County area can be many miles long through various neighborhoods and unique census tracts, use of the Bing Maps API standardizes and geocodes all the street geocoding to the same "centroid" or center point of the street. For example, if "W Pico Blvd, Los Angeles, CA" is entered in the Bing Maps API geocoder, it will always return the same precise coordinates in the center of "W Pico Blvd" each time. Therefore unique input records with the same street names throughout the project were geocoded in an identical manner accordingly. Further information in the final relocation and "assignment to the Health Districts, SPA, and BSC areas" (memo

point 3) detail how the records will then be balanced between census tracts along streets, as noted in the 2011 document.

c) Records with ZIP code data only
Example: "90008"

d) Records with city data only
Example: "Culver City"

e) Records with city and ZIP code data only
Example: "Los Angeles, CA, 90016"

For records with any city and/or ZIP code data only, Abt SRBI used the ZIP code lists provided by LAC-DPH in order to code the record into the appropriate SPA, Health District, and BSC. The SPA and Health District coding were completed using the file "zipcodepoints_rev100114_SPAHD2012.xlsx". The BSC coding was done using "BSC zip codes 2014 ohae to Abt.xlsx" as the source file. The Excel files from LAC-DPH did not include ZIP code centroid points; therefore, no latitude and longitude were assigned to cases with ZIP code only or ZIP code and city name only.

For survey records provided with city name only, for example "Inglewood", DPH's ZIP code file (zipcodepoints_rev100114_SPAHD2012.xlsx) lists fourteen ZIP codes associated with "Inglewood", covering two different HD districts, and two different SPAs. LAC- DPH and Abt SRBI have agreed that Abt SRBI will send such cases to LAC-DPH, relying on their local expertise, for geocoding resolution.

f) Records without any address information at all
Example: "My house"

Records with no usable address information provided were flagged for random assignment. The process of random assignment was performed by LAC-DPH staff. After random assignment to a location, the Health Districts, SPA and BSC areas were assigned accordingly.

2) Geocoding Quality Review

After each data category was geocoded according to the methods detailed above, by Abt SRBI, a series of quality checks and manual geocoding were completed. The quality checks were as follows:

a) A comparison of the addresses provided in both the child and adult surveys, and in various points of the survey. These addresses were compared and reconciled, and the various addresses used in combination to improve overall geocoding quality. All similar

addresses for the same household were geocoded identically.

b) Comparisons were completed of the input address precision to the output geocoded address precision. Records of full complete addresses were geocoded to house number with full street address only.   Records with street name only were geocoded to street name centroids only. Records with ZIP code and/or city only were geocoded to ZIP code and/or city only.

c) A Bing Maps "flag" variable was added to the data set for all cases that utilized the Bing Maps locator.

d) Using ArcMap GIS software for visual inspection of the geocoded dataset, all geocoded address points were mapped and visualized for ZIP codes and city names and compared with the LA County ZIP code and city boundaries. Discrepancies between input ZIP code and/or city and output ZIP code and/or city were flagged. Locations geocoded outside of the LA County were flagged.

e) Cases geocoded via the software that, based on the reported street address or cross-street, are returned with an address containing a ZIP code different than the one provided by the respondent (i.e. input/output ZIP code) were flagged in the variable 'Input_Output_Zip'. These cases were not assigned X, Y coordinates. They were sent to LADPH for review and a determination of the appropriate coordinate assignment.

f) Cases with only a ZIP code, only a city, or only a ZIP code and a city were reviewed to ensure these variables are provided in geocoded data files provided to LAC-DPH.

g) All cases in need of manual geocoding were flagged as deemed appropriate and sent to LAC-DPH for review and determination of the best possible geocoding.

h) All records with no address data and any remaining ungeocoded records were randomly assigned ("hot deck" process, completed by LAC-DPH).

i) Final tabular checks were run on the final dataset, such as sorting by latitude and longitude coordinates to confirm correct data range. Geocoding precision of full street address, street number or ZIP code / city only were sorted, examined and compared to the input data. Matched addresses were compared to the original input addresses. A manual review of all records will occur outside of GIS software for data consistency.

3) Assignment of geocoded locations to areas
After all geocoding and quality reviews were completed, the assignment of the geocoded coordinates to the areas was completed. The following GIS files were used for assignment:

SPA 2012 *(downloaded 9/12/2014)*
http://egis3.lacounty.gov/dataportal/2012/03/01/service-planning-areas-spa-2012/

Health Districts 2012 *(downloaded 9/12/2014)*
http://egis3.lacounty.gov/dataportal/2012/03/01/health-districts-hd-2012/

First 5 LA County Best Start Communities BSC *(transferred to Abt SRBI via SFTP 10/3/2014)*
BSC zip codes 2014 ohae to Abt.xlsx

As noted previously, the final assignment process is dependent on the input address data type:

a) For full complete addresses (house number, street, city and ZIP code) geocoded using the CAMS Locator (as noted in section "1a"), the ESRI "Spatial Join" tool was used to assign the coordinates to the areas (Health Districts, SPA and BSC) by location.

b) For the street only addresses (as noted in section "1b"), the previously assigned coordinates from the Bing Maps API geocoder were examined for the street length and balanced between the tracts the street passes through within the ZIP code and city provided by the respondent. For example, if there were four Census Tracts that a street passes through in the given ZIP code and city, the case was randomly assigned to one of the four tracts and then assigned to the appropriate regional area (SPA, Health District, and BSC).

c) City and/or ZIP only data (as noted in sections "1c", "1d", and "1e") were assigned to SPA and Health District areas via the DPH's provided list of 539 zip codes in LA County. These cases were assigned to a BSC based on the 55 ZIP codes provided by DPH (BSC ZIP codes 2014 ohae to Abt.xlsx).

d) Records requiring DPH review were sent to LAC-DPH via secure FTP for geocoding. As the local experts, DPH determined the appropriate geocoding for each record and returned their geocoded data to Abt SRBI via the FTP site. These data were incorporated into the final LACHS data.

e) Ungeocoded records (as noted in section "1f") were randomly assigned, via developed "hot deck" procedures, and then coded, from the newly assigned coordinate locations, to the corresponding areas (Health Districts, SPA or BSC) of the new coordinates chosen.

The final geocoded file contained the following variables for all records:
- GEO_CITY (corrected city)
- GEO_ZIP (corrected ZIP code)
- GEO_STREET (corrected street data)
- GEO_PRECISION (level of geocoding)
- X (x-coordinate)
- Y (y-coordinate)
- CENTROID_FLAG (indicating coordinates based on zip code centroid)

- GEO_CT (census tract 2010)
- GEO_HD (Health District 2012, Numeric)
- GEO_HD_NAME (Health District 2012, Character)
- GEO_SPA (Service Planning Area 2012, Numeric)
- GEO_SPA_NAME (Service Planning Area 2012, Character)
- GEO_BSC (First 5 LA Best Start Community 2014, Numeric)
- GEO_BSC_NAME (First 5 LA Best Start Community 2014, Character)
- IMPUTATION_FLAG (indicating imputed HDs and SPAs via hot deck procedures)
- Bing_Maps_Flag (for cases that are coded via Bing Maps API – added for the 2014-15 LACHS)
- LA_County (Flag for cases that fall outside of LA County, a value of '1' indicated the case is not in Los Angeles County.)
- Input_Output_Zip (Flag for cases that are returned with a different output ZIP code than was input. A value of '1' indicated cases meeting this criteria.)

At the conclusion of Abt's geocoding, all records that were not geocoded or that were geocoded using Bing API were sent to LAC-DPH for review. LAC-DPH staff manually geocoded those records and assigned them, where possible to x,y coordinates and/or census tracts, and at least a minimum to appropriate Health Districts and Service Planning Areas (Appendix XX).

Summary of the Final Level of Geocoded Data

Categories	Overall		Adult Survey		Child Survey	
	N	%[a]	N	%[a]	N	%[a]
Total Records	12,544		8,056		6,030	
Outside of LA County	86		48		48	
Within LA County [b]	12,458		8,008		5,982	
Detailed Street Address or Cross-Streets [c]	7,262	58.3%	4,211	52.6%	4,388	68.6%
Street Name Only or Parallel Streets [c]	1,056	8.5%	684	8.5%	437	8.4%
City Only	53	0.4%	42	0.5%	13	0.2%
City & Zip Only [d]	4,021	32.3%	3,013	37.6%	1,134	22.7%
No Address Information	66	0.5%	58	0.7%	10	0.2%

[a] Among records within LA County.
[b] 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.
[c] Exact x,y coordinates were assigned.
[d] X,y coordinates of zip code centroids were assigned.

The collaborative geocoding effort between LAC-DPH and Abt SRBI produced the following results:

- In the adult survey, 61% were assigned x, y coordinates and census tracts.
- In the child survey, 81% were assigned x, y coordinates and census tracts.

VIII. 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. There are many ways to calculate a survey response rate, as surveys differ and there are alternative ways of thinking about and coding final dispositions.

The 2014-15 LACHS response rate calculations are based on the most current AAPOR Standard Definitions which were revised in April 2015[13].

Call Disposition Process

During data collection, each call is given a disposition that reflects the outcome of that call. Landline 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.). All calls to cell phones are dispositioned by interviewers. 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/resolved (e.g. non-working phones, hard refusals, ineligible phones, businesses, records that have reached their maximum number of call attempts).

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

- Completes/resolved (4) stay that way unless they are dialed again. If they are dialed again the priority level is reset. For example, sometimes records resolved as non-working or over maximum attempts are called again. This may be done in order to complete a few extra interviews without having to release fresh sample. The field duration of the survey, may make it reasonable to confirm records that were once non-working are still non-working.
- 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).

---

[13] http://www.aapor.org/AAPORKentico/AAPOR_Main/media/publications/Standard-Definitions2015_8theditionwithchanges_April2015_logo.pdf

- 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.

<u>Completes</u>

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).

<u>Partial Completes</u>

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. We developed criteria for Partials based on the definition used for the 2010-11 LACHS.

Adult Survey Criteria:

Cases with an answer to question "q38" ("During the PAST 12 MONTHS, have you had a regular seasonal flu shot or the flu mist that is sprayed in your nose?") 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 q38 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 (landline) or adult (cell phone) located in LA), but (2) terminated the interview before answering question q38 were classified as Break-Offs.

Child Survey Criteria:

Cases that (1) qualified for the survey (a household in LA County that has at least one child under 18 living there(landline) or an adult with at least 1 child (cell phone)), but (2) terminated the interview before answering question c53 were classified as Break-Offs.

LACHS Response Rate

Adult Survey

For the Adult Survey, the combined response rates are calculated based on the percentage of interviews completed from the landline and cell phone frames. For example, 65.6% of interviews were completed in the landline frame and 34.4% of the interviews were completed in the cell frame. Therefore, the combined response rate calculations are: $(RR_{LL}*.656) + (RR_{CP}*.344)$

LACHS Telephone Usage Weighting	
5,647	Landline interviews + Partials
2,990	Cell interviews + Partials
8,637	Total
0.65	Landline compositing factor
0.35	Cell compositing factor

Dispo - Response Rates

	Landline	Cell	Combined
RR1	9.62%	6.47%	**8.53%**
RR2	10.35%	7.02%	**9.20%**
RR3	16.97%	11.02%	**14.91%**
RR4	18.25%	11.95%	**16.07%**
Cooperation Rate 1	19.59%	15.90%	**18.31%**
Cooperation Rate 2	21.07%	17.24%	**19.74%**
Cooperation Rate 3	65.35%	75.67%	**68.92%**
Cooperation Rate 4	70.29%	82.03%	**74.35%**

Child Survey

For the Child Survey, the combined response rates are calculated as a simple weighted average, summing the proportion of interviews from each sample source by the response rate from that source.

Therefore,

Combined response rate = (RR$_{LL}$*.138) + (RR$_{LL\text{-supp}}$*.488) + (RR$_{CP}$*.114) + (RR$_{CP\text{-supp}}$*.260)

Dispo - Response Rates

Response rates for the Landline and Supplement versions are weighted by the percentage of Child interviews completed in each version.

	Landline	LL Supp	Cell	Cell Supp	Total
# of interviews/partials	842	2979	696	1589	**6106**
% of interviews/partials	14%	49%	11%	26%	**100%**
	Landline	LL Supp	Cell	Cell Supp	Combined
Response Rate 1	6.51%	3.92%	4.24%	3.34%	**4.16%**
Response Rate 2	7.00%	4.01%	4.60%	3.44%	**4.34%**
Response Rate 3	11.49%	22.33%	7.22%	10.81%	**16.11%**
Response Rate 4	12.36%	22.89%	7.83%	11.13%	**16.66%**
Cooperation Rate 1	77.24%	26.70%	73.91%	15.27%	**36.08%**
Cooperation Rate 2	77.60%	27.37%	74.12%	15.72%	**36.59%**
Cooperation Rate 3	77.24%	72.87%	74.07%	72.08%	**73.40%**
Cooperation Rate 4	77.60%	74.70%	74.28%	74.18%	**74.92%**

Adult Survey Response Rates

		Landline	**Cell**
Interview (Category 1)			
Complete	1.000	5,250	2,758
Partial	1.200	397	232
Eligible non-interview (Category 2)			
Refusal and break-off	2.100	467	169

Refusal	2.110	1,228	91
Break-off	2.120	692	395
Respondent never available	2.210	247	124
Physically or mentally unable/incompetent	2.320	739	243
Household-level language problem	2.331	59	8
Unknown eligibility, non-interview (Category 3)			
Always busy	3.120	1,226	1,033
No answer	3.130	15,823	2,916
Telephone answering device	3.140	9,858	15,988
Call blocking	3.150	99	164
Technical Phone Problems	3.160	2	0
Housing unit, Unknown if eligible respondent	3.200	151	44
No Screener Completed	3.210	18,101	17,079
Other	3.900	231	2
Not eligible (Category 4)			
Screen-outs	4.100	259	1,504
Fax/data line	4.200	8,520	95
Non-working/disconnect	4.300	140,852	17,097
Temporarily out of service	4.330	179	1,127
Business, government office, other organizations	4.510	10,558	2,346
No eligible respondent (Child/teen phone)	4.700	93	1,776
Other	4.900	0	86
Total phone numbers used		**215,031**	**65,277**
Completes (1.0)	I	5,250	2,758
Partial Interviews (1.2)	P	397	232
Refusal and break-off (2.1)	R	2,387	655
Non Contact (2.2)	NC	247	124
Other (2.3)	O	798	251
Unknown household (3.12-3.16) - No Contact Made	UH	27,008	20,101
Unknown household (3.20-3.9) - Contact Made	UO	18,483	18,483
Not Eligible: Nonworking, Nonresidential, or Ported (4.2-4.9)	NWC	160,202	22,527
Screen Out: Working and Residential but Not Eligible (4.1)	SO	259	1,504
e1=(I+P+R+NC+O)/(I+P+R+NC+O+SO)		97.2%	72.8%
e2=(I+P+R+NC+O+UO+SO)/(I+P+R+NC+O+UO+SO+NWC)		14.8%	51.6%
AAPOR RR1 =I/(I+P+R+NC+O+UH+UO)		9.6%	6.5%
AAPOR RR2 =(I+P)/(I+P+R+NC+O+UH+UO)		10.3%	7.0%
AAPOR RR3 = I / (I+P+R+NC+O+[e1*e2*UH]+[e1*(UO)])		17.0%	11.0%
AAPOR RR4 = (I+P) / (I+P+R+NC+O+[e1*e2*UH]+[e1*(UO)])		18.3%	12.0%
AAPOR COOP1 = I / (I+P+R+O+[e1*UO])		19.6%	15.9%
AAPOR COOP2 = (I+P) / (I+P+R+O+[e1*UO])		21.1%	17.2%
AAPOR COOP3 = I/((I+P)+R))		65.3%	75.7%
AAPOR COOP4 = (I+P)/((I+P)+R))		70.3%	82.0%
AAPOR CON1 = (I+P)+R+O / (I+P+R+O+NC+UH+UO)		16.2%	9.1%
AAPOR CON2 = (I+P+R+O+[e1*UO]) / (I+P+R+NC+O+[e1*e2*UH]+[e1*(UO)])		87.3%	69.7%
AAPOR CON3 = (I+P)+R+O / (I+P)+R+O+NC		97.3%	96.9%
AAPOR RefRate1 = R/((I+P+(R+NC+O+UH+UO))		4.4%	1.5%
AAPOR RefRate2 = R/((I+P+R+NC+O+[e1*e2*UH]+[e1*(UO)])		7.7%	2.6%
AAPOR RefRate3 = R/((I+P)+(R+NC+O))		26.3%	16.3%

Child Survey Response Rates

		Adult Continuation		Child Supplement	
		Landline	**Cell**	**Landline Supplement**	**Cell Supplement**
Interview (Category 1)					
Complete	1.000	838	694	2,906	1,544
Partial	1.200	4	2	73	45
Eligible non-interview (Category 2)					
Refusal and break-off	2.100	169	128	201	118
Refusal	2.110	0	0	618	301
Break-off	2.120	74	113	190	134
Respondent never available	2.210	1	0	409	295
Physically or mentally unable/incompetent	2.320	0	2	778	315
Household-level language problem	2.331	0	0	35	11
Unknown eligibility, non-interview (Category 3)					
Always busy	3.120	0	0	1,843	1,229
No answer	3.130	0	0	29,352	3,216
Telephone answering device	3.140	0	0	14,464	16,886
Call blocking	3.150	0	0	174	261
Technical Phone Problems	3.160	0	0	1	0
Housing unit, Unknown if eligible respondent	3.200	0	0	179	54
No Screener Completed	3.210	0	0	22,574	21,785
Other	3.900	0	0	407	3
Not eligible (Category 4)					
Screen-outs	4.100	0	119	14,626	5,136
Fax/data line	4.200	145	0	13,304	149
Non-working/disconnect	4.300	13	5	226,998	21,337
Temporarily out of service	4.330	0	0	281	1,453
Business, government office, other organizations	4.510	0	0	16,531	3,217
No eligible respondent (Child/Teen phone)	4.700	0	0	223	1,952
Other	4.900	0	0	1	131
Total phone numbers used		**1,244**	**1,063**	**346,168**	**79,572**
Completes (1.0)	I	838	694	2,906	1,544
Partial Interviews (1.2)	P	4	2	73	45
Refusal and break-off (2.1)	R	243	241	1,009	553
Non Contact (2.2)	NC	1	0	409	295
Other (2.3)	O	0	2	813	326
Unknown household (3.12-3.16) - No Contact Made	UH	0	0	45,834	21,592
Unknown household (3.20-3.9) - Contact Made	UO	0	0	23,160	21,842
Not Eligible: Nonworking, Nonresidential, or Ported (4.2-4.9)	NWC	158	5	257,338	28,239
Screen Out: Working and Residential but Not Eligible (4.1)	SO	0	119	14,626	5,136
e1=(I+P+R+NC+O)/(I+P+R+NC+O+SO)		100.0%	88.8%	26.3%	35.0%
e2=(I+P+R+NC+O+UO+SO)/(I+P+R+NC+O+UO+SO+NWC)		87.3%	99.5%	14.3%	51.3%
AAPOR RR1 =I/(I+P+R+NC+O+UH+UO)		77.2%	73.9%	3.9%	3.3%
AAPOR RR2 =(I+P)/(I+P+R+NC+O+UH+UO)		77.5%	74.1%	4.0%	3.4%
AAPOR RR3 = I / (I+P+R+NC+O+[e1*e2*UH]+[e1*(UO)])		77.2%	73.9%	22.3%	10.8%
AAPOR RR4 =(I+P) / (I+P+R+NC+O+[e1*e2*UH]+[e1*(UO)])		77.5%	74.1%	22.9%	11.1%
AAPOR COOP1 = I / (I+P+R+O+[e1*UO])		77.2%	73.9%	26.7%	15.3%
AAPOR COOP2 = (I+P) / (I+P+R+O+[e1*UO])		77.6%	74.1%	27.4%	15.7%
AAPOR COOP3 = I/((I+P)+R))		77.2%	74.1%	72.9%	72.1%
AAPOR COOP4 = (I+P)/((I+P)+R))		77.6%	74.3%	74.7%	74.2%
AAPOR CON1 = (I+P)+R+O / (I+P+R+O+NC+UH+UO)		99.9%	100.0%	6.5%	5.3%
AAPOR CON2 = (I+P+R+O+[e1*UO]) / (I+P+R+NC+O+[e1*e2*UH]+[e1*(UO)])		100.0%	100.0%	86.3%	72.3%

	Adult Continuation		Child Supplement	
	Landline	Cell	Landline Supplement	Cell Supplement
AAPOR CON3 = (I+P)+R+O / (I+P)+R+O+NC	99.9%	100.0%	92.1%	89.3%
AAPOR RefRate1 = R/((I+P+(R+NC+O+UH+UO))	22.4%	25.7%	1.4%	1.2%
AAPOR RefRate2 = R/((I+P+R+NC+O+[e1*e2*UH]+[e1*(UO)])	22.4%	25.7%	7.8%	3.9%
AAPOR RefRate3 = R/((I+P)+(R+NC+O))	22.4%	25.7%	19.4%	20.0%
LACHS Adult Survey Response Rates				
Response Rate 1 = I/(I+P) + (R+NC+O) + (UH+UO)	9.62%	6.47%		
Response Rate 2 = (I+P)/(I+P) + (R+NC+O) + (UH+UO)	10.35%	7.02%		
Response Rate 3 = I/((I+P) + (R+NC+O) + e(UH+UO))	16.97%	11.02%		
Response Rate 4 = (I+P)/((I+P) + (R+NC+O) + e(UH+UO))	18.25%	11.95%		
Adult Survey Child Continuation Survey Participation Rate:	67.68%	65.48%		
Two-Stage Response Rates for Child Survey				
Child Continuation Response Rate 1 = Adult RR1 * Participation Rate	6.51%	4.24%		
Child Continuation Response Rate 2 = Adult RR2 * Participation Rate	7.00%	4.60%		
Child Continuation Response Rate 3 = Adult RR3 * Participation Rate	11.49%	7.22%		
Child Continuation Response Rate 4 = Adult RR4 * Participation Rate	12.36%	7.83%		

IX. Statistical Weighting

Survey Weights Overview

A total of 16 population weights (i.e., weights that sum to the appropriate population total) were calculated for the Adult and Child Surveys, including:

- 1 Adult population weight
- 9 Adult subsample population weights (one for each of the 8 subsamples, and one for subsamples 3 and 5 combined)
- 1 Adult household weight
- 2 Adult subsample household weight (for subsamples 5 and 6 that were asked questions about the household)
- 1 Child population weight
- 1 Child household weight
- 1 Child population weight for children age 0-5 years 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 detailed description of the process used for each weight is provided in the following sections.

Weights that sum to the appropriate sample size were also provided, resulting in a total of 32 weight variables being produced. Weights and the related variables used in the raking process were sent to LAC-DPH 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. It 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. Raking usually proceeds with 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 non-coverage. 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 × gender × race × 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 × gender × 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.

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. The weighted column totals of the adjusted data now 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).

Additional Variables Used in Weighting

Several variables were recoded/created by LAC-DPH for use in the weighting process.

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=NHOPI (assigned if Native Hawaiian/Pacific Islander reported at all)
5=Asian (assigned if Asian reported at all)
6=American Indian/Alaskan Native (assigned if only American Indian/Alaskan Native was reported)
8=White/American Indian (all remaining cases, which are White/American Indian)
9=Do not know/Refused

Cases with a value of 8 were randomly assigned to White or to American Indian/Alaskan Native. Cases with a value of 9 were imputed by Abt SRBI using the weighted sequential hot deck method. This is the variable I_RACE_R for adults and I_CRACE_R for children.

Age
In the Adult data, LAC-DPH hot decked respondents who refused to report a specific age group (N=17) into one of the 7 age groups. This is the variable AGEGROUP. For the child data the variable is CAGEGROUP (and not hot decking was necessary due to the design of the Child survey).

Education
LAC-DPH generally collapses the education question from 6 to 4 levels, so this variable with collapsed categories (EDU) was provided in the Adult data. Missing values were imputed using the weighted sequential hot deck method. This is the variable I_EDU.

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

Health District & SPA
LAC-DPH provided a file classifying each Adult and Child interview case by Health District (GEO_HD for Adult and HD_2012 for Child)) and SPA (GEO_SPA for Adult and SPA_2012 for Child).

First 5 LA Best Start Communities
After geocoding was completed, LAC-DPH also identified the Child Survey complete cases age 0-5 years that were in one of the 14 First 5 LA Best Start Communities, which are defined by 383 census tracts (n=700). The variable BSC indicates in which of the 14 BSC communities the respondent lives and the variable FLAG_BSC_AGE0TO5 = 1 identifies the 700 children age 0-5 years.

Telephone Service
This 4-category variable (TELEPHONE_SERVICE6C) was created for the Adult data and Child data:
1 = cell only
2 = landline only
3 = dual user, cell mostly
4 = dual user, not cell mostly

LAC-DPH also provided the following population control totals for use in weighting:

1. **Final LAC ESTIMATES FOR LACHS 2011_update0615_Final**: Contains the total 2014 population, the total adult population, and the total child population 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. These were ssed to calculate population weights for the Adult and Child Surveys.

2. **Households and HHs with children by Health District, SPA, County Total**: 2009-2013 American Community Survey count of households and households containing at least one child by SPA and Health District in Los Angeles County. These were used to calculate the Adult and Child household weights.

3. **BSC ESTIMATES FOR LACHS 2012_update0615_Final**: Contains the 2014 total child population within the First 5 LA Best Start Communities. Totals are provided for race/ethnicity as well as for gender. The child population in each of the 14 BSCs is also provided. These were used to calculate the Child population First 5 LA BSC weights.

Adult Survey Weights

The weighting procedures for the 2014-15 LACHS closely followed the weighting procedures used for the 2010-2011 LACHS. 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. The final aspect of the composite weights calculation involved combining dual user (landline and cell phone service) adults from the landline and cell phone samples.

Population control totals come from July 1, 2014, Population Estimated Projects (PEPs) for Los Angeles County (provided by LAC-DPH), and the 2009-2013 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 8,008 completed adult interviews sums to 7,727,800 adults residing in households in Los Angeles County. This population total comes from the July 1, 2014, PEPs. The *ADULT_SAMP_WT* was scaled to the sample size of 8,008 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 divided into two strata, and a landline sample that was divided into three strata. The base sampling weight for the cell phone sample equals the population count of cell phone telephone numbers in the stratum divided by the sample size of cell phone numbers released for interviewer dialing for that stratum. 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. The base sampling weights are shown in Table 4.

Table 4. Adult Survey Base Sampling Weights

FPROJ	*NOSTRATA*	Total Sample Size of Telephone Numbers	Population Count of Telephone Numbers	*BSW*
30082l	3	19,624	181,300	9.238687
30082l	4	169,407	8,068,900	47.63026
30082l	5	32,446	736,900	22.71158
30082c	6	7,672	463,600	60.42753

30082c	7	57,605	14,410,400	250.1588

One adult was randomly sampled from each landline sample household. For the landline sample households (*SURVEYFRAME* = 2): *BSW_NUM_ADULT* = *BSW* times the number of adult in the household (*S3* 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 (*SURVEYFRAME* = 1): *BSW_NUM_ADULT* = *BSW*.

Before calculating the composite weight, it was necessary to create variables related to the type of telephone service for the adult in the household. These variables are documented in Appendix III-A and Appendix III-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 (λ) for the cell mostly and not cell mostly groups. For each group the two compositing factors sum to 1.0 (i.e., λ + (1- λ) = 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 *BSW_NUM_ADULT*. The CV was then used to calculate the design effect due to unequal weighting:

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

The effective sample size 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 = Category 3 Effective Sample Size / Sum of Category 3 and 5 Effective sample Sizes.

Category 5 COMPOSITING_FACTOR = Category 5 Effective Sample Size / Sum of Category 3 and 5 Effective sample Sizes.

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

Category 4 COMPOSITING_FACTOR = Category 4 Effective Sample Size / Sum of Category 4 and 6 Effective sample Sizes.

Category 6 COMPOSITING_FACTOR = Category 6 Effective Sample Size / Sum of Category 4 and 6 Effective sample Sizes.

TELEPHONE_SERVIVE6C	Number of Interviews	COMPOSITING FACTOR
3 (Cell mostly, dual user, landline sample)	1,090	0.613
4 (Not cell mostly, dual user, landline sample)	3,015	0.822
5 (Cell mostly, dual user, cell sample)	578	0.387
6 (Not cell mostly, dual user, cell sample)	600	0.178

For *TELEPHONE_SERVICE6* categories 3, 4, 5, and 6:

COMPOSITE_WT = BSW_NUM_ADULT x COMPOSITING FACTOR.

For *TELEPHONE_SERVICE6* categories 1 and 2, *COMPOSITE_WT = BSW_NUM_ADULT*.

Raking To Population Control Totals

Imputation for Item Nonresponse

Raking population control totals are not subject to missing data, however the corresponding survey variables may have missing values due to item nonresponse. The SAS weighted sequential hot deck procedure was therefore used to impute missing values for weighting variables before continuing the weight calculations. Before implementing the hot deck imputation 87 adults with a *RACE* value of 8 (white and American Indian) were imputed with equal probability to either white alone or American Indian alone. The resulting variable is *RACE_R*.

The following weighting variables were imputed:

- *EDU* (Education)
- *RACE_R* (Race/ethnicity)
- *Q64* (Nativity)
- *Q64C* (Citizenship)
- *Q75* (Marital status)
- *Q79* (Tenure status)

The hot deck imputation cells were defined using *GEO_SPA* by *AGEGROUP* (with categories 2 and 3 combined, and categories 4, 5, 6 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 initial raking variables in the interview data set.

TELEPHONE_SERVICE6C was created from *TELEPHONE_SERVICE6*

TELEPHONE_SERVICE6	*TELEPHONE_SERVICE6C*
• 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_HD_R
- Renumber GEO_HD from 1 to 26 because the control totals are numbered that way.

GEO_SPA_ I_RACE_R
- *GEO_SPA* has 8 categories and *I_RACE_R* (defined below has) 6 categories (8 x 6 = 48 cells).

GEO_SPA_ GENDER_AGEGROUP
- *GEO_SPA* has 8 categories and *GENDER_AGEGROUP* (defined below) has 14 categories (8 x 14 = 112 cells).

HOUDEPT_R
- *0*
- *1*
- *2*
- *3+*

HOUADULT_R
- *1*
- *2*
- *3*
- *4+*

I_Q64_R
- *1, 2*   *1 Born in US*
- *3*   *2 Born Outside US*

I_Q64C
- *1 U.S. citizen*
- *2 not U.S. citizen*

I_Q79_R
- *2*   *1 Own*
- *1, 3, 4*   *2 Rent*

I_Q75_R
- *1*   *1 Married*
- *2, 3, 7*   *2 Never married, living together, domestic partners*
- *4*   *3 Widowed*
- *5, 6*   *4 Divorced, separated*

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

I_RACE_R
- *1 Latino*
- *2 White alone, not Latino*
- *3 Black alone, not Latino*
- *4 Asian alone, not Latino*
- *5 NHOPI alone, not Latino*
- *6 American Indian alone, not Latino*

GENDER_AGEGROUP
AGEGROUP (7 categories) by *Q5* (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_R*),
5) Number of adults in the household (*HOUADULT_R*),
6) Number of children in the household (*HOUDEPT_R*),
7) Citizenship status (*I_Q64C*),
8) Nativity (*I_Q64_R*),
9) Tenure status (*I_Q79_R*),
10) Marital status (*I_Q75_R*),
11) Education (*I_EDU*),
12) Race/ethnicity (*I_RACE_R*), 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 III-C shows 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 2009-2013 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 July 1, 2014, PEPs.

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 (2013). The NCHS estimates are for January – December 2012. The cell phone only adult population has increased each year. We used NCHS (2015) estimates for 2012 and 2014 of the increase in cell only adults in the West Census Region to increase the percent of adults that are cell only in Los Angeles County by a factor of 1.0823 (i.e., an 8.23 percent increase), and reduced the other three telephone service groups so that the percentages 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
Los Angeles County	34.91%	7.41%	22.62%	35.06%

The IGCV SAS raking macro (Izrael et al. 2009) was used to 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 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 0.05 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 D (see Weighted Distribution After Raking). **The final raked weight for use in estimation is _ADULT_POP_WT_. The final weight for the 8,008 completed adult interviews sums to 7,727,800 adults residing in households in Los Angeles County. This population total comes from the July 1, 2014 PEPs. The _ADULT_SAMP_WT_ was scaled to the sample size of 8,008 interviews.**

2014-15 LACHS Adult Subsamples

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

Subsample (*SUBSAMP*)	Number of Interviews
1	1002
2	999
3	1000
4	996
5	998
6	1003
7	997
8	1013

Population weights were developed for each of the eight subsamples and subsamples 3 and 5 combined:

ADULT_POP_WT_SBSMP_1
ADULT_POP_WT_SBSMP_2
ADULT_POP_WT_SBSMP_3
ADULT_POP_WT_SBSMP_4
ADULT_POP_WT_SBSMP_5
ADULT_POP_WT_SBSMP_6
ADULT_POP_WT_SBSMP_7
ADULT_POP_WT_SBSMP_8
ADULT_POP_WT_SBSMP_35

Sample weights were also developed:

ADULT_SAMP_WT_SBSMP_1
ADULT_SAMP_WT_SBSMP_2
ADULT_SAMP_WT_SBSMP_3
ADULT_SAMP_WT_SBSMP_4
ADULT_SAMP_WT_SBSMP_5
ADULT_SAMP_WT_SBSMP_6
ADULT_SAMP_WT_SBSMP_7
ADULT_SAMP_WT_SBSMP_8
ADULT_SAMP_WT_SBSMP_35

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.

A key aspect of the raking of each sample was a determination of the collapsing of small sample size categories. We implemented the cell collapsing by first examining the sample sizes by subsample for each raking variable (see Appendix III-E). We felt that using one set of cell collapsing rules for all subsamples would allow for the consistent weighting of each subsample. Appendix III-F shows the collapsed categories used in all of the subsamples.

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 III-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 <u>Appendix III-G</u> (see Weighted Distribution After Raking). The raking results for the other 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 weighting procedures for the 2014-15 survey closely followed the weighting procedures used for the 2010-2011 survey. 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 number of adult cell phone telephone numbers associated with the household, and for the random sampling of a child from each household. 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 2014 PEPs and the 2009-2013 American Community Survey PUMS 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 5,982 completed child interviews sums to 2,341,236 children in Los Angeles County. This population total comes from 2014 PEPs. The CHILD_*SAMP_WT* was scaled to the sample size of 5,982 child interviews.

Note: SAS weighting variables are shown in italics (e.g., *CHILD_POP_WT*).

Composite Weight

Base Sampling Weight

As discussed above the sample design contains three cell phone samples (*FPROJ* = 30082c, 30082sc, and 30082tc). All three cell phone samples were stratified. There are also three landline samples (*FPROJ* = 30082l, 30082sc, and 30082tc). All three landline samples were also stratified. The preliminary base sampling weight (*CHILD_BSW_PRELIM*) for each cell phone sample equals the population count of cell phone telephone numbers in a stratum divided by the sample size of cell phone numbers in that stratum released for interviewer dialing. Because three cell phone samples were drawn, the base sampling weights were divided by three to from the final base sampling weight (*CHILD_BSW*). The preliminary base sampling weight (*CHILD_BSW_PRELIM*) for each landline sample equals the population count of landline phone telephone numbers in a stratum divided by the sample size of landline phone numbers in that stratum released for interviewer dialing. Because three landline samples were drawn, the base sampling weights were divided by three to from the final base sampling weight (*CHILD_BSW*).

Table 5. Child Survey Base Sampling Weights

FPROJ	*NOSTRATA*	Total Sample Size of Telephone Numbers	Population Count of Telephone Numbers	*CHILD_BSW_PRELIM*	*CHILD_BSW*
30082c	6	7672	463600	60.4275	20.1425
30082c	7	57605	14410400	250.1588	83.3863
30082l	3	19624	181300	9.2387	3.0796
30082l	4	169407	8068900	47.6303	15.8768
30082l	5	32446	736900	22.7116	7.5705
30082sc	6	834	463600	555.8753	185.2918
30082sc	7	24154	14410400	596.6051	198.8684
30082sl	8	2198	181300	82.4841	27.4947
30082sl	9	9424	775300	82.2687	27.4229
30082sl	10	9007	736900	81.8141	27.2714
30082sl	11	44792	4451300	99.3771	33.1257
30082sl	12	6092	514000	84.3729	28.1243
30082sl	13	10764	893500	83.0082	27.6694
30082sl	14	17408	1434800	82.4219	27.4740
30082tc	15	29890	463600	15.5102	5.1701
30082tc	16	24694	14410400	583.5588	194.5196

30082tl	8	37965	181300	4.7755	1.5918
30082tl	9	56111	775300	13.8173	4.6058
30082tl	10	82129	736900	8.9725	2.9908
30082tl	11	21940	4451300	202.8851	67.6284
30082tl	12	9940	514000	51.7103	17.2368
30082tl	13	17470	893500	51.1448	17.0483
30082tl	14	20928	1434800	68.5589	22.8530

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 household containing three adult working cell phones had a higher probability of selection than a child living in a cell phone household with one adult working cell phone. To adjust for the unequal probabilities of selection we divided the base sampling weight by the number of adult cell phone in the household[14]:

If *I_c78b_cleaned* > 0, *CHILD_NUM_CELL* = *CHILD_BSW* / *I_c78b_cleaned*.
Else, *CHILD_NUM_CELL* = *CHILD_BSW*.

It was necessary to impute 46 children with a DK or REFUSED value on *c78b_cleaned* and 222 children for whom question c78b was not asked. The imputation of these 268 children with missing values was implemented using a SAS weighted sequential hot deck macro. The hot deck imputation cells were formed using *SURVEYFRAME* and *C78*.

One child was randomly sampled from each sample household. For most household one child age 0-17 years was randomly selected. For a portion of the sample located in ZIP codes overlapping with BSC areas (*BSC_Mike* = 1) a child age 0-5 was randomly selected even if the household also contained children age 6-17 years. This oversampling of children age 0-5 was implemented to help ensure that the overall target of BSC interviews for children age 0-5 years was met. This oversampling was accounted for in this weighting step using the following steps:

If *BSC_Mike* equals (0, 8 or 9), *CHILD_NUM_PRELIM_WT* = *CHILD_NUM_CELL* x totchild_r, where *totchild* values greater than 4 were recoded to 4.

If *BSC_Mike* = 1 and *sc2_3* > 0, *CHILD_NUM_PRELIM_WT* = *CHILD_NUM_CELL* x sc2_3_r, where *sc2_3* values greater than 3 were recoded to 3.

If *BSC_Mike* = 1 and *sc2_3* = 0, *CHILD_NUM_PRELIM_WT* = *CHILD_NUM_CELL* x (sc2_1_r + sc2_2_r), where *sc2_1* values greater than 3 were recoded to 3, and *sc2_2* values greater than 3 were be recoded to 3.

---

[14] Before adjusting the base sampling weight for the number of working cell phones used by adults in the household, it was necessary to create variables related to the presence of a landline telephone in the household, cell mostly status, and type of telephone service in the household. These variables are documented in Appendix III-H and Appendix III-I.

We then used the age distribution of sample children in BSC ZIP codes prior to the oversampling of children age 0-5 years (*BSC_Mike* = 9) to adjust the age distribution of sample children in BSC ZIP codes after the oversampling of children age 0-5 years was implemented (*BSC_Mike* = 1).

If *BSC_Mike* = 1 and *CAGEGROUP* = 1 *CHILD_NUM_WT* = *CHILD_NUM_PRELIM_WT* x 0.7258.

If *BSC_Mike* = 1 and *CAGEGROUP* = 2 *CHILD_NUM_WT* = *CHILD_NUM_PRELIM_WT* x 1.8222.

If *BSC_Mike* = 1 and *CAGEGROUP* = 3 *CHILD_NUM_WT* = *CHILD_NUM_PRELIM_WT* x 0.7337.

Else, *CHILD_NUM_WT* = *CHILD_NUM_PRELIM_WT*.

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 (λ) 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 *CHILD_NUM_WT*. The CV was then used to calculate the design effect due to unequal weighting:

Deff = $1 + CV^2$.

The effective sample size 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 = Category 3 Effective Sample Size / Sum of Category 3 and 5 Effective sample Sizes.

Category 5 Compositing Factor = Category 5 Effective Sample Size / Sum of Category 3 and 5 Effective sample Sizes.

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

Category 4 Compositing Factor = Category 4 Effective Sample Size / Sum of Category 4 and 6 Effective sample Sizes.

Category 6 Compositing Factor = Category 6 Effective Sample Size / Sum of Category 4 and 6 Effective sample Sizes.

TELEPHONE_SERVIVE6C	Number of Interviews	Compositing Factor
3 (Cell mostly, dual user, landline sample)	1,227	0.654
4 (Not cell mostly, dual user, landline sample)	2,159	0.839
5 (Cell mostly, dual user, cell sample)	488	0.346
6 (Not cell mostly, dual user, cell sample)	395	0.161

For *TELEPHONE_SERVICE6* categories 3, 4, 5, and 6:

CHILD_COMPOSITE_WT = CHILD_NUM_WT x Compositing Factor.

For *TELEPHONE_SERVICE6* categories 1 and 2, *CHILD_COMPOSITE_WT = CHILD_NUM_WT*.

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 SAS weighted sequential hot deck macro procedure was therefore used to impute missing values for weighting variables before continuing the weight calculations. Before implementing the hot deck imputation 25 children with a *CRACE* value of 8 (white and American Indian) were imputed with equal probability to either white alone or American Indian alone. The resulting variable is *CRACE_R*. The following weighting variables were then imputed:

- *CRACE_R* (Race/ethnicity)
- *C65_R* (Nativity)

The hot deck imputation cells were defined using *SPA_2012* by C*AGEGROUP* (0-5, 6-11, 12-17 years). The weighted sequential hot deck weight variable is *CHILD_COMPOSITE_WT*. 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 was created from *TELEPHONE_SERVICE6*

TELEPHONE_SERVICE6	*TELEPHONE_SERVICE6C*
• 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

HD_2012_R
- HD_2012 renumbered from 1 to 26 because the control totals are numbered that way.

SPA_2012_ I_CRACE_R
- *SPA_2012* has 8 categories and *I_CRACE_R* defined below has 6 categories (8 x 6 = 48 cells).

SPA_2012_GENDER_CAGEGROUP
- *SPA_2012 has 8 categories and GENDER_CAGEGROUP defined below has 6 categories (8 x 6 = 48 cells).*

CHOUDEPT_R
- *1*
- *2*
- *3*
- *4*
- *5+*

CHOUADULT_R
- *1*
- *2*
- *3*
- *4*
- *5+*

I_C65_R
- *1, 2   1 Born in US*
- *3   2 Born Outside US*

I_CRACE_R
- *1 Latino*
- *2 White nonHispanic*
- *3 Black nonHispanic*
- *4 Asian nonHispanic*
- *5 NHOPI nonHispanic*

- *6 American Indian nonHispanic*

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

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

Raking Implementation

The *CHILD_COMPOSITE_WT* was raked to population control totals for 9 margins:

1) Telephone service group (*TELEPHONE_SERVICE6C*),
2) SPA by Race/ethnicity (*SPA_2012_ I_CRACE_R2*),
3) SPA by gender by age (*SPA_2012_GENDER_CAGEGROUP*),
4) Health District (*HD_2012_R*),
5) Number of children in the household (*CHOUDEPT_R*),
6) Number of adults in the household (*CHOUADULT_R*),
7) Nativity (*I_C65_R*),
8) Race/ethnicity (*I_CRACE_R*), and
9) Gender by age (*GENDER_CAGEGROUP*).

The telephone service variable (*TELEPHONE_SERVICE6C*) used in the raking consists of four categories:

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

It was necessary to do a limited amount of 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, except for race/ethnicity where the NHOPI sample size is 18, in order to separately represent all 6 race/ethnicity groups. Appendix III-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 2009-2013 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 2014 PEPs.

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 (2013). The NCHS estimates are for January – December 2012. The percent of children living in cell phone only households has increased over time. We used NCHS (2015) annual cell-only estimates for the West Census Region to increase the percent of children that live in cell-only households in Los Angeles County by a factor of 1.131 (i.e., an 13.1 percent increase), and reduced the other three telephone service groups so that the percents summed to 100%.

TELEPHONE_SERVICE6_CHILD	1	2	3, 5	4, 6
TELEPHONE_SERVICE6C_CHILD	1	2	3	4
	Cell-only	Landline-Only	Dual user, cell mostly	Dual user, not cell mostly
Los Angeles County	42.22%	6.10%	22.89%	28.80%

The IGCV SAS raking macro (Izrael et al. 2009) 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 III-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 0.05 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 = 6.0	/* weight will be decreased to individual weight times A */
B = 0.167	/* weight will be increased to individual weight times B */
C = 11.0	/* weight will be decreased to mean weight times C */
D = 0.091	/* weight will be increased to mean weight times D */

The raking output is shown in Appendix III-K (see Weighted Distribution After Raking). **The final raked weight for use in estimation is *CHILD_POP_WT*. The final weight for the 5,982 completed child interviews sums to 2,341,236 children in Los Angeles County. This population total comes from 2014 population estimates. The CHILD_*SAMP_WT* was scaled to the sample size of 5,982 child interviews.**

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 weighting procedures for the 2014-2015 LACHS closely followed the weighting procedures used for the 2010-2011 LACHS. 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 2009-2013 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 *ADULT_HH_POP_WT*. The final weight for the 8,008 completed interviews sums to 3,269,112 households in Los Angeles County. This household total comes from the 2014 American Community Survey. The *ADULT_HH_SAMP_WT* was scaled to the sample size of 8,008 interviews.

Note: SAS weighting variables are shown in italics (e.g., *ADULT_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* with the maximum number of adults in the household capped at 4). Dividing the 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_R*).

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*),
2) Number of adults in the household (*HOUADULT_R*),
3) Number of children in the household (*HOUDEPT_R*),
4) Tenure status (*I_Q79_R*),
5) Health District (*GEO_HD_R*), and
6) SPA (*GEO_SPA*).

The control totals for the number of adults in the household, number of children in the household, and tenure status were obtained from the 2009-2013 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 2009-2013 American Community Survey tabulations. No category collapsing due to cell samples sizes less than 20 interviews was required.

The telephone service variable (*TELEPHONE_SERVICE6C*) used in the raking consists of four categories:

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

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.

TELEPHONE_SERVICE6C	1	2	3	4
	Cell-only	Landline-Only	Dual user, cell mostly	Dual user, not cell mostly
Los Angeles County	34.910%	7.41%	22.62%	35.06%

The IGCV SAS raking macro (Izrael et al. 2009) 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 III-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 0.05 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 III-L (see Weighted Distribution After Raking). **The final raked weight for use in estimation is *ADULT_HH_POP_WT*. The final weight for the 8,008 completed interviews sums to 3,269,112 households in Los Angeles County. The *ADULT_HH_SAMP_WT* was scaled to the sample size of 8,008 interviews.**

Household Weights for Subsamples 5 and 6 Combined

Subsamples (*SBSMP*) 5 and 6 also included household questions and household weights were therefore calculated for these two subsamples combined. The sample size for these two subsamples

combined is 2,001 (SBSMP_56 = 1 identifies adults in the two subsamples). Each household already had an initial household weight (*HH_WT_2*) and this was used as the raking input weight.

