California Fruit & Vegetable Intake Calibration Study

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Executive Summary

The CDPS is nationally recognized as the oldest, state-specific tracking survey for fruit and vegetable intake in the country. In 2005, it will represent sixteen years of bi-annual survey data using a modified 24-hour recall telephone interview methodology. Before this study, the examination of trends over time, especially for the race/ethnic groups of interest and for their low-income cohort, could not rule out seasonal effects. Because the CDPS has not always spanned the exact same months, although generally it covers July through October, seasonal issues concerning the race/ethnic samples have been suspect. The results of this study enhance both the interpretative dimensions of past and future CDPS findings.

This study set out to achieve four objectives that are intended to illuminate and augment observations and methodological issues related to the *California Dietary Practices Survey* (CDPS) in tracking fruit and vegetable consumption in the California population. The first and primary objective is to explore whether seasonal variation exists during the months of the year. The second is to quantify differences among, and seasonality effects as it relates to, the race/ethnic groups tracked by the CDPS, specifically Whites, Latinos, and African Americans. The third objective is to see if Latino acculturation plays a role in seasonal differences. And fourth, nested within this study is the calibration of a short form version of the CDPS dietary collection method. This study assesses this short form as a possible low-cost substitute data collection tool for tracking fruit and vegetable intake.

Using identical CDPS methods, 8,543 telephone interviews were collected between November 2000 and October 2002. Sample sizes for each month of the year were approximately equal and included over-samples of low-income persons in the three race/ethnic groups of interest and of African Americans and Latinos in general. Interviews were conducted in both English and Spanish, and Latinos were further categorized into high- and low-acculturation segments. Half of the overall sample was randomly assigned to

answering three questions (designated as the "short-form" or SF3 questions) directly asking for the number of servings of fruit, fruit juice, and vegetables consumed on the previous day. These were asked ahead of the more extensive and detailed CDPS questions in order to avoid positive recall bias.

Seasonal Variation

Findings indicate that seasonality (month-to-month variation) is not a factor in California for the adult population for the total number of servings of fruit and vegetables consumed, or separately for servings of fruit or servings of vegetables. For the race ethnic groups in this study, this finding is the same for Whites and for Latinos. Additionally, no seasonality effects are seen for high-acculturation Latinos, however, results for low-acculturation Latinos are inconclusive. African Americans do have significant variation among months, mostly attributed to the month of December where there are large and significant intakes of servings of total fruit and vegetables and of servings of vegetables. However, since December is excluded from the usual CDPS data collection period, this finding is not a factor in interpreting CDPS data. For African Americans, although there appears to be some variation, there are no significant differences observed across the months of July through November, the months when CDPS African American samples and over-samples have been collected in the past.

The overall conclusion is that there are no major month-to-month seasonality effects during the usual period of data collection for the CDPS (July-October) for all adults, or specifically for Whites, African Americans, Latinos, and the low-income segments of these three race/ethnic groups. A noteworthy caveat is that these findings suggest, somewhat surprisingly, that the monthly patterns may be different from year to year. There is no explanation for this. Since this study only included two years of data, there is insufficient evidence to confirm this finding. Interpretation of CDPS trend data since 1989 can eliminate seasonality as an explanatory factor if patterns of monthly variation from July though October are assumed to be the same from year to year. This study suggests that this is the case.

The Short-Form or SF3

Results comparing the SF3 with the CDPS method in measuring the number of servings of total fruit and vegetables show that the SF3 correlates positively and somewhat strongly (r=0.687). However, the SF3 was found to overestimate the number of servings of total fruit and vegetables by a little more than one-third of a serving (0.37 servings, p<.001). Among the three race ethnic groups studied, that overestimation is only slightly higher for African Americans (0.43 servings, p<.05). Since few surveys have sample sizes that can statistically differentiate groups at a level below half a serving, the SF3 appears to be a very good approximation of the number of servings of fruit and vegetables for population estimates in relation to the CDPS method.

The conclusion is similar for estimating the number of servings of fruit. The degree of overestimation of the number of servings of fruit for all adults is higher than that for total fruit and vegetables, however, it is still less than half a serving (0.43 servings, p<.001). This conclusion for estimating fruit intake is the same for all three race/ethnic groups studied.

In estimating the number of servings of vegetables, the SF3 performed best in that there is no significant difference from estimates made using the CDPS method either for all adults or for any of the race/ethnic groups measured. The correlation is also good (r=0.527), although not as strong as that observed for fruit or for total fruit and vegetables. Although the point estimate for servings of vegetables in this study was not statistically different from the CDPS estimate, the lower correlation suggests the SF3 vegetable estimate will not track as well over time as the estimates for fruit alone or for total fruit and vegetables, both of which have relatively stronger correlations with the CDPS estimates. However, compared to dietary studies in general, all these correlations are still very good.

In place of the CDPS method, the SF3 is a very good and potentially cost efficient way to obtain population estimates of the number of servings of fruit and vegetables. It should work well to track intake over time, but would likely produce a slightly higher estimate than that produced by the CDPS method. It is a good estimator of the number of servings of fruit. Estimates of the number of servings of vegetables, although not as strongly correlated, should not be very different than those produced using the CDPS method.

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California Fruit & Vegetable Intake Calibration Study

Introduction

This study set out to achieve four specific aims that are intended to illuminate and augment observations and methodological issues related to the *California Dietary Practices Survey* (CDPS) in tracking fruit and vegetable consumption in the California population. The author of this report has had the opportunity to contribute to the data collection methodology and sample design used in the CDPS since its inception in 1989 and directed the data collection for the first five surveys. The aims of this study address statistical limitations of CDPS as currently fielded and external factors that may contribute to bias in interpreting trend data. This study also explores an alternative data collection instrument as a potential cost-saving strategy.

Specific Aims

Explore Seasonal Variation.

Quantify month-by-month consumption across the calendar year to explore whether or not significant monthly variation exists. If a seasonal effect is found, this will be assessed for its impact on interpreting trend data in the CDPS. Also, if CDPS data are affected by a seasonality effect, this study could provide seasonal adjustment factors for examining trend data when those data cross different seasons. This analysis is to be done for both the overall population and for each of the race/ethnic and income groups of interest. If seasonal variation is significant, especially for Latinos or African Americans, it may provide some explanation of trends reported in these two groups in past surveys.

1. **Quantify Race/Ethnic and Income Group Differences.**

   Quantify differences in the number of servings of fruit and vegetables in the general population and the three race/ethnic groups currently tracked by the CDPS. Because of the large sample sizes in this study, it is possible to discriminate differences in the range

of 0.3 servings to 0.9 servings depending on the sub-samples being examined. The groups to be examined in this study are: White, Latino, African American and their respective low-income cohort.

2. Examine Latino Acculturation Differences.

Examine differences in measurable levels of acculturation as they relate to the number of servings of fruits and vegetables reported by Latinos and any seasonality effect relative to a dichotomous acculturation classification.

3. Conduct a Short Form Calibration.

Nested inside this survey questionnaire is a short form version of the CDPS telephone intake measurement method. An aim of this study is to calibrate the short-form results against results obtained from the full-length method. The short-form method, once it is calibrated, may be used for future low-cost tracking surveys when it comes to measuring number of servings of fruit and vegetables consumed.

4. Establish a Dietary Intake Research Resource.

A final aim of this study is that the collected data will be a valuable resource for future research and an additional baseline for continued tracking of fruit and vegetable intake into the twenty-first century.