The IGCV SAS raking macro (Izrael et al. 2009) 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 III-M (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 0.05 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 III-M (see Weighted Distribution After Raking).

The household population weight is ADULT_HH_POP_WT_SBSMP_56. It sums to 3,269,112 households in Los Angeles County. The household sample weight is ADULT_HH_SAMP_WT_SBSMP_56. It sums to 2,001 interviews.

Child Household Weights

The weighting methodology for the combined landline and cell phones 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 weighting procedures for the 2014-2015 LACHS closely followed the weighting procedures used for the 2010-2011 LACHS. The development of the initial household weight involved dividing the final child population weight by the number of age-eligible children in the household at the point of the random selection of the child from the household. Details of the calculation of the adult population weights are outlined in the Child Weights section.

The household control totals come from 2009-2013 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 5,982 completed child interviews sums to 1,133,259 households with children in Los Angeles County. This household total comes from the recently released 2014 American Community Survey. The *CHILD_HH_SAMP_WT* was scaled to the sample size of 5,982 child 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 extensive poststratification to population control totals to adjust for differential nonresponse and non-coverage (?):

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 age-eligible children in the household at the point of random selection of the child from the household. Dividing a child population weight by the number of age-eligible children in the household at the point of respondent selection 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.

The initial household weight (*CHILD_HH_WT_1*) was raked to population control totals for five margins:

    14) Telephone service group (*TELEPHONE_SERVICE6C*),
    15) Number of children in the household (*CHOUDEPT_R*),
    16) Number of adults in the household (*CHOUADULT_R*),
    17) Health District (*HD_2012_R*), and
    18) SPA (*SPA_2012*).

The control totals for the number of children in the household, and number of adults in the household were obtained from the 2009-2013 American Community Survey PUMS. The control totals for households with children by Health District and SPA were obtained from the 2009-2013 American Community Survey tabulations.

The telephone service variable (*TELEPHONE_SERVICE6C*) used in the raking consists of four categories:

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

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
Los Angeles County	42.22%	6.10%	22.89%	28.80%

All of the control totals were scaled to sum to 1,133,259 households which is the 2014 American Community Survey estimate of the number of households (i.e., occupied housing units) in Los Angeles County.

The IGCV SAS raking macro (Izrael et al. 2009) 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 III-N (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 0.05 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 = 6.0	/* weight will be decreased to individual weight times A */
B = 0.167	/* weight will be increased to individual weight times B */
C = 11.0	/* weight will be decreased to mean weight times C */
D = 0.091	/* weight will be increased to mean weight times D */

The raking output is shown in Appendix III-N (see Weighted Distribution After Raking). **The final raked weight for use in estimation is *CHILD_HH_POP_WT*. The final weight for the 5,982 completed child interviews sums to 1,133,259 households with children in Los Angeles County. The *CHILD_HH_SAMP_WT* was scaled to the sample size of 5,982 child interviews.**

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 383 census tracts. First 5 LA has programs and initiatives targeting children up to age 5 in the Best Start Communities. A total of 700 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 2014-2015 BSC weighting procedures closely followed the BSC weighting procedures used for the 2010-2011 survey. The BSC target population is children age 0-5 years in the 14 BSC communities in Los Angeles County. For the population of children age 0-5 years, 2014 population estimates provides the count of children by gender, race/ethnicity, and BSC community. The 2009-2013 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 2009-2013 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 2014 PEPs?. The LACHS Child Survey 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 post-stratification to population control totals forward into the weighting of the subset of 700 children age 0-5 years in the BSC Communities.

The final raked weight for use in estimation is *BSC_CHILD_POP_WT*. The final weight for the 700 BSC completed child interviews (*FLAG_BSC_AGE0TO5* = 1) sums to 158,192 children age 0-5 years residing in the 14 BSC communities in Los Angeles County. This population total comes from 2014 population estimates. The *BSC_CHILD_SAMP_WT* was scaled to the sample size of 700 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_R3*): Asian, NHOPI, /American Indian were combined, and
3) BSC community (*_BSC_R*): Broadway/Manchester and Central Long Beach were combined; West Athens and Wilmington were combined.

The category collapsing for race/ethnicity and BSC community was used to avoid categories with very small sample sizes.

The population control totals for the three raking variables were obtained from 2014 population estimates.

The IGCV SAS raking macro (Izrael et al. 2009) 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 III-O (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 0.05 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 = 6.0	/* weight will be decreased to individual weight times A */
B = 0.167	/* weight will be increased to individual weight times B */
C = 11.0	/* weight will be decreased to mean weight times C */
D = 0.091	/* weight will be increased to mean weight times D */

The raking output is shown in Appendix III-O (see Weighted Distribution After Raking).

The final raked weight for use in estimation is *BSC_CHILD_POP_WT*. The final weight for the 700 BSC completed child interviews (*FLAG_BSC_AGE0TO5* = 1) sums to 158,192 children age 0-5 years residing in the 14 BSC communities in Los Angeles County. The *BSC_CHILD_SAMP_WT* was scaled to the sample size of 700 child interviews.

Weighting References

Battaglia M, Izrael D, Hoaglin D, Frankel M. 2009. Practical Considerations in Raking Survey Data. *Survey Practice*. April 2009.

Izrael D, Battaglia M, and Frankel M. SAS Raking Macro, 2009.
http://abtassociates.com/Expertise/Surveys-and-Data-Collection/Raking-Survey-Data-(a-k-a--Sample-Balancing).aspx

National Center for Health Statistics. 2013. Wireless Substitution: State-level Estimates from the National Health Interview Survey, 2012. National health statistics report, no. 70. Hyattsville, MD.

National Center for Health Statistics. 2015. Wireless Substitution: Early Release of Estimates from the National Health Interview Survey, July – December 2014.

IX. Appendices

Appendix I-A: SPA 1 (Lancaster and Palmdale) 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	236	3	3	100%	3	3	0%	100%
1	661	434	2	2	100%	5	5	0%	100%
1	661	456	2	2	100%	7	7	0%	100%
1	661	952	4	4	100%	11	11	0%	100%
1	661	264	673	912	74%	684	923	3%	74%
1	661	942	1189	1597	74%	1873	2520	8%	74%
1	661	441	101	140	72%	1974	2660	9%	74%
1	661	285	1126	1585	71%	3100	4245	14%	73%
1	661	945	762	1071	71%	3862	5316	17%	73%
1	661	948	998	1415	71%	4860	6731	21%	72%
1	661	723	628	898	70%	5488	7629	24%	72%
1	661	533	828	1197	69%	6316	8826	28%	72%
1	661	944	983	1430	69%	7299	10256	32%	71%
1	661	946	1218	1803	68%	8517	12059	37%	71%
1	661	382	180	270	67%	8697	12329	38%	71%
1	661	524	2	3	67%	8699	12332	38%	71%
1	661	540	12	18	67%	8711	12350	38%	71%
1	661	878	432	642	67%	9143	12992	40%	70%
1	661	949	521	793	66%	9664	13785	42%	70%
1	661	951	332	503	66%	9996	14288	44%	70%
1	661	273	819	1287	64%	10815	15575	47%	69%
1	661	726	348	541	64%	11163	16116	49%	69%
1	661	261	27	43	63%	11190	16159	49%	69%
1	661	418	267	430	62%	11457	16589	50%	69%
1	661	538	308	493	62%	11765	17082	52%	69%
1	661	947	916	1466	62%	12681	18548	56%	68%
1	661	266	572	936	61%	13253	19484	58%	68%
1	661	272	445	731	61%	13698	20215	60%	68%
1	661	526	1418	2343	61%	15116	22558	66%	67%
1	661	729	270	445	61%	15386	23003	68%	67%
1	661	940	415	675	61%	15801	23678	69%	67%
1	661	224	128	214	60%	15929	23892	70%	67%
1	661	274	530	888	60%	16459	24780	72%	66%
1	661	575	145	242	60%	16604	25022	73%	66%
1	661	728	111	184	60%	16715	25206	73%	66%
1	661	794	152	253	60%	16867	25459	74%	66%
1	661	225	71	120	59%	16938	25579	74%	66%
1	661	480	744	1267	59%	17682	26846	78%	66%
1	661	579	726	1223	59%	18408	28069	81%	66%
1	661	265	353	608	58%	18761	28677	82%	65%
1	661	267	355	608	58%	19116	29285	84%	65%
1	661	874	4	7	57%	19120	29292	84%	65%
1	661	802	337	600	56%	19457	29892	85%	65%
1	661	206	1050	1937	54%	20507	31829	90%	64%

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	727	24	49	49%	20531	31878	90%	64%
1	661	943	1201	2700	44%	21732	34578	95%	63%
1	661	718	316	852	37%	22048	35430	97%	62%
1	661	722	728	1989	37%	22776	37419	100%	61%
1	661	349	4	30	13%	22780	37449	100%	61%
1	661	270	8	344	2%	22788	37793	100%	60%

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

Appendix I-B: ZIP-to-SPA Mapping*

SPA 1 Antelope Valley	SPA 2 San Fernando Valley				SPA 3 San Gabriel Valley			SPA 4 Metro LA	
93243	90290	91331	91405		91001	91706	91802	90004	90088
93510	91012	91333	91406		91003	91711	91803	90005	90093
93523	91020	91334	91407		91006	91714	91804	90006	90097
93534	91021	91335	91408		91007	91715	91841	90010	90099
93535	91040	91337	91409		91008	91716	91896	90012	90102
93536	91041	91340	91410		91009	91722	91899	90013	90174
93539	91042	91341	91411		91010	91723	92397	90014	90189
93543	91043	91342	91412		91011	91724	92821	90015	91618
93544	91046	91343	91413		91016	91731	92823	90017	
93551	91201	91344	91416		91017	91732	93550	90019	
93552	91202	91345	91423		91023	91733	93553	90020	
93584	91203	91346	91426		91024	91734	93563	90021	
93586	91204	91350	91436		91025	91735		90023	
93590	91205	91351	91470		91030	91740		90026	
93591	91206	91352	91482		91031	91741		90027	
	91207	91353	91495		91066	91744		90028	
	91208	91354	91496		91077	91745		90029	
	91209	91355	91497		91101	91746		90030	
	91210	91356	91499		91102	91747		90031	
	91214	91357	91501		91103	91748		90032	
	91221	91361	91502		91104	91749		90033	
	91222	91362	91503		91105	91750		90036	
	91224	91364	91504		91106	91754		90038	
	91225	91365	91505		91107	91755		90039	
	91226	91367	91506		91108	91756		90041	
	91301	91371	91507		91109	91759		90042	
	91302	91372	91508		91110	91765		90046	
	91303	91376	91510		91114	91766		90048	
	91304	91380	91521		91115	91767		90050	
	91305	91381	91522		91116	91768		90051	
	91306	91382	91523		91117	91769		90053	
	91307	91383	91526		91118	91770		90054	
	91308	91384	91601		91121	91771		90055	
	91309	91385	91602		91123	91772		90057	
	91310	91386	91603		91124	91773		90065	
	91311	91387	91604		91125	91775		90068	
	91312	91388	91605		91126	91776		90069	
	91313	91390	91606		91129	91778		90070	
	91316	91392	91607		91131	91780		90071	
	91321	91393	91608		91175	91788		90072	
	91322	91394	91609		91182	91789		90074	
	91324	91395	91610		91184	91790		90075	
	91325	91396	91611		91185	91791		90076	
	91326	91399	91612		91186	91792		90078	
	91327	91401	91614		91187	91793		90079	
	91328	91402	91615		91188	91795		90081	
	91329	91403	91616		91189	91797		90084	
	91330	91404	91617		91191	91799		90086	
			93532		91702	91801		90087	

SPA 5 West	SPA 6 South	SPA 7 East		SPA 8 South Bay	
90009	90001	90022	90712	90044	90744
90024	90002	90040	90713	90221	90745
90025	90003	90058	90714	90224	90746
90034	90007	90063	90715	90245	90747
90035	90008	90091	90716	90247	90748
90045	90011	90096	90755	90248	90749
90049	90016	90101	90888	90249	90801
90056	90018	90103		90250	90802
90060	90037	90201		90251	90803
90064	90043	90202		90254	90804
90066	90047	90239		90260	90805
90067	90052	90240		90261	90806
90073	90059	90241		90266	90807
90077	90061	90242		90267	90808
90080	90062	90255		90274	90809
90083	90082	90270		90275	90810
90094	90089	90280		90277	90813
90095	90185	90601		90278	90814
90209	90220	90602		90301	90815
90210	90222	90603		90302	90822
90211	90223	90604		90303	90831
90212	90262	90605		90304	90832
90213	90723	90606		90305	90833
90230		90607		90306	90834
90231		90608		90307	90835
90232		90609		90308	90840
90233		90610		90309	90842
90263		90612		90310	90844
90264		90631		90311	90845
90265		90637		90312	90846
90272		90638		90313	90847
90291		90639		90398	90848
90292		90640		90501	90853
90293		90650		90502	90899
90294		90651		90503	
90295		90652		90504	
90296		90659		90505	
90397		90660		90506	
90401		90661		90507	
90402		90662		90508	
90403		90665		90509	
90404		90670		90510	
90405		90671		90704	
90406		90701		90710	
90407		90702		90717	
90408		90703		90731	
90409		90706		90732	
90410		90707		90733	
90411		90711		90734	

* Table created 9/30/2014 with geography (zip codes and SPA boundaries) available at that time.

Appendix I-C: SPA 4 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
4	213	228	7	7	100%	7	7	0%	100%
4	213	236	4	4	100%	11	11	0%	100%
4	213	241	9	9	100%	20	20	0%	100%
4	213	243	11	11	100%	31	31	0%	100%
4	213	244	3	3	100%	34	34	0%	100%
4	213	258	10	10	100%	44	44	0%	100%
4	213	263	130	130	100%	174	174	0%	100%
4	213	344	9	9	100%	183	183	0%	100%
4	213	346	23	23	100%	206	206	0%	100%
4	213	373	2	2	100%	208	208	0%	100%
4	213	402	2	2	100%	210	210	0%	100%
4	213	485	5	5	100%	215	215	0%	100%
4	213	637	45	45	100%	260	260	0%	100%
4	213	640	4	4	100%	264	264	0%	100%
4	213	769	4	4	100%	268	268	0%	100%
4	213	884	6	6	100%	274	274	0%	100%
4	213	928	19	19	100%	293	293	0%	100%
4	323	274	2	2	100%	295	295	0%	100%
4	323	509	14	14	100%	309	309	0%	100%
4	323	540	14	14	100%	323	323	0%	100%
4	323	674	16	16	100%	339	339	0%	100%
4	323	698	6	6	100%	345	345	0%	100%
4	323	741	2	2	100%	347	347	0%	100%
4	323	768	2	2	100%	349	349	0%	100%
4	323	795	2	2	100%	351	351	0%	100%
4	323	836	15	15	100%	366	366	0%	100%
4	323	860	7	7	100%	373	373	0%	100%
4	323	993	3	3	100%	376	376	0%	100%
4	818	745	15	15	100%	391	391	0%	100%
4	213	377	106	107	99%	497	498	1%	100%
4	213	529	286	289	99%	783	787	1%	99%
4	213	674	497	503	99%	1280	1290	1%	99%
4	323	426	285	289	99%	1565	1579	2%	99%
4	213	265	300	305	98%	1865	1884	2%	99%
4	323	379	43	44	98%	1908	1928	2%	99%
4	323	522	555	569	98%	2463	2497	3%	99%
4	323	928	436	445	98%	2899	2942	3%	99%
4	213	612	34	35	97%	2933	2977	3%	99%
4	323	645	365	378	97%	3298	3355	4%	98%
4	213	935	179	187	96%	3477	3542	4%	98%
4	323	380	791	824	96%	4268	4366	5%	98%
4	323	498	301	312	96%	4569	4678	5%	98%
4	213	368	126	132	95%	4695	4810	5%	98%
4	323	335	21	22	95%	4716	4832	5%	98%
4	323	352	751	797	94%	5467	5629	6%	97%
4	213	251	57	62	92%	5524	5691	6%	97%
4	323	366	296	323	92%	5820	6014	6%	97%
4	213	437	10	11	91%	5830	6025	6%	97%

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
4	213	537	328	360	91%	6158	6385	7%	96%
4	323	452	154	169	91%	6312	6554	7%	96%
4	213	688	26	29	90%	6338	6583	7%	96%
4	323	450	291	324	90%	6629	6907	7%	96%
4	323	798	650	722	90%	7279	7629	8%	95%
4	213	568	352	395	89%	7631	8024	8%	95%
4	213	896	8	9	89%	7639	8033	8%	95%
4	213	955	16	18	89%	7655	8051	8%	95%
4	213	989	317	358	89%	7972	8409	9%	95%
4	323	944	71	80	89%	8043	8489	9%	95%
4	213	689	22	25	88%	8065	8514	9%	95%
4	213	891	14	16	88%	8079	8530	9%	95%
4	323	879	396	448	88%	8475	8978	9%	94%
4	213	427	378	436	87%	8853	9414	10%	94%
4	213	483	1123	1287	87%	9976	10701	11%	93%
4	213	580	13	15	87%	9989	10716	11%	93%
4	213	739	666	769	87%	10655	11485	11%	93%
4	323	413	207	239	87%	10862	11724	12%	93%
4	323	739	605	695	87%	11467	12419	12%	92%
4	323	963	268	308	87%	11735	12727	13%	92%
4	213	202	12	14	86%	11747	12741	13%	92%
4	213	353	386	450	86%	12133	13191	13%	92%
4	213	381	752	873	86%	12885	14064	14%	92%
4	213	389	1080	1249	86%	13965	15313	15%	91%
4	213	484	949	1102	86%	14914	16415	16%	91%
4	213	908	949	1099	86%	15863	17514	17%	91%
4	323	272	505	590	86%	16368	18104	18%	90%
4	213	380	592	699	85%	16960	18803	18%	90%
4	213	382	975	1142	85%	17935	19945	19%	90%
4	213	384	1042	1227	85%	18977	21172	20%	90%
4	213	413	1132	1326	85%	20109	22498	22%	89%
4	213	481	451	531	85%	20560	23029	22%	89%
4	213	487	519	611	85%	21079	23640	23%	89%
4	213	624	45	53	85%	21124	23693	23%	89%
4	213	738	559	654	85%	21683	24347	23%	89%
4	213	972	22	26	85%	21705	24373	23%	89%
4	213	977	240	284	85%	21945	24657	24%	89%
4	323	276	587	694	85%	22532	25351	24%	89%
4	213	327	26	31	84%	22558	25382	24%	89%
4	213	351	138	164	84%	22696	25546	24%	89%
4	213	385	545	647	84%	23241	26193	25%	89%
4	213	386	587	700	84%	23828	26893	26%	89%
4	213	387	1018	1214	84%	24846	28107	27%	88%
4	213	388	1031	1221	84%	25877	29328	28%	88%
4	213	480	260	311	84%	26137	29639	28%	88%
4	213	221	354	425	83%	26491	30064	28%	88%
4	213	250	745	894	83%	27236	30958	29%	88%
4	213	736	139	167	83%	27375	31125	29%	88%

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
4	323	378	648	785	83%	28023	31910	30%	88%
4	323	424	867	1042	83%	28890	32952	31%	88%
4	323	474	357	432	83%	29247	33384	31%	88%
4	323	505	247	297	83%	29494	33681	32%	88%
4	323	592	173	208	83%	29667	33889	32%	88%
4	213	252	177	217	82%	29844	34106	32%	88%
4	213	383	588	713	82%	30432	34819	33%	87%
4	213	482	512	625	82%	30944	35444	33%	87%
4	213	239	22	27	81%	30966	35471	33%	87%
4	213	365	334	411	81%	31300	35882	34%	87%
4	213	622	113	140	81%	31413	36022	34%	87%
4	213	975	118	145	81%	31531	36167	34%	87%
4	323	342	345	424	81%	31876	36591	34%	87%
4	323	343	392	486	81%	32268	37077	35%	87%
4	323	441	392	486	81%	32660	37563	35%	87%
4	213	489	85	106	80%	32745	37669	35%	87%
4	213	623	97	121	80%	32842	37790	35%	87%
4	323	224	515	644	80%	33357	38434	36%	87%
4	213	273	11	14	79%	33368	38448	36%	87%
4	323	221	1268	1606	79%	34636	40054	37%	86%
4	323	222	1356	1720	79%	35992	41774	39%	86%
4	323	225	1303	1648	79%	37295	43422	40%	86%
4	323	227	944	1191	79%	38239	44613	41%	86%
4	323	460	208	262	79%	38447	44875	41%	86%
4	323	467	544	689	79%	38991	45564	42%	86%
4	323	571	11	14	79%	39002	45578	42%	86%
4	213	629	47	60	78%	39049	45638	42%	86%
4	323	223	1280	1636	78%	40329	47274	43%	85%
4	323	226	267	344	78%	40596	47618	44%	85%
4	323	468	114	146	78%	40710	47764	44%	85%
4	323	469	690	890	78%	41400	48654	44%	85%
4	323	551	62	80	78%	41462	48734	45%	85%
4	323	871	478	615	78%	41940	49349	45%	85%
4	323	912	71	91	78%	42011	49440	45%	85%
4	323	960	157	201	78%	42168	49641	45%	85%
4	213	614	20	26	77%	42188	49667	45%	85%
4	213	620	208	270	77%	42396	49937	46%	85%
4	213	683	10	13	77%	42406	49950	46%	85%
4	323	462	489	632	77%	42895	50582	46%	85%
4	323	463	710	925	77%	43605	51507	47%	85%
4	323	464	523	680	77%	44128	52187	47%	85%
4	323	856	135	176	77%	44263	52363	48%	85%
4	323	957	250	323	77%	44513	52686	48%	84%
4	323	349	71	93	76%	44584	52779	48%	84%
4	323	466	668	882	76%	45252	53661	49%	84%
4	213	253	3	4	75%	45255	53665	49%	84%
4	213	621	136	181	75%	45391	53846	49%	84%
4	213	626	264	350	75%	45655	54196	49%	84%

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
4	213	627	88	118	75%	45743	54314	49%	84%
4	323	461	685	916	75%	46428	55230	50%	84%
4	323	962	424	569	75%	46852	55799	50%	84%
4	213	613	142	193	74%	46994	55992	50%	84%
4	213	617	224	304	74%	47218	56296	51%	84%
4	213	687	218	293	74%	47436	56589	51%	84%
4	323	465	668	907	74%	48104	57496	52%	84%
4	323	667	450	612	74%	48554	58108	52%	84%
4	323	953	515	692	74%	49069	58800	53%	83%
4	213	625	263	361	73%	49332	59161	53%	83%
4	323	341	35	48	73%	49367	59209	53%	83%
4	323	661	937	1275	73%	50304	60484	54%	83%
4	323	664	953	1316	72%	51257	61800	55%	83%
4	323	669	456	635	72%	51713	62435	56%	83%
4	323	874	506	704	72%	52219	63139	56%	83%
4	323	876	509	709	72%	52728	63848	57%	83%
4	323	906	351	485	72%	53079	64333	57%	83%
4	323	913	536	744	72%	53615	65077	58%	82%
4	213	229	17	24	71%	53632	65101	58%	82%
4	213	628	50	70	71%	53682	65171	58%	82%
4	213	680	97	136	71%	53779	65307	58%	82%
4	323	478	430	607	71%	54209	65914	58%	82%
4	323	644	418	588	71%	54627	66502	59%	82%
4	323	658	133	188	71%	54760	66690	59%	82%
4	323	660	813	1142	71%	55573	67832	60%	82%
4	323	662	955	1344	71%	56528	69176	61%	82%
4	323	665	872	1223	71%	57400	70399	62%	82%
4	323	666	770	1092	71%	58170	71491	62%	81%
4	323	668	395	553	71%	58565	72044	63%	81%
4	323	851	514	724	71%	59079	72768	63%	81%
4	323	663	915	1306	70%	59994	74074	64%	81%
4	323	822	156	224	70%	60150	74298	65%	81%
4	323	878	49	70	70%	60199	74368	65%	81%
4	213	488	59	85	69%	60258	74453	65%	81%
4	323	790	26	38	68%	60284	74491	65%	81%
4	323	850	276	406	68%	60560	74897	65%	81%
4	213	375	255	383	67%	60815	75280	65%	81%
4	323	256	949	1414	67%	61764	76694	66%	81%
4	323	284	325	487	67%	62089	77181	67%	80%
4	323	340	192	286	67%	62281	77467	67%	80%
4	323	512	209	310	67%	62490	77777	67%	80%
4	323	254	1009	1537	66%	63499	79314	68%	80%
4	323	255	1117	1695	66%	64616	81009	69%	80%
4	323	259	465	704	66%	65081	81713	70%	80%
4	323	550	236	359	66%	65317	82072	70%	80%
4	323	257	1048	1613	65%	66365	83685	71%	79%
4	323	258	979	1496	65%	67344	85181	72%	79%
4	323	845	116	178	65%	67460	85359	72%	79%

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
4	323	964	78	124	63%	67538	85483	73%	79%
4	323	969	183	289	63%	67721	85772	73%	79%
4	323	344	527	856	62%	68248	86628	73%	79%
4	323	782	165	268	62%	68413	86896	73%	79%
4	323	982	269	433	62%	68682	87329	74%	79%
4	323	848	515	851	61%	69197	88180	74%	78%
4	323	852	215	353	61%	69412	88533	75%	78%
4	323	934	736	1208	61%	70148	89741	75%	78%
4	323	436	105	176	60%	70253	89917	75%	78%
4	323	650	406	678	60%	70659	90595	76%	78%
4	323	883	70	117	60%	70729	90712	76%	78%
4	323	931	678	1134	60%	71407	91846	77%	78%
4	323	933	651	1080	60%	72058	92926	77%	78%
4	213	892	10	17	59%	72068	92943	77%	78%
4	323	651	230	389	59%	72298	93332	78%	77%
4	323	951	111	190	58%	72409	93522	78%	77%
4	323	999	310	536	58%	72719	94058	78%	77%
4	323	345	31	54	57%	72750	94112	78%	77%
4	323	653	290	505	57%	73040	94617	78%	77%
4	323	654	594	1036	57%	73634	95653	79%	77%
4	323	655	292	513	57%	73926	96166	79%	77%
4	323	936	606	1069	57%	74532	97235	80%	77%
4	323	954	169	296	57%	74701	97531	80%	77%
4	323	966	8	14	57%	74709	97545	80%	77%
4	323	656	592	1053	56%	75301	98598	81%	76%
4	323	692	44	79	56%	75345	98677	81%	76%
4	323	932	271	480	56%	75616	99157	81%	76%
4	323	935	653	1170	56%	76269	100327	82%	76%
4	323	939	665	1181	56%	76934	101508	83%	76%
4	323	965	180	324	56%	77114	101832	83%	76%
4	213	572	21	38	55%	77135	101870	83%	76%
4	323	549	84	153	55%	77219	102023	83%	76%
4	323	937	464	837	55%	77683	102860	83%	76%
4	323	525	92	169	54%	77775	103029	83%	75%
4	323	857	176	326	54%	77951	103355	84%	75%
4	323	882	116	213	54%	78067	103568	84%	75%
4	323	930	230	426	54%	78297	103994	84%	75%
4	323	938	559	1029	54%	78856	105023	85%	75%
4	213	536	77	145	53%	78933	105168	85%	75%
4	213	632	89	173	51%	79022	105341	85%	75%
4	323	406	188	369	51%	79210	105710	85%	75%
4	323	415	23	45	51%	79233	105755	85%	75%
4	323	488	53	103	51%	79286	105858	85%	75%
4	213	493	156	314	50%	79442	106172	85%	75%
4	323	275	6	12	50%	79448	106184	85%	75%
4	323	634	86	173	50%	79534	106357	85%	75%
4	323	729	1	2	50%	79535	106359	85%	75%
4	310	967	15	31	48%	79550	106390	85%	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
4	323	307	39	86	45%	79589	106476	85%	75%
4	310	855	55	126	44%	79644	106602	85%	75%
4	213	765	79	187	42%	79723	106789	86%	75%
4	323	262	690	1650	42%	80413	108439	86%	74%
4	323	780	550	1303	42%	80963	109742	87%	74%
4	323	981	238	561	42%	81201	110303	87%	74%
4	213	744	70	170	41%	81271	110473	87%	74%
4	323	260	86	209	41%	81357	110682	87%	74%
4	323	261	655	1615	41%	82012	112297	88%	73%
4	323	267	239	580	41%	82251	112877	88%	73%
4	323	269	650	1573	41%	82901	114450	89%	72%
4	323	302	9	22	41%	82910	114472	89%	72%
4	323	881	112	271	41%	83022	114743	89%	72%
4	213	742	88	220	40%	83110	114963	89%	72%
4	310	358	61	151	40%	83171	115114	89%	72%
4	323	264	695	1736	40%	83866	116850	90%	72%
4	323	265	431	1071	40%	84297	117921	90%	71%
4	323	266	529	1323	40%	84826	119244	91%	71%
4	323	362	2	5	40%	84828	119249	91%	71%
4	323	526	384	958	40%	85212	120207	91%	71%
4	424	335	17	42	40%	85229	120249	91%	71%
4	213	741	89	229	39%	85318	120478	92%	71%
4	323	268	593	1515	39%	85911	121993	92%	70%
4	213	985	6	16	38%	85917	122009	92%	70%
4	323	263	593	1552	38%	86510	123561	93%	70%
4	323	980	187	494	38%	86697	124055	93%	70%
4	213	749	169	455	37%	86866	124510	93%	70%
4	213	763	7	19	37%	86873	124529	93%	70%
4	310	360	75	205	37%	86948	124734	93%	70%
4	310	659	188	510	37%	87136	125244	94%	70%
4	323	354	166	444	37%	87302	125688	94%	69%
4	213	745	111	325	34%	87413	126013	94%	69%
4	213	746	185	549	34%	87598	126562	94%	69%
4	213	747	195	566	34%	87793	127128	94%	69%
4	213	748	201	583	34%	87994	127711	94%	69%
4	310	657	148	435	34%	88142	128146	95%	69%
4	310	854	67	202	33%	88209	128348	95%	69%
4	323	998	2	6	33%	88211	128354	95%	69%
4	424	274	94	284	33%	88305	128638	95%	69%
4	310	652	172	549	31%	88477	129187	95%	68%
4	323	709	11	35	31%	88488	129222	95%	68%
4	213	259	12	40	30%	88500	129262	95%	68%
4	310	289	75	247	30%	88575	129509	95%	68%
4	424	249	100	329	30%	88675	129838	95%	68%
4	323	988	2	7	29%	88677	129845	95%	68%
4	323	643	105	383	27%	88782	130228	95%	68%
4	424	245	104	388	27%	88886	130616	95%	68%
4	310	734	135	520	26%	89021	131136	96%	68%

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
4	323	641	160	618	26%	89181	131754	96%	68%
4	323	796	60	234	26%	89241	131988	96%	68%
4	424	204	113	427	26%	89354	132415	96%	67%
4	424	777	61	235	26%	89415	132650	96%	67%
4	323	203	2	8	25%	89417	132658	96%	67%
4	323	825	1	4	25%	89418	132662	96%	67%
4	323	730	136	578	24%	89554	133240	96%	67%
4	323	402	111	476	23%	89665	133716	96%	67%
4	323	419	22	96	23%	89687	133812	96%	67%
4	323	732	344	1509	23%	90031	135321	97%	67%
4	323	734	356	1538	23%	90387	136859	97%	66%
4	323	735	326	1428	23%	90713	138287	97%	66%
4	323	766	187	830	23%	90900	139117	98%	65%
4	424	278	78	340	23%	90978	139457	98%	65%
4	323	731	318	1431	22%	91296	140888	98%	65%
4	323	733	327	1490	22%	91623	142378	98%	64%
4	424	288	72	328	22%	91695	142706	98%	64%
4	323	373	93	434	21%	91788	143140	99%	64%
4	310	860	45	226	20%	91833	143366	99%	64%
4	323	737	276	1368	20%	92109	144734	99%	64%
4	323	456	5	28	18%	92114	144762	99%	64%
4	310	247	43	259	17%	92157	145021	99%	64%
4	310	385	32	199	16%	92189	145220	99%	63%
4	310	246	39	258	15%	92228	145478	99%	63%
4	310	550	63	412	15%	92291	145890	99%	63%
4	310	248	17	125	14%	92308	146015	99%	63%
4	310	273	90	639	14%	92398	146654	99%	63%
4	310	274	78	623	13%	92476	147277	99%	63%
4	310	777	17	132	13%	92493	147409	99%	63%
4	310	285	14	120	12%	92507	147529	99%	63%
4	310	858	54	434	12%	92561	147963	99%	63%
4	323	989	13	110	12%	92574	148073	99%	63%
4	310	275	86	783	11%	92660	148856	99%	62%
4	310	276	95	834	11%	92755	149690	100%	62%
4	310	786	5	44	11%	92760	149734	100%	62%
4	310	859	37	346	11%	92797	150080	100%	62%
4	213	608	1	10	10%	92798	150090	100%	62%
4	310	205	17	165	10%	92815	150255	100%	62%
4	310	271	79	830	10%	92894	151085	100%	61%
4	310	278	62	618	10%	92956	151703	100%	61%
4	310	281	5	49	10%	92961	151752	100%	61%
4	310	402	3	29	10%	92964	151781	100%	61%
4	310	724	2	23	9%	92966	151804	100%	61%
4	310	888	8	104	8%	92974	151908	100%	61%
4	323	306	1	12	8%	92975	151920	100%	61%
4	310	288	8	132	6%	92983	152052	100%	61%
4	818	552	3	181	2%	92986	152233	100%	61%
4	818	241	16	1793	1%	93002	154026	100%	60%

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
4	818	242	12	1806	1%	93014	155832	100%	60%
4	818	243	10	1867	1%	93024	157699	100%	59%
4	818	244	17	1864	1%	93041	159563	100%	58%
4	818	246	8	1164	1%	93049	160727	100%	58%
4	818	247	8	1096	1%	93057	161823	100%	58%
4	818	265	2	267	1%	93059	162090	100%	57%
4	818	291	2	166	1%	93061	162256	100%	57%
4	818	409	2	261	1%	93063	162517	100%	57%
4	818	500	7	969	1%	93070	163486	100%	57%
4	818	502	5	791	1%	93075	164277	100%	57%
4	818	507	10	1337	1%	93085	165614	100%	56%
4	818	545	9	992	1%	93094	166606	100%	56%
4	818	548	8	840	1%	93102	167446	100%	56%
4	818	549	3	293	1%	93105	167739	100%	56%
4	818	551	2	324	1%	93107	168063	100%	55%
4	818	637	2	147	1%	93109	168210	100%	55%
4	818	945	2	342	1%	93111	168552	100%	55%
4	310	203	1	205	0%	93112	168757	100%	55%
4	310	277	1	580	0%	93113	169337	100%	55%
4	310	836	1	1035	0%	93114	170372	100%	55%
4	310	839	1	1220	0%	93115	171592	100%	54%
4	323	231	2	1786	0%	93117	173378	100%	54%
4	323	235	1	1585	0%	93118	174963	100%	53%
4	323	249	1	1298	0%	93119	176261	100%	53%
4	323	294	2	1476	0%	93121	177737	100%	52%
4	323	537	1	1268	0%	93122	179005	100%	52%
4	323	581	1	1661	0%	93123	180666	100%	52%
4	323	582	1	1527	0%	93124	182193	100%	51%
4	323	583	2	1545	0%	93126	183738	100%	51%
4	323	585	1	1614	0%	93127	185352	100%	50%
4	323	589	1	1643	0%	93128	186995	100%	50%
4	323	725	2	658	0%	93130	187653	100%	50%
4	323	751	1	1591	0%	93131	189244	100%	49%
4	323	757	1	1335	0%	93132	190579	100%	49%
4	323	777	1	1640	0%	93133	192219	100%	48%
4	323	779	1	1784	0%	93134	194003	100%	48%
4	562	928	1	1360	0%	93135	195363	100%	48%
4	626	943	1	447	0%	93136	195810	100%	48%
4	818	240	5	1055	0%	93141	196865	100%	47%
4	818	396	4	1087	0%	93145	197952	100%	47%
4	818	546	2	522	0%	93147	198474	100%	47%
4	818	547	3	625	0%	93150	199099	100%	47%
4	818	956	5	1125	0%	93155	200224	100%	47%

Note: Shaded rows are the 201 exchanges that defined the SPA 4 oversample.

Appendix I-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	4	4	100%	6	6	0%	100%
5	310	584	6	6	100%	12	12	0%	100%
5	310	591	2	2	100%	14	14	0%	100%
5	310	601	2	2	100%	16	16	0%	100%
5	310	633	2	2	100%	18	18	0%	100%
5	310	651	2	2	100%	20	20	0%	100%
5	310	728	4	4	100%	24	24	0%	100%
5	310	775	2	2	100%	26	26	0%	100%
5	310	857	2	2	100%	28	28	0%	100%
5	310	909	2	2	100%	30	30	0%	100%
5	310	945	3	3	100%	33	33	0%	100%
5	424	202	14	14	100%	47	47	0%	100%
5	424	835	308	321	96%	355	368	1%	96%
5	424	258	43	46	93%	398	414	1%	96%
5	424	500	237	257	92%	635	671	1%	95%
5	310	348	76	84	90%	711	755	1%	94%
5	424	235	95	105	90%	806	860	1%	94%
5	310	216	263	297	89%	1069	1157	2%	92%
5	310	645	669	758	88%	1738	1915	3%	91%
5	310	641	558	643	87%	2296	2558	4%	90%
5	424	644	170	197	86%	2466	2755	4%	90%
5	310	526	17	20	85%	2483	2775	4%	89%
5	310	215	131	156	84%	2614	2931	4%	89%
5	310	338	132	158	84%	2746	3089	4%	89%
5	424	228	954	1130	84%	3700	4219	6%	88%
5	310	342	29	35	83%	3729	4254	6%	88%
5	310	772	35	43	81%	3764	4297	6%	88%
5	310	456	769	964	80%	4533	5261	7%	86%
5	310	665	53	66	80%	4586	5327	7%	86%
5	310	258	31	39	79%	4617	5366	7%	86%
5	310	642	88	113	78%	4705	5479	7%	86%
5	310	785	72	92	78%	4777	5571	8%	86%
5	310	209	48	62	77%	4825	5633	8%	86%
5	310	284	62	81	77%	4887	5714	8%	86%
5	310	390	1281	1674	77%	6168	7388	10%	83%
5	310	443	30	39	77%	6198	7427	10%	83%
5	310	636	160	207	77%	6358	7634	10%	83%
5	310	201	69	91	76%	6427	7725	10%	83%
5	310	397	1093	1446	76%	7520	9171	12%	82%
5	310	391	1178	1578	75%	8698	10749	14%	81%
5	310	410	270	359	75%	8968	11108	14%	81%
5	310	457	1202	1601	75%	10170	12709	16%	80%
5	310	843	58	77	75%	10228	12786	16%	80%
5	310	862	3	4	75%	10231	12790	16%	80%

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	424	279	3	4	75%	10234	12794	16%	80%
5	310	425	364	495	74%	10598	13289	17%	80%
5	310	649	414	557	74%	11012	13846	17%	80%
5	310	450	1320	1804	73%	12332	15650	19%	79%
5	310	670	594	815	73%	12926	16465	20%	79%
5	310	788	87	120	73%	13013	16585	20%	78%
5	424	238	410	561	73%	13423	17146	21%	78%
5	424	272	219	302	73%	13642	17448	21%	78%
5	424	273	590	812	73%	14232	18260	22%	78%
5	424	268	293	405	72%	14525	18665	23%	78%
5	310	337	213	299	71%	14738	18964	23%	78%
5	310	399	1060	1494	71%	15798	20458	25%	77%
5	310	437	280	396	71%	16078	20854	25%	77%
5	310	447	5	7	71%	16083	20861	25%	77%
5	310	556	185	262	71%	16268	21123	26%	77%
5	310	589	184	258	71%	16452	21381	26%	77%
5	310	733	12	17	71%	16464	21398	26%	77%
5	424	248	588	827	71%	17052	22225	27%	77%
5	424	256	244	346	71%	17296	22571	27%	77%
5	424	298	209	296	71%	17505	22867	28%	77%
5	310	231	92	131	70%	17597	22998	28%	77%
5	310	253	45	64	70%	17642	23062	28%	76%
5	310	260	293	420	70%	17935	23482	28%	76%
5	310	282	49	70	70%	17984	23552	28%	76%
5	310	417	84	120	70%	18068	23672	28%	76%
5	310	448	7	10	70%	18075	23682	28%	76%
5	310	581	236	339	70%	18311	24021	29%	76%
5	310	656	59	84	70%	18370	24105	29%	76%
5	424	744	228	328	70%	18598	24433	29%	76%
5	310	313	496	719	69%	19094	25152	30%	76%
5	310	317	106	154	69%	19200	25306	30%	76%
5	310	553	257	371	69%	19457	25677	31%	76%
5	310	572	138	200	69%	19595	25877	31%	76%
5	310	587	81	118	69%	19676	25995	31%	76%
5	310	915	313	453	69%	19989	26448	31%	76%
5	310	208	145	212	68%	20134	26660	32%	76%
5	310	398	1009	1483	68%	21143	28143	33%	75%
5	310	452	734	1085	68%	21877	29228	34%	75%
5	310	314	259	389	67%	22136	29617	35%	75%
5	310	434	58	87	67%	22194	29704	35%	75%
5	310	558	416	620	67%	22610	30324	36%	75%
5	310	568	134	201	67%	22744	30525	36%	75%
5	310	576	158	235	67%	22902	30760	36%	74%
5	310	664	137	204	67%	23039	30964	36%	74%
5	310	773	6	9	67%	23045	30973	36%	74%
5	310	845	62	93	67%	23107	31066	36%	74%
5	424	274	190	284	67%	23297	31350	37%	74%
5	424	603	303	450	67%	23600	31800	37%	74%

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	424	832	445	661	67%	24045	32461	38%	74%
5	310	396	839	1268	66%	24884	33729	39%	74%
5	310	552	173	262	66%	25057	33991	39%	74%
5	310	841	242	368	66%	25299	34359	40%	74%
5	310	917	58	88	66%	25357	34447	40%	74%
5	310	979	94	142	66%	25451	34589	40%	74%
5	310	287	219	339	65%	25670	34928	40%	73%
5	310	319	143	221	65%	25813	35149	41%	73%
5	310	837	762	1164	65%	26575	36313	42%	73%
5	310	839	797	1220	65%	27372	37533	43%	73%
5	310	392	842	1306	64%	28214	38839	44%	73%
5	310	393	823	1276	64%	29037	40115	46%	72%
5	310	401	58	91	64%	29095	40206	46%	72%
5	310	449	56	88	64%	29151	40294	46%	72%
5	310	559	684	1077	64%	29835	41371	47%	72%
5	310	752	56	88	64%	29891	41459	47%	72%
5	310	815	267	416	64%	30158	41875	47%	72%
5	310	207	358	567	63%	30516	42442	48%	72%
5	310	235	37	59	63%	30553	42501	48%	72%
5	310	310	908	1441	63%	31461	43942	49%	72%
5	310	439	402	636	63%	31863	44578	50%	71%
5	310	444	167	263	63%	32030	44841	50%	71%
5	310	551	81	129	63%	32111	44970	50%	71%
5	310	737	58	92	63%	32169	45062	51%	71%
5	310	836	657	1035	63%	32826	46097	52%	71%
5	310	202	459	738	62%	33285	46835	52%	71%
5	310	204	460	741	62%	33745	47576	53%	71%
5	310	268	66	106	62%	33811	47682	53%	71%
5	310	280	162	263	62%	33973	47945	53%	71%
5	310	445	134	216	62%	34107	48161	54%	71%
5	310	446	325	527	62%	34432	48688	54%	71%
5	310	451	551	888	62%	34983	49576	55%	71%
5	310	473	529	847	62%	35512	50423	56%	70%
5	310	822	809	1297	62%	36321	51720	57%	70%
5	310	838	714	1159	62%	37035	52879	58%	70%
5	310	876	580	931	62%	37615	53810	59%	70%
5	310	395	779	1281	61%	38394	55091	60%	70%
5	310	474	902	1477	61%	39296	56568	62%	69%
5	310	477	575	938	61%	39871	57506	63%	69%
5	310	479	419	684	61%	40290	58190	63%	69%
5	310	724	14	23	61%	40304	58213	63%	69%
5	310	828	606	994	61%	40910	59207	64%	69%
5	310	842	208	339	61%	41118	59546	65%	69%
5	424	249	200	329	61%	41318	59875	65%	69%
5	310	286	117	196	60%	41435	60071	65%	69%
5	310	478	375	626	60%	41810	60697	66%	69%
5	310	899	168	278	60%	41978	60975	66%	69%
5	424	208	310	519	60%	42288	61494	66%	69%

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	424	335	25	42	60%	42313	61536	67%	69%
5	310	203	121	205	59%	42434	61741	67%	69%
5	310	301	320	538	59%	42754	62279	67%	69%
5	310	315	137	233	59%	42891	62512	67%	69%
5	310	394	521	889	59%	43412	63401	68%	68%
5	310	442	164	278	59%	43576	63679	68%	68%
5	310	454	1322	2244	59%	44898	65923	71%	68%
5	310	586	70	119	59%	44968	66042	71%	68%
5	310	820	419	712	59%	45387	66754	71%	68%
5	310	914	66	111	59%	45453	66865	71%	68%
5	310	996	24	41	59%	45477	66906	71%	68%
5	310	441	332	573	58%	45809	67479	72%	68%
5	310	475	633	1083	58%	46442	68562	73%	68%
5	310	966	42	73	58%	46484	68635	73%	68%
5	310	248	71	125	57%	46555	68760	73%	68%
5	310	277	331	580	57%	46886	69340	74%	68%
5	310	623	4	7	57%	46890	69347	74%	68%
5	310	786	25	44	57%	46915	69391	74%	68%
5	310	826	497	870	57%	47412	70261	75%	67%
5	310	888	59	104	57%	47471	70365	75%	67%
5	310	458	304	546	56%	47775	70911	75%	67%
5	310	470	629	1122	56%	48404	72033	76%	67%
5	310	472	911	1618	56%	49315	73651	78%	67%
5	310	777	74	132	56%	49389	73783	78%	67%
5	310	823	493	883	56%	49882	74666	78%	67%
5	424	777	131	235	56%	50013	74901	79%	67%
5	310	281	27	49	55%	50040	74950	79%	67%
5	310	453	407	735	55%	50447	75685	79%	67%
5	310	476	789	1441	55%	51236	77126	81%	66%
5	310	571	47	85	55%	51283	77211	81%	66%
5	424	278	187	340	55%	51470	77551	81%	66%
5	310	264	95	176	54%	51565	77727	81%	66%
5	310	285	65	120	54%	51630	77847	81%	66%
5	310	305	279	519	54%	51909	78366	82%	66%
5	310	312	147	272	54%	52056	78638	82%	66%
5	310	459	898	1659	54%	52954	80297	83%	66%
5	310	575	107	198	54%	53061	80495	83%	66%
5	310	578	223	411	54%	53284	80906	84%	66%
5	310	582	27	50	54%	53311	80956	84%	66%
5	310	821	583	1072	54%	53894	82028	85%	66%
5	310	829	304	568	54%	54198	82596	85%	66%
5	310	288	70	132	53%	54268	82728	85%	66%
5	310	577	164	311	53%	54432	83039	86%	66%
5	310	824	32	60	53%	54464	83099	86%	66%
5	310	271	429	830	52%	54893	83929	86%	65%
5	310	306	556	1069	52%	55449	84998	87%	65%
5	310	440	196	379	52%	55645	85377	87%	65%
5	310	574	91	175	52%	55736	85552	88%	65%

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	694	31	60	52%	55767	85612	88%	65%
5	310	827	447	852	52%	56214	86464	88%	65%
5	310	205	82	165	50%	56296	86629	88%	65%
5	310	234	101	204	50%	56397	86833	89%	65%
5	310	279	10	20	50%	56407	86853	89%	65%
5	310	471	538	1086	50%	56945	87939	90%	65%
5	310	557	107	215	50%	57052	88154	90%	65%
5	310	246	126	258	49%	57178	88412	90%	65%
5	310	247	128	259	49%	57306	88671	90%	65%
5	310	275	382	783	49%	57688	89454	91%	64%
5	310	302	30	61	49%	57718	89515	91%	64%
5	310	998	38	78	49%	57756	89593	91%	64%
5	310	278	299	618	48%	58055	90211	91%	64%
5	310	385	95	199	48%	58150	90410	91%	64%
5	310	751	242	506	48%	58392	90916	92%	64%
5	310	860	109	226	48%	58501	91142	92%	64%
5	310	276	388	834	47%	58889	91976	93%	64%
5	310	573	204	432	47%	59093	92408	93%	64%
5	310	734	243	520	47%	59336	92928	93%	64%
5	310	274	286	623	46%	59622	93551	94%	64%
5	310	230	286	633	45%	59908	94184	94%	64%
5	310	273	290	639	45%	60198	94823	95%	63%
5	310	402	13	29	45%	60211	94852	95%	63%
5	310	550	180	412	44%	60391	95264	95%	63%
5	310	858	189	434	44%	60580	95698	95%	63%
5	424	245	171	388	44%	60751	96086	95%	63%
5	310	289	105	247	43%	60856	96333	96%	63%
5	310	859	148	346	43%	61004	96679	96%	63%
5	424	204	184	427	43%	61188	97106	96%	63%
5	424	288	142	328	43%	61330	97434	96%	63%
5	310	889	67	166	40%	61397	97600	96%	63%
5	310	358	54	151	36%	61451	97751	97%	63%
5	310	854	69	202	34%	61520	97953	97%	63%
5	310	855	43	126	34%	61563	98079	97%	63%
5	310	360	68	205	33%	61631	98284	97%	63%
5	310	659	157	510	31%	61788	98794	97%	63%
5	310	657	129	435	30%	61917	99229	97%	62%
5	310	910	174	607	29%	62091	99836	98%	62%
5	424	800	37	134	28%	62128	99970	98%	62%
5	310	652	141	549	26%	62269	100519	98%	62%
5	310	967	8	31	26%	62277	100550	98%	62%
5	424	227	320	1216	26%	62597	101766	98%	62%
5	424	750	85	326	26%	62682	102092	99%	61%
5	424	702	132	577	23%	62814	102669	99%	61%
5	424	331	70	345	20%	62884	103014	99%	61%
5	310	256	3	17	18%	62887	103031	99%	61%
5	310	846	3	19	16%	62890	103050	99%	61%
5	310	695	24	195	12%	62914	103245	99%	61%

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	944	6	80	8%	62920	103325	99%	61%
5	323	656	60	1053	6%	62980	104378	99%	60%
5	323	782	15	268	6%	62995	104646	99%	60%
5	323	951	11	190	6%	63006	104836	99%	60%
5	310	455	43	1123	4%	63049	105959	99%	60%
5	323	650	30	678	4%	63079	106637	99%	59%
5	323	654	42	1036	4%	63121	107673	99%	59%
5	323	655	18	513	4%	63139	108186	99%	58%
5	323	658	7	188	4%	63146	108374	99%	58%
5	323	792	19	494	4%	63165	108868	99%	58%
5	323	348	9	353	3%	63174	109221	99%	58%
5	323	389	3	115	3%	63177	109336	99%	58%
5	323	413	6	239	3%	63183	109575	99%	58%
5	323	592	6	208	3%	63189	109783	99%	58%
5	323	651	11	389	3%	63200	110172	99%	57%
5	323	653	13	505	3%	63213	110677	99%	57%
5	323	815	10	391	3%	63223	111068	99%	57%
5	323	822	7	224	3%	63230	111292	99%	57%
5	323	852	9	353	3%	63239	111645	99%	57%
5	323	290	15	691	2%	63254	112336	99%	56%
5	323	291	31	1522	2%	63285	113858	99%	56%
5	323	292	31	1555	2%	63316	115413	100%	55%
5	323	293	29	1476	2%	63345	116889	100%	54%
5	323	294	29	1476	2%	63374	118365	100%	54%
5	323	295	29	1516	2%	63403	119881	100%	53%
5	323	296	22	1344	2%	63425	121225	100%	52%
5	323	299	27	1437	2%	63452	122662	100%	52%
5	323	366	5	323	2%	63457	122985	100%	52%
5	323	452	3	169	2%	63460	123154	100%	52%
5	323	848	15	851	2%	63475	124005	100%	51%
5	323	903	12	574	2%	63487	124579	100%	51%
5	323	964	3	124	2%	63490	124703	100%	51%
5	323	272	8	590	1%	63498	125293	100%	51%
5	323	298	11	850	1%	63509	126143	100%	50%
5	323	424	14	1042	1%	63523	127185	100%	50%
5	323	450	2	324	1%	63525	127509	100%	50%
5	323	525	2	169	1%	63527	127678	100%	50%
5	323	645	2	378	1%	63529	128056	100%	50%
5	323	879	4	448	1%	63533	128504	100%	49%
5	323	934	8	1208	1%	63541	129712	100%	49%
5	323	936	8	1069	1%	63549	130781	100%	49%
5	323	939	6	1181	1%	63555	131962	100%	48%
5	323	963	2	308	1%	63557	132270	100%	48%
5	818	466	1	114	1%	63558	132384	100%	48%
5	310	674	3	1349	0%	63561	133733	100%	48%
5	323	242	1	722	0%	63562	134455	100%	47%

Note: Shaded rows are the 174 exchanges that defined the SPA 5 oversample.