Background

Seasonal variation—an unknown effect

The *California Dietary Practices Survey* (CDPS) is conducted by the Cancer Prevention and Nutrition Section of the California Department of Health Services and the Public Health Institute (PHI) to measure and track fruit and vegetable intake in the California population. Since its inception in 1989, the CDPS has been carried out every other year. From 1993 onward, an over-sample of Latino adults has been included, and since 1995, over-samples of low-income persons and low-income African Americans have been conducted. The CDPS is nationally recognized as the oldest, state-specific tracking survey for fruit and vegetable intake in the country. In 2005 it will represent sixteen years of bi-annual survey data using a modified 24-hour recall telephone interview methodology. The results of this *California Fruit and Vegetable Intake Calibration Study* will enhance both the interpretative dimensions of past and future CDPS findings.

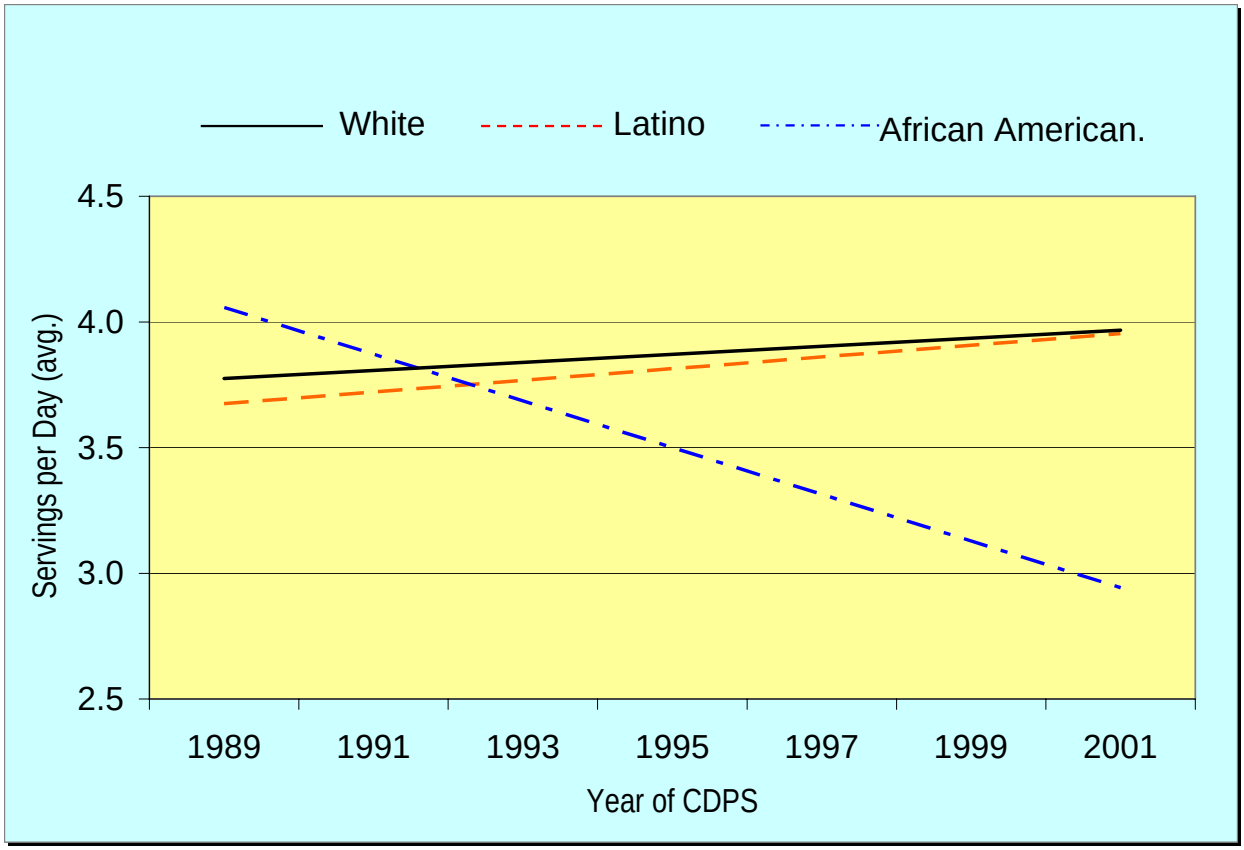
Trends among White, Latino, and African-American groups have been a major focus of the CDPS.[1] Between 1989 and 2001, the trend for the overall state estimates was relatively stable, starting at 3.8 servings in 1989 to 3.9 in 2001 (Exhibit 1). The highest estimate was 4.1 servings for 1995, dropping back to 3.8 in 1997 and 1999 and 3.9 in 2001. Among the majority White population, the trend mirrors the statewide trend. After an initial increase from 3.7 to 4.0 in 1991, the estimate has remained relatively flat at 3.9 servings per day, going to 4.0 in 2001. A much more pronounced increase has been observed among California's Latino population. Starting relatively high at 3.9 servings in 1989 that increased to 4.7 in 1995 then fell almost a full serving to 3.8 in 1997 and returning to 3.9 in 2001.

Exhibit 1.
CDPS average servings of fruit and vegetables per day for all adults (ages 18+), for three race/ethnic groups, 1989-2001

Year	All Adults	White	Latino	African Am.
1989	3.8	3.7	3.9	4.0
1991	3.9	4.0	3.2	4.3
1993	3.7	3.7	3.5	3.7
1995	4.1	3.9	4.7	3.0
1997	3.8	3.9	3.8	3.1
1999	3.8	3.9	3.7	3.2
2001	3.9	4.0	3.9	3.2

The trend among African Americans evokes even more concern because of its seemingly clear negative direction for a number of years. After an initial increase from 4.0 servings to 4.3 in 1991, each subsequent estimate has been lower. After a drop to 3.7 in 1993 it remained stable and lower at around 3.1 or 3.2 since 1997. A simple linear regression line fitted to these estimates for each race/ethnic group appears slightly positive (increasing) for Whites and for Latinos, and negative (decreasing) for African Americans (Exhibit 2). However, the actual trend line or slope for Whites and for Latinos is technically flat, i.e., not statistically different from zero. The slope or trend line for African Americans is significantly negative ($p<.05$).

Exhibit 2.
Linear plot of CDPS estimates of average servings of fruit and vegetables per day for three race/ethnic groups (ages 18+), 1989-2001



For a reasonable scientist, these observations also raise the question of a possible methodological or measurement flaw in the CDPS design. If only the statewide general population estimates were being made, the trend line appears believable even if discouraging (i.e., no observed change) when measured against the more than 10 years of effort by the *5 a Day—for Better Health!* campaign. The race/ethnic subgroups, however, suggest another story. The question remains, how believable are these trends? Are there some critical

adjustments not being made to these important data? If there is a race/ethnic difference, can a more precise difference be quantified? How much is the limited sample size of past surveys a contributor to these observations? Are the implementation methods suspect with regard to seasonal timing?

One issue of possible measurement error may exist from the inherent logistic difficulties in obtaining past over-samples of Latino, African American, and low-income persons. To the best possible extent, the CDPS has been conducted mostly during the same months of the year, generally between July and October. Although conducting the survey in the same window of time each year is the operative objective, for a variety of funding-related administrative reasons, this has not always been possible. The actual data collection periods for the past seven surveys have been somewhat different. The 1989 survey (CDPS I) occurred the earliest (end of May through August), while the 1993 survey (CDPS III) ended the latest (mid-November). Four surveys (CDPS II, IV, V, and VII) covered similar periods starting sometime in July-August and ending in September-October. This is also true for CDPS VI, because it finished data collection on November 2, 2001, making the effect of any cases in November negligible (Exhibit 3).