30082 – 2014-15 Los Angeles County Health Survey (LACHS)

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.

Q: (Demographic/Classification) What do these questions have to do with a health survey?

A: Questions about personal and household characteristics are an important part of all surveys. Los Angeles County is one of the most diverse counties in the United States. The Department of Public Health is dedicated to understanding and meeting the needs of all County residents. These questions allow individuals to be grouped with others in similar age, race, ethnicity, or income categories in order to better understand the health practices and needs of the County's population. (If necessary, you may refer them to the County Department of Public Health at 213-240-7785.)

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.

Privacy: Location Information

Q: Why do you need my address or cross-streets?

A: Since LA County is so large and diverse, the Department of Public Health is interested in grouping respondents into smaller geographic areas to better assess the health and well-being at local levels in order to address ways to improve their lives. Please know that this information will be held in the strictest of confidence and will NOT be shared beyond the research team.

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, Andrew Evans at 888-772-4269, extension 11214 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 II-B: Adult Survey Questionnaire

-Project #30082 -- 2014 LOS ANGELES COUNTY HEALTH SURVEY (LACHS) - FINAL

– Adult Survey + Child Continuation –

Introduction 1 (RDD VERSION ("stype"=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 CS9.)

Introduction 1 (CELL PHONE VERSION ("stype"=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."*)*

ASK CS9 OF ALL RESPONDENTS (CELL AND LANDLINE)
CS9.   In order to make sure our information is correct, 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=8 or 9, DISPOSITION AS SOFT REFUSAL AND READ:* "Thank you very much for your time."

> *IF CS9=1 AND FRAME IS LANDLINE (30082I), CHANGE SMPSTYPE=2 (Cell Phone), THEN GO TO INTRODUCTION 2.*

> *IF CS9=2 AND FRAME IS CELL PHONE (30082c), CHANGE SMPSTYPE=1 (Landline), THEN GO TO INTRODUCTION 2.*

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

QUALIFIED LEVEL =1

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 ("stype"=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?

(This is asked if we are not talking to an adult or the resp does not know the # of adults in the household. We need to speak to an adult who can establish the # of total adults in the household.)

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 the new resp agrees, we go back and read them Intro 2. They get asked S3 again bc we did not yet establish the # of adults in the household with an adult.)*
IF S7=2, SCHEDULE CALLBACK.

(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.

QUALIFIED LEVEL =2

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; BRFSS)**

        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; BRFSS)**

    ____ 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; BRFSS)**

    ____ 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; BRFSS)**

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

E1. How often do you get the social and emotional support you need? [READ LIST] **(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

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 TO 74
9 = 75 or older?
99 = (VOL) Refused

(IF Q6a=99, 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

CATI: CALCULATE RESPAGE (1=UNDER 65, 2=65 OR OLDER, 3=UNDETERMINED).

SET RESPAGE=1 IF Q6<65 OR Q6a<=7 or Q6b=1
SET RESPAGE=2 IF Q6>=65 OR Q6a=8, 9 or Q6b=2
SET RESPAGE=3 IF Q6b=9

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 INSTRUCTIONS FOR SUBSAMP=1)*
> 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 INSTRUCTIONS FOR SUBSAMP=1.*
> > *IF Q9v=2, GO BACK TO Q9 and RE-ASK.)*

SUBSAMP=1 (ASK IF SUBSAMP=1, ELSE GO TO N3).

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 SSN5.)
SS3.   How many times? (IF NECESSARY, READ LIST)

> 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

SSN5   Does a letter grade such as A, B, or C on a food truck or cart influence your decision to purchase food from that truck or cart?
> 1 = Yes
> 2 = No
> 8 = (VOL) Don't Know
> 9 = (VOL) Refused

NOTE: SSN6 and SSN7 moved to after QN22a.

QUESTION N3, ASK ALL RESPONDENTS.

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 Resp says only drinks soda/sweetened drinks 0 to 1 a day, a few times a week, few times a month, occasionally, code as "97" (Less than 1 a day/Rarely).

COUNT JUICE UNLESS IT'S 100% FRUIT JUICE]

_____ Enter # (RANGE = 0 through 96; 97= Less than one a day /Rarely; 98=Don't Know; 99=Refused)

SUBSAMP=3 (ASK IF SUBSAMP=3, ELSE GO TO SUBSAMP 2 (N6)).

NN4   How safe would you say the regular tap water is for drinking in your community – not too safe, somewhat safe or very safe?

> 1 = Not too safe
> 2 = Somewhat safe
> 3 = Very safe
> 8 = (VOL) Don't Know
> 9 = (VOL) Refused

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

PN9.   Do you think fluoride in the drinking water is beneficial for adult and children's teeth?

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

SUBSAMP=2 (ASK IF SUBSAMP=2, ELSE GO TO HEALTH CONDITIONS).

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 = Strongly Agree
2 = Somewhat Agree
3 = Somewhat Disagree
4 = Strongly 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.
cn   I would support requiring kids' meals that include toys to meet health nutrition standards
en   Supermarkets should be prohibited from selling unhealthy food items, like candy and soda, in their checkout aisles.

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
8 = (VOL) Don't Know
9 = (VOL) Refused

b. Diabetes (DIE-AH-BE-TEES) or sugar diabetes **(IF Q5=2, ADD:** other than during pregnancy")
    [IF ASKED: This does NOT include Pre-Diabetes.]
    (LACHS 07, 05, 02, 99, 97; BRFSS; NHIS)   IF YES GO TO QN12a, ELSE CONTINUE TO Q11c
c. High blood pressure or hypertension (**IF Q5=2, ADD:** other than during pregnancy) **(LACHS 07, 05, 02, 99, REVISED; MODIFIED BRFSS 2004)**   GO TO Q11d
d. High cholesterol (co-les-ter-all) **(LACHS 07, 05, 99; BRFSS 2004)**   GO TO Q11e
e. Depression or some other depressive disorder (IF NECESSARY: Such as bipolar disorder or manic depression) **(LACHS 07, 05, 02, 99)**   GO TO INSTRUCTIONS BEFORE Q12a

        QN12a Do you have Type 1 Diabetes or Type 2 Diabetes?

1 = Type 1 Diabetes	GO TO Q11C
2 = Type 2 Diabetes	GO TO Q11C
8 = (VOL) Don't Know	GO TO Q11C
9 = (VOL) Refused	GO TO Q11C

(IF Q11e=1, ASK Q12a.
ELSE GO TO MENTAL HEALTH QUESTIONS)
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 MENTAL HEALTH QUESTIONS)
Q12e.   Are you currently being treated for this disorder?

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

MENTAL HEALTH QUESTIONS

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

(insert item). (READ LIST)?

a. Little interest or pleasure in doing things

b. Feeling down, depressed, or hopeless

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

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

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

Q17.   Please tell me all that apply to you. Are you…(READ LIST; MULTIPLE RECORD) **(LACHS 07, 05; FIELD)**

1 = are you employed for pay? (IF NECESSARY: this includes being self-employed, working for a family business or for some other organization.)

3 = are you 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, or

8 = are you a student?
98 = (VOL) Don't Know
99 = (VOL) Refused

(IF Q17=1 OR 2 ASK Q17b.
ELSE GO TO INSTRUCTIONS PRIOR TO QC1.)
Q17b.   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

SUBSAMP 3 AND 5: (ASK IS SUBSAMP=3 OR 5; ELSE GO TO DISPLAY SCREEN PRIOR TO Q18).
NOTE: if QC1 and QC1a are asked in both subsamples 3 and 5, we should overlap the two modules right here.

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.

QC1.   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? [IF Q17=1, DISPLAY "Please do not include caregiving if it is part of your work or job."] **(LACHS 07 adult; BRFSS 2006)**

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

(IF QC1=1, ASK QC1a.
ELSE GO TO DISPLAY SCREEN PRIOR TO Q18.)
QC1a.   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 Q17=1 OR 2, read:* This can include vigorous activity you do while at work or home, for recreation or exercise.*)* **(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 Q17=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 Q18b & Q19b)_** 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 Q17=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)

If 65+ years (IF ((Q6=65 through 125) OR (Q6a=8, 9) OR (Q6b=2, 9)), ask QN21. ELSE GO TO DISPLAY PRIOR TO Q22.

QN21   Next, I will ask about recent falls. By a fall, we mean when a person unintentionally comes to rest on the ground or another lower level. [BRFSS 2012]

In the past 12 months, how many times have you fallen?

_____ Number of times [RANGE 0-97, 98=Don't Know, 99=Refused]
0=None
98=Don't know
99=Refused

If QN21=1-97, ask QN21a. ELSE GO TO DISPLAY PRIOR TO Q22.

QN21a   **IF QN21=1, ASK:** "Did this fall cause an injury? By an injury, we mean the fall caused you to limit your regular activities for at least a day or to go see a doctor.
[INTERVIEWER: if response is "Yes" (caused an injury); code 1. If response is "No," code 0.]"

IF QN21=2-97, ASK: "How many of these falls caused an injury? By an injury, we mean the fall caused you to   limit your regular activities for at least a day or to go see a doctor."

_____ Number of falls [RANGE 0-97, 98=Don't Know, 99=Refused]
0=None
98=Don't know
99=Refused
CATI: QN21a CANNOT BE GREATER THAN QN21.

Display: Next, I will ask about your neighborhood.

Q22.   Do you use parks, playgrounds, sports fields, or hiking or biking trails 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 QN22.)
Q22a.   How safe is it to walk or to use the parks, playgrounds, sports field s, or hiking or biking trails 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

QN22   Do you walk in your neighborhood? Would you say yes, no, or are you unable to walk?

1 = Yes	**SKIP TO NEXT SECTION**
2 = No	
3 = Unable to walk	**SKIP TO NEXT SECTION**
8 = (VOL) Don't Know	**SKIP TO NEXT SECTION**
9 = (VOL) Refused	**SKIP TO NEXT SECTION**

If QN22=2 "NO," ask QN22a. ELSE GO TO LOGIC FOR SUBSAMPLE 1.
QN22a Is this because….
(RANDONMIZE ITEMS)

a. You feel it is not safe from crime...YES………..No………Don't know……….Refused
b. There are no sidewalks……………YES………..No………Don't know……….Refused
c. The lighting is poor………………..YES………..No………Don't know……….Refused
d. There is too much traffic…….……YES………..No………Don't know……….Refused
e. You don't want to ………………….YES………..No……….Don't know……….Refused

SUBSAMP=1 (ASK SSN7 IF SUBSAMP=1, ELSE GO TO LOGIC FOR SUBSAMP 3).

DISPLAY:
Climate change also known as global warming refers to the idea that the world's average temperature has been increasing, and that the world's climate is changing as a result.

SSN7 I'm going to name a few of the possible impacts of climate change in Los Angeles, and I would like you to tell me whether you are very concerned, somewhat concerned, not too concerned, or not at all concerned about of each one.

(RANDOMIZE ITEMS)
a. More heat waves
b. Droughts and water shortages
c. Worse air pollution
d. Worse wildfires
e. Flooding along the coast
f. Contamination of drinking water
g. More diseases from mosquitos, like West Nile virus
h. More health problems, like asthma, allergies, or diseases

1 = Very concerned
2 = Somewhat concerned
3 = Not too concerned
4 = Not at all concerned
8 = (VOL) Don't Know/Not Sure
9 = (VOL) Refused

SUBSAMP=3 (ASK IF SUBSAMP=3, ELSE GO TO LOGIC FOR SUBSAMP 4).

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

The next question is about the arts..

H7 During the past month, did you participate in making art and sharing it with other people? This includes things like singing in a choir, playing in a band, acting in a play, showing a painting or drawing you made, or reciting a poem you wrote. (This does not include participation in a book group. It does include sharing art online.)
1 = Yes
2 = No
8 = (VOL) Don't Know
9 = (VOL) Refused

SUBSAMP=4 (ASK IS SUBSAMP=4; ELSE GO TO LOGIC FOR SUBSAMP 5).

Display: On another topic…

W2. The National Weather Service regularly monitors temperature in Los Angeles. They issue forecasts that can result in a *Heat Alert* when the expected temperature is between 95 to 104 °F for at least 2 consecutive days.

During this past year, did you see or hear any Heat Alerts issued in Los Angeles County?

1 = Yes

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

W3. During *Heat Alerts* Public Health officials recommend certain people going to air-conditioned locations such as libraries, community centers or designated "cooling centers".

Have you ever gone to a designated cooling center?
1 = Yes
2 = No
8 = (VOL) Don't Know
9 = (VOL) Refused

W4. Do you have functioning air conditioning anywhere in your home? Would you say… (READ LIST)

1 = No
2 = Yes, one or more window air conditioners, or
3 = Yes, central air conditioning
8 = (VOL) Don't Know
9 = (VOL) Refused

If "NO" to "functioning air conditioning," (W4=1), ask W4a, ELSE GO TO W5.
W4a. During very hot weather, if you cannot keep cool at home, where do you usually go?
[READ LIST]

1 = Stay home even though you are hot
2 = Go to someone else's air conditioned home
3 = Go to an air conditioned community center, library, or other public place
4 = Go to an air conditioned public place of business
8 = (VOL) Don't Know
9 = (VOL) Refused

If "Stay home even though you are hot," (W4a=1) askW4b, ELSE GO TO W5.
W4b What is the MOST IMPORTANT REASON why you don't leave home to find a cooler place during hot weather? Would you say it is because… (READ LIST)

1 = you don't have transportation
2 = you don't feel safe leaving your home
3 = you don't want to leave a pet
4 = your health makes it hard for you to leave home
5 = you don't know where to go, or
6 = you prefer to stay home
8 = (VOL) Don't Know
9 = (VOL) Refused

SUBSAMP=5 (IF SUBSAMP=5, ASK , AN2, A2 & A3; ELSE GO TO LOGIC FOR SUBSAMP 8)
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 natural disasters such as earthquakes, fires, and storms, or man-made disasters such as explosions, terrorist events or blackouts.

AN2 How well prepared do you feel your household is to handle a large-scale disaster or emergency? [READ LIST]

1 = Very prepared
2 = Somewhat prepared

3 = Not too prepared at all
4 = Not at all prepared
8 = (VOL) Don't Know
9 = (VOL) Refused

A2   How prepared is your community to deal with emergencies such as natural disasters or terrorism? (CHIS)
      [READ LIST]

      1. Very prepared
      2. Somewhat prepared
      3. Not too prepared at all
      4. Not at all prepared
      8. Do not know
      9. Refused

A3   How confident are you that the county's public health system can respond <u>effectively</u> to protect the health
      of the public? [READ LIST]

      1. Very confident
      2. Somewhat confident
      3. Not too confident
      4. Not at all confident
      8. Don't know
      9. Refused

SUBSAMP=8 (ASK IF SUBSAMP=8; ELSE GO TO HEALTH INSURANCE).

Display: Please tell me if you agree or disagree with each of the following statements about young children.

P1.   ***(insert item -- 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.

      Do you…(READ LIST)?

            P1 Answer Codes
            1 = Agree, or
            2 = Disagree?
            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   **GO TO P6**
            8 = (VOL) Don't Know   **GO TO P6**
            9 = (VOL) Refused   **GO TO P6**

      P5.   To the best of your knowledge, which of the following things do you associate with First
            Five L-A?

            (insert item -- 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

Do you associate this with First Five L-A?

P5 Answer Codes
1 = Yes
2 = No
8 = (VOL) Don't Know
9 = (VOL) Refused

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, or through Covered California.)

    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 Q25.)
Q24.   Is your 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

(IF ((Q6=65 through 125) OR (Q6a=8 OR 9) OR (Q6b=2)) OR (Q15=1 OR Q16=1 OR Q16a=1,
ASK Q24a.   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)

    c.   under MEDI-CAL or MEDICAID. (IF NECESSARY, SAY: the government's health insurance program for low-income individuals including families with children, seniors, pregnant women, and people with certain diseases or disabilities.)

    (Programmer: IF "YES" TO ITEMS c, b, cn1, or d, SKIP REST OF ITEMS) DO NOT SKIP IF
    YES TO Q24a (Medicare).

    b.   through your own or some other family member's EMPLOYER, UNION, TRADE ASSOCIATION, SCHOOL OR BUSINESS.

cn1. through one of the Covered California, also known as the Exchange Marketplace, health plans.

    d.   under your own or some other family member's MILITARY INSURANCE PROGRAM (like Champus or VA coverage).

(IF Q24a through Q24d ARE ALL NOT "YES", ASK Q24e.
ELSE GO TO INSTRUCTIONS BEFORE Q25.)

    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 Q25.).)

    f.   What is the type or name of your insurance? **(LACHS 07, 05)**

        1 = Gave Response (specify) _____
        2 = (VOL) NOT Insured
        8 = (VOL) Don't Know
        9 = (VOL) Refused

(IF Q23=2, ASK Q25 series.
ELSE GO TO INSTRUCTIONS BEFORE Q26.)
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)**

[IF ASKED: We are collecting insurance information to measure people's ability to access medical care in Los Angeles. This information will be used only by the research team and is completely confidential.]

        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 9) 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)

    c.   under MEDI-CAL or MEDICAID. (IF NECESSARY, SAY: the government's health insurance program for low-income individuals including families with children, seniors, pregnant women, and people with certain diseases or disabilities.)

(Programmer: IF "YES" TO ITEMS c, b, cn1, or d, SKIP REST OF ITEMS) DO NOT SKIP IF YES TO Q25a (Medicare).

    b.   through your own or some other family member's EMPLOYER, UNION, TRADE ASSOCIATION, SCHOOL OR BUSINESS.

    cn1. through one of the Covered California, also known as the Exchange Marketplace, health plans.

    d. under your own or some other family member's MILITARY INSURANCE PROGRAM (like Champus or VA coverage).

(IF Q25a through Q25d ARE ALL NOT "YES", ASK Q25e.
ELSE GO TO INSTRUCTIONS BEFORE BEFOREQ27.)

e. through a SEPARATE POLICY that you or some other family member bought DIRECTLY FROM AN INSURANCE PROVIDER.

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 (tried to get mental health care) OR Q12c=1 (currently receiving counseling), ASK Q28a.
ELSE GO TO Q31.)
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

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 QN32.)
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 QN32.)
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

QN32.　In the past year, have you seen…

　　a…a chiropractor for any reason?

　　b…an acupuncturist for any reason?

　　d…a dentist or dental clinic for any reason?

　　e…a doctor, nurse or other health care professional for any reason?

QN32 RESPONSES

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

If "yes to doctor, nurse, or other health care provider," (QN32_5) ask QN32a. ELSE GO TO INSTRUCTIONS PRIOR TO Q35.
QN32a　Were you asked about your alcohol or drug use by your doctor, nurse, or health care provider?
[IF ASKED: RESPONDENTS SHOULD NOT INCLUDE PRESCRIBED MEDICATION.]

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

(IF Q5=2, AND ((Q6=18THROUGH 65) OR (Q6A 17)OR (Q6b=1 or 9)), 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　　　　　　**GO TO INSTRUCTIONS PRIOR TO Q36**
　　　2 = No
　　　8 = (VOL) Don't Know
　　　9 = (VOL) Refused

((IF Q35=2 OR 8 OR 9)
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=50 through 74) OR (Q6a= 6 OR 7 OR 8) OR (Q6b=1, 2, or 9)), ASK Q36.
ELSE GO TO VACCINATIONS)***

Q36.   How long has it been since your
       last mammogram? Was it… (READ LIST)?

    (IF NECESSARY: A mammogram is an X-ray of each breast to look for breast cancer.)

       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

Q38.   During the PAST 12 MONTHS, have you had a regular seasonal flu shot or the flu mist that is sprayed in your nose? **(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 9) OR (Q6b=2, 9), ASK Q39.
ELSE GO TO TOBACCO QUESTIONS)***

Q39.   Have you ever had a pneumonia (NEW-MO-NE-AH) shot? (IF NECESSARY: 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; BRFSS)**

    (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

(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.   Have you ever smoked cigars, a pipe, a hookah or water pipe, or used smokeless tobacco, such as chew, dip, snuff, or snus (SNOOSE), electronic cigarettes, little cigars or cigarillos, or dissolvable tobacco products? (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
        7= Yes, little cigars/cigarillos
        8= Yes, dissolvable tobacco products (e.g., Orbs, Ariva)
        98 = (VOL) Don't Know
        99 = (VOL) Refused

        IF "YES" to each of above, ask:
        QN45a During the past 30 days, on how many days did you use…

        [RANGE: 0-30, 98-Don't Know, 99=Refused]

        1. Cigars   (ASK IF Q45=2)
        2. Pipe   (ASK IF Q45=3)
        3. Hookah/Water Pipe   (ASK IF Q45=4)
        4. Smokeless tobacco (chew, dip, snuff, snus)   (ASK IF Q45=5)
        5. Electronic cigarette   (ASK IF Q45=6)
        6. Little cigars/cigarillos   (ASK IF Q45=7)
        7. Dissolvable tobacco products   (ASK IF Q45=8)

    If "YES" to e-cigarette (Q45=6), ask QN45b, else go to instructions prior to Q46a.
        QN45b What type of electronic cigarette [IF QN45a_5=1-30, DISPLAY "do"; IF QN45a_5=0, 98, 99, DISPLAY "did"] you use?

        1. Disposable
        2. Refillable
        3. Custom-made
        8. (VOL) Don't know   **GO TO QN45g**
        9. (VOL) Refused   **GO TO QN45g**

If QN45b=1 "DISPOSABLE," ask QN45c-QN45d, else go to QN45e
QN45c Approximately how many disposable electronic cigarettes [IF QN45a_5=1-30, DISPLAY "do"; IF QN45a_5=0, 98, 99, DISPLAY "did"] you use in one day?

(RANGE: 0=Less than 1, 8=Don't Know, 9=Refused)
_____ # of e-cigarettes   [RANGE 0-4, 8, 9]

QN45d   How much nicotine is in each disposable electronic cigarette that you [IF QN45a_5=1-30,
           DISPLAY "are currently using?"; IF QN45a_5=0, 98, 99, DISPLAY "were using"?]

           1 _____ Gave answer in milligrams (MG) [RANGE 0 to 54 MG]
           2 _____ Gave answer in percentage [RANGE 0.0 to 3.6]
           8 (VOL) Don't Know
           9 (VOL) Refused

If QN45b=2, 3 "REFILLABLE" or "CUSTOM-MADE," ask QN45e-QN45f, else go to QN45g
QN45e Approximately how many refill cartridges [IF QN45a_5=1-30, DISPLAY "do" IF QN45a_5=0, 98, 99, DISPLAY "did"] you use in one day?

(RANGE: 0=Less than 1, 7=7 or more, 8=Don't Know, 9=Refused)
_____ # of cartridges   [RANGE 0-9]

QN45f What is the concentration of nicotine that you [IF QN45a_5=1-30, DISPLAY "use"; IF
       QN45a_5=0.98, 99, DISPLAY "used to use"] to refill the cartridges?

       (RANGE: 0=Less than 1, 36=36 or more, 98=Don't Know, 99=Refused)
       _____ mg/ml (milligrams per milliliter)   [RANGE 0-36, 98, 99]

QN45g   Approximately, how long [IF QN45a_5=1-30, DISPLAY "have you been using"; IF QN45a_5=0,
          98, 99, DISPLAY "did you use"] electronic cigarettes?

1.   One month or less
2.   More than one month but less than 6 months
3.   6 months or more but less than one year
4.   One year or more
8.   (VOL) don't know
9.   (VOL) refused

QN45h IF QN45a_5=1-30, ASK "Since you started using e-cigarettes, have you increased or decreased the
         amount of nicotine?"
         IF QN45a_5=0, 98, 99, ASK "During the time you used e-cigarettes did you increase or decrease
         the amount of nicotine?"

1.   Yes, increased
2.   Yes, decreased
3.   No, neither increased nor decreased
8.   (VOL) Don't know
9.   (VOL) Refused

IF QN45a_5=1-30, ASK QN45i. IF QN45a_5=0, 98, 99, GO TO QN45j.
QN45i   On how many of the past 7 days did you use an electronic cigarette in the home?
         _____ # days (0-7 days, 8=Don't Know, 9=Refused)

QN45k During the past 12 months, have you stopped using electronic cigarettes for one day or longer because you were trying to quit using them?

    1. Yes
    2. No   **GO TO Q46a**
    3. (VOL) Have not used an e-cigarette in past 12 months   **GO TO 46a**
    8. (VOL) Don't know   **GO TO Q46a**
    9. (VOL) Refused   **GO TO Q46a**

If "YES," ask:
QN45l What is the primary reason you stopped using electronic cigarettes?
    [READ LIST]

    1. I did not feel the need to use nicotine anymore
    2. I went back to smoking cigarettes
    3. I switched to nicotine replacement therapy/products instead
    4. I was worried about the side effect of this product
    5. The quality of the product was poor
    6. Other (specify): _____
    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 98 OR 99), GO TO Q52.)
(IF Q44=1, ASK Q46a.)
ELSE GO TO INSTRUCTIONS BEFORE Q47a.) *(If currently smokes every day…Q46a through Q46b are asked.)*
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/6b.)

(IF Q44=2, ASK Q47a.
ELSE GO TO INSTRUCTIONS BEFORE Q48a.) *(If currently smokes some days…Q47a through Q47d are asked.)*
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)

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/6b.).)*
5 = NEVER
8 = (VOL) Don't Know
9 = (VOL) Refused

(IF Q44=1 OR 2, ASK Q48a.
ELSE GO TO INSTRUCTIONS BEFORE Q49.) *(If Currently smokes every day or some days…Q48a through Q48q are asked.)*

Q48a. During the PAST 7 DAYS, on how many days did you smoke in your home? **(LACHS)**

_____ # of Days   (RANGE=0 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= 0 through 125; 0=Never; 998= Don't Know; 999=Refused)

(Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT Q6/Q6a/6b.).)

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

If "YES" to "Ever used electronic cigarette"(Q45=6) ask QN48e.
QN48e Did you switch from a conventional cigarette to an electronic 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

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 given at Q6/Q6a/6b.)*
    8 = (VOL) Don't Know
    9 = (VOL) Refused

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 an electronic cigarette

Do NOT ask if 48o=e,f,g,h:

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 (QN32_4=1 OR QN32_5=1), ASK Q49.
ELSE GO TO INSTRUCTIONS BEFORE Q50.) *(If Smoke Every Day or Some Days, and Saw a Doc or Dentist within past 12 months…Q51 through Q51a1 are asked.)*

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.) *(If Smoked at least 100 cigs, but not currently smoking….Q50 through Q50o are asked.)*

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/6b.).)

(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.) *(If Yes…Q50b through Q50c are asked.)*

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=0 through 125; 0=Less than 1 year; 998= Don't Know; 999=Refused)

(Programmer: ANSWER CANNOT EXCEED AGE GIVEN AT Q6/Q6a/6b.).)

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/6b.).)
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 (include those who gave answers is months, weeks, and days), ASK Q50m.
ELSE, GO TO INSTRUCTIONS PRIOR TO Q51.

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)
h. switched to an electronic cigarette

Do NOT ask if Q50m=e,f,g,h OR Q44=1, 2
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 – smoke cigarettes not at all, DK, Ref) AND (QN45a_1=1-30 OR QN45a_2=1-30 OR QN45a_3=1-30 OR QN45a_6=1-30), ASK Q51.
ELSE GO TO Q52.) *(If Not at ALL/DK/REF to currently smoking, but does currently smoke a cigar, pipe, or hookah, or little cigars/cigarillos…Q51 is asked.)*
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? This includes cigarillos, little cigars, or hookahs, but does NOT include electronic cigarettes. **(LACHS)**

____ # of Days (RANGE=0 through 7; 8=Don't Know; 9=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 BRFSS) [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

T0   How often are you exposed to second-hand smoke in OUTDOOR AREAS? This includes cigarettes, cigars, pipe, cigarillos and little cigars, but does NOT include electronic cigarettes.

(READ LIST)
1.   Daily
2.   4-6 times a week
3.   1-3 times a week
4.   Less than once a week but more than once a month
5.   Once a month or less
6.   Never
8   (VOL) Don't Know
9   (VOL) Refused

T1.   In your opinion, how harmful is EXPOSURE TO SECOND-HAND SMOKE TO ONE'S HEALTH? [READ LIST]

1 = Very harmful,
2 = Somewhat harmful,
3 = Not too harmful, or
4 = Not at all harmful?
8 = (VOL) Don't Know
9 = (VOL) Refused

T3.   Do you favor or oppose a law banning or prohibiting smoking …
(Randomize items)

a. In outdoor dining areas
b. Around all building entrances

d. At outdoor public events, such as farmer's markets, fairs or concerts

f. In recreation areas such as parks, sports fields or golf courses

T3 Answer Codes
1 = Favor
2 = Oppose
8 = (VOL) Don't Know
9 = (VOL) Refused

T4   What type of smoke-free policy would you support in multi-unit housing, such as apartments and condominiums? (READ LIST, Choose only one)

1 = Support a ban in all indoor and outdoor areas of the building.
2 = Support a ban prohibiting smoking in outdoor common areas but not inside the individual units.
3 = Oppose all smoke-free bans
8 = (VOL) Don't know
9 = (VOL) Refuse

SUBSAMP=7 (IF SUBSAMP=7, ASK T7; ELSE GO TO ALCOHOL QUESTIONS).

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.
bn. Store owners should be licensed to sell electronic cigarettes, in the same way they are licensed to sell liquor or beer.

d. It is easy for youth under age 18 to buy tobacco products in Los Angeles County.
e. Store owners should be penalized for selling tobacco products to minors.
     h. There should be more programs in Los Angeles County to help people quit smoking.In. The use of electronic cigarettes should be banned wherever smoking is banned.

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 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 LOGIC FOR SUBSAMPLE 5)
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.)

SUBSAMP=5 (IF SUBSAMP=5, ASK A1 SERIES; 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 holding bar and restaurant owners legally responsible for injuries, death and other harms caused by customers who recently drank alcohol at their establishments.
e.   A law limiting the number of businesses in a community that are licensed to sell alcohol.

Q55 ASK ALL
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 FIREARMS QUESTIONS.)

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

QN56d Where did you most recently get these prescription drugs?
[READ LIST]

1. From a doctor,
2. From a friend or relative,
3. From the internet, or
4. Some other way?
8. (VOL) Do not know
9. (VOL) Refused

(INSERT TIME STAMP)

The next questions are about firearms. Please include weapons such as pistols, shotguns, and rifles; but not BB guns, starter pistols, or guns that cannot fire. Include those kept in a garage, outdoor storage area, or motor vehicle. [2004 BRFSS]

(If necessary: We are asking these in a health survey because of our interest in firearm-related injuries.)

QN57a Are any firearms kept in or around your home?

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

If "YES," (QN57a=1) ask QN57b, ELSE GO TO NEXT SECTION.
QN57b Are these firearms now loaded?

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

QN57c Are these firearms locked in a cabinet, box, or some other firearm container? We don't count a safety as a lock.

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

SEXUAL/REPRODUCTIVE HEALTH

Display: The next few questions are about your sexual behavior.
(READ IF NECESSARY: 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 Q62.)
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.

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 Q60a.)

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 Q60a.
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), and (Q58b=1 through 997), ASK Q60a.
ELSE GO TO INSTRUCTIONS BEFORE Q61a.) *(If trying to get pregnant in the past 12 months, but not currently pregnant, and has had sex w/at least 1 man in past 12 months…Q60a is asked.)*

Q60a.   The last time you had sex, were you trying to get pregnant? Would you say yes, no, or you are currently pregnant?

1 = Yes
2 = No
3 = Currently pregnant
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 3 OR 8 OR 9)), ASK Q61a.
ELSE GO TO INSTRUCTIONS BEFORE Q62.) *(If Male and had sex w/at least 1 woman or 1 man…or Female and had sex w/at least 1 man AND did not try to get pregnant the last time she had sex (includes not being asked Q60a)….Q61 through Q61a is asked.)*

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 ((Q60a=2 OR 8 OR 9) OR (Q60a IS NOT ASKED)), ASK Q62.

ELSE GO TO INSTRUCTIONS BEFORE QN63A.) *(If Female, age 18 to 49, had sex with at least 1 man, did NOT have a hysterectomy, is NOT currently pregnant, and is not trying to get pregnant the last time she had sex…Q62 series is asked.)*

Q62.   I am going to read some 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"***)***?

    <u>Q62 series Answer Codes</u>
    1 = Yes
    2 = No
    8 = (VOL) Don't Know
    9 = (VOL) Refused

an. You or your partner used a condom

a.   You have your tubes tied or your partner had a vasectomy (vuh-seck-tuh-me) (If needed: You or your partner are sterilized.)

(Programmer: IF "YES" TO ITEMS a-i, SKIP REST OF ITEMS AND GO TO INSTRUCTIONS BEFORE QN63a.) DO NOT SKIP IF YES TO Q62an (condom).

b.   You used birth control pills, patch, or ring
c.   You are infertile (in-fur-til) or menopausal
d. You have an IUD or intrauterine (in-truh-you-ter-in) contraception
e. You used the birth control shot or implant
g. You used a diaphragm or cervical cap or sponge
h. You used emergency contraception
i. You used withdrawal or pulling out

CATI: READ THIS DISPLAY SCREEN TO ALL RESPONDENTS.

The next questions are about different types of violence in relationships with an intimate partner. By an intimate partner I mean someone you were dating, or romantically or sexually intimate with at any time in your life. (READ IF NECESSARY: This information will help us better understand the problem of violence in relationships.)

QN63a Has an intimate partner EVER hit, slapped, pushed, kicked, or hurt you in any way?
        1 = Yes
        2 = No
        8 = (VOL) Don't Know
        9 = (VOL) Refused

QN63b Have you EVER experienced any unwanted sex by a current or former intimate partner?
        1 = Yes
        2 = No
        8 = (VOL) Don't Know
        9 = (VOL) Refused

We realize that this topic may bring up experiences that some people may wish to talk about. If you or someone you know would like to talk to a trained counselor, there is a toll-free and confidential LA County domestic violence telephone hotline you can call. The number is 1-800-978-3600. Would you like me to repeat the number?

(If necessary: the hotline operates 24 hours a day, seven days a week. Callers may receive help in 13 languages (English, Spanish, Korean, Vietnamese, Mandarin, Cantonese, Tagalog, Khmer, Japanese, Thai, Armenian, Arabic and Farsi).)

DEMOGRAPHIC QUESTIONS

Display: Now 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/6b.).)***

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 1 (Specify): _____
8 = Other 2 (Specify): _____
9 = Other 3 (Specify): _____
10 = Other 4 (Specify): _____
98 = (VOL) Don't Know
99 = (VOL) Refused

(IF (Q65=1 AND Q66=1 through 5 OR 7-10) OR (MORE THAN 1 RESPONSE GIVEN FOR CODES 1 THROUGH 10 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?
(READ LIST)
(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 1" given at Q66)*
8 = *(insert verbatim response from "Other 2" given at Q66)*
9 = *(insert verbatim response from "Other 3" given at Q66)*
10 = *(insert verbatim response from "Other 4" given at Q66)*
11 = 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 QN66B.)
Q66a.   Which of the following best describes your Asian or Pacific Islander 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

ASK QN66b IF Q66=2 (Black / African-American); ELSE GO TO Q67.
QN66b Which of the following best describes your Black or African American ancestry or ethnic origin?
(READ LIST, MULTIPLE RECORD)

3 Belizean,
5 Ethiopian,
7 Jamaican,
8 Kenyan,
9 Nigerian,
15 American, (do not read – U.S.)
11 Or something else? (specify) _____
12 (VOL) African-American
13 (VOL) Black
14 (VOL) African (specify) _____
16 (VOL) Bahamian
17 (VOL) Barbadian
18 (VOL) Dominica Islander
19 (VOL) Haitian
20 (VOL) West Indies
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 = Tagolog (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 (4-year includes Bachelor's, BA, BS)
    6 = Post-graduate degree (includes Masters, PhD, JD, MD)
    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 Q71.)
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), ASK Q71.
ELSE GO TO INSTRUCTIONS BEFORE Q71b.)

Q71.   Do you have a cell phone for personal use?.

(IF NEEDED: Please include cell phones if they are used for ANY personal use. The respondent should NOT include cell phones used only for business calls.)

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

(IF CELL PHONE VERSION ("stype"=2) OR Q71=1, ASK Q71b. ELSE GO TO INSTRUCTION BEFORE Q73.)
Q71b.   How many working cell phone numbers do you *(IF S3 >1, read:* and other adults in your household*)* have? Please do not include cell phones used only by children 17 years of age and younger.

[IF NEEDED: The respondent should NOT include cell phones used only for business calls.]
_____ Enter # (RANGE=1 through 5; 5=5 or more; 8=Don't Know;9=Refused)

IF STYPE=1 (landline) and Q71=1 (has cell phone), ASK Q71c.
IF STYPE=2 (cell phone) and Q69=1 (has landline), ASK Q71c.
ELSE GO TO GO TO INSTRUCTIONS PRIOR TO Q73.
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

(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 BRFSS)**

[INTERVIEWER: ALWAYS READ THE RESPONSE CODE # ALONG WITH THE RESPONSE]
(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

(IF Q77=2 through 20, ASK Q77a.
ELSE GO TO LOGIC FOR 'totadults'.)
Q77a. *(IF RESPAGE=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)
(CATI: IF RESPAGE=2, ZERO '0', CANNOT BE ACCEPTED.)
(CATI: Answer can NOT exceed Q77.)

Q77b. *(IF RESPAGE=1, 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)
(CATI: IF RESPAGE=1, ZERO '0', CANNOT BE ACCEPTED.)
(CATI: Answer can NOT exceed Q77.)

(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), ASK Q78.)**
> **IF Q77=98 OR 99 (DK/Ref # of people in HH), ASK Q78**

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 Q79.)**

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 (Q78a=1 through 20) and (Q78b=1 through 20) and (Q78c=1 through 20), set
"totchild" to sum of Q78a+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 Q79.
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 **FOLLOW LOGIC DETAILED FOR Q78v2**
RESPONSES

(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."
    IF Q77=98, 99, set " incchild" = "totchild")

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. [INTERVIEWER NOTE: a response of "Lease" should be coded as "rent".]

    1 = Rent
    2 = Own
    3 = Other arrangement
    4 = Homeless (do not have your own place to live or sleep)
    8 = (VOL) Don't Know
    9 = (VOL) Refused

If "YES" to "RENT" (Q79=1) ask QN79a; ELSE GO TO LOGIC FOR SUBSAMP 6.
QN79a Do you live in a rent controlled building? [IF NECESSARY: A rent controlled building is one in which the law limits how much your landlord can increase your rent each year.]

1. Yes
2. No
8. Don't know
9. Refused

SUBSAMP=6 (IF SUBSAMP=6, ASK T5 and T6, ELSE GO TO LOGIC PRIOR TO QN79b).

ASK T5 IF Q79=1 (RENT); 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

ASK TN6 IF Q79=1, 2, OR 3; ELSE GO TO LOGIC PRIOR TO QN79b.
TN6.   In which type of housing do you currently live? Is it a single-family detached home, a condominium or
townhouse, an apartment building with 4 units or less, an apartment building with 5-15 units, an apartment
building with more than 15 units, or something else?

            1 = single-family detached home
            2 = condominium or townhouse
            3 = Apartment with 4 units or less
            4 = apartment with 5-15 units
            5 = apartment with more than 15 units
            6 = Other
            8 = (VOL) Don't Know
            9 = (VOL) Refused

ASK QN79b IF Q79=1, 2, OR 3; ELSE GO TO LOGIC PRIOR TO Q80.
QN79b. How long have you lived at this residence?

            Months _____ [RANGE 0-11]
            Years   _____ [RANGE 1-125] (CATI: THE NUMBER OF YEARS SHOULD **NOT** EXCEED
                                RESPONDENT'S AGE AT *Q6/Q6a/6b.*))

IF Q79=4 (Homeless) OR QN79b>5 YEARS, GO TO HOUSEHOLD INCOME.
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

(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 "poverty"…will be set as follows:

# of HH members	If…	...set "poverty" to…
No Children Under 18		
1 Adult (Under 65)	(("totadult"=1) and ("incchild"=0)) and (RESPAGE=1 OR 3)	$12,119
1 Adult (65+)	(("totadult"=1) and ("incchild"=0)) and (RESPAGE=2)	$11,173
2 Adults (Resp. Under 65)	(("totadult"=2) and ("incchild"=0)) and (Q77a=0)	$15,600
2 Adults (Resp. 65+))	(("totadult"=2) and ("incchild"=0)) and (Q77a>0)	$14,081
3 Adults	(("totadult"=3) and ("incchild"=0))	$18,222
4 Adults	(("totadult"=4) and ("incchild"=0))	$24,028
5 Adults	(("totadult"=5) and ("incchild"=0))	$28,977
6 Adults	(("totadult"=6) and ("incchild"=0))	$33,329
7 Adults	(("totadult"=7) and ("incchild"=0))	$38,349
8 Adults	(("totadult"=8) and ("incchild"=0))	$42,890
9+ Adults	(("totadult">8) and ("incchild"=0))	$51,594
1 Child Under 18		
1 Adult (Resp. Under 65)	(("totadult"=1) and ("incchild"=1)) and (RESPAGE=1 OR 3)	$16,057
1 Adult (Resp. 65+)	(("totadult"=1) and ("incchild"=1)) and (RESPAGE=2)	$15,996
2 Adults	(("totadult"=2) and ("incchild"=1))	$18,751
3 Adults	(("totadult"=3) and ("incchild"=1))	$24,421
4 Adults	(("totadult"=4) and ("incchild"=1))	$29,398
5 Adults	(("totadult"=5) and ("incchild"=1))	$33,461
6 Adults	(("totadult"=6) and ("incchild"=1))	$38,588
7 Adults	(("totadult"=7) and ("incchild"=1))	$43,269
8+ Adullts	(("totadult">=8) and ("incchild"=1))	$51,844
2 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=2))	$18,769
2 Adults	(("totadult"=2) and ("incchild"=2))	$23,624
3 Adults	(("totadult"=3) and ("incchild"=2))	$28,498
4 Adults	(("totadult"=4) and ("incchild"=2))	$32,771
5 Adults	(("totadult"=5) and ("incchild"=2))	$37,763
6 Adults	(("totadult"=6) and ("incchild"=2))	$42,490
7+ Adults	(("totadult">=7) and ("incchild"=2))	$51,154
3 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=3))	$23,707
2 Adults	(("totadult"=2) and ("incchild"=3))	$27,801
3 Adults	(("totadult"=3) and ("incchild"=3))	$32,110

4 Adults	(("totadult"=4) and ("incchild"=3))	$37,187
5 Adults	(("totadult"=5) and ("incchild"=3))	$41,807
6+ Adults	(("totadult">=6) and ("incchild"=3))	$50,575
4 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=4))	$27,376
2 Adults	(("totadult"=2) and ("incchild"=4))	$31,128
3 Adults	(("totadult"=3) and ("incchild"=4))	$36,115
4 Adults	(("totadult"=4) and ("incchild"=4))	$40,839
5+ Adults	(("totadult">=5) and ("incchild"=4))	$49,625
5 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=5))	$30,545
2 Adults	(("totadult"=2) and ("incchild"=5))	$34,865
3 Adults	(("totadult"=3) and ("incchild"=5))	$39,610
4+ Adults	(("totadult">=4) and ("incchild"=5))	$48,317
6 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=6))	$33,493
2 Adults	(("totadult"=2) and ("incchild"=6))	$38,331
3+ Adults	(("totadult">=3) and ("incchild"=6))	$47,134
7 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=7))	$38,006
2+ Adults	(("totadult">=2) and ("incchild"=7))	$46,842
8+ Children Under 18		
1+ Adult	(("totadult">=1) and ("incchild">7))	$45,037

QN84.   Is your household's total annual income from all sources before taxes…(READ LIST)?

>1 = Above *("poverty" x 1.85)*, or
>2 = Below *("poverty" x 1.85)*?
>8 = (VOL) Don't Know
>9 = (VOL) Refused

(IF QN84=1, ASK Q84
IF QN84=2 OR 8 OR 9, GO TO Q84a.)
Q84.   Is it…(READ LIST)?

>1 = Above *("poverty" x 2)*, or
>2 = Below *("poverty" x 2)*?
>8 = (VOL) Don't Know
>9 = (VOL) Refused

(IF Q84=1, GO TO Q84b.
IF Q84=2, 8, OR 9, GO TO INSTRUCTIONS BEFORE Q85.
IF QN84=2, 8, OR 9, ASK Q84a.)
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 (QN84=2 OR 8 OR 9) ASK Q85.
ELSE GO TO FOOD INSECURITY.)
Q85.   Are you currently receiving food stamps also known as Calfresh or SNAP? **(LACHS 05)**

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

IF ("YES" to Q85 (q85=1)), ask QN85a OR
IF ("NO", DON'T KNOW OR REFUSED to Q85 (Q85=2, 8, 9) AND (Q24c=1 or Q25c=1 (i.e.
"YES" to Medi-Cal)), ask QN85a.
ELSE GO TO FOOD INSECURITY.
QN85a Have you heard of "Champions for Change"?
1 = Yes
2 = No
8 = (VOL) Don't Know
9 = (VOL) Refused

IF YES, ASK QN85B, ELSE GO TO QN85D:
QN85b Where did you hear of 'Champions for Change'?

[READ LIST, MULIPLE RECORD]

1 BILLBOARD/TV/BUS
2 Internet/Social Media
3 Grocery store, health fair, church, farmers market
4 At a WIC office or social service office
5 Someplace else (specify:_____)
8 (VOL) Don't Know
9 (VOL) Reused

QN85c Have you ever taken part in a class, workshop or other group activity about eating fruits and vegetables, drinking healthy beverages, or being physically active that was sponsored by Champions for Change?
(Info Note: California Department of Public Health Mom with Child Ages 5-11 and Child-Proxy Survey Q M29)

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

QN85d Have you received nutrition education about any of the following topics in a school, church, grocery store, community or recreational center, worksite, or farmers' market?
.

	Yes	No	Don't know	Refused
Using *MyPlate* to plan healthy meals	1	2	8	9
Rethink Your Drink	1	2	8	9
Shopping with a List	1	2	8	9
Shopping on a budget	1	2	8	9
Reading Food Labels	1	2	8	9
Harvest of the Month	1	2	8	9

QN85e Thinking about all the food you eat in a typical day, what portion of your 'plate' (total food you eat) would be made up of fruits and vegetables versus all other foods? (READ LIST)

    1. NONE
    2. ¼ OF YOUR PLATE (25%)
    3. ½ OF YOUR PLATE (50%)
    4. ¾ OF YOUR PLATE (75%)
    5. ALL OF YOUR PLATE (100%)
    8. Don't know
    9. Refused

USDA Evaluation Primary Shopper Survey (pbh) MODIFIED (TOTAL CONSUMED CHANGED TO TOTAL FOOD YOU EAT) Q12 2013
SNAP-ED DOMAIN: MEDIUM-TERM OUTCOMES DIETARY BEHAVIORS RELATED MY PLATE MESSAGING

QN85f What type of store do you normally go to buy groceries? Would you say it is a:

    1.   Large chain grocery store or supermarket
    2.   Small local store, corner store, or convenience store (like a 7-Eleven or mini market)
    3.   Warehouse club store (like a Sam's Club or Costco) or Discount superstore (such as Wal-Mart or Target)
    4.   Small ethnic market
    5.   Or some other store? (specify) _____
    8.   Don't know
    9.   Refused

FOOD INSECURITY **(TO BE ASKED IF HH INCOME IS <300% FPL OR UNKNOWN)**

ASK Q86 IF QN84=2, 8, 9 (LESS THAN, DK, REF FPL x 1.85),
OR IF Q84=2, 8, 9 (LESS THAN, DK, REF FPL x 2),
OF IF Q84c=2, 8, 9 (LESS THAN, DK, REF FPL x 3).
ELSE, SKIP TO INSTRUCTION PRIOR TO Q90.

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? [READ LIST] **(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)***
(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.

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

(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 (SPECIFY); 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.   Since LA County is so large and diverse, the Department of Public Health is interested in better assessing the health and well-being of residents at local levels and addressing ways to improve their lives. In order to assist the county, I would like to get your [*IF fprof=30082c CELL PHONE VERSION, display* "mailing" *IF fproj=30082l LANDLINE VERSION, display* "home"] address. *(IF CELL PHONE VERSION (30082c), 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 kept strictly confidential and will not be shared outside of the research team. Would you be willing to provide your address?

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 (30082c).)*
STREET -:
APT NUMBER -: *(ONLY ASK FOR CELL PHONE VERSION (30082c).)*
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)*

ASK QN92 IF fproj=30082c (ADULT CELL PHONE). IF fproj=30082l (ADULT LANDLINE), SKIP TO GEOCODE.
QN92.   Is this the address for your home where you live?

1 = Yes   *SKIP TO GEOCODE*
2 = No
8 = (VOL) Don't know/Not sure
9 = (VOL) Refused

ASK QN92a IF QN92>1 (ADDRESS FOR CHECK IS NOT HOME ADDRESS).
QN92a I would like to get your home address. Please let me assure you 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   **GO TO Q92a**

(IF QN92a=1, ASK ADDRESS)
ADDRESS.   **CATI: DISPLAY STREET FIELD TO BE POPULATED AND POPULATE CITY FROM**
Q90 AND POPULATE ZIP CODE FROM Q91

STREET -:
CITY -: **(IF Q90 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER)**
STATE -: **(PRE-POPULATE WITH "CALIFORNIA")**
ZIPCODE -: **(IF Q91 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER)**
NOW SKIP TO GEOCODE

(IF Q92=9 OR QN92a=9 ASK Q92a.)
Q92a.   Then can you give me the street that you live on and the closest street
that crosses it?

1 = Gave Response
9 = (VOL) Refused   **GO TO ADINTX**

STREET & CROSS-STREET MODULE (RECORD STREET & CROSS-STREET IN SEPARATE FIELDS):
STREET : What is the name of the street that you live on?

CROSS-STREET: What is the name of the street down the corner from you that crosses your street?
(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?")

(NOW GO TO "GEOCODE"…ALLOW INCOMPLETE ADDRESS TO CONTINUE.)

GEOCODE.   **(Send information from Q92 or Q92a for live geo-coding. Return the "status code," "score,"**
latitude," "longitude", "SPA", "BSC" and "address/county.")

(IF "score" is >=70, write the returned information from "GEOCODE" into the data,
then go to instructions before ADINTX. Store the information from Q92 or
Q92a
separately from the information returned from "GEOCODE.".
IF ("score"<70) OR GO TO Q92v.
Q92v.   Unfortunately, our system is not recognizing this information. Let me repeat back
what I typed in case I recorded something incorrectly.

1 = Yes
9 = Refused   **GO TO ADINTX**

IF INFORMATION FROM ADDRESS MODULE WAS USED FOR GEOCODING (Q92=1)
Q93.   I have your street address and ZIP code listed as… [INTERVIEWER: READ BACK AND VERIFY.]

STREET -:   **(PRE-POPULATE WITH ANSWER FROM ADDRESS MODULE/Q92.)**
ZIPCODE -:   **(PRE-POPULATE WITH ANSWER FROM ADDRESS MODULE/Q92.)**

1 = Information is correct
2 = EDIT – STREET
6 = EDIT – ZIP CODE
9 = (VOL) Refused

(IF Q93=1, GO TO "GEOCODE2."
IF Q93=9, GO TO INSTRUCTIONS FOR ADINTX.)

IF CROSS-STREETS WERE USED FOR GEOCODING (C82a=1)
Q93a.   I have the name of the street that you live on and the closest street that crosses it recorded as…
[INTERVIEWER: READ BACK AND VERIFY.]

STREET -:   *(PRE-POPULATE WITH ANSWER FROM Q92a.)*
CROSS-STREET-:   *(PRE-POPULATE WITH ANSWER FROM Q92a.)*
ZIPCODE -:   *(PRE-POPULATE WITH ANSWER FROM Q91.)*

1 = Information is correct
2 = EDIT – STREET
6 = EDIT – ZIP CODE
9 = (VOL) Refused

(IF Q93a=1, GO TO "GEOCODE2"… ALLOW INCOMPLETE ADDRESS TO CONTINUE.
IF Q93a=9, GO TO INSTRUCTIONS FOR ADINTX.)

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
ADINTX. 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)

ADINTX (CATI assign a value of '1' for all cases to reach this point.)
1.   Adult Complete

RECRUIT
(IF "totchild">0, create dummy variable called "recruit" and assign it value of 1, THEN GO TO "Child Survey").
ELSE ASK 'FOLLOWUP'.)
CATI: IF RECRUIT=1, UPDATE ELEMENT 'ADCHLD' TO '2'

FOLLOWUP   If we have any future surveys would you be willing to be contacted again to participate?

1   Yes
2   No
9   Refused

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

Appendix II-C: Child Survey Questionnaire

> **Programmer:** *"INTRODUCTION 1" through "SC2" series only need to be included when setting up the Child Supplemental versions (30082sl/30082sc).*
>
> *When setting up the Adult Landline (30082l) and Adult Cell Phone (30082c) versions, start with the "INSTRUCTIONS FOR RANDOM SELECTION OF CHILD" section.*

INTRODUCTION 1 [LANDLINE VERSION stype=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

(NOW GO TO CZ9.)

Introduction 1 [CELL PHONE VERSION "stype"=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

CZ1.   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 CZ1=1 OR 9, ASK CZ2.
ELSE GO TO CZ3.)

CZ2.   When would be a better time to call you back?

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

(IF CZ2=1, SCHEDULE CALLBACK.
ELSE DISPOSITION AS REFUSAL AND READ: "Thank you very much for your time."*)*

CZ3.   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 CZ3=2, ASK CZ4.

IF CZ3=1, GO TO CZ8.
ELSE DISPOSITION AS REFUSAL AND READ: "Thank you very much for your time."*)*

CZ4.   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 CZ4=2, ASK CZ5.
IF CZ4=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."*)*

CZ5.   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 CZ5=1, ASK CZ6.
IF CZ5=2, GO TO CZ7.
ELSE DISPOSITION AS REFUSAL AND READ: "Thank you very much for your time."*)*

CZ6.   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
> 9 = (VOL) Refused

(IF CZ6=1, GO BACK TO CZ1.
IF CZ6=2, SCHEDULE CALLBACK.
ELSE DISPOSITION AS REFUSAL AND READ: "Thank you very much for your time."*)*

CZ7. 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 CZ7=1 OR 8, SCHEDULE CALLBACK.
ELSE DISPOSITION AS REFUSAL AND READ: "Thank you very much for your time."*)*

CZ8.   Is this *(PHONE NUMBER)*?

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

(IF CZ8=1, ASK CZ9.
IF CZ8=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 CZ8=9, DISPOSITION AS REFUSAL AND READ: "Thank you for your time."*)*

ASK CZ9 OF ALL RESPONDENTS (CELL and LANDLINE)
CZ9.   In order to make sure our information is correct, 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 CZ9=8 or 9, DISPOSITION AS SOFT REFUSAL AND READ: "Thank you very much for your time."

IF CZ9=1 AND FRAME IS LANDLINE (30082sl), CHANGE SMPSTYPE=2 (Cell Phone), THEN GO TO INTRODUCTION 2.

IF CZ9=2 AND FRAME IS CELL PHONE (30082sc), CHANGE SMPSTYPE=1 (Landline), THEN GO TO INTRODUCTION 2.

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

QUALIFIED LEVEL =1

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 C80.
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

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

CATI: CREATE VARIABLE BSCHH=0. (This variable uses the zip code to predict which households live in a BSC.)
REFER TO "LACHS_BSC_Zip_Codes_CATI.xlsx" IF THE ZIP CODE IS LISTED, THEN BSCHH=1.

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"=30082c OR 30082l, 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 <u>ENTIRE</u> 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 AND BSCHH=1 AND THERE IS A CHILD 0-5 (SC2c>0), ALWAYS SELECT A 0-5 CHILD FOR THE INTERVIEW. IF THERE IS MORE THAN ONE 0-5 CHILD, RANDOMLY SELECT ONE OF THE 0-5 CHILDREN.

    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"
            > "2nd Oldest"
            > "3rd Oldest"
            > ETC

    NOW GO TO R1.)

R1.   We would like to ask some questions about the health and daily routines of *(IF "totchild"=1, read:* "the child under age 18 who lives in this household"*)(IF "totchild">1, read: "*the *(insert "position")* child who is between the ages of *(insert age* **group)** who lives in this household"**) (IF ADULT SURVEY (30082c OR 30082I) OR CELL CHILD SUPPLEMENT (30023sc), insert:* "As a way of reimbursing you for your time, we will pay you $10 once you have completed the new survey.*)* Do you know this child well enough to answer questions about (his/her) health, (his/her) doctor visits, what kinds of food (he/she) eats, and (his/her) general activities.

        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.   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 knows *(IF "totchild"=1, read:* "the child under age 18 who lives in this household")*(IF "totchild">1, read: "*the *(insert "position")* child who is between the ages of *(insert "age group")* who lives in this household"*)* well enough to answer questions about (his/her) health and daily routines?

        1 = Yes, new respondent brought to phone   **GO TO INSTRUCTIONS AT R2a1**
        2 = Yes, but new respondent not available   **ASK R2ax**
        3 = Yes, but new respondent NOT willing / Refuses **SOFT REFUSAL**
        4 = No adults in household are knowledgeable enough   **SCREEN-OUT R2a**
        9 = (VOL) Refused / Not willing to transfer call   **SOFT REFUSAL**

     R2ax   I need to confirm this adult is a member of your household and, if so, is there a different, better telephone number at which I can contact this person?

            1 = Adult is not a member of the household   **GO BACK TO R2a**
            2 = Adult is HH member, new phone   **UPDATE PHONE, THEN GO TO R2a1**
            3 = Adult is HH member, same phone   **GO TO R2a1**

    (IF R2a=1, GO TO R2b.
        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 R4.)

R2b.   Hello. I'm _____ and I'm calling on behalf of your Los Angeles County Department of Public Health. I spoke with another adult member of your household, and he/she indicated that you know *(IF "totchild"=1, read:* "the child under age 18 who lives in this household")*(IF "totchild">1, read: "*the *(insert "position")* child who is between the ages of *(insert age group)* who lives in this household"*)* well enough to answer questions about (his/her) health, (his/her) doctor visits, what kinds of food (he/she) eats, and (his/her) general activities to answer questions about (him/her). 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 R4.)
R2b1.　*(IF ADULT SURVEY (30082I OR 30082c) OR CELL CHILD SUPPLEMENT (30023sc),*
　　　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.
　　　IF R2b1=9, DISPOSITION AS SOFT REFUSAL AND READ: "Thank you very much for
　　　your time."*)*

(IF (ADULT VERSION (30082c or 30082I) AND R2=1)), GO TO R4.
IF (CHILD SUPPLEMENT VERSION (30082sI or 30082sc) 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 R4.
　　　IF R3=2 through 8, GO TO R3a.
　　　IF R3=9 OR 98, ASK R3b.
　　　IF R3=99, INSTRUCTIONS BEFORE R4.)

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
　　　　　2 = ALREADY INTERVIEWING IN PREFERRED LANGUAGE (GO TO R4)

　　　(Programmer: WHEN CALLED BACK, SURVEY SHOULD START AT R4.)

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 enough about the health and daily routines of *(IF
　　　"totchild"=1, read:* "the child under age 18 who lives in the household")*(IF "totchild">1, read: "*the
　　　(insert "position") child who is between the ages of *(insert "age group")* who lives in the
　　　household"*)*?

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

　　　(IF R3b=1, ASK R3b1.

IF R3b=2 OR 9, DISPOSITION AS LANGUAGE BARRIER AND READ: "Thank you. Those are all the questions I have.".*)*

R3b1   May I please speak with that person?

                        1 = Yes, new adult brought to phone   **GO TO INSTRUCTIONS AT R3b2**
                        2 = Not available now
                        9 = (VOL) Refused   **SOFT REFUSAL, READ:** "Thank you. Those are all the questions I have."

      R3bx   I need to confirm this adult is a member of your household and, if so, is there a different, better telephone number at which I can contact this person?

                        1 = Adult is not a member of the household **GO BACK TO R2a**
                        2 = Adult is HH member, new phone   **UPDATE PHONE, THEN GO TO R3b1a**
                        3 = Adult is HH member, CB on same phone   **GO TO R3b1a**

    (IF R3b1=1, GO TO R3b2.
    IF R3b1=2, ASK R3b1a.

    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 R4.)

R3b2.   Hello. I'm _____ and I'm calling on behalf of your Los Angeles County Department of Public Health. I spoke with another adult member of your household, and he/she indicated that you know *(IF "totchild"=1, read:* "the child under age 18 who lives in this household"*)(IF "totchild">1, read: "*the *(insert "position")* child who is between the ages of *(insert age group)* who lives in this household"*)* well enough to answer questions about (his/her) health, (his/her) doctor visits, what kinds of food (he/she) eats, and (his/her) general activities to answer questions about (him/her). 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 R4.)
    R3b2a. We would like to ask some questions about the health and daily routines of this child. *(IF ADULT SURVEY (30082c OR 30082l) OR CELL CHILD SUPPLEMENT (30023sc), 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, ASK R3L.
ELSE INSTRUCTIONS BEFORE R4.)

R3L. 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

[CATI: AUTOPUNCH IF S3 <98 FROM ADULT SURVEY, ELSE ASK ALL:]
R4. Including yourself, how many adults aged 18 or older live in your household?

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

[ASK IF R4=2]
R5a. Compared to you, when answering questions about (CHILD)'s health and daily routines, would you say the other adult in the household is equally knowledgeable as you, more knowledgeable than you, or less knowledgeable than you?

1 EQUALLY KNOWLEDGEABLE
2 MORE KNOWLEDGEABLE
3 LESS KNOWLEDGEABLE
8 DON'T KNOW
9 REFUSED

[ASK IF R4 >2, 98, OR 99]
R5b. Compared to you, when answering questions about (CHILD)'s health and daily routines, would you say any of the other adults in the household are *more* knowledgeable than you?
[INTERVIEWER NOTE: IF OTHER ADULTS ARE EQUALLY BUT NOT MORE KNOWLEDGEABLE, ENTER "NO"]

1 Yes, some are more knowledgeable
2 No, none are more knowledgeable
8 DON'T KNOW
9 REFUSED

[ASK IF R5B=1]
R5c. How many of these other adults are more knowledgeable than you about (CHILD)'s health and daily routines?

_____ (RANGE=1-TOTAL NUMBER OF ADULTS IN HH]
98   DON'T KNOW
99   REFUSED

(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), THANK & END – HARD REFUSAL.
ELSE GO TO C1.)

IF ADULT SURVEY RESPONDENT (30082pl, 30082l, 30082c),SKIP TO C1. ELSE READ DISPLAY SCREEN.
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 or initials?

_____ Enter Name/Initials

QUALIFIED LEVEL =2

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 must be consistent with age range of randomly selected child.)

(IF C2=99 AND (RANDOM CHILD IS (6 to 11) OR (12 to 17)), 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 to17 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 C4=7 OR 8, GO TO INSTRUCTIONS PRIOR TO C5. ELSE ASK CN4.
CN4   Are you the person or one of the people who makes decisions about healthcare, vaccinations, and childcare for *(child)*?

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

IF C4=1, 2, 5, 6, 7, OR 8 (Biological, Adoptive, or Foster parents), GO TO INSTRUCTIONS PRIOR TO C5. ELSE ASK CN4a.
CN4a   Are you a legal guardian for *(child)*?

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

 (IF (R2=1) AND Q5 FROM ADULT SURVEY (30082c OR 30082l) 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 C7.
ELSE GO TO INSTRUCTIONS BEFORE C9h.)
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-C8f.
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?
f. Did **(child)** use a pacifier in the hospital?

(IF (C8a<>1) AND ((C8b<>1) OR (C8b NOT ASKED)) AND ((C8c<>1) OR (C8c NOT ASKED)), ASK C9.
ELSE GO TO INSTRUCTIONSBEFORE 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)

ASK IF C2=0 THROUGH 2 OR C2A=1). ELSE GO TO C9f.

C9d.   How old was *(child)* when *(he/she)* was FIRST fed formula? **(New LACHS 2010, CDC NIS 2010)**

    [NOTE: SIMILAC AND ENFAMIL ARE TWO POPULAR BRANDS OF FORMULA.]
    (ROUND TO CLOSEST DAY, WEEK, MONTH OR YEAR IF NECESSARY. (1 year = 12 months))
    [RANGE NOTE FOR TIME FRAMES: 555=AT BIRTH, 666=NEVER, 999= REFUSED]

        1 = Gave Answer in Days (RANGE=0 to 90)   **GO TO C9e**
        2 = Gave Answer in Weeks (RANGE=1 to 52)   **GO TO C9e**
        3 = Gave Answer in Months (RANGE=1 to35)
        4 = Gave Answer in Years (RANGE=1 to 2)
        555 = (VOL) At birth   **GO TO C9e**
        666 = (VOL) Never / Still only feeding breast milk **GO TO C9e**
        888 = (VOL) Don't Know **GO TO C9e**
        999 = (VOL) Refused   **GO TO C9e**

CATI: IF C9a=1, 8, 9 (Yes, DK, REF, -- C9b not asked), GO TO C9e
IF C9b=0, 98, OR 99, GO TO C9e. ELSE COMPARE RESPONSES TO C9b AND C9d.
IF RESPONDENT GAVE ANSWER IN YEARS, CONVERT INTO MONTHS 1 YR =12 MNTH, 2 YR = 24 MNTH.
IF C9d MONTHS IS LESS THAN OR EQUAL TO C9b MONTHS, GO TO C9e.
IF C9d MONTHS IS GREATER THAN C9b MONTHS, CONFIRM RESPONSE:

    CNFC9d   I would like to confirm I recorded your information correctly.
        (child) stopped breastfeeding at [C9b] month(s) and
        (child) was first fed formula at [C9d months/C9d years].
        What was *(child)* fed during the time in between?

        1 = Correct breastfeeding C9b   **GO BACK TO C9b**
        2 = Correct formula C9d **GO BACK TO C9d**
        9 = 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 90)   **GO TO INSTRUCTION AT C9f**
        2 = Gave Answer in Weeks (RANGE=1 to 52)   **GO TO INSTRUCTION AT C9f**
        3 = Gave Answer in Months (RANGE=1 to 35)
        4 = Gave Answer in Years (RANGE=1 to 2)
        555 = (VOL) At birth   **GO TO INSTRUCTION AT C9f**
        666 = (VOL) Never fed anything other than breast milk or formula   **GO TO INSTRUCTION AT C9f**
        888 = (VOL) Don't Know **GO TO INSTRUCTION AT C9f**
        999 = (VOL) Refused   **GO TO INSTRUCTION AT C9f**

CATI: IF C9a=1, 8, 9 (Yes, DK, REF, -- C9b not asked), GO TO INSTRUCTION PRIOR TO C9f.
IF C9b=0, 98, OR 99, GO TO INSTRUCTIONS PRIOR TO C9f. ELSE COMPARE RESPONSES TO C9b, C9d AND C9e.
IF RESPONDENT GAVE ANSWER IN YEARS, CONVERT INTO MONTHS 1 YR =12 MNTH, 2 YR = 24 MNTH.
IF (C9e MONTHS IS GREATER THAN C9b MONTHS) AND (C9d MONTHS IS GREATER THAN C9b MONTHS), CONFIRM RESPONSE.
ELSE GO TO INSTRUCTIONS PRIOR TO C9f

(Asked if first given food and formula after stopped breastfeeding,which implies the child was not eating for a period of time)

CNFC9e | I would like to confirm I recorded your information correctly.
(child) stopped breastfeeding at [C9b] month(s) and
(child) was first fed formula at [C9d months/C9d years] and
(child) was first fed something else at [C9e months/C9e years].
What was *(child)* fed during the time in between?

> 1 = Correct breastfeeding C9b   **GO BACK TO C9b**
> 2 = Correct formula C9d **GO BACK TO C9d**
> 3 = Correct food C9e **GO BACK TO C9e**
> 9 = 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 DAILY ACTIVITIES/FAMILY INTERACTION.)

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 health 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

(INSERT TIME STAMP)

DAILY ACTIVITIES/FAMILY INTERACTION

Display: The next few questions are about day to day activities that may occur in your family.

(IF (C2=0 through 5) OR (C2a=1 OR 2), ASK C11.
ELSE GO TO INSTRUCTIONS BEFORE C15.)

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)**

        [DO NOT INCLUDE READING.]

            1 = Every day,
            2 = 3 to 6 days,
            3 = 1 to 2 days, or
            4 = Never?
            8 = (VOL) Don't Know
            9 = (VOL) Refused

CN15a   How many days IN A TYPICAL WEEK does everyone in the household eat a meal together?
        (READ LIST) (LACHS 05, 02)

            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

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 Resp says Child drinks soda/sweetened drinks 0 to 1 a day, a few times a week, few times a
        month, occasionally, code as "97" (Less than 1 a day/Rarely).

        COUNT JUICE UNLESS IT'S 100% FRUIT JUICE]

            ____ Enter # (RANGE=0 through 96 ; 97=Less than one a day/Rarely; 98=Don't Know; 99=Refused)

(IF C17=13 through 96, ASK C17v.   ELSE GO TO C19)
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 C19)
        IF C17v=2, GO BACK AND RE-ASK C17.)

ASK ALL

C19.   On an AVERAGE DAY, how many hours does *(child)* watch television, including videos, DVDs, Tivo, 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)**

[NOTE: respondent can answer in hours AND minutes; probe '1 to 2 hours' or similar responses.]

    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 C19a.)

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 C18)
IF C19v=2, GO BACK AND RE-ASK C19.)

C18.   On an AVERAGE DAY, how many hours does *(child)* spend using a computer, including smartphone, tablet, or iPad, for (IF C2=0-5 OR C2a=1 OR 2 READ "playing games, watching videos, movies, or TV show or You Tube? Do NOT include time spent doing this AT daycare or school." ELSE READ "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, You Tube, or social networking like Facebook. Do NOT include time spent using a computer AT school.") (LACHS 07 MODIFIED)

[NOTE: respondent can answer in hours AND minutes; probe '1 to 2 hours' or similar responses.]

    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 INSTRUCTIONS BEFORE CN20a.)

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, GO TO INSTRUCTIONS BEFORE CN20a.
IF C18v=2, GO BACK AND RE-ASK C18.)

PHYSICAL ACTIVITY -- ASK OF 6-17 YEAR OLDS IF (C2=6-17 OR C2A=3 OR 4) . ELSE GO TO INSTRUCTIONS PRIOR TO CN20C.

CN20a   On how many of the past 7 days did **(CHILD)** exercise or do physical activity for a total of at least 60 minutes a day (IF NECESSARY: like basketball, soccer, running, swimming laps, bicycling, skateboarding, fast walking, dancing or similar aerobic activities; do not include exercise that lasts less than 10 minutes at a time)? **Source: 2013 California Healthy Kids Survey**

___Days **[RANGE: 0-7, 8-Don't Know, 9=Refused]**
8=Don't Know
9=Refused

CN20b   On how many of the past 7 days did **(CHILD)** do exercises to strengthen or tone **[his/her]** muscles, such as push-ups, sit-ups, (IF C2=6-11 OR C2a=3 READ "gymnastics, or climbing on a jungle gym" ELSE READ "gymnastics or weight lifting"? **Source: 2010 National Youth Physical Activity and Nutrition Survey**

___Days **[RANGE: 0-7, 8-Don't Know, 9=Refused]**
8=Don't Know
9=Refused

(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)**

(insert item).

____ Enter Days (RANGE=0 through 7; 8=Don't Know; 9=Refused)

(show for "a"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?
[INTERVIEWER NOTE: If the child uses a scooter, this should be included.]

(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 CN45.2.)
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)

ASK ALL
Display: Thinking about your community, please let me know if you disagree, neither agree nor disagree, or agree with each of these next two statements.

CN45.2   I feel a strong sense of belonging to my community.
             [IF NECESSARY: Do you…]

    1 = Disagree
    3 = Neither agree nor disagree
    5 = Agree
    8 = (VOL) Don't Know
    9 = (VOL) Refused

CN45.3   I feel my family and I have enough support to thrive in my community.
             [IF NECESSARY: Do you…]

    1 = Disagree
    3 = Neither agree nor disagree
    5 = Agree
    8 = (VOL) Don't Know
    9 = (VOL) Refused

Display: Now, thinking about *(child)*'s health..

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 CN31.1.)

C30.   Is this because of ANY medical, behavioral or other health condition?
         [INTERVIEWER NOTE: This INCLUDES mental health.]

> 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 CN31.1.)

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

If qualifies as CSHCNs, ask:
CATI: IF C31a=1 or C31b=1 or C31c=1 or C31d=1 or C31e=1 (Yes to at least one condition that has lasted or is expected to last for at least 12 months), ASK CN31.1. ELSE GO TO LOGIC BEFORE Child Development Knowledge Statements.

CN31.1   How many hours per week do you or other family members spend arranging or coordinating **[child]**'s care? By this I mean making appointments, making sure that care providers are exchanging information, and following up on **[child]**'s care needs. **Source: 2009-2010 CSHCN**

READ IF NECESSARY: It is fine to provide an average number of hours per week based on several weeks. Please give your best estimate.

[0=None/Less than one hour, 168=Around the clock, 998=Don't Know, 999=Refused]

_ _ _ HOURS PER WEEK [RANGE 0-168, 998, 999]

CN31.2   Have you or other family members cut down on the hours you work or stopped working because of **[child]'s** health condition? **Source: 2009-2010 CSHCN**

                    1   YES
                    2   NO
                    8   DON'T KNOW
                    9   REFUSED

CN31.3   Has **[child]'s** health condition caused financial problems for your family? **Source: 2009-2010 CSHCN**

                    1   YES
                    2   NO
                    8   DON'T KNOW
                    9   REFUSED

CN31.4   To what degree has [child's] condition impacted your daily life [READ LIST]
                 Source: CMS_Anna Long

                    1   Great Impact
                    2   Moderate Impact
                    3   Little Impact
                    4   No Impact
                    8   DON'T KNOW
                    9   REFUSED

CN31.5   Do you experience difficulity getting needed services for **[child's]** condition?

                    1   YES
                    2   NO
                    8   DON'T KNOW
                    9   REFUSED

CATI: IF CN31.5=1 (Yes, difficulty getting needed services); ELSE GO TO CN31.7
CN31.5a   Did you experience difficulty getting needed services, because. . .[READ ITEMS]

         You do not have insurance…………………Yes……….No…..Don't know…Refused
         CATI: IF CN31.5a_1 = 1 (yes), skip to CN31.5a_3
         Your insurance doesn't cover needed services ……Yes .No…..Don't know…Refused
         There is a language barrier to receiving needed services …Yes…No…..Don't know…Refused
         You do not have transportation to take **[child]** …Yes………..No…..Don't know…Refused

CN31.7 During the past 12 months, was **[child]** admitted to a hospital overnight?
2009-2010 CSHCN

[INCLUDE MENTAL HEALTH HOSPITAL. DO NOT INCLUDE OVERNIGHT STAYS IN THE EMERGENCY ROOM.]

1 YES
2 NO
8 DON'T KNOW
9 REFUSED

ASK IF C2=0 THROUGH 5 OR C2A=1,2
Child Development Knowledge Statements
CN31.8 Next I am going to read some statements about child development and I would like you to tell me whether you think each is true or false.
Source: First 5 LA

Answer codes
1=True
2=False
8=Don't know
9=Refused

(The correct answer is indicated in brackets following each statement)
CN31.8a 1. A baby can't communicate much until he/she is able to speak at least a few words. (FALSE)

CN31.8b 2. The average one-year old can say one or two words, but understands many more words and phrases. (TRUE)

CN31.8e. 5. By age one, a baby's brain is fully developed. (FALSE)

<u>ASK ALL AGES:</u>

<u>HEALTH CONDITIONS</u>

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)

C32b. 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

C32c. 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

C32d. asthma?

(IF C32d=1, ASK C33e through C33j IMMEDIATELY.
ELSE GO TO CN38)
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 CN38.)
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

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)**

____ Enter Time (RANGE=0 through 365; 998=Don't Know; 999=Refused)

CN38.   During the PAST 12 MONTHS, did **[CHILD]** have a regular seasonal flu shot or the flu mist? (LACHS 07, 05, 02 MODIFIED, 99)

(IF NECESSARY: We want to know if **[CHILD]** had a flu shot injected in **[his/her]** arm or the vaccine sprayed in the nose.)

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

CHILD CARE

(IF (C2=0 to 5) OR (C2a=1 OR 2) AND ((CN4=1-DECISION MAKER) OR (C4=1, 2, 5, 6, 7, OR 8-BIOLOGICAL, FOSTER, OR ADOPTED PARENTS) OR (CN4a=1 Legal Guardian)) , ASK C40.
ELSE GO TO 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=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

C42a. 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.)
C42b A childcare center, preschool or nursery school (other than Head Start or a state pre-school

program).

C42c. 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

C42d. 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)*

[INTERVIEWER NOTE: if respondent says only "PRESCHOOL", probe for clarity.]

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)

(CATI: IF C40 = 0, 98, OR 99 DISPLAY RESPONSE OPTION 5)

1 = Very easy,
2 = Somewhat easy,
3 = Somewhat difficult,
4 = Very difficult
5 = Or does not need child care?
8 = (VOL) Don't Know
9 = (VOL) Refused

.

[PD NOTE: CN45.1 TO BE ASKED IF (C2=0 to 5) OR (C2a=1 OR 2)]
(IF (C2=0 to 5) OR (C2a=1 OR 2), ASK CN45.1. ELSE GO TO C47.
CN45.1   When you have a question related to **[child],** where do you primarily get the answers you need?
                [READ LIST] **Source: First 5 LA; for children 0-5 years**

          1   Family
          2   Health care provider
          3   Friend
          4   Internet
          5   Magazines or Books
          8   (VOL) Don't Know
          9   (VOL) Refused

          If CN45.1=1 ask CN45.1a, else skip to C47
          CN45.1a   Is this person of the same, younger or older generation as yourself?

                    1   same generation
                    2   younger generation than you
                    3   older generation than you
                    8   (VOL) Don't Know
                    9   (VOL) Refused

(IF C2 = 0-5 OR C2a = 1 OR 2) *AND ((CN4=1-DECISION MAKER) OR (C4=1, 2, 5, 6, 7, OR 8-BIOLOGICAL, FOSTER, OR ADOPTED PARENTS) OR (CN4a=1 Legal Guardian))*
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)?

                    <u>**C47 Answer Codes**</u>
                    1 = Never
                    2 = Rarely
                    3 = Sometimes
                    4 = Usually
                    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?
          d. angry with *(child)*?

(INSERT TIME STAMP)

Display: Next, I will ask about 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, 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 C48=1 OR 8 OR 9, ASK CN49 series.
ELSE GO TO INSTRUCTIONS BEFORE CN50.)
CN49.   Is *(child)'s* health insurance…*(insert item)*?

                CN49_1 - 6 Answer Codes
                1 = Yes
                2 = No
                8 = (VOL) Don't Know
                9 = (VOL) Refused

      If "YES" at any point in this series, skip rest of items
            b.   Under MEDI-CAL or MEDICAID. (IF NECESSARY, SAY: the government's health insurance program for low-income individuals including families with children, seniors, pregnant women, and people with certain diseases or disabilities.) **(LACHS 07, 05, 02 MODIFIED, 99, 97)**

            a.   Through your own or some other family member's EMPLOYER, UNION, TRADE ASSOCIATION, SCHOOL OR BUSINESS. **(LACHS 07, 05, 02, 99, 97)**

            c.   Through one of the Covered California, also known as the Exchange Marketplace, health plans.

            d.   Through some other insurance program in LA County for children not eligible for Medi-Cal or Covered California such as Healthy Kids

            e.   (Through some other insurance program in LA County for children not eligible for Medi-Cal or Covered California) Or such as Kaiser Permanente Child Health Program or California Kids

            f.   Under your own or some other family member's MILITARY INSURANCE PROGRAM (like Champus or VA coverage) **(LACHS 07, 05, 02, 99, 97)**

      (IF CN49_1 through CN49_6 ARE ALL NOT "YES", ASK C49f.
      ELSE GO TO INSTRUCTIONS BEFORE CN50.)
C49f   Through a SEPARATE POLICY that you or some other family member bought directly from an Insurance Provider.

            1 = Yes   **GO TO INSTRUCTIONS BEFORE CN50**
            2 = No   8 = (VOL) Don't Know   9 = (VOL) Refused

      C49g   What is the type or name of *(child)* insurance? **(LACHS 07, 05)**

                1 = Gave Response (specify) _____
                2 = (VOL) NOT Insured
                8 = (VOL) Don't Know

9 = (VOL) Refused

(IF C48=2, ASK CN50 series.
ELSE GO TO INSTRUCTIONS BEFORE C52.)
CN50. There are some types of coverage you may not have considered. Is *(child)* currently covered for health insurance…*(insert item)*?

[IF ASKED: We are collecting insurance information to measure people's ability to access medical care in Los Angeles. This information will be used only by the research team and is completely confidential.]

CN50_1-6 Answer Codes
1 = Yes
2 = No
8 = (VOL) Don't Know
9 = (VOL) Refused

If "YES" at any point in this series, skip rest of items

b. Under MEDI-CAL or MEDICAID. (IF NECESSARY, SAY: the government's health insurance program for low-income individuals including families with children, seniors, pregnant women, and people with certain diseases or disabilities.) **(LACHS 07, 05, 02 MODIFIED, 99, 97)**

a. Through your own or some other family member's EMPLOYER, UNION, TRADE ASSOCIATION, SCHOOL OR BUSINESS. **(LACHS 07, 05, 02, 99, 97)**

c. Through one of the Covered California, also known as the Exchange Marketplace, health plans.

d. Through some other insurance program in LA County for children not eligible for Medi-Cal or Covered California such as Healthy Kids

e. (Through some other insurance program in LA County for children not eligible for Medi-Cal or Covered California) Or such as Kaiser Permanente Child Health Program or California Kids

f. Under your own or some other family member's MILITARY INSURANCE PROGRAM (like Champus or VA coverage) **(LACHS 07, 05, 02, 99, 97)**

(IF CN50_1 through CN50_6 ARE ALL NOT "YES", ASK C50f.
ELSE GO TO INSTRUCTIONS BEFORE C52.)
C50f Through a SEPARATE POLICY that you or some other family member bought directly from an Insurance Provider.

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 C29e=1 OR (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 OR C29e=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

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=1 through 17) OR (C2a=2 through 4) OR (C2b=12-35), ASK C55d.
d. dental care, including check-ups

(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=30082c OR 30082l) ARE ALREADY ANSWERED, AUTOPUNCH C61a/C61b WITH ANSWER FROM Q14a/Q14b.
ELSE IF ((CN4=1-DECISION MAKER) OR (C4=1, 2, 5, 6, 7, OR 8-BIOLOGICAL, FOSTER, OR ADOPTED PARENTS) OR (CN4a=1 Legal Guardian)) ASK C61.)
C61.   Now, thinking about YOURSELF, in 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 1 (Specify): _____
8 = Other 2 (Specify): _____
9 = Other 3 (Specify): _____
10 = Other 4 (Specify): _____
98 = (VOL) Don't Know
99 = (VOL) Refused

(IF (C64=3 OR 4), ASK C64a.
ELSE GO TO CN64.)
C64a.   Which of the following best describes *(child)*'s Asian or Pacific Islander 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 C64=2 ask CN64, ELSE GO TO C65)
CN64.   Which of the following best describes *(child)*'s Black or African American ancestry or ethnic origin?
(READ LIST, MULTIPLE RECORD)

3 Belizean,
5 Ethiopian,
7 Jamaican,
8 Kenyan,
9 Nigerian,
15 American, (do not read – U.S.)
11 Or something else? (specify) _____
12 (VOL) African-American
13 (VOL) Black
14 (VOL) African (specify) _____
16 (VOL) Bahamian
17 (VOL) Barbadian
18 (VOL) Dominica Islander
19 (VOL) Haitian
20 (VOL) West Indies
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, or C2b.)

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=30082c OR 30082l) IS ALREADY ANSWERED,
    AUTOPUNCH C66 WITH ANSWER FROM Q6.
ELSE ASK C66.)
C66.   Now I have a few questions about yourself, what is your age?

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

(IF C66=97 through 125, 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=30082c OR 30082I) 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 TO 74
9 = 75 or older?
99 = (VOL) Refused

CATI: CALCULATE RESPAGE (1=UNDER 65, 2=65 OR OLDER, 3=UNDETERMINED).
SET RESPAGE=1 IF C66<65 OR C66a<=7
SET RESPAGE=2 IF C66>=65 OR C66a=8,9
SET RESPAGE=3 IF C66a=99

Display:　　　The next few questions ask about your ethnic and racial background.

(IF (R2=1) AND Q65 FROM ADULT SURVEY (fproj=30082c OR 30082I) 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=30082c OR 30082I) 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=30082c OR 30082I) 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=30082c OR 30082l) 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 1 (Specify): _____
> 8 = Other 2 (Specify): _____
> 9 = Other 3 (Specify): _____
> 10 = Other 4 (Specify): _____
> 98 = (VOL) Don't Know
> 99 = (VOL) Refused

GO TO INSTRUCTIONS BEFORE C68a.)

(IF (R2=1) AND Q66a FROM ADULT SURVEY (fproj=30082c OR 30082l) IS ALREADY ANSWERED,
*   AUTOPUNCH C68a WITH ANSWER FROM Q66a. OTHERWISE…*
IF (C68=3 OR 4), ASK C68a.
ELSE GO TO INSTRUCTIONS BEFORE CN68.)
C68a.   Which of the following best describes your Asian or Pacific Islander 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 (R2=1) AND QN66b FROM ADULT SURVEY (fproj=30082c OR 30082I) IS ALREADY ANSWERED, AUTOPUNCH CN68 WITH ANSWER FROM QN66b. OTHERWISE…
(If C68=2 ask CN68, ELSE GO TO C69)

CN68   Which of the following best describes your Black or African American ancestry or ethnic origin?
              (READ LIST, MULTIPLE RECORD)

3 Belizean,
5 Ethiopian,
7 Jamaican,
8 Kenyan,
9 Nigerian,
15 American, (do not read – U.S.)
11 Or something else? (specify) _____
12 (VOL) African-American
13 (VOL) Black
14 (VOL) African (specify) _____
16 (VOL) Bahamian
17 (VOL) Barbadian
18 (VOL) Dominica Islander
19 (VOL) Haitian
20 (VOL) West Indies
98 (VOL) Don't Know
99 (VOL) Refused

(IF Q67 FROM ADULT SURVEY (fproj=30082c OR 30082I) 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 = Tagolog (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=30082c OR 30082l) 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=30082c OR 30082l) 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=30082c OR 30082l) IS ALREADY ANSWERED, AUTOPUNCH C70b WITH ANSWER FROM Q64b.
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=30082c OR 30082l) 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=30082c OR 30082l) 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 includes Bachelor's, BA, BS)
        6 = Post-graduate degree (includes Masters, PhD, JD, MD)
        8 = (VOL) Don't Know

9 = (VOL) Refused

(IF (R2=1) AND Q75 FROM ADULT SURVEY (fproj=30082c OR 30082I) 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=30082c OR 30082I) 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 BRFSS)**

[INTERVIEWER: always read the response code # along with the response].