Exhibit 3.
Data collection months for the CDPS general population survey, 1989-2001

CDPS-I	May-August 1989
CDPS-II	July-September 1991
CDPS-III	September-mid-November 1993
CDPS-IV	August-September 1995
CDPS-V	July-September 1997
CDPS-VI	August-November 1999
CDPS-VII	July-September 2001

The question arises whether or not there is a dimension of seasonal variation not accounted for in the CDPS estimates, especially in CDPS I and III. Equally important to acknowledge is that the more time consuming, "more difficult to reach" over-samples extended their data collection as much as four to six weeks beyond the end month for the general population shown in Exhibit 3 for CDPS III-VII. This places the Latino and much of the low-income African American data collection far outside the California "summer" period. These groups

have had their data collected well into the month of November when perhaps fruit and vegetable intake may be seasonally lower. Although fruits and vegetables are available throughout the year in the California, their cost is seasonally affected.

This research examines if any seasonal variation exists for each of the racial/ethnic groups, both generally and for their low-income cohort. Seasonal variability in dietary intake has been recognized and measured using intake instruments other than the CDPS telephone interview method, but not for California alone.[2,3,4]

This study also measures seasonal differences among California's Latino population based on different levels of acculturation. Past CDPS reports have shown that lower acculturation is associated with higher levels of intake of fruits and vegetables among Latinos.[5] This raises the question if seasonal variation affects high and low acculturated Latinos differently.

A CDPS method alternative

The modified 24-hour recall method used in the CDPS requires considerable effort and resources to implement correctly. A significant challenge exists in training "generic" commercial interviewers who generally do not have a nutrition background. The most difficult dimensions of that training are such basics as what is or is not a fruit or a vegetable. Interviewers play a critical role in assisting respondents in assessing the number of servings correctly for different reported items (e.g., mentally converting amounts to fractions of a cup to determine the number of servings consumed). They also must aid respondents in deconstructing mixed dishes to determine the number of servings of the different components. Not all interviewers are able to master this equally and over the course of weeks of data collection there is degradation of knowledge due to a combination of rare occurrences of some food items and forgetfulness. As a result, significant effort is required for quality control monitoring of interviewers and periodic refresher training to make the CDPS method work.

In implementing the CDPS method, the length of time used in one interview is dependent on 1) what the respondent understands, 2) how extensive or varied the respondent's fruit and vegetable consumption is, and 3) the skill of the interviewer. A good interviewer could normally accomplish this task in five to seven minutes. Time, however, is an important factor in whether or not general health behavior surveys can afford to include multiple complex

questions on dietary intake, especially in determining the number of servings of fruit and vegetables consumed. A shorter form of the CDPS method that is less involved and less complex with regard to interviewer training would be a convenient substitute if it worked as well in producing population estimates. Such an approach, derived from the CDPS method and asking only three questions, is compared to the CDPS method as part of this study. The possible substitute method is called the "Short Form 3" or "SF3," since it uses three short and direct questions (Exhibit 4).

Exhibit 4.
Three short form questions (SF3)

1. The first question is about the number of servings of fruit you ate yesterday. This would include fresh fruit, canned fruit, dried and frozen fruit but NOT fruit juice. A serving is whatever you think of as a normal portion size for yourself.

   Thinking about the fruit you ate yesterday, how many servings of fruit did you eat?

2. And how many servings of 100% fruit juice did you drink? Do NOT include fruit DRINKS like Kool-Aid or lemonade, cranberry juice cocktail, Hi-C, Tang, Tampico, Sunny Delight, or Twister.

3. Next is about the number of servings of vegetables you ate yesterday. This would include ALL forms of vegetables, such as fresh, canned, frozen and dried, as well as any vegetable juices, soups and stews made with vegetables. It ALSO includes potatoes, vegetable salads and salsa.

   Thinking about the vegetables you ate yesterday, how many servings of vegetables did you have?

Research Design and Methods

Study population and sample size

The study population is California adults, ages 18 years and older. Among these persons, those who self-identify as White, Latino, or African American and those who report that their total annual household income from all sources is $25,000 or less (i.e., low income) are over-sampled. A dual frame design is used to locate these persons. The method of data collection is the same used in the CDPS, a telephone survey using computer-assisted telephone interviewing (CATI) techniques. The main frame consists of all residential telephone numbers across the state. The second (hence, "dual") or supplemental frame consists of residential telephone numbers located in geographic areas with concentrations (greater then 30%) of Latino, African-American, and low-income households. Interviews completed in this supplemental frame are classified as "targeted," since they are designed to maximize the chance of reaching the groups of interest.

Sample sizes were designed to deliver an estimated sampling precision with a statistical power of 0.80 to discriminate with 95% confidence between groups if four-month seasons were defined and used (a uniform standard deviation of 3.50 was used in these calculations). The combined four-month period was originally chosen *a priori* for design purposes. A single month is the minimum time frame used, since it was felt that the data might reveal seasons different than the *a priori* seasons described in the original proposal. The "seasons" were originally defined as summer (July to October), winter (November to February), and spring (March to June). To provide maximum flexibility in examining seasonal variation, independent samples were selected for each month of the year. The samples were further stratified across two years for two reasons: 1) to smooth out any inter-year variation and 2) to expense data collection within the annual funding cap.

Since analysis would be at the month level, the calculated sample size for any given month was divided between the month in Year 1 and the same month in Year 2. This is a rectangular sample design in that the number of interviews would be completed for each of the three race/ethnic groups per month for both the general population and for the low-income population. The original calculation based on the hypothetical four-month season was for 660 completed interviews per race/ethnic group per month. This is 165 interviews per month, each month divided over two years (for example, one half in November 2000 and the other

half in November 2001) so that 83 interviews (rounded up) are collected for each of the four months in Year 01 and the same number per month in Year 02. This calculated number allows for discrimination down to 0.55 servings using a standard deviation from the 1999 CDPS of 3.5 servings for all groups for the hypothetical four-month season. Examining groups by combining all 12 months (n=1,980) would have still greater discrimination (less than one-third of a serving).

Due to the higher cost per case in obtaining low-income race/ethnic-specific interviews, the goal for all three low-income groups was set to be 400 interviews per hypothetical four-month season. At the same confidence level and power (95% and 0.80), 400 cases discriminates differences greater than 0.69 servings. For 12 months of data combined, an *n* of 1,200 cases will discriminate differences greater than 0.4 servings. This is a monthly sample size of 51 cases per month per year for each of the three low-income race/ethnic groups.

Most CDPS data collected in the past cover the above so-called summer months of July through October. The general population survey has never been collected in the December through May period with the exception of the last two days in May during the very first CDPS in 1989. Some African-American over-sample cases have been collected as late as November (the 1999 CDPS).

The sample provides an identical snapshot of the California population and the sub-groups of interest inside of each month. It is important to note that an individual case may be used to satisfy different sample size objectives. For example, a low-income African American case located in the general population random-digit dial (RDD) survey is used in a) the general population estimate, b) the low-income population estimate, and c) the African-American estimate. Individuals located through the targeted over-samples are only used for their group member estimates.

The data collection instrument used in this study is the fruit and vegetable intake module of the CDPS. Also included are the five language-based acculturation questions asked of all Latino respondents (see Study Questionnaire, Appendix I). Descriptive, self-reported demographic data are collected to define gender, education, race/ethnicity, and income.

SF3 test design

The SF3 questions are implemented in half of the study population by random selection. Using the short form in only half of the sample allows for measuring and adjusting for any potential testing effect of placing these questions ahead of the CDPS module. Placing it after the module, however, would be counterproductive since the CDPS module walks each respondent through each meal on the previous day and details specific servings consumed. This would greatly influence the SF3 response toward a higher level of agreement with the module and result in overstating the agreement of the SF3 estimates.