(Randomize code 1 through 3)
1 = Heterosexual / Straight
2 = Homosexual / Gay / Lesbian
3 = Bi-sexual
8 = (VOL) Don't Know
9 = (VOL) Refused

(IF (R2=1) & Q17=3-8 or Q17b<=3 FROM ADULT SURVEY (fproj=30082c OR 30082I), AUTOPUNCH C74 AS
FOLLOWS:
IF Q17=3-8 (not employed) AUTOPUNCH C74=3,
if Q17b=1 or 2 (work up to 34 hrs/wk) AUTOPUNCH C74=2,
if Q17b=3 (35+ hrs/wk) AUTOPUNCH C74=1.
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=30082c OR 30082l) 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=30082c OR 30082l) IS ALREADY ANSWERED,
AUTOPUNCH C76a WITH ANSWER FROM Q77a. OTHERWISE...
IF C76=2 through 20, ASK C76a.
ELSE GO TO C77.)

C76a. *(IF RESPAGE=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 C76, AND CANNOT BE 0 IF RESPAGE=2.)

(IF Q77b FROM ADULT SURVEY (fproj=30082c OR 30082l) IS ALREADY ANSWERED,
AUTOPUNCH C76b WITH ANSWER FROM Q77b.
ELSE ASK C76b.)

C76b. *(RESPAGE=1, 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: Answer can NOT exceed C76, AND CANNOT BE 0 IF RESPAGE=1.)

PROGRAMMER: UPDATE RESPAGE IF RESPAGE=3 AND C76=1:
IF C76a=1 UPDATE RESPAGE=2. (confirmed one adult that is 65+)
IF C76b=1 UPDATE RESPAGE=1.(confirmed one adult that is under 65)

(Programmer: Create variable "totadults"…will be the sum of C76a / C76b.
IF "fproj"=30082c OR 30082l, 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 <u>ALL</u>
SC2a/SC2b/SC2c/C76/C76a/C76b)), ASK C76v2.
IF ("totadults" + "totchild" = C76) OR (("totadults + "totchild" < C76) AND (DK/REF TO <u>ANY</u>
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.)

PHONE/CELL PHONE QUESTIONS

(IF Q69 FROM ADULT SURVEY (fproj=30082c OR 30082l) IS ALREADY ANSWERED,
AUTOPUNCH CN77a WITH ANSWER FROM Q69.

(IF CELL PHONE VERSION ("stype"=2), ASK CN77a.
ELSE GO TO INSTRUCTIONS BEFORE C78.)
CN77a. 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	**GO TO INSTRUCTIONS PRIOR TO C78**
2 = No	**GO TO INSTRUCTIONS PRIOR TO C78**
8 = (VOL) Don't Know	**GO TO INSTRUCTIONS PRIOR TO C78**
9 = (VOL) Refused	**GO TO INSTRUCTIONS PRIOR TO C78**

(IF (R2=1) AND Q71 FROM ADULT SURVEY (fproj=30082c OR 30082l) IS ALREADY ANSWERED,
AUTOPUNCH C78 WITH ANSWER FROM Q71.
IF CELL PHONE FRAME (stype=2), GO TO INSTRUCTIONS PRIOR TO Q78b (do not ask C78 of cell phone respondents)
ELSE ASK C78.)
C78.   Do you have a cell phone for personal use?

(IF NEEDED: Please include cell phones if they are used for ANY personal use. The respondent should NOT include cell phones used only for business calls.)

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

IF C78=1 OR stype=2 (cell phone frame)OR (C78>1 AND totadults>1), ASK C78b.
ELSE GO TO INSTRUCTIONS BEFORE C79.
C78b.   How many working cell phone numbers do you *(IF "totadults" >1, read:* and other adults in your household***)*** have?   Please do not include cell phones used only by children 17 years of age and younger.

(IF NEEDED: The respondent should NOT include cell phones used only for business calls.)

_____ Enter # (**IF stype=2 or C78=1**: RANGE=1 through 5; 5=5 or more; 8=Don't Know;9=Refused)

(IF (R2=1) AND Q71c FROM ADULT SURVEY (fproj=30082c OR 30082I) IS ALREADY ANSWERED,
AUTOPUNCH C78c WITH ANSWER FROM Q71c.
IF STYPE=1 (landline) and C78=1 (has cell phone), ASK C78c.
F STYPE=2 (cell phone) and CN77a=1 (has landline), ASK C78c.
ELSE GO TO GO TO INSTRUCTIONS PRIOR TO C79.
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=30082c OR 30082I) IS ALREADY ANSWERED,
AUTOPUNCH C79 WITH ANSWER FROM Q90.
IF SC1a IS ALREADY ANSWERED, AUTOPUNCH C79 WITH ANSWER FROM SC1a THEN GO TO
TIME STAMP BEFORE HOUSEHOLD INCOME.
ELSE ASK C79.)
C79. In what city or town do you live? (ENTER CITY CODE FROM TACKUP)

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

> _____ Enter City Code

(INSERT TIME STAMP)

HOUSEHOLD INCOME
(IF QN84 FROM ADULT SURVEY (fproj=30082c OR 30082I) IS ALREADY ANSWERED,
AUTOPUNCH CN81 WITH ANSWER FROM QN84.
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 C76=98 or 99, set "incchild"="totchild".)

(Programmer: Create variable called "poverty"…will be set as follows:

# of HH members	If…	…set "poverty" to…
1 Child Under 18		
1 Adult (Resp. Under 65)	(("totadult"=1) and ("incchild"=1)) and (RESPAGE=1 OR 3)	$16,057
1 Adult (Resp. 65+)	(("totadult"=1) and ("incchild"=1)) and (RESPAGE=2)	$15,996
2 Adults	(("totadult"=2) and ("incchild"=1))	$18,751
3 Adults	(("totadult"=3) and ("incchild"=1))	$24,421
4 Adults	(("totadult"=4) and ("incchild"=1))	$29,398
5 Adults	(("totadult"=5) and ("incchild"=1))	$33,461
6 Adults	(("totadult"=6) and ("incchild"=1))	$38,588
7 Adults	(("totadult"=7) and ("incchild"=1))	$43,269
8+ Adullts	(("totadult">=8) and ("incchild"=1))	$51,844

2 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=2))	$18,769
2 Adults	(("totadult"=2) and ("incchild"=2))	$23,624
3 Adults	(("totadult"=3) and ("incchild"=2))	$28,498
4 Adults	(("totadult"=4) and ("incchild"=2))	$32,771
5 Adults	(("totadult"=5) and ("incchild"=2))	$37,763
6 Adults	(("totadult"=6) and ("incchild"=2))	$42,490
7+ Adults	(("totadult">=7) and ("incchild"=2))	$51,154
3 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=3))	$23,707
2 Adults	(("totadult"=2) and ("incchild"=3))	$27,801
3 Adults	(("totadult"=3) and ("incchild"=3))	$32,110
4 Adults	(("totadult"=4) and ("incchild"=3))	$37,187
5 Adults	(("totadult"=5) and ("incchild"=3))	$41,807
6+ Adults	(("totadult">=6) and ("incchild"=3))	$50,575
4 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=4))	$27,376
2 Adults	(("totadult"=2) and ("incchild"=4))	$31,128
3 Adults	(("totadult"=3) and ("incchild"=4))	$36,115
4 Adults	(("totadult"=4) and ("incchild"=4))	$40,839
5+ Adults	(("totadult">=5) and ("incchild"=4))	$49,625
5 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=5))	$30,545
2 Adults	(("totadult"=2) and ("incchild"=5))	$34,865
3 Adults	(("totadult"=3) and ("incchild"=5))	$39,610
4+ Adults	(("totadult">=4) and ("incchild"=5))	$48,317
6 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=6))	$33,493
2 Adults	(("totadult"=2) and ("incchild"=6))	$38,331
3+ Adults	(("totadult">=3) and ("incchild"=6))	$47,134
7 Children Under 18		
1 Adult	(("totadult"=1) and ("incchild"=7))	$38,006
2+ Adults	(("totadult">=2) and ("incchild"=7))	$46,842
8+ Children Under 18		
1+ Adult	(("totadult">=1) and ("incchild">7))	$45,037

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.

CN81.   Is your household's total annual income from all sources before taxes…(READ LIST)?

  1 = Above *("poverty" x 1.85)*, or

2 = Below *("poverty" x 1.85)*?
8 = (VOL) Don't Know
9 = (VOL) Refused

(IF Q84 FROM ADULT SURVEY (fproj=30082c OR 30082l) IS ALREADY ANSWERED,
        AUTOPUNCH C81 WITH ANSWER FROM Q84. OTHERWISE…
(IF CN81=1, ASK C81
IF CN81=2 OR 8 OR 9, GO TO C81a.)
C81.   Is it…(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=30082c OR 30082l) IS ALREADY ANSWERED,
        AUTOPUNCH C81a WITH ANSWER FROM Q84a. OTHERWISE…
IF C81=1, GO TO C81b
IF C81=2, 8, OR 9, GO TO INSTRUCTIONS BEFORE C82.
IF CN81=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=30082c OR 30082l) 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=30082c OR 30082l) 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

IF (fproj=30082sl) SKIP TO CN82a. IF (fproj=30082c or 30082l or 30082sc), ASK C82.
CATI: IF R2=1 & fproj=30082c AND WE HAVE ADDRESS FROM ADULT SURVEY, PREFILL NAME AND
ADDRESS FROM THE ADULT SURVEY.
C82.   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?

        1 = Yes, Gave Response
        9 = (VOL) Refused

IF GEOCODED SCORE FROM ADULT SURVEY IS >=70 (we have geocode already), SKIP TO CFLLWUP

(IF C82=1, ASK ADDRESS MODULE. ELSE SKIP TO INSTRUCTIONS BEFORE CN82a)
        RESPONDENT NAME -: *(ONLY ASK IF "fproj"=30082c OR 30082l)*
        STREET -:   *(IF 30082c/30082l, PRE-POPULATE WITH THIS DATA, IF ANSWERED)*
        APT NUMBER -:   *(ONLY ASK IF "fproj"=30082c OR 30082l)*
        CITY :   *(IF (SC1a OR C79) IS ANSWERED, PRE-POPULATE WITH THAT ANSWER) (IF*
                          30082c/30082l, PRE-POPULATE WITH THIS DATA, IF ANSWERED)
        STATE -:   *(PRE-POPULATE WITH "CALIFORNIA")*
        ZIPCODE -: *(IF C80 IS ANSWERED, PRE-POPULATE WITH THAT ANSWER) (IF 30082c/30082l,*
                          PRE-POPULATE WITH THIS DATA, IF ANSWERED)

    CN82.   Is this the address for your home where you live?

        1 = Yes   *SKIP TO GEOCODE*
        2 = No
        7 = (VOL) Don't know/Not sure
        9 = (VOL) Refused

ASK CN82a IF FPROJ=30082sl (LANDLINE SUPPLEMENT) OR CN82>1 (ADDRESS FOR CHECK IS NOT HOME ADDRESS).
CN82a Since LA County is so large and diverse, the Department of Public Health is interested in better assessing the health and well-being of residents at local levels and addressing ways to improve their lives. In order to assist the county, I would like to get your home address. Please know that this information will be kept strictly confidential and will not be shared outside of the research team. Would you be willing to provide your address?

            1 = Yes, Gave Response
            9 = (VOL) Refused

    (IF CN82a=1, ASK ADDRESS)
    ADDRESS.   CATI: DISPLAY STREET FIELD TO BE POPULATED AND POPULATE ZIP CODE
                FROM C80

            STREET -:
            ZIPCODE -:
                    NOW SKIP TO GEOCODE

(IF C82=9 OR CN82a=9, ASK C82a.)
C82a.   Then can you give me the street that you live on and the closest street
                that crosses it?

            1 = Gave Response
            9 = (VOL) Refused   *GO TO CFLLWUP*

STREET & CROSS-STREET MODULE (RECORD STREET & CROSS-STREET IN SEPARATE FIELDS):
        STREET : What is the name of the street that you live on?

        CROSS-STREET: What is the name of the street down the corner from you that crosses your street?

            (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?")

GEOCODE. *Programmer: Use collected address or cross-street information for live geocoding.*
- *IF C82=1, use address and ZIP from address module*
- *OTHERWISE, USE ZIP FROM C80 AND STREET/CROSS-STREET*
- *Return the "accuracy," latitude," "longitude," "address/county," and "SPA"*

IF "accuracy" is >=70, write the returned information from "GEOCODE" into the data, then go to CFLLWUP. Store the information submitted for geocoding separately from the information returned from "GEOCODE.".

IF ("accuracy"<70) ASK C82v.
C82v.   Unfortunately, our system is not recognizing this information. Let me repeat back what I typed in case I recorded something incorrectly.

> 1 = OK
> 9 = Refused   ***GO TO CFLLWUP.***

IF INFORMATION FROM ADDRESS MODULE WAS USED FOR GEOCODING (CN82=1 OR CN82a=1)
C83.   I have your street address and ZIP code listed as… [INTERVIEWER: READ BACK AND VERIFY.]

> STREET -:   *(PRE-POPULATE WITH STREET USED FOR GEOCODING)*
> ZIPCODE -:   *(PRE-POPULATE WITH ZIPCODE USED FOR GEOCODING)*

> 1 = Information is correct
> 2 = EDIT – STREET
> 6 = EDIT – ZIP CODE
> 9 = (VOL) Refused

> ***(IF C83=1, GO TO "GEOCODE2."***
> ***IF C83=9, GO TO CFLLWUP.)***

IF CROSS-STREETS WERE USED FOR GEOCODING (C82a=1)
C83a.   I have the name of the street that you live on and the closest street that crosses it recorded as…
[INTERVIEWER: READ BACK AND VERIFY.]

> STREET -:   *(PRE-POPULATE WITH STREET USED FOR GEOCODING)*
> CROSS-STREET-:   *(PRE-POPULATE WITH X-STREET USED FOR GEOCODING)*
> ZIPCODE -:   *(PRE-POPULATE WITH ANSWER ZIP USED FOR GEOCODING.)*

> 1 = Information is correct
> 2 = EDIT – STREET
> 3 = EDIT – CROSS-STREET
> 6 = EDIT – ZIP CODE
> 9 = (VOL) Refused

> ***(IF C83a=1, GO TO "GEOCODE2"… ALLOW INCOMPLETE INFORMATION TO CONTINUE.***
> ***IF C83a=9, GO TO CFLLWUP.)***

GEOCODE2.   *Programmer: Use address or cross-street information from C83/C83a for live geocoding.*
- *Return the "accuracy," latitude," "longitude," "address/county," and "SPA"*
- *Make sure that the address/cross-street information collected from C82/C83 series, GEOCODE and GEOCODE2 are each stored separately in the data file.)*

[ASK ALL]
CFLLWUP   If we have any future surveys would you be willing to be contacted again to participate?

        1   Yes
        2   No
        9   Refused

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)

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

Appendix III-A: Missing Data Recodes for Q69, Q71, and Q71c

If surveyframe = 2 and Q69 = 8 or 9, Q69_R = 2.   Otherwise, for surveyframe = 2, Q69_R = Q69.

If surveyframe = 1 and Q71 = 8 or 9, Q71_R = 1.   Otherwise, for surveyframe = 1, Q71_R = Q71.

If surveyframe = 2 and Q71c = 8 or 9, Q71c_R = 1. Otherwise, for surveyframe = 2, Q71c_R = Q71c.

If surveyframe = 1 and (Q71c = 8 or 9) or (Q71 = 8 or 9), Q71c_R = 2. Otherwise, for surveyframe = 1, Q71c_R = Q71c.

If surveyframe = 1 and Q71_R = 1, telephone_service = 3 (dual service).
If surveyframe = 1 and Q71_R = 2, telephone service = 2 (landline only)
If surveyframe = 2 and Q69_R = 1, telephone_service = 3 (dual service).
If surveyframe = 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 surveyframe = 1 and telephone_service = 3 and Q71c_R = 2 or 3, telephone_service6 = 4 (landline sample, dual, not cell mostly).
If surveyframe = 1 and telephone_service = 3 and Q71c_R = 1, telephone_service6 = 3 (landline sample, dual, cell mostly).
If surveyframe = 2 and telephone_service = 3 and Q71c_R = 2 or 3, telephone_service6 = 6 (cell sample, dual, not cell mostly).
If surveyframe = 2 and telephone_service = 3 and Q71c_R = 1, telephone_service6 = 5 (cell sample, dual, cell mostly).

Appendix III-C: Category Collapsing for Cells With Less Than 20 Interviews

GEO_SPA_I_RACE_R2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1001 Antelope Valley, Latino	317	3.96	317	3.96
1002 Antelope Valley, White	504	6.29	821	10.25
1003 Antelope Valley, African American	147	1.84	968	12.09
1004 Antelope Valley, Asian	24	0.30	992	12.39
1056 Antelope Valley, NHOPI/American Indian	22	0.27	1014	12.66
2001 San Fernando, Latino	474	5.92	1488	18.58
2002 San Fernando, White	957	11.95	2445	30.53
2004 San Fernando, Asian	116	1.45	2561	31.98
2356 San Fernando, African American/NHOPI/American Indian	81	1.01	2642	32.99
3001 San Gabriel, Latino	432	5.39	3074	38.39
3002 San Gabriel, White	449	5.61	3523	43.99
3004 San Gabriel, Asian	292	3.65	3815	47.64
3356 San Gabriel, African American/NHOPI/American Indian	68	0.85	3883	48.49
4001 Metro, Latino	307	3.83	4190	52.32
4002 Metro, White	240	3.00	4430	55.32
4004 Metro, Asian	114	1.42	4544	56.74
4356 Metro, African American/NHOPI/American Indian	68	0.85	4612	57.59
5001 West, Latino	106	1.32	4718	58.92
5002 West, White	602	7.52	5320	66.43
5003 West, African American	55	0.69	5375	67.12
5456 West, Asian/NHOPI/American Indian	64	0.80	5439	67.92
6001 South, Latino	347	4.33	5786	72.25
6002 South, White	25	0.31	5811	72.56
6003 South, African American	345	4.31	6156	76.87
6456 South, Asian/NHOPI/American Indian	23	0.29	6179	77.16
7001 East, Latino	399	4.98	6578	82.14
7002 East, White	216	2.70	6794	84.84
7004 East, Asian	50	0.62	6844	85.46
7356 East, African American/NHOPI/American Indian	40	0.50	6884	85.96
8001 South Bay, Latino	271	3.38	7155	89.35
8002 South Bay, White	513	6.41	7668	95.75
8003 South Bay, African American	228	2.85	7896	98.60
8456 South Bay, Asian/NHOPI/American Indian	112	1.40	8008	100.00

GEO_SPA_GENDER_AGEGROUP_R	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1101 Antelope Valley M 18-24	31	0.39	31	0.39
1102 Antelope Valley M 25-29	25	0.31	56	0.70
1103 Antelope Valley M 30-39	45	0.56	101	1.26
1104 Antelope Valley M 40-49	50	0.62	151	1.89
1105 Antelope Valley M 50-59	87	1.09	238	2.97
1106 Antelope Valley M 60-64	39	0.49	277	3.46
1107 Antelope Valley M 65+	91	1.14	368	4.60
1201 Antelope Valley F 18-24	51	0.64	419	5.23
1202 Antelope Valley F 25-29	25	0.31	444	5.54
1203 Antelope Valley F 30-39	94	1.17	538	6.72
1204 Antelope Valley F 40-49	105	1.31	643	8.03
1205 Antelope Valley F 50-59	123	1.54	766	9.57
1206 Antelope Valley F 60-64	58	0.72	824	10.29
1207 Antelope Valley F 65+	190	2.37	1014	12.66
2101 San Fernando M 18-24	53	0.66	1067	13.32
2102 San Fernando M 25-29	32	0.40	1099	13.72
2103 San Fernando M 30-39	83	1.04	1182	14.76
2104 San Fernando M 40-49	108	1.35	1290	16.11
2105 San Fernando M 50-59	142	1.77	1432	17.88
2106 San Fernando M 60-64	62	0.77	1494	18.66
2107 San Fernando M 65+	187	2.34	1681	20.99
2201 San Fernando F 18-24	61	0.76	1742	21.75
2202 San Fernando F 25-29	47	0.59	1789	22.34
2203 San Fernando F 30-39	117	1.46	1906	23.80
2204 San Fernando F 40-49	168	2.10	2074	25.90
2205 San Fernando F 50-59	203	2.53	2277	28.43
2206 San Fernando F 60-64	86	1.07	2363	29.51
2207 San Fernando F 65+	279	3.48	2642	32.99
3101 San Gabriel M 18-24	39	0.49	2681	33.48
3102 San Gabriel M 25-29	33	0.41	2714	33.89
3103 San Gabriel M 30-39	76	0.95	2790	34.84
3104 San Gabriel M 40-49	71	0.89	2861	35.73
3105 San Gabriel M 50-59	90	1.12	2951	36.85
3106 San Gabriel M 60-64	45	0.56	2996	37.41
3107 San Gabriel M 65+	151	1.89	3147	39.30
3201 San Gabriel F 18-24	58	0.72	3205	40.02
3202 San Gabriel F 25-29	33	0.41	3238	40.43
3203 San Gabriel F 30-39	76	0.95	3314	41.38
3204 San Gabriel F 40-49	100	1.25	3414	42.63
3205 San Gabriel F 50-59	145	1.81	3559	44.44
3206 San Gabriel F 60-64	73	0.91	3632	45.35
3207 San Gabriel F 65+	251	3.13	3883	48.49
4103 Metro M 30-39	53	0.66	3936	49.15
4104 Metro M 40-49	62	0.77	3998	49.93
4105 Metro M 50-59	71	0.89	4069	50.81
4106 Metro M 60-64	29	0.36	4098	51.17
4107 Metro M 65+	71	0.89	4169	52.06
4112 Metro M 18-29	54	0.67	4223	52.73
4201 Metro F 18-24	36	0.45	4259	53.18
4202 Metro F 25-29	16	0.20	4275	53.38
4203 Metro F 30-39	59	0.74	4334	54.12
4204 Metro F 40-49	68	0.85	4402	54.97
4205 Metro F 50-59	69	0.86	4471	55.83
4206 Metro F 60-64	27	0.34	4498	56.17
4207 Metro F 65+	114	1.42	4612	57.59
5103 West M 30-39	33	0.41	4645	58.00
5104 West M 40-49	47	0.59	4692	58.59
5105 West M 50-59	70	0.87	4762	59.47
5106 West M 60-64	32	0.40	4794	59.87
5107 West M 65+	117	1.46	4911	61.33
5112 West M 18-29	32	0.40	4943	61.73
5203 West F 30-39	41	0.51	4984	62.24
5204 West F 40-49	71	0.89	5055	63.12
5205 West F 50-59	112	1.40	5167	64.52
5206 West F 60-64	59	0.74	5226	65.26

```
5207 West F 65+                   189    2.36    5415     67.62
5212 West F 18-29                  24    0.30    5439     67.92
6101 South M 18-24                 38    0.47    5477     68.39
6102 South M 25-29                 24    0.30    5501     68.69
6103 South M 30-39                 43    0.54    5544     69.23
6104 South M 40-49                 52    0.65    5596     69.88
6105 South M 50-59                 48    0.60    5644     70.48
6106 South M 60-64                 25    0.31    5669     70.79
6107 South M 65+                   58    0.72    5727     71.52
6201 South F 18-24                 41    0.51    5768     72.03
6202 South F 25-29                 31    0.39    5799     72.42
6203 South F 30-39                 75    0.94    5874     73.35
6204 South F 40-49                 72    0.90    5946     74.25
6205 South F 50-59                 75    0.94    6021     75.19
6206 South F 60-64                 38    0.47    6059     75.66
6207 South F 65+                  120    1.50    6179     77.16
7103 East M 30-39                  39    0.49    6218     77.65
7104 East M 40-49                  42    0.52    6260     78.17
7105 East M 50-59                  60    0.75    6320     78.92
7106 East M 60-64                  31    0.39    6351     79.31
7107 East M 65+                    61    0.76    6412     80.07
7112 East M 18-29                  50    0.62    6462     80.69
7201 East F 18-24                  39    0.49    6501     81.18
7202 East F 25-29                  23    0.29    6524     81.47
7203 East F 30-39                  68    0.85    6592     82.32
7204 East F 40-49                  57    0.71    6649     83.03
7205 East F 50-59                  70    0.87    6719     83.90
7206 East F 60-64                  48    0.60    6767     84.50
7207 East F 65+                   117    1.46    6884     85.96
8101 South Bay M 18-24             34    0.42    6918     86.39
8102 South Bay M 25-29             24    0.30    6942     86.69
8103 South Bay M 30-39             53    0.66    6995     87.35
8104 South Bay M 40-49             61    0.76    7056     88.11
8105 South Bay M 50-59            108    1.35    7164     89.46
8106 South Bay M 60-64             44    0.55    7208     90.01
8107 South Bay M 65+              128    1.60    7336     91.61
8201 South Bay F 18-24             35    0.44    7371     92.05
8202 South Bay F 25-29             25    0.31    7396     92.36
8203 South Bay F 30-39             74    0.92    7470     93.28
8204 South Bay F 40-49             94    1.17    7564     94.46
8205 South Bay F 50-59            132    1.65    7696     96.10
8206 South Bay F 60-64             81    1.01    7777     97.12
8207 South Bay F 65+              231    2.88    8008    100.00
```

RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD

Sample size of completed interviews: **8008**
Raking input weight adjusted to population total: **COMPOSITE_WT_ATPT**
Mean value of raking input weight adjusted to population total: **965.01**
Minimum value of raking input weight: **15.80**
Maximum value of raking input weight: **7203.48**
Coefficient of variation of raking input weight: **0.82**
Global low weight cap value (GLCV): **96.50**
Global low weight cap value factor: Mean input weight times **.1**
Global high weight cap value (GHCV): **9650.09**
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): **13**
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**

12:49 2015

The FREQ Procedure

Weighted Distribution Prior To Raking. Iteration 0

TELEPHONE_SERVICE6C	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 cell only	3855065.40	2697450	1157614.98	49.886	34.906	14.980
2 landline only	745366.24	572615	172751.72	9.645	7.410	2.235
3 dual user, cell mostly	1028371.46	1748384	-720012.38	13.307	22.625	-9.317
4 dual user, not cell mostly	2098989.17	2709343	-610354.32	27.162	35.060	-7.898

12:49 2015

Weighted Distribution Prior To Raking. Iteration 0

The FREQ Procedure

GEO_HD_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Alhambra	284899.09	279757	5142.09	3.687	3.620	0.067
2 Antelope Valley	337969.33	284419	53550.33	4.373	3.680	0.693
3 Bellflower	227449.03	272927	-45477.97	2.943	3.532	-0.588
4 Central	238614.86	277960	-39345.14	3.088	3.597	-0.509
5 Compton	252511.72	197000	55511.72	3.268	2.549	0.718
6 East LA	143842.98	147593	-3750.02	1.861	1.910	-0.049
7 East Valley	371318.73	349596	21722.73	4.805	4.524	0.281
8 El Monte	332524.84	327994	4530.84	4.303	4.244	0.059
9 Foothill	251998.19	240591	11407.19	3.261	3.113	0.148
10 Glendale	228884.63	280488	-51603.37	2.962	3.630	-0.668
11 Harbor	159366.64	156251	3115.64	2.062	2.022	0.040
12 Hollywood-Wilshire	368251.31	411124	-42872.69	4.765	5.320	-0.555
13 Inglewood	361443.40	309581	51862.40	4.677	4.006	0.671
14 Long Beach	338205.05	359934	-21728.95	4.376	4.658	-0.281
15 Northeast	254185.92	231884	22301.92	3.289	3.001	0.289
16 Pasadena	161021.81	114220	46801.81	2.084	1.478	0.606
17 Pomona	333843.90	422505	-88661.10	4.320	5.467	-1.147
18 San Antonio	270885.86	302934	-32048.14	3.505	3.920	-0.415
19 San Fernando	391288.50	389333	1955.50	5.063	5.038	0.025
20 South	200366.63	129288	71078.63	2.593	1.673	0.920
21 Southeast	130366.28	116674	13692.28	1.687	1.510	0.177
22 Southwest	423135.25	287954	135181.25	5.475	3.726	1.749
23 Torrance	307917.52	362087	-54169.48	3.985	4.686	-0.701
24 West	484668.00	546091	-61423.00	6.272	7.067	-0.795
25 West Valley	651892.35	683700	-31807.65	8.436	8.847	-0.412
26 Whittier	220940.47	245915	-24974.53	2.859	3.182	-0.323

12:49 2015

The FREQ Procedure

GEO_SPA_I_RACE_R2	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1001 Antelope Valley, Latino	132080.90	115226	16854.90	1.709	1.491	0.218
1002 Antelope Valley, White	135256.14	111827	23429.14	1.750	1.447	0.303
1003 Antelope Valley, African American	53230.22	43477	9753.22	0.689	0.563	0.126
1004 Antelope Valley, Asian	8813.05	12071	-3257.95	0.114	0.156	-0.042

GEO_SPA_I_RACE_R2	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1056 Antelope Valley, NHOPI/American Indian	8589.02	1818	6771.02	0.111	0.024	0.088
2001 San Fernando, Latino	637369.81	617243	20126.81	8.248	7.987	0.260
2002 San Fernando, White	783236.37	814512	-31275.63	10.135	10.540	-0.405
2004 San Fernando, Asian	139918.48	203772	-63853.52	1.811	2.637	-0.826
2356 San Fernando, African American/NHOPI/American Indian	82859.55	67590	15269.55	1.072	0.875	0.198
3001 San Gabriel, Latino	568547.46	583428	-14880.54	7.357	7.550	-0.193
3002 San Gabriel, White	361171.45	325098	36073.45	4.674	4.207	0.467
3004 San Gabriel, Asian	357408.43	418580	-61171.57	4.625	5.417	-0.792
3356 San Gabriel, African American/NHOPI/American Indian	77160.49	57961	19199.49	0.998	0.750	0.248
4001 Metro, Latino	432796.03	435265	-2468.97	5.601	5.632	-0.032
4002 Metro, White	214229.32	252372	-38142.68	2.772	3.266	-0.494
4004 Metro, Asian	143089.21	177370	-34280.79	1.852	2.295	-0.444
4356 Metro, African American/NHOPI/American Indian	70937.53	55961	14976.53	0.918	0.724	0.194
5001 West, Latino	85368.00	80596	4772.00	1.105	1.043	0.062
5002 West, White	309182.61	353358	-44175.39	4.001	4.573	-0.572
5003 West, African American	37211.15	31477	5734.15	0.482	0.407	0.074
5456 West, Asian/NHOPI/American Indian	52906.24	80660	-27753.76	0.685	1.044	-0.359
6001 South, Latino	537541.73	468272	69269.73	6.956	6.060	0.896
6002 South, White	32291.43	21696	10595.43	0.418	0.281	0.137
6003 South, African American	408548.14	222335	186213.14	5.287	2.877	2.410
6456 South, Asian/NHOPI/American Indian	27998.59	18613	9385.59	0.362	0.241	0.121
7001 East, Latino	564194.64	678450	-114255.36	7.301	8.779	-1.478
7002 East, White	192633.18	158405	34228.18	2.493	2.050	0.443
7004 East, Asian	60956.63	97713	-36756.37	0.789	1.264	-0.476
7356 East, African American/NHOPI/American Indian	45333.90	34801	10532.90	0.587	0.450	0.136
8001 South Bay, Latino	350408.81	430532	-80123.19	4.534	5.571	-1.037
8002 South Bay, White	441598.49	373784	67814.49	5.714	4.837	0.878
8003 South Bay, African American	250381.61	177330	73051.61	3.240	2.295	0.945
8456 South Bay, Asian/NHOPI/American Indian	124543.70	206207	-81663.30	1.612	2.668	-1.057

12:49 2015

The FREQ Procedure

GEO_SPA_GENDER_AGEGROUP_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1101 Antelope Valley M 18-24	19155.73	26109	-6953.27	0.248	0.338	-0.090
1102 Antelope Valley M 25-29	15234.79	14408	826.79	0.197	0.186	0.011
1103 Antelope Valley M 30-39	25244.76	23193	2051.76	0.327	0.300	0.027
1104 Antelope Valley M 40-49	15521.43	24365	-8843.57	0.201	0.315	-0.114
1105 Antelope Valley M 50-59	23278.35	26161	-2882.65	0.301	0.339	-0.037
1106 Antelope Valley M 60-64	9948.21	9040	908.21	0.129	0.117	0.012
1107 Antelope Valley M 65+	21271.14	16474	4797.14	0.275	0.213	0.062
1201 Antelope Valley F 18-24	21424.66	25136	-3711.34	0.277	0.325	-0.048
1202 Antelope Valley F 25-29	11463.04	13471	-2007.96	0.148	0.174	-0.026
1203 Antelope Valley F 30-39	33524.44	23063	10461.44	0.434	0.298	0.135
1204 Antelope Valley F 40-49	44459.95	25808	18651.95	0.575	0.334	0.241
1205 Antelope Valley F 50-59	41631.93	27290	14341.93	0.539	0.353	0.186
1206 Antelope Valley F 60-64	15742.49	9404	6338.49	0.204	0.122	0.082
1207 Antelope Valley F 65+	40068.42	20497	19571.42	0.518	0.265	0.253
2101 San Fernando M 18-24	88341.78	114926	-26584.22	1.143	1.487	-0.344
2102 San Fernando M 25-29	58440.06	82873	-24432.94	0.756	1.072	-0.316
2103 San Fernando M 30-39	123445.00	155283	-31838.00	1.597	2.009	-0.412
2104 San Fernando M 40-49	116389.29	156890	-40500.71	1.506	2.030	-0.524
2105 San Fernando M 50-59	131974.75	150197	-18222.25	1.708	1.944	-0.236
2106 San Fernando M 60-64	60738.27	56605	4133.27	0.786	0.732	0.053
2107 San Fernando M 65+	140388.22	118117	22271.22	1.817	1.528	0.288
2201 San Fernando F 18-24	95333.95	106768	-11434.05	1.234	1.382	-0.148
2202 San Fernando F 25-29	84211.84	77193	7018.84	1.090	0.999	0.091
2203 San Fernando F 30-39	137355.68	150605	-13249.32	1.777	1.949	-0.171
2204 San Fernando F 40-49	180461.63	160672	19789.63	2.335	2.079	0.256
2205 San Fernando F 50-59	177816.58	156846	20970.58	2.301	2.030	0.271
2206 San Fernando F 60-64	71194.70	62063	9131.70	0.921	0.803	0.118
2207 San Fernando F 65+	177292.45	154079	23213.45	2.294	1.994	0.300
3101 San Gabriel M 18-24	64521.89	99546	-35024.11	0.835	1.288	-0.453
3102 San Gabriel M 25-29	58757.26	66470	-7712.74	0.760	0.860	-0.100
3103 San Gabriel M 30-39	112959.62	113873	-913.38	1.462	1.474	-0.012
3104 San Gabriel M 40-49	89694.08	117006	-27311.92	1.161	1.514	-0.353
3105 San Gabriel M 50-59	93121.57	117843	-24721.43	1.205	1.525	-0.320
3106 San Gabriel M 60-64	44445.58	47216	-2770.42	0.575	0.611	-0.036
3107 San Gabriel M 65+	113405.00	105003	8402.00	1.467	1.359	0.109
3201 San Gabriel F 18-24	100011.71	95704	4307.71	1.294	1.238	0.056
3202 San Gabriel F 25-29	58240.18	61790	-3549.82	0.754	0.800	-0.046
3203 San Gabriel F 30-39	99837.39	114873	-15035.61	1.292	1.486	-0.195
3204 San Gabriel F 40-49	113816.31	124435	-10618.69	1.473	1.610	-0.137
3205 San Gabriel F 50-59	165372.84	128517	36855.84	2.140	1.663	0.477
3206 San Gabriel F 60-64	66153.86	54525	11628.86	0.856	0.706	0.150
3207 San Gabriel F 65+	183950.53	138266	45684.53	2.380	1.789	0.591

GEO_SPA_GENDER_AGEGROUP_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
4103 Metro M 30-39	83989.75	113771	-29781.25	1.087	1.472	-0.385
4104 Metro M 40-49	82946.42	97764	-14817.58	1.073	1.265	-0.192
4105 Metro M 50-59	75551.62	72498	3053.62	0.978	0.938	0.040
4106 Metro M 60-64	29369.83	26332	3037.83	0.380	0.341	0.039
4107 Metro M 65+	66218.09	56267	9951.09	0.857	0.728	0.129
4112 Metro M 18-29	84849.04	105894	-21044.96	1.098	1.370	-0.272
4201 Metro F 18-24	69284.90	49523	19761.90	0.897	0.641	0.256
4202 Metro F 25-29	32530.23	48877	-16346.77	0.421	0.632	-0.212
4203 Metro F 30-39	82056.57	100799	-18742.43	1.062	1.304	-0.243
4204 Metro F 40-49	84835.40	80208	4627.40	1.098	1.038	0.060
4205 Metro F 50-59	75750.05	66369	9381.05	0.980	0.859	0.121
4206 Metro F 60-64	19063.34	27740	-8676.66	0.247	0.359	-0.112
4207 Metro F 65+	74606.85	74926	-319.15	0.965	0.970	-0.004
5103 West M 30-39	37911.76	55945	-18033.24	0.491	0.724	-0.233
5104 West M 40-49	38005.47	47204	-9198.53	0.492	0.611	-0.119
5105 West M 50-59	30396.37	40818	-10421.63	0.393	0.528	-0.135
5106 West M 60-64	20896.51	17294	3602.51	0.270	0.224	0.047
5107 West M 65+	51553.01	43031	8522.01	0.667	0.557	0.110
5112 West M 18-29	38707.37	57579	-18871.63	0.501	0.745	-0.244
5203 West F 30-39	41660.23	56770	-15109.77	0.539	0.735	-0.196
5204 West F 40-49	39175.97	48292	-9116.03	0.507	0.625	-0.118
5205 West F 50-59	56420.96	43530	12890.96	0.730	0.563	0.167
5206 West F 60-64	24340.62	19401	4939.62	0.315	0.251	0.064
5207 West F 65+	68971.79	54923	14048.79	0.893	0.711	0.182
5212 West F 18-29	36627.92	61304	-24676.08	0.474	0.793	-0.319
6101 South M 18-24	64832.55	69106	-4273.45	0.839	0.894	-0.055
6102 South M 25-29	47383.59	41514	5869.59	0.613	0.537	0.076
6103 South M 30-39	79877.44	71513	8364.44	1.034	0.925	0.108
6104 South M 40-49	75899.18	63450	12449.18	0.982	0.821	0.161
6105 South M 50-59	65718.12	52398	13320.12	0.850	0.678	0.172
6106 South M 60-64	39109.17	17979	21130.17	0.506	0.233	0.273
6107 South M 65+	51578.66	33936	17642.66	0.667	0.439	0.228
6201 South F 18-24	75469.83	68497	6972.83	0.977	0.886	0.090
6202 South F 25-29	59631.29	40834	18797.29	0.772	0.528	0.243
6203 South F 30-39	121921.68	73093	48828.68	1.578	0.946	0.632
6204 South F 40-49	105637.28	67712	37925.28	1.367	0.876	0.491
6205 South F 50-59	90867.45	59372	31495.45	1.176	0.768	0.408
6206 South F 60-64	41111.77	21357	19754.77	0.532	0.276	0.256
6207 South F 65+	87341.89	50155	37186.89	1.130	0.649	0.481
7103 East M 30-39	70078.46	88805	-18726.54	0.907	1.149	-0.242
7104 East M 40-49	50989.34	87542	-36552.66	0.660	1.133	-0.473
7105 East M 50-59	69644.14	75005	-5360.86	0.901	0.971	-0.069

GEO_SPA_GENDER_AGEGROUP_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
7106 East M 60-64	36485.25	28345	8140.25	0.472	0.367	0.105
7107 East M 65+	54389.48	61795	-7405.52	0.704	0.800	-0.096
7112 East M 18-29	91210.85	128598	-37387.15	1.180	1.664	-0.484
7201 East F 18-24	74259.66	76189	-1929.34	0.961	0.986	-0.025
7202 East F 25-29	35063.49	47810	-12746.51	0.454	0.619	-0.165
7203 East F 30-39	99275.72	90085	9190.72	1.285	1.166	0.119
7204 East F 40-49	65691.18	88873	-23181.82	0.850	1.150	-0.300
7205 East F 50-59	80625.92	80651	-25.08	1.043	1.044	-0.000
7206 East F 60-64	44995.50	32303	12692.50	0.582	0.418	0.164
7207 East F 65+	90409.36	83368	7041.36	1.170	1.079	0.091
8101 South Bay M 18-24	52878.68	80256	-27377.32	0.684	1.039	-0.354
8102 South Bay M 25-29	41763.32	55696	-13932.68	0.540	0.721	-0.180
8103 South Bay M 30-39	73369.50	105549	-32179.50	0.949	1.366	-0.416
8104 South Bay M 40-49	69239.31	107418	-38178.69	0.896	1.390	-0.494
8105 South Bay M 50-59	127006.97	102482	24524.97	1.644	1.326	0.317
8106 South Bay M 60-64	39132.39	38231	901.39	0.506	0.495	0.012
8107 South Bay M 65+	96716.11	83656	13060.11	1.252	1.083	0.169
8201 South Bay F 18-24	59770.49	79389	-19618.51	0.773	1.027	-0.254
8202 South Bay F 25-29	45016.87	55392	-10375.13	0.583	0.717	-0.134
8203 South Bay F 30-39	104965.36	108376	-3410.64	1.358	1.402	-0.044
8204 South Bay F 40-49	98521.59	112925	-14403.41	1.275	1.461	-0.186
8205 South Bay F 50-59	114357.56	108367	5990.56	1.480	1.402	0.078
8206 South Bay F 60-64	79218.18	42399	36819.18	1.025	0.549	0.476
8207 South Bay F 65+	164976.28	107717	57259.28	2.135	1.394	0.741

12:49 2015

The FREQ Procedure

HOUDEPT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 0 Children in HH	4979078.58	4429504	549574.17	64.431	57.319	7.112
2: 1 Child in HH	1194757.35	1405678	-210920.68	15.461	18.190	-2.729
3: 2 Children in HH	986041.40	1108894	-122852.23	12.760	14.349	-1.590
4: 3+ Children in HH	567914.95	783724	-215808.99	7.349	10.142	-2.793

The FREQ Procedure

HOUADULT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	1436761.22	1024687	412074.47	18.592	13.260	5.332
2: 2 Adults in HH	3016590.97	3099578	-82986.60	39.036	40.109	-1.074
3: 3 Adults in HH	1656266.46	1647778	8488.54	21.433	21.323	0.110
4: 4+ Adults in HH	1618173.62	1955758	-337584.13	20.940	25.308	-4.368

The FREQ Procedure

Post-Imputation value of Q64C	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Yes, U.S. Citizen	6361167.36	5939170	421997.67	82.315	76.855	5.461
2 No, NOT a U.S. Citizen	1366624.92	1788630	-422005.40	17.685	23.145	-5.461

The FREQ Procedure

I_Q64_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Born in U.S.	4885569.34	4250986	634583.26	63.221	55.009	8.212
2 Born Outside the U.S.	2842222.93	3476814	-634590.99	36.779	44.991	-8.212

2015

The FREQ Procedure

I_Q79_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Own	3296802.04	3962552	-665750.23	42.662	51.277	-8.615
2 Rent	4430990.23	3765248	665742.50	57.338	48.723	8.615

2015

The FREQ Procedure

I_Q75_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Married	3421285.31	3563377	-142091.65	44.272	46.111	-1.839
2 Never married, living together, domestic partners	2857805.58	2854369	3436.52	36.981	36.936	0.045
3 Widowed,	449675.99	398923	50752.90	5.819	5.162	0.657
4 Divorced, Separated	999025.39	911131	87894.50	12.928	11.790	1.137

2015

The FREQ Procedure

Post-Imputation value of EDU	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Less than high school	1436291.20	1741733	-305441.92	18.586	22.539	-3.952
2 High school	1526364.28	1654433	-128069.11	19.752	21.409	-1.657

Post-Imputation value of EDU	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
3 Some college or trade school	1970949.53	2231265	-260315.74	25.505	28.873	-3.369
4 College or post graduate degree	2794187.26	2100368	693819.04	36.158	27.179	8.978

2015

The FREQ Procedure

Post-Imputation value of RACE_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Latino	3308307.36	3409012	-100704.64	42.811	44.114	-1.303
2 White	2469598.99	2411052	58546.99	31.957	31.200	0.758
3 African American	995775.32	674744	321031.32	12.886	8.731	4.154
4 Asian	889040.65	1198089	-309048.35	11.504	15.504	-3.999
5 NHOPI	14102.95	18481	-4378.05	0.182	0.239	-0.057
6 American Indian	50967.00	16422	34545.00	0.660	0.213	0.447

2015

The FREQ Procedure

GENDER_AGEGROUP	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
11 M 18-24	422471.65	554484	-132012.35	5.467	7.175	-1.708
12 M 25-29	303605.26	388491	-84885.74	3.929	5.027	-1.098
13 M 30-39	606876.29	727932	-121055.71	7.853	9.420	-1.566
14 M 40-49	538684.51	701639	-162954.49	6.971	9.079	-2.109
15 M 50-59	616691.88	637402	-20710.12	7.980	8.248	-0.268
16 M 60-64	280125.21	241042	39083.21	3.625	3.119	0.506
17 M 65+	595519.70	518279	77240.70	7.706	6.707	1.000
21 F 18-24	512881.34	535918	-23036.66	6.637	6.935	-0.298
22 F 25-29	345458.72	371959	-26500.28	4.470	4.813	-0.343

GENDER_AGEGROUP	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
23 F 30-39	720597.07	717664	2933.07	9.325	9.287	0.038
24 F 40-49	732599.30	708925	23674.30	9.480	9.174	0.306
25 F 50-59	802843.30	670942	131901.30	10.389	8.682	1.707
26 F 60-64	361820.46	269192	92628.46	4.682	3.483	1.199
27 F 65+	887617.58	683931	203686.58	11.486	8.850	2.636

2015

The FREQ Procedure

**** Program terminated at iteration 10 because all current percents differ from target percents by less than 0.05 ****

2015

The FREQ Procedure

Weighted Distribution After Raking

TELEPHONE_SERVICE6C	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 cell only	2697291.56	2697450	-158.85	34.904	34.906	-0.002
2 landline only	572565.80	572615	-48.72	7.409	7.410	-0.001
3 dual user, cell mostly	1748410.88	1748384	27.04	22.625	22.625	0.000
4 dual user, not cell mostly	2709531.76	2709343	188.26	35.062	35.060	0.002