CDPS protocols and methods

The protocols used in the data collection are identical to those used for all previous CDPS methods. The interviewer training is also identical (see Interviewer Training Manual, Appendix II). The data are collected and the sample managed using CATI (Sawtooth©) technology.

Modified USDA food codes were updated as part of this project. The data collection vendor converted all reported fruit and vegetables to numeric codes. This is identical to the data processing done for the CDPS. Also, similar computer code developed for the CDPS is used to construct the number of servings for the reported fruit and vegetables.

The short form results are the direct reported number of servings for fruit and for vegetables and a total. The five acculturation questions sum to a score dichotomized at a point defining high and low acculturation.

Data Collection

Data collection was conducted using CATI methods. Forty interviewers were trained, ten of whom were bilingual Spanish-English. Each month's sample was administered so that 80% of the cases were collected during the first three weeks of the month and the balance of the cases, including hard-to-reach cases and any remaining refusal conversions, occurred in the final week of the month. The objective was to have the interviews spread as evenly as possible over the entire month and all cases in the sample for a given month completed within that month. If any month fell short of the target number of cases in Year 1, the difference was made up in the same month in Year 2. To accomplish this, sample management in Year 2 was very exacting. Each month's cases were the result of an independently drawn, random sample of California households. Respondents were then randomly selected from among all eligible respondents in the household. Thus, this is a two-stage random sample design. Only the selected respondent would or could be interviewed. Interviews were conducted in either English or Spanish at the preference of the respondent. At least one subsequent refusal-conversion attempt was made in households that refused to participate. At least nine contact attempts were made on each selected telephone number.

Interviews were completed between November 1, 2000 and October 31, 2002. The average interview took 9.4 minutes to complete. This is just under the 10 minutes originally planned and budgeted. Of the 8,614 completed interviews, 1,249 (14.5%) were completed in Spanish. The overall response rate* was 26.5% for the general population survey, the refusal rate* was 5.6%. These rates were computed by the data collection vendor based on their available disposition coding scheme. Inadequate tracking of disposition codes by the vendor for the targeted and low-income samples made response rate calculations unreliable for these groups. This makes all disposition codes suspect and may account for the lower than expected general population response rate. The data file of final cases was cleaned by the vendor and the fruit and vegetable codes added to the recorded fruit and vegetables in each data record. The data collection vendor's final report is included in Appendix III.

Raw Data File

An SPSS data file of 8,614 cases was delivered from the data collection vendor with an annotated survey instrument provided as the data dictionary. Although some variables in this raw data file were not fully documented in this first product, the vendor subsequently documented them.

Dropped Cases

It was necessary to drop 71 cases from the data file. This is less than 1 percent (0.82%) of the delivered number of 8,614 cases leaving 8,543 cases for analysis purposes. There were three primary reasons to drop cases: 1) duplicates, 2) indeterminate race, and 3) errors in recording the number of servings of fruit and vegetables. These are described below.

Duplicates

There were 8 cases found to be duplicate records and dropped.

Indeterminate Race

All records were identified with a given year and month of data collection as specified by the sample design. Additionally, race/ethnicity had to be captured so that a case could be properly allocated to its correct race/ethnicity cell in the sample design. Each record was examined to confirm that the race/ethnic coding was properly captured and all upcoding performed by the vendor was accurate. Including refusals and persons of mixed race improperly assigned to a single race by the vendor, 40 cases had to be dropped due to an indeterminate race.

Recording Errors

The number of servings of fruit and of vegetables as reported by the respondent and entered by the interviewer was examined for what would be considered as unbelievable amount for a single meal/snack (for example: 14 servings of apple, 20 servings of grapes, 13 servings of vegetable soup, 11 bananas at one meal). These cases included possible key entry error on the part of the interviewer (for example, 11 instead of 1) or misconceptions of serving sizes by the respondent (for example, one grape is one serving). Thus, 23 cases were dropped due to suspected errors in number of servings after removing duplicate and indeterminate race cases.

Sample Sizes

The total number of 8,543 cases is distributed between two files called **File-1** and **File-2**. Each case is identified, based on respondent self-report, as White, African American, Latino, or Other (including refusals). In addition, records are identified with their method of sampling. The methods used were:

- General random-digit dial (RDD) sample (**General RDD**);
- RDD sample geographically targeted and screened for persons who are either African American or Latino (**Targeted RDD**); and,
- Geographically targeted (also RDD) sample screened for persons who meet two criteria: being in a low-income household (earning $25,000 or less per year) and being White, African American, or Latino (**Targeted Low Income**).

These files are not mutually exclusive. Respondents who are White, African American, or Latino in either the General RDD or the Targeted RDD samples in File-1 and who are living in households with incomes of $25,000 or less per year are also included in File-2. File-1 consists of 3,270 cases from General RDD and 3,380 cases from Targeted RDD for a total of 6,650 cases. File-2 consists of 1,893 cases from Targeted Low Income plus 2,138 low-income cases from File-1 for a total of 4,031 cases. The distribution of these cases plus their race/ethnic allocations is shown in Exhibit 5. This is further broken down by year and month in Appendix IVa and Appendix IVb.

Exhibit 5.
Sample sizes by file type, sampling source, and race/ethnicity

	File 1			File 2			
	General Population			Low Income (<$25k/yr HH)			
Race/ethnicity	General RDD	Targeted RDD	General Population RDD Total	LI from Gen Pop RDD	Targeted Low Income	Low Income Total	
White	2,049		2,049	317	941	1,258	
African American	177	1,961	2,138	781	481	1,262	
Latino	656	1,419	2,075	1,040	471	1,511	
Other+Refused	388		388				
Totals	3,270	3,380	6,650	2,138	1,893	4,031	
							Grand Total
Unique Records	3,270	3,380			1,893		8,543

Fruit and Vegetable Coding

As done in the CDPS, interviewers entered the actual fruit, vegetables, salad ingredients, and the fruit and/or vegetable mixed dishes reported by respondents. These standardized entries were post processed by the data collection vendor using programming that read and converted these alpha entries to the numeric codes used by the CDPS. These codes are based on, although not identical to, USDA food codes. These codes had been updated during the course of this study using the 2001 CDPS data. This work was done by one of this study's research assistants who was also a registered dietitian (Ms. Lissa Yuen Ong, RD, MPH) and was reviewed by the principal investigator in collaboration with Public Health Institute staff (Michelle Oppen, MPH, CHES) who works with the CDPS for the California Department of Health Services. (See list of code in Appendix V.)

Computation of Reported Servings

The number of servings of fruit and vegetables was recorded by interviewers as whole numbers. Respondents reported a serving size as what is "usual" for them. All reports of a half a serving or greater were rounded up to the next whole number. For all amounts greater than one serving where the respondent reported more than the whole number, but less than an additional half serving (for example, one and a third servings), the number was rounded downward. The exception is when the amount reported was less than one-half serving. In this instance, the interviewer entered a zero. This is particularly true for such items as lettuce and tomato on a sandwich or on a taco (see Training Manual in Appendix II for guidelines). This is consistent with the CDPS. This study differs from the CDPS in one respect. The analysis of the CDPS data recodes the zero entries as quarter servings, while this study did not. It is the opinion of both the authors that the relative relationship among the groups studied and among months sampled remains unchanged when not recoding the zero entries, thus the data are still valid for purposes of this study's objectives.

An examination of the number of reported servings revealed, as expected, cases with unusually high numbers of servings. After cases with likely recording errors are dropped (see previous section), it is generally accepted to top code outlier cases. Consuming a high number of servings of fruit and vegetables may not be unusual, particularly for vegetarians. However, to minimize the impact of these outlier cases on the computed mean values and variance calculations, it is typical to top code these cases to a determined value. Initially, we

explored computing outlier cutoff values using the same method employed by diet researchers at the National Cancer Institute (NCI) in their work with National Health Interview Survey data.* The method involves identifying the first and third quartile (Q1 and Q3) in the study's data distribution. This is done independently for fruit and for vegetables after transforming the variable by using the square root of the number of servings. Outliers are then identified with the following formula where the maximum value for *X* is based on the quartile values of the square-root transformed variable (Q_t):

$$X_{max} > Q_t3 + 2*(Q_t\ 3 - Q_t\ 1). \qquad 1.0$$

The maximum value for the total number of servings of fruit and vegetables combined is computed to be 20.43 servings, rounded down to 20 servings. However, the CDPS has, with experience of over a dozen years, top coded the number of servings of fruit and the number of servings of vegetables each at 10.0 servings. Following that convention and thus staying consistent with CDPS, all outlier cases for servings of fruit and for vegetables in this study were top coded at 10 servings. No case can thus exceed 20 servings of fruit and vegetables combined, and this is, coincidentally, the same number of servings computed earlier following the NCI method.

Only 39 cases needed to be top coded to 20 servings. The individual fruit and vegetable items for all 39 cases were examined carefully to make sure that they consisted of believable number of servings, albeit large numbers reported, and all 39 were accepted to remain part of the data file for analysis.

Methods of Analysis

Seasonality – the model

The data were analyzed using analysis of variance techniques (ANOVA) using SPSS for UNIX (Release 6.14) running on a Sun operating system. Because the sample is stratified by year (Year-1, Year-2) and by month (November through October of each year), three independent variables (x) in the ANOVA equation are Year, Month, and a Year-Month interaction term.

$$y = \alpha + \beta_1 x_{\text{year}} + \beta_2 x_{\text{month}} + \beta_3 x_{\text{year}\cdot\text{month}} + e \qquad 2.0$$

Dependent variables used (y) are the total number of servings of fruit and vegetables (Totalfv), the total number of servings of fruit (Totalfrt), and the total number of servings of vegetables (Totalveg). These analyses were run for the two components of File-1 (the General RDD group and the Targeted RDD group) and also run for File-2 (the Low-Income group). These analyses test whether or not the two years can be combined (i.e., no significant year-month interaction), so as to interpret the month variable using data from both years for each month. Where no significant interactions are found, variation among months can be directly interpreted. The ANOVA procedure is similarly used for analyses of each race/ethnic group (White, African American, and Latino) for both File-1 and File-2.

If month was found to be significant, differences between individual months were followed up using the Tukey HSD test at a 5% procedure-wise error rate. Although differences between individual months are informative, conclusions for this study are based on the ANOVA results.

P-values less than 0.05 are considered statistically significant in this study. P-values from 0.05 to 0.08 are reported in the results, since these values may be considered to *approach statistical significance* and thus are presented for the reader's benefit.

Latino Acculturation

This ANOVA model was also used to examine high and low levels of acculturation among Latinos. Acculturation was measured using five questions in a language-based acculturation scale producing a dichotomized high-low categorization.[6]

Weighted Conclusions

The General RDD sample in File-1 was weighted to 1990 Census data for California adults using race, age group, and gender dimensions to emulate the standardized weighting of the CDPS surveys—all of which were weighted to the 1990 Census. Average numbers of servings were computed for comparative purposes as was done with CDPS. Weighting within each of the three race/ethnic groups within each month's sample, the ANOVA model was used to examine the year-month interaction term and variation among months for White, African American, and Latino groups. This last analysis produced the conclusions for this study with regard to seasonality in fruit and vegetable intake.

Short Form (SF3) Analyses

As part of a nested design, three brief questions were asked to a randomized subset of survey respondents to see how well these might perform compared to the longer, more complex set of CDPS recall questions. This short form of the intake questions are referred to in this study as the "SF3." For this analysis of the SF3, approximately 57% of the File-1 sample was used due to prior random allocation. These respondents were administered the SF3 questions ahead of the usual CDPS dietary intake questions. The SF3 captured the following: the number of servings of fruit not including 100% fruit juices (question R1, n=1,854); the number of servings of 100% fruit juice (question R1A, n=1,862); the number of servings of vegetables (question R2, n=1,849); and, the total number of servings of fruit and vegetables (the sum of the three questions: R1, R1A, and R2, n=1,840). Analyses were performed comparing each respondent's SF3 answers and the respondent's corresponding number of servings calculated from the CDPS intake responses. The initial analytical step examined Pearson correlations to see if they were positive and relatively high for this type of measurement (>0.5). If true, results were then examined using a paired t-test to see if there was any consistent bias in the relationship between the SF3 and the CDPS questions. Paired t-tests were performed using a two-tailed significance level of 0.05.

Seasonality Results

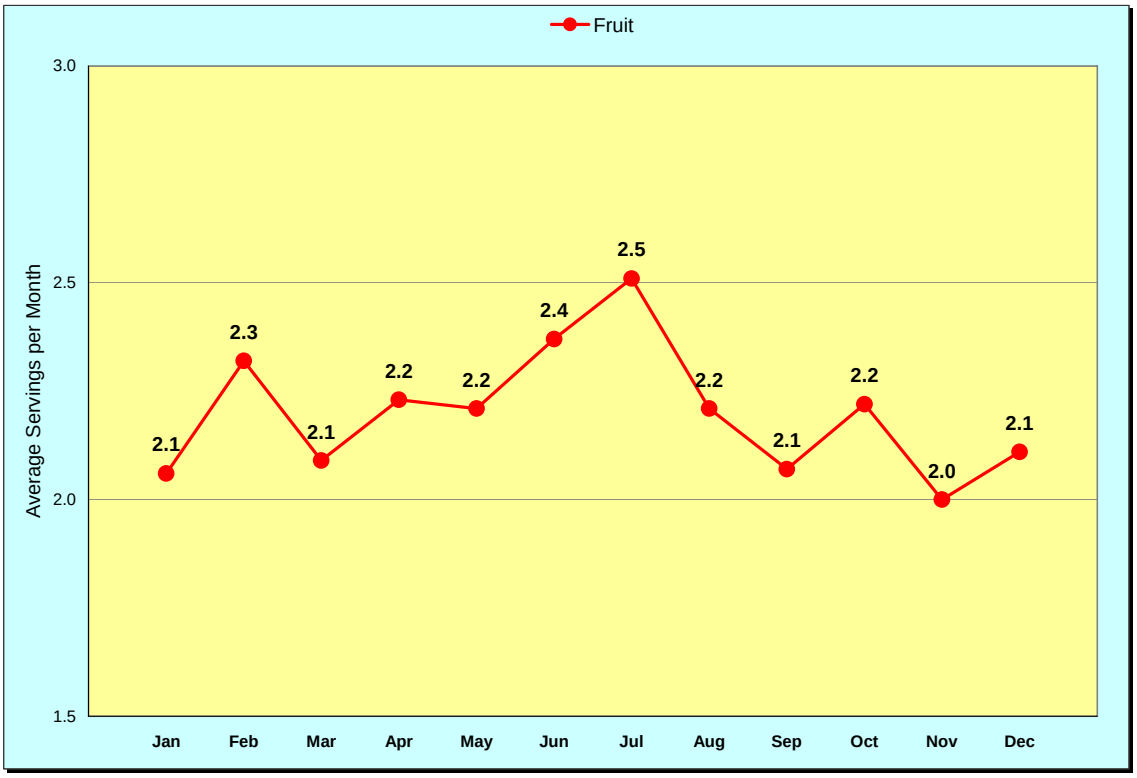
Looking at the 6,650 cases in File-1 (all incomes) and the 4,031 low-income cases in File-2 (Exhibit 6), the year-month interaction is significant for the total servings of fruit and vegetables for File-1 ($p<.05$) and File-2 ($p<.05$). In File-1 this is not the case for servings of fruit ($p=.057$). The observed pattern of servings of fruit intake seen in Exhibit 7 shows the month of July with the highest intake at 2.5 servings and November with the lowest intake at 2.0 servings. Since the year-month interaction is significant for servings of vegetables ($p<.05$), a direct interpretation of the monthly variation is not possible. In File-2 there is significant year-month interaction for both servings of fruit ($p<.01$) and vegetables ($p<.01$). These findings indicate that the patterns of intake across the 12 months is different for each of the two years of data collection (with the exception of fruit in File-1), and thus it is not feasible to combine the monthly samples from these two years to interpret variation (seasonality) among the months using *all* the cases in each file.