2015

The FREQ Procedure

GEO_HD_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Alhambra	279867.15	279757	110.15	3.622	3.620	0.001
2 Antelope Valley	284235.00	284419	-184.00	3.678	3.680	-0.002
3 Bellflower	272979.15	272927	52.15	3.532	3.532	0.001
4 Central	278040.41	277960	80.41	3.598	3.597	0.001
5 Compton	196697.52	197000	-302.48	2.545	2.549	-0.004
6 East LA	147571.94	147593	-21.06	1.910	1.910	-0.000
7 East Valley	349674.71	349596	78.71	4.525	4.524	0.001
8 El Monte	328144.97	327994	150.97	4.246	4.244	0.002
9 Foothill	240780.75	240591	189.75	3.116	3.113	0.002
10 Glendale	280555.49	280488	67.49	3.630	3.630	0.001
11 Harbor	156218.47	156251	-32.53	2.022	2.022	-0.000
12 Hollywood-Wilshire	411214.41	411124	90.41	5.321	5.320	0.001
13 Inglewood	309443.98	309581	-137.02	4.004	4.006	-0.002
14 Long Beach	359805.13	359934	-128.87	4.656	4.658	-0.002
15 Northeast	231988.41	231884	104.41	3.002	3.001	0.001
16 Pasadena	114307.69	114220	87.69	1.479	1.478	0.001
17 Pomona	422819.87	422505	314.87	5.471	5.467	0.004
18 San Antonio	302958.84	302934	24.84	3.920	3.920	0.000
19 San Fernando	389501.04	389333	168.04	5.040	5.038	0.002
20 South	129046.13	129288	-241.87	1.670	1.673	-0.003
21 Southeast	116435.18	116674	-238.82	1.507	1.510	-0.003
22 Southwest	287469.93	287954	-484.07	3.720	3.726	-0.006
23 Torrance	362062.52	362087	-24.48	4.685	4.686	-0.000
24 West	546176.55	546091	85.55	7.068	7.067	0.001
25 West Valley	683850.32	683700	150.32	8.849	8.847	0.002
26 Whittier	245954.42	245915	39.42	3.183	3.182	0.001

2015

The FREQ Procedure

GEO_SPA_I_RACE_R2	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1001 Antelope Valley, Latino	114908.09	115226	-317.91	1.487	1.491	-0.004
1002 Antelope Valley, White	111503.30	111827	-323.70	1.443	1.447	-0.004
1003 Antelope Valley, African American	43092.97	43477	-384.03	0.558	0.563	-0.005
1004 Antelope Valley, Asian	12068.81	12071	-2.19	0.156	0.156	-0.000
1056 Antelope Valley, NHOPI/American Indian	2661.83	1818	843.83	0.034	0.024	0.011
2001 San Fernando, Latino	617322.45	617243	79.45	7.988	7.987	0.001
2002 San Fernando, White	814708.94	814512	196.94	10.543	10.540	0.003
2004 San Fernando, Asian	204304.86	203772	532.86	2.644	2.637	0.007
2356 San Fernando, African American/NHOPI/American Indian	67245.31	67590	-344.69	0.870	0.875	-0.004
3001 San Gabriel, Latino	583519.17	583428	91.17	7.551	7.550	0.001
3002 San Gabriel, White	325136.95	325098	38.95	4.207	4.207	0.001
3004 San Gabriel, Asian	419597.61	418580	1017.61	5.430	5.417	0.013
3356 San Gabriel, African American/NHOPI/American Indian	57666.71	57961	-294.29	0.746	0.750	-0.004
4001 Metro, Latino	435273.01	435265	8.01	5.633	5.632	0.000
4002 Metro, White	252406.16	252372	34.16	3.266	3.266	0.000
4004 Metro, Asian	177907.92	177370	537.92	2.302	2.295	0.007
4356 Metro, African American/NHOPI/American Indian	55656.15	55961	-304.85	0.720	0.724	-0.004
5001 West, Latino	80650.61	80596	54.61	1.044	1.043	0.001
5002 West, White	353555.44	353358	197.44	4.575	4.573	0.003
5003 West, African American	31306.31	31477	-170.69	0.405	0.407	-0.002
5456 West, Asian/NHOPI/American Indian	80664.18	80660	4.18	1.044	1.044	0.000
6001 South, Latino	468265.18	468272	-6.82	6.059	6.060	-0.000
6002 South, White	21694.81	21696	-1.19	0.281	0.281	-0.000
6003 South, African American	221026.50	222335	-1308.50	2.860	2.877	-0.017
6456 South, Asian/NHOPI/American Indian	18662.27	18613	49.27	0.241	0.241	0.001
7001 East, Latino	678510.76	678450	60.76	8.780	8.779	0.001
7002 East, White	158415.15	158405	10.15	2.050	2.050	0.000
7004 East, Asian	97929.47	97713	216.47	1.267	1.264	0.003
7356 East, African American/NHOPI/American Indian	34608.96	34801	-192.04	0.448	0.450	-0.002
8001 South Bay, Latino	430620.06	430532	88.06	5.572	5.571	0.001
8002 South Bay, White	373878.82	373784	94.82	4.838	4.837	0.001
8003 South Bay, African American	176324.01	177330	-1005.99	2.282	2.295	-0.013
8456 South Bay, Asian/NHOPI/American Indian	206707.20	206207	500.20	2.675	2.668	0.006

2015

The FREQ Procedure

GEO_SPA_GENDER_AGEGROUP_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1101 Antelope Valley M 18-24	26017.42	26109	-91.58	0.337	0.338	-0.001
1102 Antelope Valley M 25-29	14482.65	14408	74.65	0.187	0.186	0.001
1103 Antelope Valley M 30-39	23181.37	23193	-11.63	0.300	0.300	-0.000
1104 Antelope Valley M 40-49	24355.85	24365	-9.15	0.315	0.315	-0.000
1105 Antelope Valley M 50-59	26159.45	26161	-1.55	0.339	0.339	-0.000
1106 Antelope Valley M 60-64	9039.12	9040	-0.88	0.117	0.117	-0.000
1107 Antelope Valley M 65+	16463.80	16474	-10.20	0.213	0.213	-0.000
1201 Antelope Valley F 18-24	24945.02	25136	-190.98	0.323	0.325	-0.002
1202 Antelope Valley F 25-29	13598.87	13471	127.87	0.176	0.174	0.002
1203 Antelope Valley F 30-39	23048.38	23063	-14.62	0.298	0.298	-0.000
1204 Antelope Valley F 40-49	25749.22	25808	-58.78	0.333	0.334	-0.001
1205 Antelope Valley F 50-59	27285.59	27290	-4.41	0.353	0.353	-0.000
1206 Antelope Valley F 60-64	9402.17	9404	-1.83	0.122	0.122	-0.000
1207 Antelope Valley F 65+	20506.06	20497	9.06	0.265	0.265	0.000
2101 San Fernando M 18-24	114494.51	114926	-431.49	1.482	1.487	-0.006
2102 San Fernando M 25-29	83364.49	82873	491.49	1.079	1.072	0.006
2103 San Fernando M 30-39	155290.63	155283	7.63	2.010	2.009	0.000
2104 San Fernando M 40-49	156881.68	156890	-8.32	2.030	2.030	-0.000
2105 San Fernando M 50-59	150246.93	150197	49.93	1.944	1.944	0.001
2106 San Fernando M 60-64	56614.42	56605	9.42	0.733	0.732	0.000
2107 San Fernando M 65+	118126.44	118117	9.44	1.529	1.528	0.000
2201 San Fernando F 18-24	106063.43	106768	-704.57	1.372	1.382	-0.009
2202 San Fernando F 25-29	78013.07	77193	820.07	1.010	0.999	0.011
2203 San Fernando F 30-39	150672.38	150605	67.38	1.950	1.949	0.001
2204 San Fernando F 40-49	160718.75	160672	46.75	2.080	2.079	0.001
2205 San Fernando F 50-59	156917.69	156846	71.69	2.031	2.030	0.001
2206 San Fernando F 60-64	62068.82	62063	5.82	0.803	0.803	0.000
2207 San Fernando F 65+	154108.32	154079	29.32	1.994	1.994	0.000
3101 San Gabriel M 18-24	99189.10	99546	-356.90	1.284	1.288	-0.005
3102 San Gabriel M 25-29	66902.50	66470	432.50	0.866	0.860	0.006
3103 San Gabriel M 30-39	113989.73	113873	116.73	1.475	1.474	0.002
3104 San Gabriel M 40-49	117075.47	117006	69.47	1.515	1.514	0.001
3105 San Gabriel M 50-59	117909.36	117843	66.36	1.526	1.525	0.001
3106 San Gabriel M 60-64	47242.40	47216	26.40	0.611	0.611	0.000
3107 San Gabriel M 65+	105090.76	105003	87.76	1.360	1.359	0.001
3201 San Gabriel F 18-24	95124.19	95704	-579.81	1.231	1.238	-0.008
3202 San Gabriel F 25-29	62448.99	61790	658.99	0.808	0.800	0.009
3203 San Gabriel F 30-39	114898.42	114873	25.42	1.487	1.486	0.000

GEO_SPA_GENDER_AGEGROUP_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
3204 San Gabriel F 40-49	124549.65	124435	114.65	1.612	1.610	0.001
3205 San Gabriel F 50-59	128573.11	128517	56.11	1.664	1.663	0.001
3206 San Gabriel F 60-64	54550.03	54525	25.03	0.706	0.706	0.000
3207 San Gabriel F 65+	138376.73	138266	110.73	1.791	1.789	0.001
4103 Metro M 30-39	113711.85	113771	-59.15	1.471	1.472	-0.001
4104 Metro M 40-49	97751.26	97764	-12.74	1.265	1.265	-0.000
4105 Metro M 50-59	72485.37	72498	-12.63	0.938	0.938	-0.000
4106 Metro M 60-64	26333.86	26332	1.86	0.341	0.341	0.000
4107 Metro M 65+	56269.74	56267	2.74	0.728	0.728	0.000
4112 Metro M 18-29	105983.59	105894	89.59	1.371	1.370	0.001
4201 Metro F 18-24	49195.89	49523	-327.11	0.637	0.641	-0.004
4202 Metro F 25-29	49394.95	48877	517.95	0.639	0.632	0.007
4203 Metro F 30-39	100824.17	100799	25.17	1.305	1.304	0.000
4204 Metro F 40-49	80226.62	80208	18.62	1.038	1.038	0.000
4205 Metro F 50-59	66353.03	66369	-15.97	0.859	0.859	-0.000
4206 Metro F 60-64	27753.41	27740	13.41	0.359	0.359	0.000
4207 Metro F 65+	74959.49	74926	33.49	0.970	0.970	0.000
5103 West M 30-39	55969.96	55945	24.96	0.724	0.724	0.000
5104 West M 40-49	47190.04	47204	-13.96	0.611	0.611	-0.000
5105 West M 50-59	40799.70	40818	-18.30	0.528	0.528	-0.000
5106 West M 60-64	17285.72	17294	-8.28	0.224	0.224	-0.000
5107 West M 65+	43037.81	43031	6.81	0.557	0.557	0.000
5112 West M 18-29	57654.83	57579	75.83	0.746	0.745	0.001
5203 West F 30-39	56774.22	56770	4.22	0.735	0.735	0.000
5204 West F 40-49	48295.01	48292	3.01	0.625	0.625	0.000
5205 West F 50-59	43539.15	43530	9.15	0.563	0.563	0.000
5206 West F 60-64	19406.51	19401	5.51	0.251	0.251	0.000
5207 West F 65+	54919.77	54923	-3.23	0.711	0.711	-0.000
5212 West F 18-29	61303.83	61304	-0.17	0.793	0.793	-0.000
6101 South M 18-24	68775.52	69106	-330.48	0.890	0.894	-0.004
6102 South M 25-29	41652.21	41514	138.21	0.539	0.537	0.002
6103 South M 30-39	71460.67	71513	-52.33	0.925	0.925	-0.001
6104 South M 40-49	63407.94	63450	-42.06	0.821	0.821	-0.001
6105 South M 50-59	52281.88	52398	-116.12	0.677	0.678	-0.002
6106 South M 60-64	17934.58	17979	-44.42	0.232	0.233	-0.001
6107 South M 65+	33830.13	33936	-105.87	0.438	0.439	-0.001
6201 South F 18-24	67933.26	68497	-563.74	0.879	0.886	-0.007
6202 South F 25-29	41177.44	40834	343.44	0.533	0.528	0.004
6203 South F 30-39	73019.34	73093	-73.66	0.945	0.946	-0.001
6204 South F 40-49	67611.48	67712	-100.52	0.875	0.876	-0.001
6205 South F 50-59	59251.19	59372	-120.81	0.767	0.768	-0.002
6206 South F 60-64	21324.17	21357	-32.83	0.276	0.276	-0.000

GEO_SPA_GENDER_AGEGROUP_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
6207 South F 65+	49988.95	50155	-166.05	0.647	0.649	-0.002
7103 East M 30-39	88773.64	88805	-31.36	1.149	1.149	-0.000
7104 East M 40-49	87565.32	87542	23.32	1.133	1.133	0.000
7105 East M 50-59	75046.02	75005	41.02	0.971	0.971	0.001
7106 East M 60-64	28347.56	28345	2.56	0.367	0.367	0.000
7107 East M 65+	61804.07	61795	9.07	0.800	0.800	0.000
7112 East M 18-29	128491.44	128598	-106.56	1.663	1.664	-0.001
7201 East F 18-24	75708.31	76189	-480.69	0.980	0.986	-0.006
7202 East F 25-29	48308.85	47810	498.85	0.625	0.619	0.006
7203 East F 30-39	90120.49	90085	35.49	1.166	1.166	0.000
7204 East F 40-49	88896.02	88873	23.02	1.150	1.150	0.000
7205 East F 50-59	80695.25	80651	44.25	1.044	1.044	0.001
7206 East F 60-64	32316.11	32303	13.11	0.418	0.418	0.000
7207 East F 65+	83391.28	83368	23.28	1.079	1.079	0.000
8101 South Bay M 18-24	79961.31	80256	-294.69	1.035	1.039	-0.004
8102 South Bay M 25-29	56005.45	55696	309.45	0.725	0.721	0.004
8103 South Bay M 30-39	105554.14	105549	5.14	1.366	1.366	0.000
8104 South Bay M 40-49	107411.43	107418	-6.57	1.390	1.390	-0.000
8105 South Bay M 50-59	102473.28	102482	-8.72	1.326	1.326	-0.000
8106 South Bay M 60-64	38244.34	38231	13.34	0.495	0.495	0.000
8107 South Bay M 65+	83656.26	83656	0.26	1.083	1.083	0.000
8201 South Bay F 18-24	78818.32	79389	-570.68	1.020	1.027	-0.007
8202 South Bay F 25-29	55842.58	55392	450.58	0.723	0.717	0.006
8203 South Bay F 30-39	108306.59	108376	-69.41	1.402	1.402	-0.001
8204 South Bay F 40-49	112878.23	112925	-46.77	1.461	1.461	-0.001
8205 South Bay F 50-59	108326.99	108367	-40.01	1.402	1.402	-0.001
8206 South Bay F 60-64	42370.79	42399	-28.21	0.548	0.549	-0.000
8207 South Bay F 65+	107680.39	107717	-36.61	1.393	1.394	-0.000

2015

The FREQ Procedure

HOUDEPT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 0 Children in HH	4429261.25	4429504	-243.15	57.316	57.319	-0.003
2: 1 Child in HH	1405481.05	1405678	-196.97	18.187	18.190	-0.003

HOUDEPT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
3: 2 Children in HH	1109301.23	1108894	407.60	14.355	14.349	0.005
4: 3+ Children in HH	783756.47	783724	32.53	10.142	10.142	0.000

2015

The FREQ Procedure

HOUADULT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	1024343.34	1024687	-343.41	13.255	13.260	-0.004
2: 2 Adults in HH	3100764.43	3099578	1186.86	40.125	40.109	0.015
3: 3 Adults in HH	1647428.33	1647778	-349.60	21.318	21.323	-0.005
4: 4+ Adults in HH	1955263.90	1955758	-493.85	25.302	25.308	-0.006

2015

The FREQ Procedure

Post-Imputation value of Q64C	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Yes, U.S. Citizen	5938044.94	5939170	-1124.74	76.840	76.855	-0.015
2 No, NOT a U.S. Citizen	1789755.06	1788630	1124.74	23.160	23.145	0.015

2015

The FREQ Procedure

I_Q64_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Born in U.S.	4247935.87	4250986	-3050.21	54.970	55.009	-0.039
2 Born Outside the U.S.	3479864.13	3476814	3050.21	45.030	44.991	0.039

2015

The FREQ Procedure

I_Q79_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Own	3962072.23	3962552	-480.04	51.270	51.277	-0.006
2 Rent	3765727.77	3765248	480.04	48.730	48.723	0.006

2015

The FREQ Procedure

I_Q75_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Married	3565339.74	3563377	1962.77	46.137	46.111	0.025
2 Never married, living together, domestic partners	2852848.21	2854369	-1520.85	36.917	36.936	-0.020
3 Widowed,	398679.48	398923	-243.60	5.159	5.162	-0.003
4 Divorced, Separated	910932.57	911131	-198.32	11.788	11.790	-0.003

2015

The FREQ Procedure

Post-Imputation value of EDU	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Less than high school	1742080.82	1741733	347.71	22.543	22.539	0.004
2 High school	1653464.48	1654433	-968.91	21.396	21.409	-0.013
3 Some college or trade school	2230226.89	2231265	-1038.38	28.860	28.873	-0.013
4 College or post graduate degree	2102027.81	2100368	1659.58	27.201	27.179	0.021

2015

The FREQ Procedure

Post-Imputation value of RACE_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Latino	3409069.34	3409012	57.34	44.114	44.114	0.001
2 White	2411299.58	2411052	247.58	31.203	31.200	0.003
3 African American	674781.60	674744	37.60	8.732	8.731	0.000
4 Asian	1197781.84	1198089	-307.16	15.500	15.504	-0.004
5 NHOPI	18438.13	18481	-42.87	0.239	0.239	-0.001
6 American Indian	16429.51	16422	7.51	0.213	0.213	0.000

2015

The FREQ Procedure

GENDER_AGEGROUP	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
11 M 18-24	554484.00	554484	-0.00	7.175	7.175	-0.000
12 M 25-29	388491.00	388491	-0.00	5.027	5.027	0.000
13 M 30-39	727932.00	727932	0.00	9.420	9.420	0.000
14 M 40-49	701639.00	701639	-0.00	9.079	9.079	-0.000
15 M 50-59	637402.00	637402	0.00	8.248	8.248	0.000
16 M 60-64	241042.00	241042	0.00	3.119	3.119	0.000

GENDER_AGEGROUP	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
17 M 65+	518279.00	518279	-0.00	6.707	6.707	-0.000
21 F 18-24	535918.00	535918	0.00	6.935	6.935	0.000
22 F 25-29	371959.00	371959	-0.00	4.813	4.813	-0.000
23 F 30-39	717664.00	717664	0.00	9.287	9.287	0.000
24 F 40-49	708925.00	708925	-0.00	9.174	9.174	0.000
25 F 50-59	670942.00	670942	-0.00	8.682	8.682	-0.000
26 F 60-64	269192.00	269192	0.00	3.483	3.483	0.000
27 F 65+	683931.00	683931	-0.00	8.850	8.850	-0.000

2015

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	366372.97	4.7409	0.91186
2	97186.28	1.2576	0.96023
3	67688.30	0.8759	0.98345
4	52405.97	0.6781	0.99120
5	31677.49	0.4099	0.99335
6	16497.35	0.2135	0.99377
7	8361.23	0.1082	0.99375
8	5545.22	0.0718	0.99373
9	3922.86	0.0508	0.99374
10	3050.21	0.0395	0.99380

2015

Number of Respondents Who Had Their Weights Decreased by the Trimming: **93.**
Number of Respondents Who Had Their Weights Increased by the Trimming: **816.**

Raking output weight: **ADULT_POP_WT**

2015

Weight	Mean	Min	Max	CV
COMPOSITE_WT_ATPT	965.01	15.80	7203.48	0.819
ADULT_POP_WT	965.01	78.99	9646.65	0.994

2015

Appendix III-E: Subsample Sizes for the Raking Variables

```
LACHS2014_6E12.LS2A                                                         2

                           LACHS 2014 ADULT COMPLETES SUBSAMPLE

                           Table 2a.1. TELEPHONE_SERVICE6C by SBSMP

                  N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_
  Obs     TELEPHONE_SERVICE6C    1          2          3          4          5          6          7          8

   1    1 cell only                 231        218        242        200        229        239        229        216
   2    2 landline only             102        116        117        125        114        109        118        120
   3    3 dual user, cell mostly    216        198        185        219        224        206        209        211
   4    4 dual user, not cell mostly 453       467        456        452        431        449        441        466
                                   ========   ========   ========   ========   ========   ========   ========   ========
                                     1002        999       1000        996        998       1003        997       1013
```

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.2. GEO_HD_R by SBSMP

Obs	GEO_HD_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Alhambra	42	22	26	32	30	29	43	33
2	2 Antelope Valley	134	131	127	100	145	138	116	123
3	3 Bellflower	23	30	31	27	25	28	22	23
4	4 Central	20	25	26	25	27	29	26	14
5	5 Compton	20	16	16	24	24	25	28	21
6	6 East LA	11	15	6	11	13	18	15	16
7	7 East Valley	34	45	31	43	46	33	43	41
8	8 El Monte	25	26	48	32	24	28	28	31
9	9 Foothill	42	36	32	43	40	30	37	17
10	10 Glendale	29	34	45	28	27	22	26	37
11	11 Harbor	25	15	14	23	22	18	25	17
12	12 Hollywood-Wilshire	52	29	34	51	36	58	37	45
13	13 Inglewood	22	36	45	52	37	40	40	35
14	14 Long Beach	41	41	39	29	36	42	44	39
15	15 Northeast	27	23	24	30	26	17	21	27
16	16 Pasadena	25	18	14	25	19	16	24	22
17	17 Pomona	34	49	33	41	35	35	33	42
18	18 San Antonio	28	15	27	15	29	25	25	24
19	19 San Fernando	37	52	53	58	56	38	42	62
20	20 South	19	23	27	14	7	15	19	12
21	21 Southeast	10	9	12	11	8	16	9	11
22	22 Southwest	52	42	53	28	43	51	40	35
23	23 Torrance	44	50	37	39	38	45	38	56
24	24 West	112	113	90	103	90	100	99	120
25	25 West Valley	73	76	90	96	83	86	85	77
26	26 Whittier	21	28	20	16	32	21	32	33
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

LACHS2014_6E12.LS2A   4

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.3. GEO_SPA_I_RACE_R2 by SBSMP

Obs	GEO_SPA_I_RACE_R2	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1001 Antelope Valley, Latino	50	40	38	33	45	38	32	41
2	1002 Antelope Valley, White	56	65	69	50	70	74	59	61
3	1003 Antelope Valley, African American	23	19	14	11	25	18	23	14
4	1004 Antelope Valley, Asian	4	4	2	3	1	5	2	3
5	1056 Antelope Valley, NHOPI/American Indian	1	3	4	3	4	3	.	4
6	2001 San Fernando, Latino	58	58	66	65	69	51	55	52
7	2002 San Fernando, White	100	123	122	137	120	104	117	134
8	2004 San Fernando, Asian	6	14	19	14	13	17	16	17
9	2356 San Fernando, African American/NHOPI/American Indian	9	12	12	9	10	7	8	14
10	3001 San Gabriel, Latino	53	51	53	58	49	50	60	58
11	3002 San Gabriel, White	58	64	63	65	58	50	54	37
12	3004 San Gabriel, Asian	48	28	28	40	31	34	44	39
13	3356 San Gabriel, African American/NHOPI/American Indian	9	8	9	10	10	4	7	11
14	4001 Metro, Latino	46	32	35	43	38	47	31	35
15	4002 Metro, White	22	24	29	41	33	30	26	35
16	4004 Metro, Asian	19	15	14	18	14	12	14	8
17	4356 Metro, African American/NHOPI/American Indian	12	6	6	4	4	15	13	8
18	5001 West, Latino	22	14	10	16	15	11	8	10
19	5002 West, White	78	85	73	70	58	73	78	87
20	5003 West, African American	5	5	6	6	9	6	9	9
21	5456 West, Asian/NHOPI/American Indian	7	9	1	11	8	10	4	14
22	6001 South, Latino	46	47	46	39	38	46	49	36
23	6002 South, White	.	3	6	4	3	5	2	2
24	6003 South, African American	52	37	52	32	38	53	41	40
25	6456 South, Asian/NHOPI/American Indian	3	3	4	2	3	3	4	1
26	7001 East, Latino	51	57	47	38	50	47	55	54
27	7002 East, White	26	22	25	19	35	29	28	32
28	7004 East, Asian	4	7	7	3	8	11	4	6
29	7356 East, African American/NHOPI/American Indian	2	2	5	9	6	5	7	4
30	8001 South Bay, Latino	33	30	27	37	32	34	39	39
31	8002 South Bay, White	64	59	58	60	56	67	70	79
32	8003 South Bay, African American	24	34	30	31	30	31	27	21
33	8456 South Bay, Asian/NHOPI/American Indian	11	19	20	15	15	13	11	8
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.4. GEO_SPA_GENDER_AGEGROUP_R by SBSMP

Obs	GEO_SPA_GENDER_AGEGROUP_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1101 Antelope Valley M 18-24	2	2	4	3	6	3	3	8
2	1102 Antelope Valley M 25-29	3	2	5	4	1	4	3	3
3	1103 Antelope Valley M 30-39	4	5	6	6	4	6	5	9
4	1104 Antelope Valley M 40-49	5	9	7	4	3	8	8	6
5	1105 Antelope Valley M 50-59	14	9	14	9	13	11	5	12
6	1106 Antelope Valley M 60-64	3	5	2	6	7	5	6	5
7	1107 Antelope Valley M 65+	16	11	11	8	14	13	8	10
8	1201 Antelope Valley F 18-24	9	6	9	4	6	7	7	3
9	1202 Antelope Valley F 25-29	3	1	4	1	5	4	4	3
10	1203 Antelope Valley F 30-39	17	5	9	13	20	10	11	9
11	1204 Antelope Valley F 40-49	15	20	7	5	18	15	14	11
12	1205 Antelope Valley F 50-59	14	15	17	10	23	20	13	11
13	1206 Antelope Valley F 60-64	7	10	6	5	7	7	8	8
14	1207 Antelope Valley F 65+	22	31	26	22	18	25	21	25
15	2101 San Fernando M 18-24	3	4	5	8	8	9	8	8
16	2102 San Fernando M 25-29	3	5	2	8	.	5	6	3
17	2103 San Fernando M 30-39	6	12	13	10	13	7	8	14
18	2104 San Fernando M 40-49	19	18	12	12	16	10	9	12
19	2105 San Fernando M 50-59	21	18	21	18	16	14	15	19
20	2106 San Fernando M 60-64	6	10	7	12	6	3	9	9
21	2107 San Fernando M 65+	18	20	28	28	23	17	24	29
22	2201 San Fernando F 18-24	8	7	11	9	10	6	4	6
23	2202 San Fernando F 25-29	4	5	3	5	9	7	6	8
24	2203 San Fernando F 30-39	11	13	15	12	21	14	17	14
25	2204 San Fernando F 40-49	16	19	30	17	23	25	20	18
26	2205 San Fernando F 50-59	21	31	21	32	22	19	24	33
27	2206 San Fernando F 60-64	11	12	11	11	10	7	13	11
28	2207 San Fernando F 65+	26	33	40	43	35	36	33	33
29	3101 San Gabriel M 18-24	7	5	4	5	3	4	7	4
30	3102 San Gabriel M 25-29	2	5	5	3	4	5	5	4
31	3103 San Gabriel M 30-39	8	6	8	9	12	13	16	4
32	3104 San Gabriel M 40-49	11	10	7	12	9	7	10	5
33	3105 San Gabriel M 50-59	15	10	9	10	10	14	11	11
34	3106 San Gabriel M 60-64	3	8	4	5	7	7	5	6
35	3107 San Gabriel M 65+	23	18	22	18	23	15	13	19
36	3201 San Gabriel F 18-24	7	10	8	9	6	7	3	8
37	3202 San Gabriel F 25-29	5	3	5	5	2	2	6	5
38	3203 San Gabriel F 30-39	17	3	11	10	9	8	8	10
39	3204 San Gabriel F 40-49	10	13	11	13	11	10	18	14
40	3205 San Gabriel F 50-59	20	22	19	21	18	13	16	16
41	3206 San Gabriel F 60-64	6	9	8	14	10	8	9	9
42	3207 San Gabriel F 65+	34	29	32	39	24	25	38	30
43	4103 Metro M 30-39	13	2	5	9	5	6	5	8
44	4104 Metro M 40-49	10	6	6	11	10	7	7	5
45	4105 Metro M 50-59	7	10	11	11	8	11	6	7

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.4. GEO_SPA_GENDER_AGEGROUP_R by SBSMP

Obs	GEO_SPA_GENDER_ AGEGROUP_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
46	4106 Metro M 60-64	2	3	3	5	5	1	3	7
47	4107 Metro M 65+	12	10	6	6	8	9	11	9
48	4112 Metro M 18-29	5	3	9	9	6	11	7	4
49	4201 Metro F 18-24	5	3	5	4	7	4	7	1
50	4202 Metro F 25-29	1	.	2	2	2	5	1	3
51	4203 Metro F 30-39	8	9	6	11	6	5	8	6
52	4204 Metro F 40-49	4	10	6	3	12	14	8	11
53	4205 Metro F 50-59	13	6	6	9	5	11	9	10
54	4206 Metro F 60-64	3	4	2	5	3	2	4	4
55	4207 Metro F 65+	16	11	17	21	12	18	8	11
56	5103 West M 30-39	7	4	6	3	2	3	3	5
57	5104 West M 40-49	3	7	7	10	5	5	5	5
58	5105 West M 50-59	9	6	12	9	5	13	9	7
59	5106 West M 60-64	4	6	5	5	2	4	2	4
60	5107 West M 65+	13	21	9	15	16	18	7	18
61	5112 West M 18-29	6	4	2	3	5	4	6	2
62	5203 West F 30-39	4	5	3	3	5	7	4	10
63	5204 West F 40-49	11	7	5	11	12	10	9	6
64	5205 West F 50-59	16	15	13	16	10	10	12	20
65	5206 West F 60-64	10	10	5	6	8	1	12	7
66	5207 West F 65+	25	25	20	21	17	23	26	32
67	5212 West F 18-29	4	3	3	1	3	2	4	4
68	6101 South M 18-24	8	7	5	2	4	5	4	3
69	6102 South M 25-29	3	3	2	3	2	6	3	2
70	6103 South M 30-39	8	3	4	1	9	8	6	4
71	6104 South M 40-49	5	6	8	5	6	7	10	5
72	6105 South M 50-59	5	4	10	3	7	7	6	6
73	6106 South M 60-64	1	3	4	6	2	3	5	1
74	6107 South M 65+	10	8	5	5	4	8	9	9
75	6201 South F 18-24	3	11	6	6	1	5	5	4
76	6202 South F 25-29	3	1	6	2	2	6	6	5
77	6203 South F 30-39	11	7	7	17	7	11	8	7
78	6204 South F 40-49	8	8	10	5	8	12	13	8
79	6205 South F 50-59	12	9	9	7	13	10	8	7
80	6206 South F 60-64	5	5	6	4	5	7	3	3
81	6207 South F 65+	19	15	26	11	12	12	10	15
82	7103 East M 30-39	5	5	5	5	7	2	5	5
83	7104 East M 40-49	2	4	3	11	3	4	8	7
84	7105 East M 50-59	8	8	6	4	11	5	6	12
85	7106 East M 60-64	2	6	4	2	1	6	3	7
86	7107 East M 65+	7	2	5	4	13	11	12	7
87	7112 East M 18-29	8	10	4	3	6	9	6	4
88	7201 East F 18-24	5	7	6	1	4	6	4	6
89	7202 East F 25-29	3	2	3	6	5	1	3	.
90	7203 East F 30-39	8	7	15	7	9	7	7	8

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.4. GEO_SPA_GENDER_AGEGROUP_R by SBSMP

Obs	GEO_SPA_GENDER_AGEGROUP_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
91	7204 East F 40-49	7	6	8	6	8	7	5	10
92	7205 East F 50-59	11	13	8	7	10	7	8	6
93	7206 East F 60-64	5	3	7	4	4	10	6	9
94	7207 East F 65+	12	15	10	9	18	17	21	15
95	8101 South Bay M 18-24	4	5	.	6	7	5	3	4
96	8102 South Bay M 25-29	4	2	4	2	2	3	5	2
97	8103 South Bay M 30-39	6	9	7	3	6	8	6	8
98	8104 South Bay M 40-49	5	9	8	10	6	7	5	11
99	8105 South Bay M 50-59	14	14	10	13	15	9	17	16
100	8106 South Bay M 60-64	9	4	6	4	6	5	6	4
101	8107 South Bay M 65+	11	12	18	17	18	18	12	22
102	8201 South Bay F 18-24	3	5	6	4	1	6	7	3
103	8202 South Bay F 25-29	.	2	4	3	4	5	4	3
104	8203 South Bay F 30-39	6	10	8	9	10	16	7	8
105	8204 South Bay F 40-49	11	17	12	13	8	11	13	9
106	8205 South Bay F 50-59	15	13	17	20	16	22	14	15
107	8206 South Bay F 60-64	10	14	10	10	6	8	9	14
108	8207 South Bay F 65+	34	26	25	29	28	22	39	28
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.5. HOUDEPT_R by SBSMP

Obs	HOUDEPT_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1: 0 Children in HH	697	714	705	689	699	673	705	716
2	2: 1 Child in HH	134	114	125	133	126	144	123	130
3	3: 2 Children in HH	102	120	113	113	103	106	100	111
4	4: 3+ Children in HH	69	51	57	61	70	80	69	56
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

239 | P a g e

LACHS2014_6E12.LS2A   9

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.6. HOUADULT_R by SBSMP

Obs	HOUADULT_R	N_SBSMP_1	N_SBSMP_2	N_SBSMP_3	N_SBSMP_4	N_SBSMP_5	N_SBSMP_6	N_SBSMP_7	N_SBSMP_8
1	1: 1 Adult in HH	281	275	256	259	259	250	265	268
2	2: 2 Adults in HH	417	386	407	419	414	441	414	398
3	3: 3 Adults in HH	184	185	168	177	157	159	179	197
4	4: 4+ Adults in HH	120	153	169	141	168	153	139	150
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS2014_6E12.LS2A   10

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.7. I_Q64C by SBSMP

Obs	I_Q64C	N_SBSMP_1	N_SBSMP_2	N_SBSMP_3	N_SBSMP_4	N_SBSMP_5	N_SBSMP_6	N_SBSMP_7	N_SBSMP_8
1	1 Yes, U.S. Citizen	884	872	870	887	890	879	869	902
2	2 No, NOT a U.S. Citizen	118	127	130	109	108	124	128	111
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS2014_6E12.LS2A   11

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.8. I_Q64_R by SBSMP

Obs	I_Q64_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Born in U.S.	688	680	710	698	696	697	687	709
2	2 Born Outside the U.S.	314	319	290	298	302	306	310	304
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS2014_6E12.LS2A   12

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.9. I_Q79_R by SBSMP

Obs	I_Q79_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Own	540	541	538	550	556	524	541	572
2	2 Rent	462	458	462	446	442	479	456	441
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS2014_6E12.LS2A   13

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.10. I_Q75_R by SBSMP

Obs	I_Q75_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Married	432	440	443	451	480	466	466	468
2	2 Never married, living together, domestic partners	298	298	301	296	299	298	283	301
3	3 Widowed,	108	112	101	100	84	90	87	99
4	4 Divorced, Separated	164	149	155	149	135	149	161	145
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.11. I_EDU by SBSMP

Obs	I_EDU	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Less than high school	143	150	155	136	130	164	143	133
2	2 High school	181	158	165	164	176	174	181	184
3	3 Some college or trade school	279	279	269	256	280	255	261	277
4	4 College or post graduate degree	399	412	411	440	412	410	412	419
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.12. I_RACE_R by SBSMP

Obs	I_RACE_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Latino	359	329	322	329	336	324	329	325
2	2 White	404	445	445	446	433	432	434	467
3	3 African American	134	119	128	107	129	134	131	117
4	4 Asian	98	95	89	102	88	99	98	92
5	5 NHOPI	3	1	4	1	5	5	2	2
6	6 American Indian	4	10	12	11	7	9	3	10
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS2014_6E12.LS2A   16

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 2a.13. GENDER_AGEGROUP by SBSMP

Obs	GENDER_ AGEGROUP	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	11 M 18-24	36	35	30	32	37	43	36	32
2	12 M 25-29	22	22	21	27	17	30	30	19
3	13 M 30-39	57	46	54	46	58	53	54	57
4	14 M 40-49	60	69	58	75	58	55	62	56
5	15 M 50-59	93	79	93	77	85	84	75	90
6	16 M 60-64	30	45	35	45	36	34	39	43
7	17 M 65+	110	102	104	101	119	109	96	123
8	21 F 18-24	42	50	52	38	36	41	40	34
9	22 F 25-29	21	16	29	24	31	32	31	28
10	23 F 30-39	82	59	74	82	87	78	70	72
11	24 F 40-49	82	100	89	73	100	104	100	87
12	25 F 50-59	122	124	110	122	117	112	104	118
13	26 F 60-64	57	67	55	59	53	50	64	65
14	27 F 65+	188	185	196	195	164	178	196	189
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

Appendix III-F: Collapsed Categories for the Subsample Raking Variables

```
                                                                    LACHS 2014 ADULT COMPLETES SUBSAMPLE

                                     Table 3b.1. TELEPHONE_SERVICE6C by SBSMP

                              N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_
        Obs    TELEPHONE_SERVICE6C    1          2          3          4          5          6          7          8

         1     1 cell only             231        218        242        200        229        239        229        216
         2     2 landline only         102        116        117        125        114        109        118        120
         3     3 dual user, cell mostly 216       198        185        219        224        206        209        211
         4     4 dual user, not cell mostly 453   467        456        452        431        449        441        466
                                      ========   ========   ========   ========   ========   ========   ========   ========
                                       1002       999        1000       996        998        1003       997        1013
```

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.2. GEO_HD_R_SS by SBSMP

Obs	GEO_HD_R_SS	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Alhambra	42	22	26	32	30	29	43	33
2	2 Antelope Valley	134	131	127	100	145	138	116	123
3	3 Bellflower	23	30	31	27	25	28	22	23
4	4 Central	20	25	26	25	27	29	26	14
5	5 Compton	20	16	16	24	24	25	28	21
6	6 East LA	11	15	6	11	13	18	15	16
7	7 East Valley	34	45	31	43	46	33	43	41
8	8 El Monte	25	26	48	32	24	28	28	31
9	9 Foothill	42	36	32	43	40	30	37	17
10	10 Glendale	29	34	45	28	27	22	26	37
11	11 Harbor	25	15	14	23	22	18	25	17
12	12 Hollywood-Wilshire	52	29	34	51	36	58	37	45
13	13 Inglewood	22	36	45	52	37	40	40	35
14	14 Long Beach	41	41	39	29	36	42	44	39
15	15 Northeast	27	23	24	30	26	17	21	27
16	16 Pasadena	25	18	14	25	19	16	24	22
17	17 Pomona	34	49	33	41	35	35	33	42
18	18 San Antonio	28	15	27	15	29	25	25	24
19	19 San Fernando	37	52	53	58	56	38	42	62
20	22 Southwest	52	42	53	28	43	51	40	35
21	23 Torrance	44	50	37	39	38	45	38	56
22	24 West	112	113	90	103	90	100	99	120
23	25 West Valley	73	76	90	96	83	86	85	77
24	26 Whittier	21	28	20	16	32	21	32	33
25	2021 South/Southeast	29	32	39	25	15	31	28	23
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS2014_6E12.LS3B   3

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.3. GEO_SPA_I_RACE_R3_SS by SBSMP

Obs	GEO_SPA_I_RACE_R3_SS	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	100001 Antelope Valley, Latino	50	40	38	33	45	38	32	41
2	100002 Antelope Valley, White	56	65	69	50	70	74	59	61
3	103456 Antelope Valley, African American/Asian/NHOPI/American Indian	28	26	20	17	30	26	25	21
4	200001 San Fernando, Latino	58	58	66	65	69	51	55	52
5	200002 San Fernando, White	100	123	122	137	120	104	117	134
6	203456 San Fernando, African American/Asian/NHOPI/American Indian	15	26	31	23	23	24	24	31
7	300001 San Gabriel, Latino	53	51	53	58	49	50	60	58
8	300002 San Gabriel, White	58	64	63	65	58	50	54	37
9	303456 San Gabriel, African American/Asian/NHOPI/American Indian	57	36	37	50	41	38	51	50
10	400001 Metro, Latino	46	32	35	43	38	47	31	35
11	400002 Metro, White	22	24	29	41	33	30	26	35
12	403456 Metro, African American/Asian/NHOPI/American Indian	31	21	20	22	18	27	27	16
13	500002 West, White	78	85	73	70	58	73	78	87
14	513456 West, Latino/African American/Asian/NHOPI/American Indian	34	28	17	33	32	27	21	33
15	600003 South, African American	52	37	52	32	38	53	41	40
16	612456 South, Latino/White/Asian/NHOPI/American Indian	49	53	56	45	44	54	55	39
17	700001 East, Latino	51	57	47	38	50	47	55	54
18	723456 East, White/African American/Asian/NHOPI/American Indian	32	31	37	31	49	45	39	42
19	800001 South Bay, Latino	33	30	27	37	32	34	39	39
20	800002 South Bay, White	64	59	58	60	56	67	70	79
21	803456 South Bay, African American/Asian/NHOPI/American Indian	35	53	50	46	45	44	38	29
		1002	999	1000	996	998	1003	997	1013

2015

```
                                  LACHS2014_6E12.LS3B                                                                    4

                                  LACHS 2014 ADULT COMPLETES SUBSAMPLE

                              Table 3b.4. GEO_SPA_GENDER_AGEGROUP_R2_SS by SBSMP

                        N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_
    Obs    GEO_SPA_GENDER_AGEGROUP_R2_SS    1          2          3          4          5          6          7          8

     1    110567 Antelope Valley M 50-65+     33         25         27         23         34         29         19         27
     2    111234 Antelope Valley M 18-49      14         18         22         17         14         21         19         26
     3    120567 Antelope Valley F 50-65+     43         56         49         37         48         52         42         44
     4    121234 Antelope Valley F 18-49      44         32         29         23         49         36         36         26
     5    210567 San Fernando M 50-65+        45         48         56         58         45         34         48         57
     6    211234 San Fernando M 18-49         31         39         32         38         37         31         31         37
     7    220567 San Fernando F 50-65+        58         76         72         86         67         62         70         77
     8    221234 San Fernando F 18-49         39         44         59         43         63         52         47         46
     9    310567 San Gabriel M 50-65+         41         36         35         33         40         36         29         36
    10    311234 San Gabriel M 18-49          28         26         24         29         28         29         38         17
    11    320567 San Gabriel F 50-65+         60         60         59         74         52         46         63         55
    12    321234 San Gabriel F 18-49          39         29         35         37         28         27         35         37
    13    410567 Metro M 50-65+               21         23         20         22         21         21         20         23
    14    411234 Metro M 18-49                28         11         20         29         21         24         19         17
    15    420567 Metro F 50-65+               32         21         25         35         20         31         21         25
    16    421234 Metro F 18-49                18         22         19         20         27         28         24         21
    17    510567 West M 50-65+                26         33         26         29         23         35         18         29
    18    511234 West M 18-49                 16         15         15         16         12         12         14         12
    19    520567 West F 50-65+                51         50         38         43         35         34         50         59
    20    521234 West F 18-49                 19         15         11         15         20         19         17         20
    21    610567 South M 50-65+               16         15         19         14         13         18         20         16
    22    611234 South M 18-49                24         19         19         11         21         26         23         14
    23    620567 South F 50-65+               36         29         41         22         30         29         21         25
    24    621234 South F 18-49                25         27         29         30         18         34         32         24
    25    710567 East M 50-65+                17         16         15         10         25         22         21         26
    26    711234 East M 18-49                 15         19         12         19         16         15         19         16
    27    720567 East F 50-65+                28         31         25         20         32         34         35         30
    28    721234 East F 18-49                 23         22         32         20         26         21         19         24
    29    810567 South Bay M 50-65+           34         30         34         34         39         32         35         42
    30    811234 South Bay M 18-49            19         25         19         21         21         23         19         25
    31    820567 South Bay F 50-65+           59         53         52         59         50         52         62         57
    32    821234 South Bay F 18-49            20         34         30         29         23         38         31         23
                                           ========   ========   ========   ========   ========   ========   ========   ========
                                             1002        999       1000        996        998       1003        997       1013

                                                   2015
```

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.5. HOUDEPT_R by SBSMP

Obs	HOUDEPT_R	N_SBSMP_1	N_SBSMP_2	N_SBSMP_3	N_SBSMP_4	N_SBSMP_5	N_SBSMP_6	N_SBSMP_7	N_SBSMP_8
1	1: 0 Children in HH	697	714	705	689	699	673	705	716
2	2: 1 Child in HH	134	114	125	133	126	144	123	130
3	3: 2 Children in HH	102	120	113	113	103	106	100	111
4	4: 3+ Children in HH	69	51	57	61	70	80	69	56
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.6. HOUADULT_R by SBSMP

Obs	HOUADULT_R	N_SBSMP_1	N_SBSMP_2	N_SBSMP_3	N_SBSMP_4	N_SBSMP_5	N_SBSMP_6	N_SBSMP_7	N_SBSMP_8
1	1: 1 Adult in HH	281	275	256	259	259	250	265	268
2	2: 2 Adults in HH	417	386	407	419	414	441	414	398
3	3: 3 Adults in HH	184	185	168	177	157	159	179	197
4	4: 4+ Adults in HH	120	153	169	141	168	153	139	150
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.7. I_Q64C by SBSMP

Obs	I_Q64C	N_SBSMP_1	N_SBSMP_2	N_SBSMP_3	N_SBSMP_4	N_SBSMP_5	N_SBSMP_6	N_SBSMP_7	N_SBSMP_8
1	1 Yes, U.S. Citizen	884	872	870	887	890	879	869	902
2	2 No, NOT a U.S. Citizen	118	127	130	109	108	124	128	111
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS2014_6E12.LS3B   8

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.8. I_Q64_R by SBSMP

Obs	I_Q64_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Born in U.S.	688	680	710	698	696	697	687	709
2	2 Born Outside the U.S.	314	319	290	298	302	306	310	304
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.9. I_Q79_R by SBSMP

Obs	I_Q79_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Own	540	541	538	550	556	524	541	572
2	2 Rent	462	458	462	446	442	479	456	441
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.10. I_Q75_R by SBSMP

Obs	I_Q75_R	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Married	432	440	443	451	480	466	466	468
2	2 Never married, living together, domestic partners	298	298	301	296	299	298	283	301
3	3 Widowed,	108	112	101	100	84	90	87	99
4	4 Divorced, Separated	164	149	155	149	135	149	161	145
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.11. I_EDU by SBSMP

Obs	I_EDU	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	1 Less than high school	143	150	155	136	130	164	143	133
2	2 High school	181	158	165	164	176	174	181	184
3	3 Some college or trade school	279	279	269	256	280	255	261	277
4	4 College or post graduate degree	399	412	411	440	412	410	412	419
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

2015

```
                                      LACHS2014_6E12.LS3B                                                    12

                                  LACHS 2014 ADULT COMPLETES SUBSAMPLE

                                    Table 3b.12. I_RACE_R4_SS by SBSMP

                           N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_   N_SBSMP_
     Obs     I_RACE_R4_SS      1          2          3          4          5          6          7          8

      1    1 Latino           359        329        322        329        336        324        329        325
      2    2 White            404        445        445        446        433        432        434        467
      3    3 African American 134        119        128        107        129        134        131        117
      4    456 Asian/NHOPI/American Indian 105    106        105        114        100        113        103        104
                           ========   ========   ========   ========   ========   ========   ========   ========
                             1002        999       1000        996        998       1003        997       1013
```