Exhibit 6.
Results of variation among months by race/ethnic income group for total servings of fruit and vegetables, for fruit, and for vegetables (based on F-test p-values)

Group (n)	Fruit & Vegetables		Fruit		Vegetables	
	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months
All incomes (File-1 n=6,650)	<.05	--	0.057*	0.001	<.05	--
Low income (File-1 n=4,031)	<.05	--	<.01	--	<.01	--

ns = Not Significant, p-values of 0.05 or greater
** Not considered statistically significant.*
-- Cannot be directly interpreted due to significant year-month interaction.

Exhibit 7.
Average number of servings per month for fruit in the General RDD sample

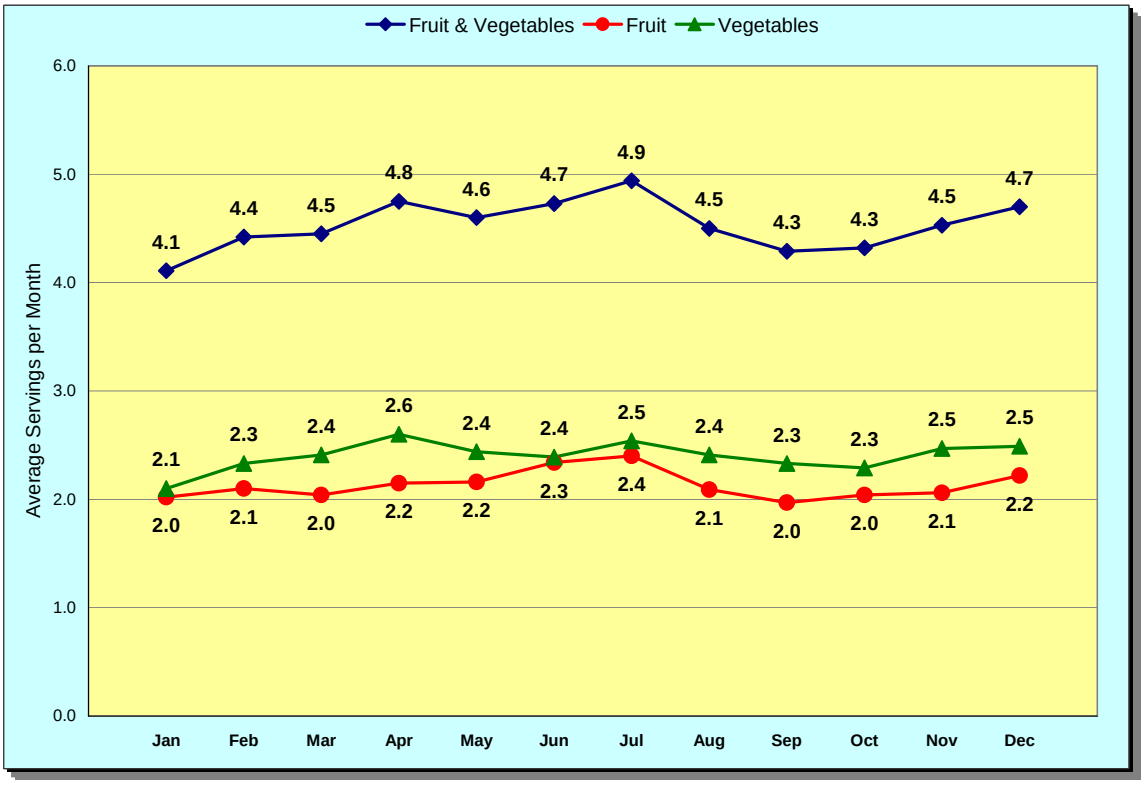


Note: All data values are rounded to the nearest tenth of a serving.

The General RDD component of File-1 (n=3,270), a sample that does not have any race/ethnic over-samples included and thus very much like the CDPS general population sample, has no significant year-month interaction for the total servings of fruit and vegetables. This is also true, as might be expected, for the servings of fruit and the servings of vegetables, separately. Thus, it is the Targeted RDD component of File-1 (n=3,380) consisting of the "all-incomes" over-samples of Latinos and African Americans where significant interaction is found for total fruit and vegetables ($p<.05$), total fruit ($p<.05$), and total vegetables ($p<.01$). Given the findings for the General RDD component, the pattern of intake across the 12 months is not significantly different for each of the two years of data collection, and therefore, it is possible to combine the monthly samples from these two years to interpret variation (seasonality) among the months. However, the significant year-month interaction for the Targeted RDD component precludes a direct interpretation for the "all-incomes" over-samples of Latinos and African Americans.

The results for variation among months in the General RDD sample suggest that there is no significant difference among months for the total servings of fruit and vegetables. However, the p-value is exactly 0.05 and is right on the boarder of being statistically significant. Variation among months for the total servings of fruit and for the total servings of vegetables are each not significant. Exhibit 8 shows the average number of servings per month for each of the twelve months of the year for total fruit and vegetables, for fruit, and for vegetables in the General RDD sample after combining the data for Year-1 and Year-2. These results and monthly patterns in the General RDD sample are virtually unchanged even after controlling for race, ethnicity, and gender (data not shown).

Exhibit 8.
Average number of servings per month for total fruit and vegetables, for fruit, and for vegetables in the General RDD sample



Note: All data values are rounded to the nearest tenth of a serving.

Since the sample is designed to examine fruit and vegetable intake for Whites, African Americans, and Latinos, results are generated for each in both File-1 (i.e., the all-incomes group) and File-2 (i.e., the low-income group). Exhibit 9 shows the results of the ANOVA F-tests, looking first if any year-month interaction exits, and if none exists, looking for significant variation among months as an indication of seasonal effects.

No seasonality is found for Whites when looking at all income levels (File-1) for total fruit and vegetables, or for fruit and vegetables separately. This is true for low-income Whites (File-2) for servings of fruit and for servings of vegetables, but significant year-month interaction for the total number of servings of fruit and vegetables precludes any direct interpretation of monthly variation. No seasonality is found for African Americans when looking at all income levels for the total of fruit and vegetables or for fruit and vegetables separately (this analysis is with all File-1 cases, including the Targeted RDD African American over-sample). This finding is also true for low-income (File-2) African American, with the exception of significant monthly variation for servings of fruit ($p<.05$).