2015

LACHS2014_6E12.LS3B   13

LACHS 2014 ADULT COMPLETES SUBSAMPLE

Table 3b.13. GENDER_AGEGROUP by SBSMP

Obs	GENDER_ AGEGROUP	N_SBSMP_ 1	N_SBSMP_ 2	N_SBSMP_ 3	N_SBSMP_ 4	N_SBSMP_ 5	N_SBSMP_ 6	N_SBSMP_ 7	N_SBSMP_ 8
1	11 M 18-24	36	35	30	32	37	43	36	32
2	12 M 25-29	22	22	21	27	17	30	30	19
3	13 M 30-39	57	46	54	46	58	53	54	57
4	14 M 40-49	60	69	58	75	58	55	62	56
5	15 M 50-59	93	79	93	77	85	84	75	90
6	16 M 60-64	30	45	35	45	36	34	39	43
7	17 M 65+	110	102	104	101	119	109	96	123
8	21 F 18-24	42	50	52	38	36	41	40	34
9	22 F 25-29	21	16	29	24	31	32	31	28
10	23 F 30-39	82	59	74	82	87	78	70	72
11	24 F 40-49	82	100	89	73	100	104	100	87
12	25 F 50-59	122	124	110	122	117	112	104	118
13	26 F 60-64	57	67	55	59	53	50	64	65
14	27 F 65+	188	185	196	195	164	178	196	189
		========	========	========	========	========	========	========	========
		1002	999	1000	996	998	1003	997	1013

Appendix III-G: Raking Results for Subsample 1

RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD

Sample size of completed interviews: **1002**
Raking input weight adjusted to population total: **COMPOSITE_WT_ATPT**
Mean value of raking input weight adjusted to population total: **7712.37**
Minimum value of raking input weight: **128.20**
Maximum value of raking input weight: **38968.56**
Coefficient of variation of raking input weight: **0.84**
Global low weight cap value (GLCV): **771.24**
Global low weight cap value factor: Mean input weight times **.1**
Global high weight cap value (GHCV): **77123.68**
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): **2**
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**

2015

The FREQ Procedure

Weighted Distribution Prior To Raking. Iteration 0

TELEPHONE_SERVICE6C	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 cell only	3980589.61	2697450	1283139.19	51.510	34.906	16.604
2 landline only	581432.17	572615	8817.65	7.524	7.410	0.114
3 dual user, cell mostly	1047788.38	1748384	-700595.46	13.559	22.625	-9.066
4 dual user, not cell mostly	2117982.11	2709343	-591361.39	27.407	35.060	-7.652

2015

Weighted Distribution Prior To Raking. Iteration 0

The FREQ Procedure

GEO_HD_R_SS	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Alhambra	297577.24	279757	17820.24	3.851	3.620	0.231
2 Antelope Valley	367667.76	284419	83248.76	4.758	3.680	1.077
3 Bellflower	194010.09	272927	-78916.91	2.511	3.532	-1.021
4 Central	206486.73	277960	-71473.27	2.672	3.597	-0.925
5 Compton	240014.03	197000	43014.03	3.106	2.549	0.557
6 East LA	94473.85	147593	-53119.15	1.223	1.910	-0.687
7 East Valley	346041.89	349596	-3554.11	4.478	4.524	-0.046
8 El Monte	284283.05	327994	-43710.95	3.679	4.244	-0.566
9 Foothill	306235.56	240591	65644.56	3.963	3.113	0.849
10 Glendale	234246.88	280488	-46241.12	3.031	3.630	-0.598
11 Harbor	218797.35	156251	62546.35	2.831	2.022	0.809
12 Hollywood-Wilshire	462377.95	411124	51253.95	5.983	5.320	0.663
13 Inglewood	226297.84	309581	-83283.16	2.928	4.006	-1.078
14 Long Beach	342828.80	359934	-17105.20	4.436	4.658	-0.221
15 Northeast	279499.55	231884	47615.55	3.617	3.001	0.616
16 Pasadena	220748.40	114220	106528.40	2.857	1.478	1.379
17 Pomona	283153.35	422505	-139351.65	3.664	5.467	-1.803
18 San Antonio	330492.98	302934	27558.98	4.277	3.920	0.357
19 San Fernando	303796.35	389333	-85536.65	3.931	5.038	-1.107
22 Southwest	521883.20	287954	233929.20	6.753	3.726	3.027
23 Torrance	320555.19	362087	-41531.81	4.148	4.686	-0.537
24 West	507819.72	546091	-38271.28	6.571	7.067	-0.495
25 West Valley	649570.45	683700	-34129.55	8.406	8.847	-0.442
26 Whittier	191726.51	245915	-54188.49	2.481	3.182	-0.701
2021 South/Southeast	297207.56	245962	51245.56	3.846	3.183	0.663

2015

The FREQ Procedure

GEO_SPA_I_RACE_R3_SS	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
100001 Antelope Valley, Latino	178615.31	115226	63389.31	2.311	1.491	0.820
100002 Antelope Valley, White	100889.29	111827	-10937.71	1.306	1.447	-0.142
103456 Antelope Valley, African American/Asian/NHOPI/American Indian	88163.16	57366	30797.16	1.141	0.742	0.399
200001 San Fernando, Latino	693732.38	617243	76489.38	8.977	7.987	0.990

GEO_SPA_I_RACE_R3_SS	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
200002 San Fernando, White	699374.07	814512	-115137.93	9.050	10.540	-1.490
203456 San Fernando, African American/Asian/NHOPI/American Indian	140549.14	271362	-130812.86	1.819	3.512	-1.693
300001 San Gabriel, Latino	612668.10	583428	29240.10	7.928	7.550	0.378
300002 San Gabriel, White	349142.61	325098	24044.61	4.518	4.207	0.311
303456 San Gabriel, African American/Asian/NHOPI/American Indian	430186.89	476541	-46354.11	5.567	6.167	-0.600
400001 Metro, Latino	504056.27	435265	68791.27	6.523	5.632	0.890
400002 Metro, White	145271.07	252372	-107100.93	1.880	3.266	-1.386
403456 Metro, African American/Asian/NHOPI/American Indian	299036.89	233331	65705.89	3.870	3.019	0.850
500002 West, White	325221.99	353358	-28136.01	4.208	4.573	-0.364
513456 West, Latino/African American/Asian/NHOPI/American Indian	182597.72	192733	-10135.28	2.363	2.494	-0.131
600003 South, African American	447249.24	222335	224914.24	5.788	2.877	2.910
612456 South, Latino/White/Asian/NHOPI/American Indian	611855.54	508581	103274.54	7.918	6.581	1.336
700001 East, Latino	578031.59	678450	-100418.41	7.480	8.779	-1.299
723456 East, White/African American/Asian/NHOPI/American Indian	232671.83	290919	-58247.17	3.011	3.765	-0.754
800001 South Bay, Latino	357688.99	430532	-72843.01	4.629	5.571	-0.943
800002 South Bay, White	466075.88	373784	92291.88	6.031	4.837	1.194
803456 South Bay, African American/Asian/NHOPI/American Indian	284714.31	383537	-98822.69	3.684	4.963	-1.279

2015

The FREQ Procedure

GEO_SPA_GENDER_AGEGROUP_R2_SS	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
110567 Antelope Valley M 50-65+	87388.04	51675	35713.04	1.131	0.669	0.462
111234 Antelope Valley M 18-49	58257.51	88075	-29817.49	0.754	1.140	-0.386
120567 Antelope Valley F 50-65+	97931.01	57191	40740.01	1.267	0.740	0.527
121234 Antelope Valley F 18-49	124091.20	87478	36613.20	1.606	1.132	0.474
210567 San Fernando M 50-65+	326865.87	324919	1946.87	4.230	4.205	0.025
211234 San Fernando M 18-49	381400.73	509972	-128571.27	4.935	6.599	-1.664
220567 San Fernando F 50-65+	361917.56	372988	-11070.44	4.683	4.827	-0.143
221234 San Fernando F 18-49	463471.43	495238	-31766.57	5.997	6.409	-0.411

GEO_SPA_GENDER_AGEGROUP_R2_SS	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
310567 San Gabriel M 50-65+	284467.74	270062	14405.74	3.681	3.495	0.186
311234 San Gabriel M 18-49	296790.38	396895	-100104.62	3.841	5.136	-1.295
320567 San Gabriel F 50-65+	387031.21	321308	65723.21	5.008	4.158	0.850
321234 San Gabriel F 18-49	423708.27	396802	26906.27	5.483	5.135	0.348
410567 Metro M 50-65+	189630.29	155097	34533.29	2.454	2.007	0.447
411234 Metro M 18-49	331233.30	317429	13804.30	4.286	4.108	0.179
420567 Metro F 50-65+	222628.51	169035	53593.51	2.881	2.187	0.694
421234 Metro F 18-49	204872.13	279407	-74534.87	2.651	3.616	-0.965
510567 West M 50-65+	105609.37	101143	4466.37	1.367	1.309	0.058
511234 West M 18-49	146597.95	160728	-14130.05	1.897	2.080	-0.183
520567 West F 50-65+	144460.03	117854	26606.03	1.869	1.525	0.344
521234 West F 18-49	111152.36	166366	-55213.64	1.438	2.153	-0.714
610567 South M 50-65+	164630.40	104313	60317.40	2.130	1.350	0.781
611234 South M 18-49	318887.91	245583	73304.91	4.127	3.178	0.949
620567 South F 50-65+	249210.82	130884	118326.82	3.225	1.694	1.531
621234 South F 18-49	326375.65	250136	76239.65	4.223	3.237	0.987
710567 East M 50-65+	140080.73	165145	-25064.27	1.813	2.137	-0.324
711234 East M 18-49	216744.80	304945	-88200.20	2.805	3.946	-1.141
720567 East F 50-65+	207204.77	196322	10882.77	2.681	2.540	0.141
721234 East F 18-49	246673.12	302957	-56283.88	3.192	3.920	-0.728
810567 South Bay M 50-65+	291706.76	224369	67337.76	3.775	2.903	0.871
811234 South Bay M 18-49	277830.57	348919	-71088.43	3.595	4.515	-0.920
820567 South Bay F 50-65+	326768.71	258483	68285.71	4.228	3.345	0.884
821234 South Bay F 18-49	212173.14	356082	-143908.86	2.746	4.608	-1.862

2015

The FREQ Procedure

HOUDEPT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 0 Children in HH	4875355.09	4429504	445850.68	63.089	57.319	5.770
2: 1 Child in HH	1243430.30	1405678	-162247.72	16.090	18.190	-2.100
3: 2 Children in HH	959150.43	1108894	-149743.20	12.412	14.349	-1.938
4: 3+ Children in HH	649856.45	783724	-133867.49	8.409	10.142	-1.732

2015

The FREQ Procedure

HOUADULT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	1540289.91	1024687	515603.17	19.932	13.260	6.672
2: 2 Adults in HH	3168869.61	3099578	69292.04	41.006	40.109	0.897
3: 3 Adults in HH	1779765.89	1647778	131987.97	23.031	21.323	1.708
4: 4+ Adults in HH	1238866.85	1955758	-716890.90	16.031	25.308	-9.277

2015

The FREQ Procedure

Post-Imputation value of Q64C	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Yes, U.S. Citizen	6344765.59	5939170	405595.91	82.103	76.855	5.249
2 No, NOT a U.S. Citizen	1383026.68	1788630	-405603.64	17.897	23.145	-5.249

2015

The FREQ Procedure

I_Q64_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Born in U.S.	4828803.34	4250986	577817.26	62.486	55.009	7.477
2 Born Outside the U.S.	2898988.94	3476814	-577824.99	37.514	44.991	-7.477

2015

The FREQ Procedure

I_Q79_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Own	3260867.34	3962552	-701684.93	42.197	51.277	-9.080
2 Rent	4466924.93	3765248	701677.20	57.803	48.723	9.080

2015

The FREQ Procedure

I_Q75_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Married	3238992.41	3563377	-324384.56	41.914	46.111	-4.198
2 Never married, living together, domestic partners	2783104.13	2854369	-71264.93	36.014	36.936	-0.922
3 Widowed,	517594.76	398923	118671.67	6.698	5.162	1.536
4 Divorced, Separated	1188100.98	911131	276970.09	15.374	11.790	3.584

2015

The FREQ Procedure

Post-Imputation value of EDU	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Less than high school	1381546.92	1741733	-360186.20	17.878	22.539	-4.661
2 High school	1679280.32	1654433	24846.94	21.730	21.409	0.322
3 Some college or trade school	2053250.00	2231265	-178015.27	26.570	28.873	-2.304

Post-Imputation value of EDU	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
4 College or post graduate degree	2613715.03	2100368	513346.80	33.822	27.179	6.643

2015

The FREQ Procedure

I_RACE_R4_SS	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Latino	3620521.53	3409012	211509.53	46.851	44.114	2.737
2 White	2254566.98	2411052	-156485.02	29.175	31.200	-2.025
3 African American	971420.78	674744	296676.78	12.570	8.731	3.839
456 Asian/NHOPI/American Indian	881282.98	1232992	-351709.02	11.404	15.955	-4.551

2015

The FREQ Procedure

GENDER_AGEGROUP	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
11 M 18-24	460608.04	554484	-93875.96	5.960	7.175	-1.215
12 M 25-29	330728.94	388491	-57762.06	4.280	5.027	-0.747
13 M 30-39	685626.52	727932	-42305.48	8.872	9.420	-0.547
14 M 40-49	550779.66	701639	-150859.34	7.127	9.079	-1.952
15 M 50-59	708132.58	637402	70730.58	9.163	8.248	0.915
16 M 60-64	277758.02	241042	36716.02	3.594	3.119	0.475
17 M 65+	604488.60	518279	86209.60	7.822	6.707	1.116
21 F 18-24	456790.56	535918	-79127.44	5.911	6.935	-1.024
22 F 25-29	212554.36	371959	-159404.64	2.751	4.813	-2.063
23 F 30-39	801408.17	717664	83744.17	10.370	9.287	1.084
24 F 40-49	641764.21	708925	-67160.79	8.305	9.174	-0.869
25 F 50-59	792084.83	670942	121142.83	10.250	8.682	1.568

GENDER_AGEGROUP	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
26 F 60-64	305910.91	269192	36718.91	3.959	3.483	0.475
27 F 65+	899156.87	683931	215225.87	11.635	8.850	2.785

2015

The FREQ Procedure

**** Program terminated at iteration 12 because all current percents differ from target percents by less than 0.1 ****

2015

The FREQ Procedure

Weighted Distribution After Raking

TELEPHONE_SERVICE6C	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 cell only	2695858.23	2697450	-1592.18	34.885	34.906	-0.021
2 landline only	573498.24	572615	883.71	7.421	7.410	0.011
3 dual user, cell mostly	1748108.00	1748384	-275.84	22.621	22.625	-0.004
4 dual user, not cell mostly	2710335.53	2709343	992.04	35.073	35.060	0.013

2015

Weighted Distribution After Raking

The FREQ Procedure

GEO_HD_R_SS	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Alhambra	279564.75	279757	-192.25	3.618	3.620	-0.002
2 Antelope Valley	284188.65	284419	-230.35	3.677	3.680	-0.003
3 Bellflower	272552.92	272927	-374.08	3.527	3.532	-0.005
4 Central	277315.93	277960	-644.07	3.589	3.597	-0.008
5 Compton	197179.46	197000	179.46	2.552	2.549	0.002
6 East LA	147025.48	147593	-567.52	1.903	1.910	-0.007
7 East Valley	349116.51	349596	-479.49	4.518	4.524	-0.006
8 El Monte	328258.42	327994	264.42	4.248	4.244	0.003
9 Foothill	241105.75	240591	514.75	3.120	3.113	0.007
10 Glendale	280202.26	280488	-285.74	3.626	3.630	-0.004
11 Harbor	156281.36	156251	30.36	2.022	2.022	0.000
12 Hollywood-Wilshire	410554.00	411124	-570.00	5.313	5.320	-0.007
13 Inglewood	310370.25	309581	789.25	4.016	4.006	0.010
14 Long Beach	359476.74	359934	-457.26	4.652	4.658	-0.006
15 Northeast	231905.22	231884	21.22	3.001	3.001	0.000
16 Pasadena	114545.56	114220	325.56	1.482	1.478	0.004
17 Pomona	423445.00	422505	940.00	5.480	5.467	0.012
18 San Antonio	302903.00	302934	-31.00	3.920	3.920	-0.000
19 San Fernando	389766.71	389333	433.71	5.044	5.038	0.006
22 Southwest	289397.20	287954	1443.20	3.745	3.726	0.019
23 Torrance	362791.29	362087	704.29	4.695	4.686	0.009
24 West	545336.70	546091	-754.30	7.057	7.067	-0.010
25 West Valley	682751.20	683700	-948.80	8.835	8.847	-0.012
26 Whittier	245458.55	245915	-456.45	3.176	3.182	-0.006
2021 South/Southeast	246307.10	245962	345.10	3.187	3.183	0.004

2015

The FREQ Procedure

GEO_SPA_I_RACE_R3_SS	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
100001 Antelope Valley, Latino	114955.51	115226	-270.49	1.488	1.491	-0.004
100002 Antelope Valley, White	111344.33	111827	-482.67	1.441	1.447	-0.006

GEO_SPA_I_RACE_R3_SS	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
103456 Antelope Valley, African American/Asian/NHOPI/American Indian	57888.80	57366	522.80	0.749	0.742	0.007
200001 San Fernando, Latino	616694.93	617243	-548.07	7.980	7.987	-0.007
200002 San Fernando, White	811464.50	814512	-3047.50	10.501	10.540	-0.039
203456 San Fernando, African American/Asian/NHOPI/American Indian	273677.25	271362	2315.25	3.541	3.512	0.030
300001 San Gabriel, Latino	582532.35	583428	-895.65	7.538	7.550	-0.012
300002 San Gabriel, White	323878.28	325098	-1219.72	4.191	4.207	-0.016
303456 San Gabriel, African American/Asian/NHOPI/American Indian	480508.86	476541	3967.86	6.218	6.167	0.051
400001 Metro, Latino	433565.38	435265	-1699.62	5.610	5.632	-0.022
400002 Metro, White	251091.60	252372	-1280.40	3.249	3.266	-0.017
403456 Metro, African American/Asian/NHOPI/American Indian	235118.16	233331	1787.16	3.042	3.019	0.023
500002 West, White	351967.77	353358	-1390.23	4.555	4.573	-0.018
513456 West, Latino/African American/Asian/NHOPI/American Indian	193368.93	192733	635.93	2.502	2.494	0.008
600003 South, African American	224806.68	222335	2471.68	2.909	2.877	0.032
612456 South, Latino/White/Asian/NHOPI/American Indian	508077.09	508581	-503.91	6.575	6.581	-0.007
700001 East, Latino	676956.86	678450	-1493.14	8.760	8.779	-0.019
723456 East, White/African American/Asian/NHOPI/American Indian	290983.08	290919	64.08	3.765	3.765	0.001
800001 South Bay, Latino	430039.00	430532	-493.00	5.565	5.571	-0.006
800002 South Bay, White	372281.72	373784	-1502.28	4.817	4.837	-0.019
803456 South Bay, African American/Asian/NHOPI/American Indian	386598.92	383537	3061.92	5.003	4.963	0.040

2015

The FREQ Procedure

GEO_SPA_GENDER_AGEGROUP_R2_SS	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
110567 Antelope Valley M 50-65+	51677.08	51675	2.08	0.669	0.669	0.000
111234 Antelope Valley M 18-49	87937.07	88075	-137.93	1.138	1.140	-0.002
120567 Antelope Valley F 50-65+	57113.33	57191	-77.67	0.739	0.740	-0.001
121234 Antelope Valley F 18-49	87461.17	87478	-16.83	1.132	1.132	-0.000
210567 San Fernando M 50-65+	325665.52	324919	746.52	4.214	4.205	0.010

GEO_SPA_GENDER_AGEGROUP_R2_SS	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
211234 San Fernando M 18-49	508671.51	509972	-1300.49	6.582	6.599	-0.017
220567 San Fernando F 50-65+	372543.98	372988	-444.02	4.821	4.827	-0.006
221234 San Fernando F 18-49	494955.67	495238	-282.33	6.405	6.409	-0.004
310567 San Gabriel M 50-65+	269812.35	270062	-249.65	3.491	3.495	-0.003
311234 San Gabriel M 18-49	398872.89	396895	1977.89	5.162	5.136	0.026
320567 San Gabriel F 50-65+	321600.47	321308	292.47	4.162	4.158	0.004
321234 San Gabriel F 18-49	396633.78	396802	-168.22	5.133	5.135	-0.002
410567 Metro M 50-65+	154660.40	155097	-436.60	2.001	2.007	-0.006
411234 Metro M 18-49	316733.20	317429	-695.80	4.099	4.108	-0.009
420567 Metro F 50-65+	168913.74	169035	-121.26	2.186	2.187	-0.002
421234 Metro F 18-49	279467.81	279407	60.81	3.616	3.616	0.001
510567 West M 50-65+	100872.80	101143	-270.20	1.305	1.309	-0.003
511234 West M 18-49	160639.73	160728	-88.27	2.079	2.080	-0.001
520567 West F 50-65+	117467.18	117854	-386.82	1.520	1.525	-0.005
521234 West F 18-49	166356.99	166366	-9.01	2.153	2.153	-0.000
610567 South M 50-65+	104849.11	104313	536.11	1.357	1.350	0.007
611234 South M 18-49	245799.99	245583	216.99	3.181	3.178	0.003
620567 South F 50-65+	131285.88	130884	401.88	1.699	1.694	0.005
621234 South F 18-49	250948.79	250136	812.79	3.247	3.237	0.011
710567 East M 50-65+	164754.82	165145	-390.18	2.132	2.137	-0.005
711234 East M 18-49	304591.20	304945	-353.80	3.941	3.946	-0.005
720567 East F 50-65+	196163.94	196322	-158.06	2.538	2.540	-0.002
721234 East F 18-49	302429.98	302957	-527.02	3.914	3.920	-0.007
810567 South Bay M 50-65+	224430.93	224369	61.93	2.904	2.903	0.001
811234 South Bay M 18-49	349300.41	348919	381.41	4.520	4.515	0.005
820567 South Bay F 50-65+	258976.47	258483	493.47	3.351	3.345	0.006
821234 South Bay F 18-49	356211.82	356082	129.82	4.609	4.608	0.002

2015

The FREQ Procedure

HOUDEPT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 0 Children in HH	4427602.89	4429504	-1901.51	57.294	57.319	-0.025
2: 1 Child in HH	1406018.14	1405678	340.11	18.194	18.190	0.004
3: 2 Children in HH	1109422.28	1108894	528.65	14.356	14.349	0.007

HOUDEPT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
4: 3+ Children in HH	784756.69	783724	1032.75	10.155	10.142	0.013

2015

The FREQ Procedure

HOUADULT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	1024035.83	1024687	-650.92	13.251	13.260	-0.008
2: 2 Adults in HH	3099718.66	3099578	141.08	40.111	40.109	0.002
3: 3 Adults in HH	1647777.40	1647778	-0.53	21.323	21.323	-0.000
4: 4+ Adults in HH	1956268.11	1955758	510.36	25.315	25.308	0.007

2015

The FREQ Procedure

Post-Imputation value of Q64C	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Yes, U.S. Citizen	5936912.90	5939170	-2256.78	76.825	76.855	-0.029
2 No, NOT a U.S. Citizen	1790887.10	1788630	2256.78	23.175	23.145	0.029

2015

The FREQ Procedure

I_Q64_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Born in U.S.	4246070.00	4250986	-4916.08	54.945	55.009	-0.064
2 Born Outside the U.S.	3481730.00	3476814	4916.08	45.055	44.991	0.064

2015

The FREQ Procedure

I_Q79_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Own	3959248.47	3962552	-3303.80	51.234	51.277	-0.043
2 Rent	3768551.53	3765248	3303.80	48.766	48.723	0.043

2015

The FREQ Procedure

I_Q75_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Married	3558626.31	3563377	-4750.65	46.050	46.111	-0.061
2 Never married, living together, domestic partners	2859763.59	2854369	5394.53	37.006	36.936	0.070
3 Widowed,	398510.34	398923	-412.75	5.157	5.162	-0.005
4 Divorced, Separated	910899.76	911131	-231.13	11.787	11.790	-0.003

2015

The FREQ Procedure

Post-Imputation value of EDU	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Less than high school	1737682.52	1741733	-4050.60	22.486	22.539	-0.052
2 High school	1656159.77	1654433	1726.39	21.431	21.409	0.022
3 Some college or trade school	2231995.70	2231265	730.43	28.883	28.873	0.009
4 College or post graduate degree	2101962.00	2100368	1593.78	27.200	27.179	0.021

2015

The FREQ Procedure

I_RACE_R4_SS	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Latino	3410675.45	3409012	1663.45	44.135	44.114	0.022
2 White	2409747.71	2411052	-1304.29	31.183	31.200	-0.017
3 African American	674132.45	674744	-611.55	8.723	8.731	-0.008
456 Asian/NHOPI/American Indian	1233244.39	1232992	252.39	15.959	15.955	0.003

2015

The FREQ Procedure

GENDER_AGEGROUP	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
11 M 18-24	554484.00	554484	-0.00	7.175	7.175	-0.000
12 M 25-29	388491.00	388491	0.00	5.027	5.027	0.000
13 M 30-39	727932.00	727932	-0.00	9.420	9.420	-0.000
14 M 40-49	701639.00	701639	0.00	9.079	9.079	0.000
15 M 50-59	637402.00	637402	0.00	8.248	8.248	0.000
16 M 60-64	241042.00	241042	0.00	3.119	3.119	0.000
17 M 65+	518279.00	518279	-0.00	6.707	6.707	-0.000
21 F 18-24	535918.00	535918	0.00	6.935	6.935	0.000
22 F 25-29	371959.00	371959	0.00	4.813	4.813	0.000

GENDER_AGEGROUP	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
23 F 30-39	717664.00	717664	-0.00	9.287	9.287	-0.000
24 F 40-49	708925.00	708925	0.00	9.174	9.174	0.000
25 F 50-59	670942.00	670942	-0.00	8.682	8.682	-0.000
26 F 60-64	269192.00	269192	0.00	3.483	3.483	0.000
27 F 65+	683931.00	683931	-0.00	8.850	8.850	-0.000

2015

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	433792.67	5.6134	1.03838
2	231252.70	2.9924	1.12139
3	130998.58	1.6952	1.16248
4	112710.75	1.4585	1.18323
5	83853.79	1.0851	1.19351
6	57775.47	0.7476	1.19827
7	37657.17	0.4873	1.20094
8	25914.41	0.3353	1.20249
9	17679.18	0.2288	1.20351
10	11932.19	0.1544	1.20421
11	8029.48	0.1039	1.20465
12	5394.53	0.0698	1.20499

2015

Number of Respondents Who Had Their Weights Decreased by the Trimming: **26.**
Number of Respondents Who Had Their Weights Increased by the Trimming: **190.**

Raking output weight: **ADULT_POP_WT_SBSMP_1**

2015

Weight	Mean	Min	Max	CV
COMPOSITE_WT_ATPT	7712.37	128.20	38968.56	0.840
ADULT_POP_WT_SBSMP_1	7712.38	641.00	72264.31	1.205

2015

Appendix III-H: Missing Data Recodes for CN77A and C78C

If surveyframe = 2 and cn77a = (8 or 9), cn77a_r = 2. Else, cn77a_r = cn77a.
If c78c = (7, 8, 9 or ".") and surveyframe = 1 and I_c78b_cleaned > 0, c78c_r = 2.
If c78c = (7, 8, 9 or ".") and surveyframe = 2 and I_c78b_cleaned > 0 and cn77a_r = 1, c78c_r = 1.
Else, c78c_r = c78c.

Appendix III-I: Creation of Telephone Service Variables

If surveyframe = 2 and l_c78b_cleaned > 0 and cn77a_r = 2, telephone_service = 1 (cell only).
If surveyframe = 1 and l_c78b_cleaned = 0, telephone_service = 2 (landline only).
If surveyframe = 2 and l_c78b_cleaned > 0 and cn77a_r = 1, telephone_service = 3(dual service).
If surveyframe = 1 and l_c78b_cleaned > 0, telephone_service = 3 (dual service).

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 = 1, telephone_service6 =1.
If telephone_service = 2, telephone_service6 =2.
If surveyframe = 1 and telephone_service = 3 and c78c_r = 1, telephone_service6 = 3.
If surveyframe = 1 and telephone_service = 3 and c78c_r = (2 or 3), telephone_service6 = 4.
If surveyframe = 2 and telephone_service = 3 and c78c_r = 1, telephone_service6 = 5.
If surveyframe = 2 and telephone_service = 3 and c78c_r = (2 or 3), telephone_service6 = 6.

Appendix III-J: Category Collapsing for Cells with Less than 20 Interviews

```
                                           SPA_2012_I_CRACE_R2     Frequency
-----------------------------------------------------------------------------
100001 Antelope Valley, Latino                                          768
100002 Antelope Valley, White                                          303
100003 Antelope Valley, African American                               278
100456 Antelope Valley, Asian/NHOPI/American Indian                     46
200001 San Fernando, Latino                                            405
200002 San Fernando, White                                             351
200004 San Fernando, Asian                                              99
200356 San Fernando, African American/NHOPI/American Indian             52
300001 San Gabriel, Latino                                             371
300002 San Gabriel, White                                              100
300004 San Gabriel, Asian                                              156
300356 San Gabriel, African American/NHOPI/American Indian              36
400001 Metro, Latino                                                   409
400002 Metro, White                                                    120
400004 Metro, Asian                                                     71
400003 Metro, African American/NHOPI/American Indian                    27
500001 West, Latino                                                    134
500002 West, White                                                     373
500004 West, Asian                                                      61
500356 West, African American/NHOPI/American Indian                     51
600001 South, Latino                                                   375
623456 South, White/African American/Asian/NHOPI/American Indian       170
700001 East, Latino                                                    425
700002 East, White                                                      50
700004 East, Asian                                                      45
700356 East, African American/NHOPI/American Indian                     27
800001 South Bay, Latino                                               274
800002 South Bay, White                                                170
800003 South Bay, African American                                     146
800456 South Bay, Asian/NHOPI/American Indian                           89
```

Appendix III-K: Child Sample Raking to Population Control Totals

RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD

Sample size of completed interviews: **5982**
Raking input weight adjusted to population total: **CHILD_COMPOSITE_WT_ATPT**
Mean value of raking input weight adjusted to population total: **391.38**
Minimum value of raking input weight: **0.63**
Maximum value of raking input weight: **10199.32**
Coefficient of variation of raking input weight: **2.10**
Global low weight cap value (GLCV): **35.62**
Global low weight cap value factor: Mean input weight times **.091**
Global high weight cap value (GHCV): **4305.18**
Global high weight cap value factor: Mean input weight times **11**
Individual low weight cap value (ILCV) factor: Respondent's weight times **.167**
Individual high weight cap value (IHCV) factor: Respondent's weight times **6**
Number of respondents who have an individual high weight cap value less than the global low weight cap value
(GLCV used in weight trimming): **259**
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**

20:27 28SEP2015

The FREQ Procedure

Weighted Distribution Prior To Raking. Iteration 0

TELEPHONE_SERVICE6C	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 cell only	1606131.59	988512	617619.59	68.602	42.222	26.380
2 landline only	81748.22	142739	-60990.52	3.492	6.097	-2.605
3 dual user, cell mostly	281095.74	535819	-254723.51	12.006	22.886	-10.880
4 dual user, not cell mostly	372260.46	674166	-301905.57	15.900	28.795	-12.895

20:27 28SEP2015

Weighted Distribution Prior To Raking. Iteration 0

The FREQ Procedure

SPA_2012_I_CRACE_R2	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
100001 Antelope Valley, Latino	68335.43	59980	8355.43	2.919	2.562	0.357
100002 Antelope Valley, White	22627.70	24815	-2187.30	0.966	1.060	-0.093
100003 Antelope Valley, African American	44582.87	20147	24435.87	1.904	0.861	1.044
100456 Antelope Valley, Asian/NHOPI/American Indian	5326.20	3369	1957.20	0.227	0.144	0.084
200001 San Fernando, Latino	280165.60	255677	24488.60	11.967	10.921	1.046
200002 San Fernando, White	109181.50	166714	-57532.50	4.663	7.121	-2.457
200004 San Fernando, Asian	38454.33	47778	-9323.67	1.642	2.041	-0.398
200356 San Fernando, African American/NHOPI/American Indian	23028.00	17105	5923.00	0.984	0.731	0.253
300001 San Gabriel, Latino	253931.31	238790	15141.31	10.846	10.199	0.647
300002 San Gabriel, White	36302.62	54974	-18671.38	1.551	2.348	-0.798
300004 San Gabriel, Asian	62026.30	90601	-28574.70	2.649	3.870	-1.220
300356 San Gabriel, African American/NHOPI/American Indian	13657.62	13609	48.62	0.583	0.581	0.002
400001 Metro, Latino	186367.63	159133	27234.63	7.960	6.797	1.163
400002 Metro, White	20016.52	32761	-12744.48	0.855	1.399	-0.544
400004 Metro, Asian	12941.31	28108	-15166.69	0.553	1.201	-0.648
400003 Metro, African American/NHOPI/American Indian	19144.50	8721	10423.50	0.818	0.372	0.445
500001 West, Latino	21270.82	24038	-2767.18	0.909	1.027	-0.118
500002 West, White	40702.37	64263	-23560.63	1.738	2.745	-1.006
500004 West, Asian	5528.31	11198	-5669.69	0.236	0.478	-0.242
500356 West, African American/NHOPI/American Indian	6069.13	6570	-500.87	0.259	0.281	-0.021
600001 South, Latino	277966.56	231635	46331.56	11.873	9.894	1.979
623456 South, White/African American/Asian/NHOPI/American Indian	134468.35	71121	63347.35	5.743	3.038	2.706
700001 East, Latino	246244.85	283611	-37366.15	10.518	12.114	-1.596
700002 East, White	16047.69	27304	-11256.31	0.685	1.166	-0.481
700004 East, Asian	13573.11	20672	-7098.89	0.580	0.883	-0.303
700356 East, African American/NHOPI/American Indian	8132.52	11059	-2926.48	0.347	0.472	-0.125
800001 South Bay, Latino	205574.86	192863	12711.86	8.781	8.238	0.543
800002 South Bay, White	55759.64	71034	-15274.36	2.382	3.034	-0.652
800003 South Bay, African American	85945.81	53882	32063.81	3.671	2.301	1.370
800456 South Bay, Asian/NHOPI/American Indian	27862.54	49704	-21841.46	1.190	2.123	-0.933

20:27 28SEP2015

The FREQ Procedure

SPA_2012_GENDER_CAGEGROUP	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
111 Antelope Valley, Male, Age 12 to 17	24799.96	20408	4391.96	1.059	0.872	0.188
112 Antelope Valley, Male, Age 6 to 11	35863.80	17683	18180.80	1.532	0.755	0.777
113 Antelope Valley, Male, Age 0 to 5	25388.15	17346	8042.15	1.084	0.741	0.344
121 Antelope Valley, Female, Age 12 to 17	20350.98	18880	1470.98	0.869	0.806	0.063
122 Antelope Valley, Female, Age 6 to 11	19134.30	17273	1861.30	0.817	0.738	0.080
123 Antelope Valley, Female, Age 0 to 5	15335.00	16721	-1386.00	0.655	0.714	-0.059
211 San Fernando, Male, Age 12 to 17	99405.84	86963	12442.84	4.246	3.714	0.531
212 San Fernando, Male, Age 6 to 11	76603.77	81902	-5298.23	3.272	3.498	-0.226
213 San Fernando, Male, Age 0 to 5	60846.97	81103	-20256.03	2.599	3.464	-0.865
221 San Fernando, Female, Age 12 to 17	96615.94	81951	14664.94	4.127	3.500	0.626
222 San Fernando, Female, Age 6 to 11	78244.02	78157	87.02	3.342	3.338	0.004
223 San Fernando, Female, Age 0 to 5	39112.90	77198	-38085.10	1.671	3.297	-1.627
311 San Gabriel, Male, Age 12 to 17	73755.87	73095	660.87	3.150	3.122	0.028
312 San Gabriel, Male, Age 6 to 11	74464.03	66111	8353.03	3.181	2.824	0.357
313 San Gabriel, Male, Age 0 to 5	55042.24	65085	-10042.76	2.351	2.780	-0.429
321 San Gabriel, Female, Age 12 to 17	56873.34	69419	-12545.66	2.429	2.965	-0.536
322 San Gabriel, Female, Age 6 to 11	58229.29	62805	-4575.71	2.487	2.683	-0.195
323 San Gabriel, Female, Age 0 to 5	47553.09	61459	-13905.91	2.031	2.625	-0.594
411 Metro, Male, Age 12 to 17	46112.21	36707	9405.21	1.970	1.568	0.402
412 Metro, Male, Age 6 to 11	50816.79	37951	12865.79	2.171	1.621	0.550
413 Metro, Male, Age 0 to 5	27324.12	42356	-15031.88	1.167	1.809	-0.642
421 Metro, Female, Age 12 to 17	45378.79	34881	10497.79	1.938	1.490	0.448
422 Metro, Female, Age 6 to 11	29758.29	35838	-6079.71	1.271	1.531	-0.260
423 Metro, Female, Age 0 to 5	39079.74	40990	-1910.26	1.669	1.751	-0.082
511 West, Male, Age 12 to 17	9329.51	16706	-7376.49	0.398	0.714	-0.315
512 West, Male, Age 6 to 11	15144.02	17462	-2317.98	0.647	0.746	-0.099
513 West, Male, Age 0 to 5	12215.92	20002	-7786.08	0.522	0.854	-0.333
521 West, Female, Age 12 to 17	11399.39	15785	-4385.61	0.487	0.674	-0.187
522 West, Female, Age 6 to 11	18695.50	16990	1705.50	0.799	0.726	0.073
523 West, Female, Age 0 to 5	6786.30	19124	-12337.70	0.290	0.817	-0.527
611 West, Male, Age 12 to 17	66098.14	50382	15716.14	2.823	2.152	0.671
612 West, Male, Age 6 to 11	90827.44	50777	40050.44	3.879	2.169	1.711
613 West, Male, Age 0 to 5	81932.28	52329	29603.28	3.500	2.235	1.264
621 West, Female, Age 12 to 17	64890.25	49171	15719.25	2.772	2.100	0.671
622 West, Female, Age 6 to 11	53555.43	49043	4512.43	2.287	2.095	0.193
623 West, Female, Age 0 to 5	55131.38	51054	4077.38	2.355	2.181	0.174
711 East, Male, Age 12 to 17	39816.01	60887	-21070.99	1.701	2.601	-0.900
712 East, Male, Age 6 to 11	63938.95	57185	6753.95	2.731	2.443	0.288
713 East, Male, Age 0 to 5	36210.21	56892	-20681.79	1.547	2.430	-0.883
721 East, Female, Age 12 to 17	46289.46	58406	-12116.54	1.977	2.495	-0.518
722 East, Female, Age 6 to 11	60375.30	54701	5674.30	2.579	2.336	0.242
723 East, Female, Age 0 to 5	37368.24	54575	-17206.76	1.596	2.331	-0.735

SPA_2012_GENDER_CAGEGROUP	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
811 South Bay, Male, Age 12 to 17	55594.27	63488	-7893.73	2.375	2.712	-0.337
812 South Bay, Male, Age 6 to 11	59575.99	61726	-2150.01	2.545	2.636	-0.092
813 South Bay, Male, Age 0 to 5	64184.29	62638	1546.29	2.741	2.675	0.066
821 South Bay, Female, Age 12 to 17	46352.16	60882	-14529.84	1.980	2.600	-0.621
822 South Bay, Female, Age 6 to 11	97753.73	58816	38937.73	4.175	2.512	1.663
823 South Bay, Female, Age 0 to 5	51682.40	59933	-8250.60	2.207	2.560	-0.352

20:27 28SEP2015

The FREQ Procedure

GEO_HD_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Alhambra	65912.92	68037	-2124.08	2.815	2.906	-0.091
2 Antelope Valley	140872.20	108311	32561.20	6.017	4.626	1.391
3 Bellflower	62448.17	85679	-23230.83	2.667	3.660	-0.992
4 Central	62914.90	67184	-4269.10	2.687	2.870	-0.182
5 Compton	86555.44	87311	-755.56	3.697	3.729	-0.032
6 East LA	55075.86	56916	-1840.14	2.352	2.431	-0.079
7 East Valley	130714.64	103338	27376.64	5.583	4.414	1.169
8 El Monte	111788.25	112260	-471.75	4.775	4.795	-0.020
9 Foothill	55857.95	67928	-12070.05	2.386	2.901	-0.516
10 Glendale	37347.44	62145	-24797.56	1.595	2.654	-1.059
11 Harbor	58767.66	49868	8899.66	2.510	2.130	0.380
12 Hollywood-Wilshire	84470.79	83103	1367.79	3.608	3.550	0.058
13 Inglewood	122151.89	106823	15328.89	5.217	4.563	0.655
14 Long Beach	127674.95	113307	14367.95	5.453	4.840	0.614
15 Northeast	91084.27	78436	12648.27	3.890	3.350	0.540
16 Pasadena	22851.36	28607	-5755.64	0.976	1.222	-0.246
17 Pomona	109507.36	121142	-11634.64	4.677	5.174	-0.497
18 San Antonio	113217.98	123277	-10059.02	4.836	5.265	-0.430
19 San Fernando	115836.46	123375	-7538.54	4.948	5.270	-0.322
20 South	126916.78	64194	62722.78	5.421	2.742	2.679
21 Southeast	75077.48	57491	17586.48	3.207	2.456	0.751
22 Southwest	123885.22	93760	30125.22	5.291	4.005	1.287
23 Torrance	66548.35	97485	-30936.65	2.842	4.164	-1.321
24 West	73570.64	106069	-32498.36	3.142	4.530	-1.388
25 West Valley	166930.90	198416	-31485.10	7.130	8.475	-1.345

GEO_HD_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
26 Whittier	53256.16	76774	-23517.84	2.275	3.279	-1.005

20:27 28SEP2015

The FREQ Procedure

CHOUDEPT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 1 Child in HH	521321.76	521999	-676.93	22.267	22.296	-0.029
2: 2 Children in HH	813909.82	863647	-49737.23	34.764	36.889	-2.124
3: 3 Children in HH	628121.74	564563	63558.28	26.829	24.114	2.715
4: 4 Children in HH	257688.83	239157	18531.50	11.007	10.215	0.792
5: 5+ Children in HH	120193.85	151869	-31675.62	5.134	6.487	-1.353

20:27 28SEP2015

The FREQ Procedure

CHOUADULT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	565825.05	279530	286294.93	24.168	11.939	12.228
2: 2 Adults in HH	1213834.73	1252787	-38952.21	51.846	53.510	-1.664
3: 3 Adults in HH	349291.12	409077	-59785.57	14.919	17.473	-2.554
4: 4 Adults in HH	141665.80	226372	-84706.15	6.051	9.669	-3.618
5: 5+ Adults in HH	70619.30	173470	-102851.00	3.016	7.409	-4.393

20:27 28SEP2015

The FREQ Procedure

I_C65_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: Born in U.S.	2213496.22	2193360	20135.99	94.544	93.684	0.860
2: Born outside U.S.	127739.78	147876	-20135.99	5.456	6.316	-0.860

20:27 28SEP2015

The FREQ Procedure

Post-Imputation value of CRACE_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Latino	1539857.05	1445727	94130.05	65.771	61.751	4.021
2 White	316365.20	445464	-129098.80	13.513	19.027	-5.514
3 African American	311291.29	192613	118678.29	13.296	8.227	5.069
4 Asian	157119.76	247648	-90528.24	6.711	10.578	-3.867
5 NHOPI	8106.08	6152	1954.08	0.346	0.263	0.083
6 American Indian	8496.61	3632	4864.61	0.363	0.155	0.208

20:27 28SEP2015

The FREQ Procedure

GENDER_CAGEGROUP	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
11 Male, Age 12 to 17	414911.80	408636	6275.80	17.722	17.454	0.268
12 Male, Age 6 to 11	467234.79	390797	76437.79	19.957	16.692	3.265
13 Male, Age 0 to 5	363144.20	397751	-34606.80	15.511	16.989	-1.478
21 Female, Age 12 to 17	388150.30	389375	-1224.70	16.579	16.631	-0.052
22 Female, Age 6 to 11	415745.86	373623	42122.86	17.758	15.958	1.799
23 Female, Age 0 to 5	292049.04	381054	-89004.96	12.474	16.276	-3.802

20:27 28SEP2015

The FREQ Procedure

**** Program terminated at iteration 7 because all current percents differ from target percents by less than 0.05 ****

20:27 28SEP2015

The FREQ Procedure

Weighted Distribution After Raking

TELEPHONE_SERVICE6C	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 cell only	988149.63	988512	-362.37	42.206	42.222	-0.015
2 landline only	142771.56	142739	32.82	6.098	6.097	0.001
3 dual user, cell mostly	535321.23	535819	-498.02	22.865	22.886	-0.021
4 dual user, not cell mostly	674993.59	674166	827.57	28.831	28.795	0.035

20:27 28SEP2015

Weighted Distribution After Raking

The FREQ Procedure

SPA_2012_I_CRACE_R2	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
100001 Antelope Valley, Latino	60623.25	59980	643.25	2.589	2.562	0.027
100002 Antelope Valley, White	24855.79	24815	40.79	1.062	1.060	0.002
100003 Antelope Valley, African American	20279.70	20147	132.70	0.866	0.861	0.006
100456 Antelope Valley, Asian/NHOPI/American Indian	3446.15	3369	77.15	0.147	0.144	0.003
200001 San Fernando, Latino	255694.46	255677	17.46	10.921	10.921	0.001
200002 San Fernando, White	166158.48	166714	-555.52	7.097	7.121	-0.024
200004 San Fernando, Asian	48115.95	47778	337.95	2.055	2.041	0.014
200356 San Fernando, African American/NHOPI/American Indian	16997.26	17105	-107.74	0.726	0.731	-0.005
300001 San Gabriel, Latino	238829.62	238790	39.62	10.201	10.199	0.002
300002 San Gabriel, White	54780.83	54974	-193.17	2.340	2.348	-0.008
300004 San Gabriel, Asian	91266.12	90601	665.12	3.898	3.870	0.028
300356 San Gabriel, African American/NHOPI/American Indian	13506.42	13609	-102.58	0.577	0.581	-0.004
400001 Metro, Latino	159117.75	159133	-15.25	6.796	6.797	-0.001
400002 Metro, White	32665.76	32761	-95.24	1.395	1.399	-0.004
400004 Metro, Asian	28349.23	28108	241.23	1.211	1.201	0.010
400003 Metro, African American/NHOPI/American Indian	8651.81	8721	-69.19	0.370	0.372	-0.003
500001 West, Latino	23996.36	24038	-41.64	1.025	1.027	-0.002
500002 West, White	64067.14	64263	-195.86	2.736	2.745	-0.008
500004 West, Asian	11287.71	11198	89.71	0.482	0.478	0.004
500356 West, African American/NHOPI/American Indian	6519.47	6570	-50.53	0.278	0.281	-0.002
600001 South, Latino	231609.18	231635	-25.82	9.893	9.894	-0.001
623456 South, White/African American/Asian/NHOPI/American Indian	70655.56	71121	-465.44	3.018	3.038	-0.020
700001 East, Latino	283567.25	283611	-43.75	12.112	12.114	-0.002
700002 East, White	27211.22	27304	-92.78	1.162	1.166	-0.004
700004 East, Asian	20826.94	20672	154.94	0.890	0.883	0.007
700356 East, African American/NHOPI/American Indian	10989.07	11059	-69.93	0.469	0.472	-0.003
800001 South Bay, Latino	192838.52	192863	-24.48	8.237	8.238	-0.001
800002 South Bay, White	70770.78	71034	-263.22	3.023	3.034	-0.011
800003 South Bay, African American	53490.02	53882	-391.98	2.285	2.301	-0.017
800456 South Bay, Asian/NHOPI/American Indian	50068.18	49704	364.18	2.139	2.123	0.016