Exhibit 9.
Results of variation among months by race/ethnic income group for total servings of fruit and vegetables, for fruit, and for vegetables (based on F-test p-values)

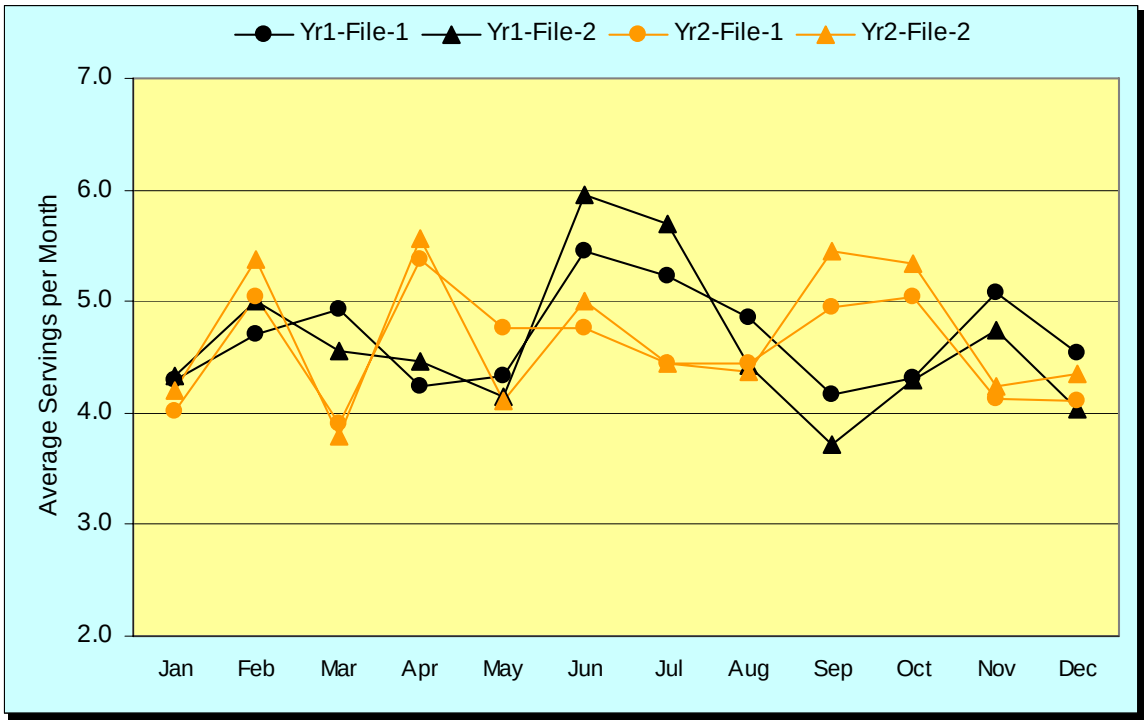
Race/ethnicity and income group (n)	Fruit & Vegetables		Fruit		Vegetables	
	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months
White						
All-incomes (2,049)	ns	ns	ns	ns	ns	ns
Low-income (1,258)	<.05	--	ns	ns	ns	ns
African American						
All-incomes (2,138)	ns	ns	ns	.082*	ns	ns
Low-income (1,262)	ns	ns	ns	<.05	ns	ns
Latino						
All-incomes (2,075)	<.01	--	<.05	--	<.01	--
Low-income (1,511)	<.05	--	<.05	--	<.01	--

ns = Not Significant, p-values of 0.05 or greater
** Not considered statistically significant.*
-- Cannot be directly interpreted due to significant year-month interaction.

It is not possible to interpret directly the results either for Latinos of all-incomes (File-, including the Latino over-sample) or for File-2 low-income Latinos, since there is significant year-month interaction for the total of fruit and vegetables as well as for fruit and vegetables separately. An examination of the monthly pattern for Years 1 and 2 separately shows each year to be very different; however, the pattern within each year is similar for the Latinos in File-1 and in File-2. The very different patterns for each of the years (for servings of total fruit & vegetables, for fruit, and for vegetables) are the cause for the significant year-month interaction. To demonstrate this, the pattern for the total number of servings of fruit and

vegetables for Year 1 and Year 2 and for File-1 and File-2 Latinos is shown in Exhibit 10. Observe that March and April, June and July, and September, October, and November appear different between the two years. There is no explanation for these different patterns.

Exhibit 10.
Monthly pattern of the average number of servings per month for total fruit and vegetables for File-1Latinos (all incomes) and File-2 Latinos (low-income) for Year 1 and Year 2



Note: The data value for each point is not printed to space constraints.

When looking only at the low-income cases found in File-1, the picture changes slightly (see Exhibit 11). For low-income Whites, no year-month interaction is now detected as it was shown when looking at all income Whites. This is also true for servings of fruit for low-income African Americans. (If interactions existed for low-income Whites (n=317) or African Americans (n=781), they may be harder to detect given the smaller sample sizes of these low-income groups.) A year-month interaction for total fruit and vegetables is also not detected. For both Whites and for African Americans (n=781), no variation among months is found for the total servings of fruit and vegetables or for fruit and vegetables separately. For Latinos, with a large sample size of 1,040, year-month interaction for total fruit and vegetables is not detected and no significant variation among months is found for the total servings of fruit and vegetables (p=.054). However, significant variation among months is found for servings of fruit. Exhibit 12 shows the observed highest months of fruit intake to be

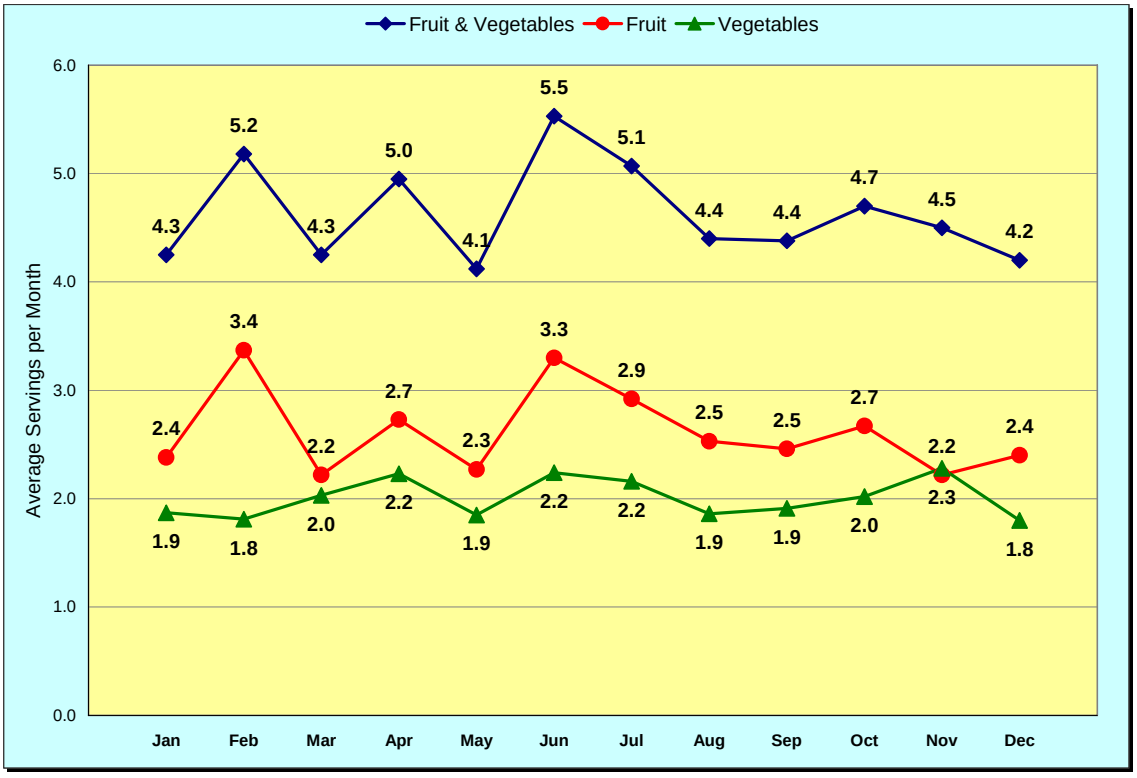
February and June with the lowest observed months to be March, May, and November. It is not possible to easily determine variation among months for the servings of vegetables due to significant year-month interaction (p<.01).