20:27 28SEP2015

The FREQ Procedure

SPA_2012_GENDER_CAGEGROUP	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
111 Antelope Valley, Male, Age 12 to 17	20913.39	20408	505.39	0.893	0.872	0.022
112 Antelope Valley, Male, Age 6 to 11	17692.59	17683	9.59	0.756	0.755	0.000
113 Antelope Valley, Male, Age 0 to 5	16768.84	17346	-577.16	0.716	0.741	-0.025
121 Antelope Valley, Female, Age 12 to 17	19386.27	18880	506.27	0.828	0.806	0.022
122 Antelope Valley, Female, Age 6 to 11	17251.72	17273	-21.28	0.737	0.738	-0.001
123 Antelope Valley, Female, Age 0 to 5	17192.09	16721	471.09	0.734	0.714	0.020
211 San Fernando, Male, Age 12 to 17	86814.29	86963	-148.71	3.708	3.714	-0.006
212 San Fernando, Male, Age 6 to 11	81877.79	81902	-24.21	3.497	3.498	-0.001
213 San Fernando, Male, Age 0 to 5	81189.14	81103	86.14	3.468	3.464	0.004
221 San Fernando, Female, Age 12 to 17	81834.22	81951	-116.78	3.495	3.500	-0.005
222 San Fernando, Female, Age 6 to 11	78135.76	78157	-21.24	3.337	3.338	-0.001
223 San Fernando, Female, Age 0 to 5	77114.94	77198	-83.06	3.294	3.297	-0.004
311 San Gabriel, Male, Age 12 to 17	73122.89	73095	27.89	3.123	3.122	0.001
312 San Gabriel, Male, Age 6 to 11	66217.91	66111	106.91	2.828	2.824	0.005
313 San Gabriel, Male, Age 0 to 5	65253.79	65085	168.79	2.787	2.780	0.007
321 San Gabriel, Female, Age 12 to 17	69438.11	69419	19.11	2.966	2.965	0.001
322 San Gabriel, Female, Age 6 to 11	62893.90	62805	88.90	2.686	2.683	0.004
323 San Gabriel, Female, Age 0 to 5	61456.40	61459	-2.60	2.625	2.625	-0.000
411 Metro, Male, Age 12 to 17	36671.12	36707	-35.88	1.566	1.568	-0.002
412 Metro, Male, Age 6 to 11	37936.81	37951	-14.19	1.620	1.621	-0.001
413 Metro, Male, Age 0 to 5	42490.19	42356	134.19	1.815	1.809	0.006
421 Metro, Female, Age 12 to 17	34845.07	34881	-35.93	1.488	1.490	-0.002
422 Metro, Female, Age 6 to 11	35853.25	35838	15.25	1.531	1.531	0.001
423 Metro, Female, Age 0 to 5	40988.10	40990	-1.90	1.751	1.751	-0.000
511 West, Male, Age 12 to 17	16662.09	16706	-43.91	0.712	0.714	-0.002
512 West, Male, Age 6 to 11	17413.11	17462	-48.89	0.744	0.746	-0.002
513 West, Male, Age 0 to 5	20023.54	20002	21.54	0.855	0.854	0.001
521 West, Female, Age 12 to 17	15758.34	15785	-26.66	0.673	0.674	-0.001
522 West, Female, Age 6 to 11	16950.06	16990	-39.94	0.724	0.726	-0.002
523 West, Female, Age 0 to 5	19063.55	19124	-60.45	0.814	0.817	-0.003
611 West, Male, Age 12 to 17	50252.63	50382	-129.37	2.146	2.152	-0.006
612 West, Male, Age 6 to 11	50733.81	50777	-43.19	2.167	2.169	-0.002
613 West, Male, Age 0 to 5	52330.46	52329	1.46	2.235	2.235	0.000
621 West, Female, Age 12 to 17	49024.07	49171	-146.93	2.094	2.100	-0.006
622 West, Female, Age 6 to 11	49015.24	49043	-27.76	2.094	2.095	-0.001
623 West, Female, Age 0 to 5	50908.51	51054	-145.49	2.174	2.181	-0.006
711 East, Male, Age 12 to 17	60844.50	60887	-42.50	2.599	2.601	-0.002
712 East, Male, Age 6 to 11	57204.81	57185	19.81	2.443	2.443	0.001
713 East, Male, Age 0 to 5	56983.87	56892	91.87	2.434	2.430	0.004
721 East, Female, Age 12 to 17	58336.36	58406	-69.64	2.492	2.495	-0.003

SPA_2012_GENDER_CAGEGROUP	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
722 East, Female, Age 6 to 11	54710.75	54701	9.75	2.337	2.336	0.000
723 East, Female, Age 0 to 5	54514.18	54575	-60.82	2.328	2.331	-0.003
811 South Bay, Male, Age 12 to 17	63355.08	63488	-132.92	2.706	2.712	-0.006
812 South Bay, Male, Age 6 to 11	61720.17	61726	-5.83	2.636	2.636	-0.000
813 South Bay, Male, Age 0 to 5	62711.16	62638	73.16	2.679	2.675	0.003
821 South Bay, Female, Age 12 to 17	60752.56	60882	-129.44	2.595	2.600	-0.006
822 South Bay, Female, Age 6 to 11	58812.31	58816	-3.69	2.512	2.512	-0.000
823 South Bay, Female, Age 0 to 5	59816.23	59933	-116.77	2.555	2.560	-0.005

20:27 28SEP2015

The FREQ Procedure

GEO_HD_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Alhambra	68281.09	68037	244.09	2.916	2.906	0.010
2 Antelope Valley	109204.90	108311	893.90	4.664	4.626	0.038
3 Bellflower	85670.97	85679	-8.03	3.659	3.660	-0.000
4 Central	67235.44	67184	51.44	2.872	2.870	0.002
5 Compton	87200.08	87311	-110.92	3.725	3.729	-0.005
6 East LA	56914.32	56916	-1.68	2.431	2.431	-0.000
7 East Valley	103306.09	103338	-31.91	4.412	4.414	-0.001
8 El Monte	112405.71	112260	145.71	4.801	4.795	0.006
9 Foothill	67941.63	67928	13.63	2.902	2.901	0.001
10 Glendale	62074.62	62145	-70.38	2.651	2.654	-0.003
11 Harbor	49862.84	49868	-5.16	2.130	2.130	-0.000
12 Hollywood-Wilshire	83115.23	83103	12.23	3.550	3.550	0.001
13 Inglewood	106608.95	106823	-214.05	4.554	4.563	-0.009
14 Long Beach	113200.82	113307	-106.18	4.835	4.840	-0.005
15 Northeast	78433.87	78436	-2.13	3.350	3.350	-0.000
16 Pasadena	28585.31	28607	-21.69	1.221	1.222	-0.001
17 Pomona	121169.26	121142	27.26	5.175	5.174	0.001
18 San Antonio	123240.21	123277	-36.79	5.264	5.265	-0.002
19 San Fernando	123259.60	123375	-115.40	5.265	5.270	-0.005
20 South	64089.45	64194	-104.55	2.737	2.742	-0.004
21 Southeast	57396.82	57491	-94.18	2.452	2.456	-0.004
22 Southwest	93578.38	93760	-181.62	3.997	4.005	-0.008

GEO_HD_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
23 Torrance	97494.89	97485	9.89	4.164	4.164	0.000
24 West	105870.69	106069	-198.31	4.522	4.530	-0.008
25 West Valley	198325.83	198416	-90.17	8.471	8.475	-0.004
26 Whittier	76768.99	76774	-5.01	3.279	3.279	-0.000

20:27 28SEP2015

The FREQ Procedure

CHOUDEPT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 1 Child in HH	522563.66	521999	564.98	22.320	22.296	0.024
2: 2 Children in HH	863403.72	863647	-243.34	36.878	36.889	-0.010
3: 3 Children in HH	564377.91	564563	-185.55	24.106	24.114	-0.008
4: 4 Children in HH	239101.84	239157	-55.49	10.213	10.215	-0.002
5: 5+ Children in HH	151788.87	151869	-80.60	6.483	6.487	-0.003

20:27 28SEP2015

The FREQ Procedure

CHOUADULT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	279253.02	279530	-277.11	11.928	11.939	-0.012
2: 2 Adults in HH	1252930.97	1252787	144.02	53.516	53.510	0.006
3: 3 Adults in HH	408500.60	409077	-576.08	17.448	17.473	-0.025
4: 4 Adults in HH	226790.80	226372	418.86	9.687	9.669	0.018
5: 5+ Adults in HH	173760.61	173470	290.31	7.422	7.409	0.012

20:27 28SEP2015

The FREQ Procedure

I_C65_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: Born in U.S.	2193145.66	2193360	-214.56	93.675	93.684	-0.009
2: Born outside U.S.	148090.34	147876	214.56	6.325	6.316	0.009

20:27 28SEP2015

The FREQ Procedure

Post-Imputation value of CRACE_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Latino	1446276.39	1445727	549.39	61.774	61.751	0.023
2 White	445132.89	445464	-331.11	19.013	19.027	-0.014
3 African American	192371.75	192613	-241.25	8.217	8.227	-0.010
4 Asian	247676.67	247648	28.67	10.579	10.578	0.001
5 NHOPI	6154.77	6152	2.77	0.263	0.263	0.000
6 American Indian	3623.53	3632	-8.47	0.155	0.155	-0.000

20:27 28SEP2015

The FREQ Procedure

GENDER_CAGEGROUP	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
11 Male, Age 12 to 17	408636.00	408636	-0.00	17.454	17.454	-0.000
12 Male, Age 6 to 11	390797.00	390797	0.00	16.692	16.692	0.000
13 Male, Age 0 to 5	397751.00	397751	-0.00	16.989	16.989	-0.000
21 Female, Age 12 to 17	389375.00	389375	0.00	16.631	16.631	0.000

GENDER_CAGEGROUP	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
22 Female, Age 6 to 11	373623.00	373623	0.00	15.958	15.958	0.000
23 Female, Age 0 to 5	381054.00	381054	0.00	16.276	16.276	0.000

20:27 28SEP2015

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	51629.53	2.2052	1.40813
2	11972.33	0.5114	1.43133
3	2401.42	0.1026	1.43908
4	1996.94	0.0853	1.44063
5	1515.58	0.0647	1.43802
6	1205.89	0.0515	1.43962
7	893.90	0.0382	1.43805

20:27 28SEP2015

Number of Respondents Who Had Their Weights Decreased by the Trimming: **480.**
Number of Respondents Who Had Their Weights Increased by the Trimming: **1676.**

Raking output weight: **CHILD_POP_WT**

20:27 28SEP2015

Weight	Mean	Min	Max	CV
CHILD_COMPOSITE_WT_ATPT	391.38	0.63	10199.32	2.098
CHILD_POP_WT	391.38	9.24	4304.29	1.438

20:27 28SEP2015

Appendix III-L: Household Sample Raking to Population Control Totals

RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD

Sample size of completed interviews: **8008**
Raking input weight adjusted to population total: **ADULT_HH_WT_2_ATPT**
Mean value of raking input weight adjusted to population total: **408.23**
Minimum value of raking input weight: **6.66**
Maximum value of raking input weight: **7049.13**
Coefficient of variation of raking input weight: **1.24**
Global low weight cap value (GLCV): **40.82**
Global low weight cap value factor: Mean input weight times **.10**
Global high weight cap value (GHCV): **4082.30**
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): **2**
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**

07:43 05OCT2015

The FREQ Procedure

Weighted Distribution Prior To Raking. Iteration 0

TELEPHONE_SERVICE6C	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 cell only	1521410.98	1141110	380301.28	46.539	34.906	11.633
2 landline only	267311.84	242235	25077.18	8.177	7.410	0.767
3 dual user, cell mostly	585635.21	739624	-153988.30	17.914	22.625	-4.710
4 dual user, not cell mostly	894750.70	1146141	-251390.16	27.370	35.060	-7.690

07:43 05OCT2015

Weighted Distribution Prior To Raking. Iteration 0

The FREQ Procedure

HOUDEPT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 0 Children in HH	2015387.93	2077753	-62364.77	61.649	63.557	-1.908
2: 1 Child in HH	528338.93	504466	23873.26	16.162	15.431	0.730
3: 2 Children in HH	421744.43	419053	2691.48	12.901	12.819	0.082
4: 3+ Children in HH	303637.45	267841	35796.77	9.288	8.193	1.095

07:43 05OCT2015

The FREQ Procedure

HOUADULT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	913161.28	986574	-73413.16	27.933	30.179	-2.246
2: 2 Adults in HH	1363775.74	1441599	-77823.10	41.717	44.098	-2.381
3: 3 Adults in HH	490099.86	479084	11016.21	14.992	14.655	0.337
4: 4+ Adults in HH	502071.86	361855	140216.77	15.358	11.069	4.289

07:43 05OCT2015

The FREQ Procedure

I_Q79_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Own	1426180.21	1523846	-97665.55	43.626	46.613	-2.987
2 Rent	1842928.52	1745266	97662.28	56.374	53.387	2.987

07:43 05OCT2015

The FREQ Procedure

GEO_HD_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Alhambra	111745.28	111454	290.88	3.418	3.409	0.009
2 Antelope Valley	126163.66	114602	11561.98	3.859	3.506	0.354
3 Bellflower	93892.59	105354	-11461.54	2.872	3.223	-0.351
4 Central	149281.62	127884	21397.59	4.566	3.912	0.655
5 Compton	91075.13	67205	23869.95	2.786	2.056	0.730
6 East LA	66710.05	55293	11417.00	2.041	1.691	0.349
7 East Valley	146689.33	143985	2704.55	4.487	4.404	0.083
8 El Monte	127703.87	109429	18274.47	3.906	3.347	0.559
9 Foothill	96224.37	98942	-2717.79	2.943	3.027	-0.083
10 Glendale	108250.92	127122	-18871.09	3.311	3.889	-0.577
11 Harbor	60707.23	68826	-8119.15	1.857	2.105	-0.248
12 Hollywood-Wilshire	197804.58	218976	-21171.62	6.051	6.698	-0.648
13 Inglewood	145710.57	134461	11249.62	4.457	4.113	0.344
14 Long Beach	160938.49	166703	-5764.43	4.923	5.099	-0.176
15 Northeast	104518.72	88579	15939.32	3.197	2.710	0.488
16 Pasadena	48467.72	56421	-7953.70	1.483	1.726	-0.243
17 Pomona	157452.47	159172	-1719.22	4.816	4.869	-0.053
18 San Antonio	106542.27	108742	-2200.00	3.259	3.326	-0.067
19 San Fernando	156715.30	154128	2587.35	4.794	4.715	0.079
20 South	63980.54	44854	19126.15	1.957	1.372	0.585
21 Southeast	56623.97	36973	19650.96	1.732	1.131	0.601
22 Southwest	129101.19	120429	8672.48	3.949	3.684	0.265
23 Torrance	138369.67	166475	-28105.55	4.233	5.092	-0.860
24 West	238738.01	288725	-49986.49	7.303	8.832	-1.529
25 West Valley	282404.79	301483	-19077.86	8.639	9.222	-0.584
26 Whittier	103296.38	92894	10402.87	3.160	2.842	0.318

07:43 05OCT2015

The FREQ Procedure

GEO_SPA	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Antelope Valley	126163.66	114602	11561.98	3.859	3.506	0.354

GEO_SPA	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
2 San Fernando	694060.33	726717	-32657.05	21.231	22.230	-0.999
3 San Gabriel	541593.71	535419	6174.63	16.567	16.378	0.189
4 Metro	451604.92	435440	16165.29	13.814	13.320	0.494
5 West	238738.01	288725	-49986.49	7.303	8.832	-1.529
6 South	340780.84	269461	71319.54	10.424	8.243	2.182
7 East	370441.28	362283	8158.34	11.332	11.082	0.250
8 South Bay	505725.97	536465	-30739.51	15.470	16.410	-0.940

07:43 05OCT2015

The FREQ Procedure

**** Program terminated at iteration 3 because all current percents differ from target percents by less than 0.05 ****

07:43 05OCT2015

The FREQ Procedure

Weighted Distribution After Raking

TELEPHONE_SERVICE6C	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 cell only	1142367.56	1141110	1257.87	34.944	34.906	0.038
2 landline only	242278.50	242235	43.84	7.411	7.410	0.001
3 dual user, cell mostly	739448.64	739624	-174.87	22.619	22.625	-0.005
4 dual user, not cell mostly	1145017.30	1146141	-1123.56	35.025	35.060	-0.034

07:43 05OCT2015

Weighted Distribution After Raking

The FREQ Procedure

HOUDEPT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 0 Children in HH	2077134.49	2077753	-618.21	63.538	63.557	-0.019
2: 1 Child in HH	504683.83	504466	218.16	15.438	15.431	0.007
3: 2 Children in HH	419224.12	419053	171.17	12.824	12.819	0.005
4: 3+ Children in HH	268069.56	267841	228.88	8.200	8.193	0.007

07:43 05OCT2015

The FREQ Procedure

HOUADULT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	986706.60	986574	132.16	30.183	30.179	0.004
2: 2 Adults in HH	1441335.34	1441599	-263.50	44.090	44.098	-0.008
3: 3 Adults in HH	479170.57	479084	86.93	14.658	14.655	0.003
4: 4+ Adults in HH	361899.50	361855	44.41	11.070	11.069	0.001

07:43 05OCT2015

The FREQ Procedure

I_Q79_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Own	1523926.28	1523846	80.51	46.616	46.613	0.002
2 Rent	1745185.72	1745266	-80.51	53.384	53.387	-0.002

The FREQ Procedure

GEO_HD_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Alhambra	111454.39	111454	0.00	3.409	3.409	0.000
2 Antelope Valley	114601.68	114602	0.00	3.506	3.506	0.000
3 Bellflower	105354.12	105354	0.00	3.223	3.223	0.000
4 Central	127884.04	127884	0.00	3.912	3.912	0.000
5 Compton	67205.18	67205	-0.00	2.056	2.056	-0.000
6 East LA	55293.05	55293	-0.00	1.691	1.691	-0.000
7 East Valley	143984.78	143985	-0.00	4.404	4.404	-0.000
8 El Monte	109429.40	109429	-0.00	3.347	3.347	-0.000
9 Foothill	98942.16	98942	0.00	3.027	3.027	0.000
10 Glendale	127122.01	127122	0.00	3.889	3.889	0.000
11 Harbor	68826.38	68826	0.00	2.105	2.105	0.000
12 Hollywood-Wilshire	218976.20	218976	0.00	6.698	6.698	0.000
13 Inglewood	134460.95	134461	0.00	4.113	4.113	0.000
14 Long Beach	166702.92	166703	-0.00	5.099	5.099	-0.000
15 Northeast	88579.40	88579	0.00	2.710	2.710	0.000
16 Pasadena	56421.42	56421	0.00	1.726	1.726	0.000
17 Pomona	159171.70	159172	0.00	4.869	4.869	0.000
18 San Antonio	108742.26	108742	-0.00	3.326	3.326	-0.000
19 San Fernando	154127.95	154128	-0.00	4.715	4.715	-0.000
20 South	44854.39	44854	-0.00	1.372	1.372	-0.000
21 Southeast	36973.02	36973	-0.00	1.131	1.131	-0.000
22 Southwest	120428.71	120429	0.00	3.684	3.684	0.000
23 Torrance	166475.22	166475	0.00	5.092	5.092	0.000
24 West	288724.50	288725	0.00	8.832	8.832	0.000
25 West Valley	301482.65	301483	-0.00	9.222	9.222	-0.000
26 Whittier	92893.50	92894	-0.00	2.842	2.842	-0.000

The FREQ Procedure

GEO_SPA	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Antelope Valley	114601.68	114602	0.00	3.506	3.506	0.000
2 San Fernando	726717.38	726717	0.00	22.230	22.230	0.000
3 San Gabriel	535419.08	535419	0.00	16.378	16.378	0.000
4 Metro	435439.63	435440	0.00	13.320	13.320	0.000
5 West	288724.50	288725	0.00	8.832	8.832	0.000
6 South	269461.29	269461	0.00	8.243	8.243	0.000
7 East	362282.95	362283	0.00	11.082	11.082	0.000
8 South Bay	536465.48	536465	0.00	16.410	16.410	0.000

07:43 05OCT2015

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	19311.01	0.5907	1.08210
2	3833.79	0.1172	1.08926
3	1257.87	0.0384	1.08824

07:43 05OCT2015

Number of Respondents Who Had Their Weights Decreased by the Trimming: **19.**
Number of Respondents Who Had Their Weights Increased by the Trimming: **352.**

Raking output weight: **ADULT_HH_POP_WT**

07:43 05OCT2015

Weight	Mean	Min	Max	CV
ADULT_HH_WT_2_ATPT	408.23	6.66	7049.13	1.239
ADULT_HH_POP_WT	408.23	40.82	4080.76	1.088

07:43 05OCT2015

Appendix III-M: Household Subsample 5 and 6 Raking to Population Control Totals

RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD

Sample size of completed interviews: **2001**
Raking input weight adjusted to population total: **ADULT_HH_WT_2_ATPT**
Mean value of raking input weight adjusted to population total: **1633.74**
Minimum value of raking input weight: **32.93**
Maximum value of raking input weight: **22198.72**
Coefficient of variation of raking input weight: **1.19**
Global low weight cap value (GLCV): **163.37**
Global low weight cap value factor: Mean input weight times **.10**
Global high weight cap value (GHCV): **16337.37**
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**

08:21 05OCT2015

The FREQ Procedure

Weighted Distribution Prior To Raking. Iteration 0

TELEPHONE_SERVICE6C	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 cell only	1490477.78	1141110	349368.08	45.593	34.906	10.687
2 landline only	279409.00	242235	37174.34	8.547	7.410	1.137
3 dual user, cell mostly	635449.92	739624	-104173.60	19.438	22.625	-3.187
4 dual user, not cell mostly	863772.04	1146141	-282368.82	26.422	35.060	-8.637

08:21 05OCT2015

Weighted Distribution Prior To Raking. Iteration 0

The FREQ Procedure

HOUDEPT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 0 Children in HH	1999013.48	2077753	-78739.22	61.149	63.557	-2.409
2: 1 Child in HH	533161.32	504466	28695.65	16.309	15.431	0.878
3: 2 Children in HH	385731.51	419053	-33321.44	11.799	12.819	-1.019
4: 3+ Children in HH	351202.42	267841	83361.74	10.743	8.193	2.550

08:21 05OCT2015

The FREQ Procedure

HOUADULT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	886351.37	986574	-100223.06	27.113	30.179	-3.066
2: 2 Adults in HH	1424257.22	1441599	-17341.62	43.567	44.098	-0.530
3: 3 Adults in HH	417969.28	479084	-61114.36	12.785	14.655	-1.869
4: 4+ Adults in HH	540530.85	361855	178675.77	16.535	11.069	5.466

08:21 05OCT2015

The FREQ Procedure

I_Q79_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Own	1401054.79	1523846	-122790.97	42.857	46.613	-3.756
2 Rent	1868053.94	1745266	122787.70	57.143	53.387	3.756

08:21 05OCT2015

The FREQ Procedure

GEO_HD_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Alhambra	94235.45	111454	-17218.95	2.883	3.409	-0.527
2 Antelope Valley	153909.74	114602	39308.06	4.708	3.506	1.202
3 Bellflower	92690.77	105354	-12663.36	2.835	3.223	-0.387
4 Central	158736.68	127884	30852.65	4.856	3.912	0.944
5 Compton	96272.49	67205	29067.31	2.945	2.056	0.889
6 East LA	75167.69	55293	19874.64	2.299	1.691	0.608
7 East Valley	147709.16	143985	3724.38	4.518	4.404	0.114
8 El Monte	120097.77	109429	10668.37	3.674	3.347	0.326
9 Foothill	79564.01	98942	-19378.15	2.434	3.027	-0.593
10 Glendale	71186.34	127122	-55935.67	2.178	3.889	-1.711
11 Harbor	68659.12	68826	-167.26	2.100	2.105	-0.005
12 Hollywood-Wilshire	240737.47	218976	21761.27	7.364	6.698	0.666
13 Inglewood	150565.10	134461	16104.15	4.606	4.113	0.493
14 Long Beach	148550.47	166703	-18152.45	4.544	5.099	-0.555
15 Northeast	78876.37	88579	-9703.02	2.413	2.710	-0.297
16 Pasadena	46170.89	56421	-10250.53	1.412	1.726	-0.314
17 Pomona	159029.34	159172	-142.36	4.865	4.869	-0.004
18 San Antonio	128770.88	108742	20028.62	3.939	3.326	0.613
19 San Fernando	144476.36	154128	-9651.58	4.419	4.715	-0.295
20 South	50400.90	44854	5546.51	1.542	1.372	0.170
21 Southeast	75407.58	36973	38434.56	2.307	1.131	1.176
22 Southwest	148569.55	120429	28140.83	4.545	3.684	0.861
23 Torrance	132806.67	166475	-33668.55	4.062	5.092	-1.030
24 West	228644.40	288725	-60080.11	6.994	8.832	-1.838
25 West Valley	274864.96	301483	-26617.69	8.408	9.222	-0.814
26 Whittier	103008.56	92894	10115.06	3.151	2.842	0.309

08:21 05OCT2015

The FREQ Procedure

GEO_SPA	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Antelope Valley	153909.74	114602	39308.06	4.708	3.506	1.202
2 San Fernando	638236.81	726717	-88480.57	19.523	22.230	-2.707

GEO_SPA	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
3 San Gabriel	499097.46	535419	-36321.62	15.267	16.378	-1.111
4 Metro	478350.52	435440	42910.89	14.632	13.320	1.313
5 West	228644.40	288725	-60080.11	6.994	8.832	-1.838
6 South	370650.52	269461	101189.22	11.338	8.243	3.095
7 East	399637.91	362283	37354.96	12.225	11.082	1.143
8 South Bay	500581.37	536465	-35884.11	15.312	16.410	-1.098

08:21 05OCT2015

The FREQ Procedure

**** Program terminated at iteration 4 because all current percents differ from target percents by less than 0.05 ****

08:21 05OCT2015

The FREQ Procedure

Weighted Distribution After Raking

TELEPHONE_SERVICE6C	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 cell only	1142397.53	1141110	1287.83	34.945	34.906	0.039
2 landline only	242363.54	242235	128.88	7.414	7.410	0.004
3 dual user, cell mostly	739306.17	739624	-317.34	22.615	22.625	-0.010
4 dual user, not cell mostly	1145044.76	1146141	-1096.09	35.026	35.060	-0.034

08:21 05OCT2015

Weighted Distribution After Raking

The FREQ Procedure

HOUDEPT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 0 Children in HH	2077279.77	2077753	-472.93	63.543	63.557	-0.014
2: 1 Child in HH	504644.83	504466	179.16	15.437	15.431	0.005
3: 2 Children in HH	419137.29	419053	84.33	12.821	12.819	0.003
4: 3+ Children in HH	268050.11	267841	209.44	8.199	8.193	0.006

08:21 05OCT2015

The FREQ Procedure

HOUADULT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	986676.20	986574	101.77	30.182	30.179	0.003
2: 2 Adults in HH	1441223.79	1441599	-375.05	44.086	44.098	-0.011
3: 3 Adults in HH	479222.05	479084	138.41	14.659	14.655	0.004
4: 4+ Adults in HH	361989.96	361855	134.87	11.073	11.069	0.004

08:21 05OCT2015

The FREQ Procedure

I_Q79_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Own	1524035.30	1523846	189.54	46.619	46.613	0.006
2 Rent	1745076.70	1745266	-189.54	53.381	53.387	-0.006

The FREQ Procedure

GEO_HD_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Alhambra	111454.39	111454	-0.00	3.409	3.409	-0.000
2 Antelope Valley	114601.68	114602	-0.00	3.506	3.506	-0.000
3 Bellflower	105354.12	105354	0.00	3.223	3.223	-0.000
4 Central	127884.04	127884	0.00	3.912	3.912	0.000
5 Compton	67205.18	67205	0.00	2.056	2.056	0.000
6 East LA	55293.05	55293	0.00	1.691	1.691	0.000
7 East Valley	143984.78	143985	-0.00	4.404	4.404	-0.000
8 El Monte	109429.40	109429	-0.00	3.347	3.347	-0.000
9 Foothill	98942.16	98942	-0.00	3.027	3.027	-0.000
10 Glendale	127122.01	127122	0.00	3.889	3.889	-0.000
11 Harbor	68826.38	68826	-0.00	2.105	2.105	-0.000
12 Hollywood-Wilshire	218976.20	218976	0.00	6.698	6.698	0.000
13 Inglewood	134460.95	134461	-0.00	4.113	4.113	-0.000
14 Long Beach	166702.92	166703	-0.00	5.099	5.099	-0.000
15 Northeast	88579.40	88579	0.00	2.710	2.710	0.000
16 Pasadena	56421.42	56421	-0.00	1.726	1.726	-0.000
17 Pomona	159171.70	159172	-0.00	4.869	4.869	-0.000
18 San Antonio	108742.26	108742	0.00	3.326	3.326	0.000
19 San Fernando	154127.95	154128	-0.00	4.715	4.715	-0.000
20 South	44854.39	44854	0.00	1.372	1.372	0.000
21 Southeast	36973.02	36973	0.00	1.131	1.131	0.000
22 Southwest	120428.71	120429	0.00	3.684	3.684	0.000
23 Torrance	166475.22	166475	-0.00	5.092	5.092	-0.000
24 West	288724.50	288725	0.00	8.832	8.832	-0.000
25 West Valley	301482.65	301483	-0.00	9.222	9.222	-0.000
26 Whittier	92893.50	92894	0.00	2.842	2.842	-0.000

The FREQ Procedure

GEO_SPA	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Antelope Valley	114601.68	114602	-0.00	3.506	3.506	0.000
2 San Fernando	726717.38	726717	0.00	22.230	22.230	0.000
3 San Gabriel	535419.08	535419	-0.00	16.378	16.378	0.000
4 Metro	435439.63	435440	0.00	13.320	13.320	0.000
5 West	288724.50	288725	0.00	8.832	8.832	0.000
6 South	269461.29	269461	-0.00	8.243	8.243	0.000
7 East	362282.95	362283	0.00	11.082	11.082	0.000
8 South Bay	536465.48	536465	-0.00	16.410	16.410	0.000

08:21 05OCT2015

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	47306.89	1.4471	1.04690
2	8487.02	0.2596	1.06383
3	3536.28	0.1081	1.06514
4	1287.83	0.0394	1.06456

08:21 05OCT2015

Number of Respondents Who Had Their Weights Decreased by the Trimming: **5.**
Number of Respondents Who Had Their Weights Increased by the Trimming: **120.**

Raking output weight: **ADULT_HH_POP_WT_SBSMP_56**

08:21 05OCT2015

Weight	Mean	Min	Max	CV
ADULT_HH_WT_2_ATPT	1633.74	32.93	22198.72	1.194
ADULT_HH_POP_WT_SBSMP_56	1633.74	163.44	16225.79	1.065

08:21 05OCT2015

Appendix III-N: 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: **5982**
Raking input weight adjusted to population total: **CHILD_HH_WT_1_ATPT**
Mean value of raking input weight adjusted to population total: **189.44**
Minimum value of raking input weight: **7.96**
Maximum value of raking input weight: **2228.77**
Coefficient of variation of raking input weight: **1.18**
Global low weight cap value (GLCV): **17.24**
Global low weight cap value factor: Mean input weight times **.091**
Global high weight cap value (GHCV): **2083.89**
Global high weight cap value factor: Mean input weight times **11**
Individual low weight cap value (ILCV) factor: Respondent's weight times **.167**
Individual high weight cap value (IHCV) factor: Respondent's weight times **6**
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**

16:23 01OCT2015

The FREQ Procedure

Weighted Distribution Prior To Raking. Iteration 0

TELEPHONE_SERVICE6C	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 cell only	474888.41	478482	-3593.95	41.905	42.222	-0.317
2 landline only	67843.24	69092	-1248.45	5.987	6.097	-0.110
3 dual user, cell mostly	262211.72	259360	2852.14	23.138	22.886	0.252
4 dual user, not cell mostly	328315.64	326325	1990.26	28.971	28.795	0.176

16:23 01OCT2015

Weighted Distribution Prior To Raking. Iteration 0

The FREQ Procedure

CHOUDEPT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 1 Child in HH	463412.28	479864	-16451.57	40.892	42.344	-1.452
2: 2 Children in HH	394882.01	398617	-3734.54	34.845	35.174	-0.330
3: 3 Children in HH	177957.86	174084	3873.96	15.703	15.361	0.342
4: 4 Children in HH	60953.93	55320	5633.79	5.379	4.882	0.497
5: 5+ Children in HH	36052.92	25375	10678.36	3.181	2.239	0.942

16:23 01OCT2015

The FREQ Procedure

CHOUADULT_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	139194.15	143038	-3843.77	12.283	12.622	-0.339
2: 2 Adults in HH	577697.43	593676	-15978.88	50.977	52.387	-1.410
3: 3 Adults in HH	214232.25	212890	1341.84	18.904	18.786	0.118
4: 4 Adults in HH	116024.51	111226	4798.89	10.238	9.815	0.423
5: 5+ Adults in HH	86110.66	72429	13681.92	7.598	6.391	1.207

16:23 01OCT2015

The FREQ Procedure

GEO_HD_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Alhambra	34877.30	37160	-2282.88	3.078	3.279	-0.201
2 Antelope Valley	55560.35	49397	6163.16	4.903	4.359	0.544
3 Bellflower	38937.55	42668	-3730.73	3.436	3.765	-0.329
4 Central	34434.57	31377	3057.92	3.039	2.769	0.270
5 Compton	43002.58	36735	6267.57	3.795	3.242	0.553
6 East LA	25384.03	24772	611.54	2.240	2.186	0.054
7 East Valley	45699.19	46607	-907.97	4.033	4.113	-0.080
8 El Monte	56456.30	49514	6942.01	4.982	4.369	0.613

GEO_HD_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
9 Foothill	34691.89	35205	-513.25	3.061	3.107	-0.045
10 Glendale	34611.70	37583	-2971.75	3.054	3.316	-0.262
11 Harbor	23620.15	24373	-753.08	2.084	2.151	-0.066
12 Hollywood-Wilshire	42090.05	41589	501.51	3.714	3.670	0.044
13 Inglewood	49204.05	52363	-3158.82	4.342	4.621	-0.279
14 Long Beach	52849.05	54337	-1488.06	4.663	4.795	-0.131
15 Northeast	37957.63	35022	2935.80	3.349	3.090	0.259
16 Pasadena	14296.98	13467	829.55	1.262	1.188	0.073
17 Pomona	54641.92	62579	-7936.68	4.822	5.522	-0.700
18 San Antonio	59381.24	56439	2942.25	5.240	4.980	0.260
19 San Fernando	58825.65	62501	-3675.22	5.191	5.515	-0.324
20 South	24495.10	24800	-305.23	2.161	2.188	-0.027
21 Southeast	23574.75	21764	1811.11	2.080	1.920	0.160
22 Southwest	46646.54	43832	2815.02	4.116	3.868	0.248
23 Torrance	44891.29	51374	-6483.02	3.961	4.533	-0.572
24 West	58996.69	56522	2474.20	5.206	4.988	0.218
25 West Valley	99264.46	103181	-3917.01	8.759	9.105	-0.346
26 Whittier	38868.00	38096	772.04	3.430	3.362	0.068

The FREQ Procedure

SPA_2012	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Antelope Valley	55560.35	49397	6163.16	4.903	4.359	0.544
2 San Fernando	238401.00	249873	-11471.94	21.037	22.049	-1.012
3 San Gabriel	194964.39	197926	-2961.25	17.204	17.465	-0.261
4 Metro	114482.25	107987	6495.23	10.102	9.529	0.573
5 West	58996.69	56522	2474.20	5.206	4.988	0.218
6 South	137718.97	127130	10588.48	12.152	11.218	0.934
7 East	162570.82	161976	595.10	14.345	14.293	0.053
8 South Bay	170564.53	182448	-11882.98	15.051	16.099	-1.049

The FREQ Procedure

**** Program terminated at iteration 2 because all current percents differ from target percents by less than 0.05 ****

16:23 01OCT2015

The FREQ Procedure

Weighted Distribution After Raking

TELEPHONE_SERVICE6C	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 cell only	478037.34	478482	-445.02	42.183	42.222	-0.039
2 landline only	69099.60	69092	7.91	6.097	6.097	0.001
3 dual user, cell mostly	259578.53	259360	218.95	22.905	22.886	0.019
4 dual user, not cell mostly	326543.54	326325	218.16	28.815	28.795	0.019

16:23 01OCT2015

Weighted Distribution After Raking

The FREQ Procedure

CHOUDEPT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 1 Child in HH	479829.69	479864	-34.16	42.341	42.344	-0.003
2: 2 Children in HH	398762.40	398617	145.85	35.187	35.174	0.013
3: 3 Children in HH	174005.17	174084	-78.73	15.354	15.361	-0.007
4: 4 Children in HH	55258.10	55320	-62.04	4.876	4.882	-0.005
5: 5+ Children in HH	25403.65	25375	29.09	2.242	2.239	0.003

The FREQ Procedure

CHOUADULT_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1: 1 Adult in HH	142997.03	143038	-40.89	12.618	12.622	-0.004
2: 2 Adults in HH	593865.75	593676	189.44	52.403	52.387	0.017
3: 3 Adults in HH	212895.88	212890	5.47	18.786	18.786	0.000
4: 4 Adults in HH	111222.84	111226	-2.77	9.814	9.815	-0.000
5: 5+ Adults in HH	72277.49	72429	-151.25	6.378	6.391	-0.013

The FREQ Procedure

GEO_HD_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Alhambra	37160.19	37160	0.00	3.279	3.279	0.000
2 Antelope Valley	49397.19	49397	-0.00	4.359	4.359	-0.000
3 Bellflower	42668.28	42668	0.00	3.765	3.765	0.000
4 Central	31376.64	31377	-0.00	2.769	2.769	-0.000
5 Compton	36735.01	36735	-0.00	3.242	3.242	-0.000
6 East LA	24772.50	24772	0.00	2.186	2.186	0.000
7 East Valley	46607.15	46607	0.00	4.113	4.113	0.000
8 El Monte	49514.28	49514	-0.00	4.369	4.369	-0.000
9 Foothill	35205.14	35205	-0.00	3.107	3.107	-0.000
10 Glendale	37583.44	37583	0.00	3.316	3.316	0.000
11 Harbor	24373.24	24373	-0.00	2.151	2.151	-0.000
12 Hollywood-Wilshire	41588.54	41589	-0.00	3.670	3.670	-0.000
13 Inglewood	52362.87	52363	-0.00	4.621	4.621	-0.000
14 Long Beach	54337.10	54337	0.00	4.795	4.795	0.000
15 Northeast	35021.83	35022	-0.00	3.090	3.090	-0.000
16 Pasadena	13467.42	13467	-0.00	1.188	1.188	-0.000

GEO_HD_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
17 Pomona	62578.61	62579	-0.00	5.522	5.522	-0.000
18 San Antonio	56438.99	56439	0.00	4.980	4.980	0.000
19 San Fernando	62500.87	62501	-0.00	5.515	5.515	-0.000
20 South	24800.33	24800	-0.00	2.188	2.188	-0.000
21 Southeast	21763.63	21764	0.00	1.920	1.920	0.000
22 Southwest	43831.51	43832	-0.00	3.868	3.868	-0.000
23 Torrance	51374.31	51374	0.00	4.533	4.533	0.000
24 West	56522.49	56522	-0.00	4.988	4.988	-0.000
25 West Valley	103181.47	103181	0.00	9.105	9.105	0.000
26 Whittier	38095.96	38096	0.00	3.362	3.362	0.000

The FREQ Procedure

SPA_2012	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Antelope Valley	49397.19	49397	-0.00	4.359	4.359	-0.000
2 San Fernando	249872.93	249873	0.00	22.049	22.049	0.000
3 San Gabriel	197925.65	197926	0.00	17.465	17.465	0.000
4 Metro	107987.01	107987	-0.00	9.529	9.529	-0.000
5 West	56522.49	56522	-0.00	4.988	4.988	-0.000
6 South	127130.49	127130	0.00	11.218	11.218	0.000
7 East	161975.72	161976	0.00	14.293	14.293	0.000
8 South Bay	182447.51	182448	0.00	16.099	16.099	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	4862.70	0.4291	1.18462
2	445.02	0.0393	1.19085

Number of Respondents Who Had Their Weights Decreased by the Trimming: **2.**
Number of Respondents Who Had Their Weights Increased by the Trimming: **721.**

Raking output weight: **CHILD_HH_POP_WT**

16:23 01OCT2015

Weight	Mean	Min	Max	CV
CHILD_HH_WT_1_ATPT	189.44	7.96	2228.77	1.182
CHILD_HH_POP_WT	189.44	17.24	2083.89	1.191

16:23 01OCT2015

Appendix III-O: BSC Child Sample Raking to Population Control Totals

RAKING WITH TRIMMING WEIGHT BY INDIVIDUAL AND GLOBAL CAP VALUE METHOD

Sample size of completed interviews: **700**
Raking input weight adjusted to population total: **CHILD_POP_WT_ATPT**
Mean value of raking input weight adjusted to population total: **225.99**
Minimum value of raking input weight: **9.23**
Maximum value of raking input weight: **3737.01**
Coefficient of variation of raking input weight: **2.00**
Global low weight cap value (GLCV): **20.56**
Global low weight cap value factor: Mean input weight times **.091**
Global high weight cap value (GHCV): **2485.87**
Global high weight cap value factor: Mean input weight times **11**
Individual low weight cap value (ILCV) factor: Respondent's weight times **.167**
Individual high weight cap value (IHCV) factor: Respondent's weight times **6**
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**

14:13 30SEP2015

The FREQ Procedure

Weighted Distribution Prior To Raking. Iteration 0

GENDER	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Male	89500.98	80770	8730.98	56.577	51.058	5.519
2 Female	68691.02	77422	-8730.98	43.423	48.942	-5.519

14:13 30SEP2015

Weighted Distribution Prior To Raking. Iteration 0

The FREQ Procedure

I_CRACE_R2	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
1 Latino	126692.56	125340	1352.56	80.088	79.233	0.855
2 White	9634.15	9540	94.15	6.090	6.031	0.060
3 African American	18040.66	18339	-298.34	11.404	11.593	-0.189
456 Asian/NHOPI/American Indian	3824.64	4973	-1148.36	2.418	3.144	-0.726

14:13 30SEP2015

The FREQ Procedure

_BSC_R	Input Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Input Weights	Target % of Weights	Difference in %
3 Compton	21272.06	14152	7120.06	13.447	8.946	4.501
4 East LA	14429.79	13851	578.79	9.122	8.756	0.366
5 Lancaster	15290.63	14943	347.63	9.666	9.446	0.220
6 Metro LA	3956.53	6740	-2783.47	2.501	4.261	-1.760
7 NE SFV	11417.49	11856	-438.51	7.217	7.495	-0.277
8 Palmdale	15605.85	16461	-855.15	9.865	10.406	-0.541
9 Panorama City	12214.59	15895	-3680.41	7.721	10.048	-2.327
10 SELA	19000.01	16622	2378.01	12.011	10.507	1.503
11 South El Monte/El Monte	13857.17	9068	4789.17	8.760	5.732	3.027
12 Watts/Willowbrook	11003.72	9319	1684.72	6.956	5.891	1.065
0102 Broadway/Manchester,Central Long Beach	9044.69	19069	-10024.31	5.718	12.054	-6.337
1314 West Athens,Wilmington	11099.46	10216	883.46	7.016	6.458	0.558

14:13 30SEP2015

The FREQ Procedure

**** Program terminated at iteration 3 because all current percents differ from target percents by less than 0.05 ****

14:13 30SEP2015

The FREQ Procedure

Weighted Distribution After Raking

GENDER	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Male	80838.79	80770	68.79	51.102	51.058	0.043
2 Female	77353.21	77422	-68.79	48.898	48.942	-0.043

14:13 30SEP2015

Weighted Distribution After Raking

The FREQ Procedure

I_CRACE_R2	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
1 Latino	125268.98	125340	-71.02	79.188	79.233	-0.045
2 White	9577.37	9540	37.37	6.054	6.031	0.024
3 African American	18383.47	18339	44.47	11.621	11.593	0.028
456 Asian/NHOPI/American Indian	4962.18	4973	-10.82	3.137	3.144	-0.007

14:13 30SEP2015

The FREQ Procedure

_BSC_R	Output Weight Sum of Weights	Target Total	Sum of Weights Difference	% of Output Weights	Target % of Weights	Difference in %
3 Compton	14152.00	14152	-0.00	8.946	8.946	0.000
4 East LA	13851.00	13851	-0.00	8.756	8.756	-0.000
5 Lancaster	14943.00	14943	-0.00	9.446	9.446	-0.000
6 Metro LA	6740.00	6740	0.00	4.261	4.261	0.000
7 NE SFV	11856.00	11856	-0.00	7.495	7.495	0.000
8 Palmdale	16461.00	16461	0.00	10.406	10.406	0.000
9 Panorama City	15895.00	15895	0.00	10.048	10.048	0.000
10 SELA	16622.00	16622	0.00	10.507	10.507	0.000
11 South El Monte/El Monte	9068.00	9068	-0.00	5.732	5.732	0.000
12 Watts/Willowbrook	9319.00	9319	-0.00	5.891	5.891	0.000
0102 Broadway/Manchester,Central Long Beach	19069.00	19069	-0.00	12.054	12.054	0.000
1314 West Athens,Wilmington	10216.00	10216	0.00	6.458	6.458	0.000

14:13 30SEP2015

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	2307.02	1.4584	1.84297
2	343.01	0.2168	1.83924
3	71.02	0.0449	1.84047

14:13 30SEP2015

Number of Respondents Who Had Their Weights Decreased by the Trimming: **13.**
Number of Respondents Who Had Their Weights Increased by the Trimming: **28.**

Raking output weight: **CHILD_BSC_POP_WT**

14:13 30SEP2015

Weight	Mean	Min	Max	CV
CHILD_POP_WT_ATPT	225.99	9.23	3737.01	2.000
CHILD_BSC_POP_WT	225.99	20.62	2469.29	1.840

14:13 30SEP2015