Exhibit 11.
Results of variation among months for File-1 low-income cases by race/ethnic group for total servings of fruit and vegetables, for fruit, and for vegetables (based on F-test p-values)

Low-Income Cases from File-1	Fruit & Vegetables		Fruit		Vegetables	
	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months
White (317)	ns	ns	ns	ns	ns	ns
African Amer. (781)	ns	ns	.056*	ns	ns	ns
Latino (1,040)	.080*	.054*	ns	<.01	<.01	--

ns = Not Significant, p-values of 0.05 or greater
** Not considered statistically significant.*
-- Cannot be directly interpreted due to significant year-month interaction.

Exhibit 12.
Average number of servings per month among the low-income Latinos in the General Population (File-1) sample for total fruit and vegetables, for fruit, and for vegetables



Note: All data values are rounded to the nearest tenth of a serving.

To gain additional insight into the low-income Latino patterns, the data are examined by the two levels of Latino acculturation: high and low. Exhibit 13 shows that there is no significant variation among months for Latinos with high acculturation whether the data are examined for all incomes (File-1), or for those with low-income. Among Latinos with low acculturation, however, it is not possible to easily interpret the data for the all-incomes groups due to significant year-month interaction ($p<.05$). For the low-income, low-acculturation Latinos, there is no significant variation among months for total fruit and vegetables ($p=.063$). For servings of fruit, both the all-incomes and low-income Latinos show significant variation among months if they are low acculturated.

Exhibit 13.
Results of variation among months by Latino acculturation levels for total servings of fruit and vegetables, for fruit, and for vegetables (based on F-test p-values)

Race/ethnicity and income group (n)	Fruit & Vegetables		Fruit		Vegetables	
	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months
High Acculturation						
All-incomes (870)	ns	ns	ns	ns	ns	ns
Low-incomes (252)	ns	ns	ns	ns	ns	ns
Low Acculturation						
All-incomes (1,204)	<.05	--	ns	<.01	<.01	--
Low-incomes (788)	ns	0.063*	ns	<.01	<.01	--

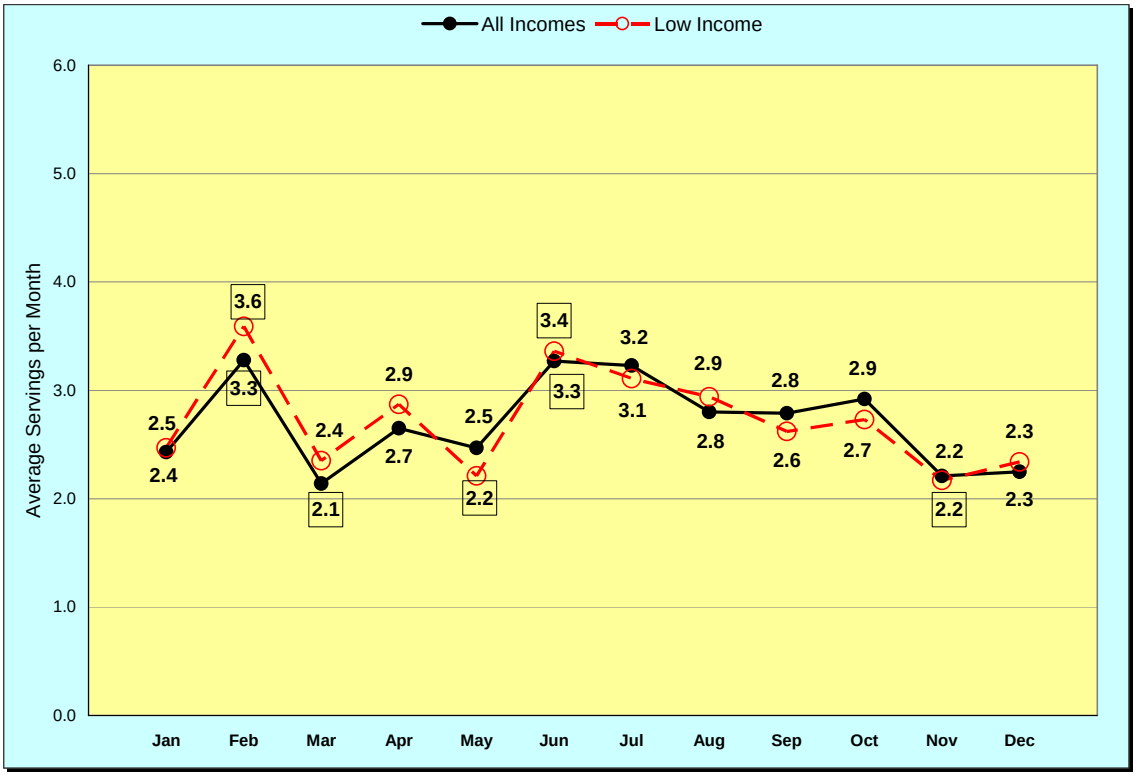
ns = Not Significant, p-values of 0.05 or greater

** Not considered statistically significant.*

-- Cannot be directly interpreted due to significant year-month interaction.

Exhibit 14 shows the observed average servings of fruit per month for low-acculturation Latinos in the all-incomes group (File-1) and the low-income group (File-2). The months of February and June show the highest averages, while March, May, and November show the lowest averages of fruit intake. These observations for individual months for both low-income acculturation groups are the same as seen in Exhibit 11 for all low-income Latinos regardless of acculturation level.

Exhibit 14.
Average number of servings per month for total fruit in the low-acculturation Latino sample for the All-Income and Low-Income groups



Note: All data values are rounded to the nearest tenth of a serving.

The CDPS data for the eight bi-annual surveys conducted since 1989 are each weighted to the 1990 Census for California. The cases are weighted for gender, age group, and race dimensions. Since the General RDD sample in this study is similar to the CDPS general population sample, i.e., it includes the entire adult population (adults of all races), this study's General RDD sample data have been weighted using the identical weighting approach used in

the CDPS. In Exhibit 15, using the weighted General RDD sample data (weighted sample sizes are shown), no two groups are statistically different from each other.

Exhibit 15.
Average number of servings of total fruit and vegetables by race/ethnic group in the weighted* General RDD sample

Race/Ethnicity *(weighted n)*	**Average Number of Servings**	**SD**	**95% CI**
White (1,990)	4.5	± 2.7	(4.4 - 4.6)
African American (222)	4.6	± 3.4	(4.1 – 5.0)
Latino (669)	4.6	± 3.0	(4.3 - 4.8)
Overall (3,270)	4.5	± 2.8	(4.4 - 4.6)

** weighted to 1990 Census data according to CDPS methods; groups are proportional to overall population*

SD = standard deviation CI = confidence interval

Exhibit 16 shows the average number of servings of fruit for each of the race/ethnic groups. No difference is detected between Whites (2.0 servings) and African Americans (2.3 servings) or between African Americans and Latinos (2.4 servings). However, Latinos consume a statistically higher average number of servings than do Whites, 2.4 vs. 2.0, respectively (Tukey-HSD; alpha=0.05).

Exhibit 16.
Average number of servings of fruit by race/ethnic group in the weighted* General RDD sample

Race/Ethnicity *(weighted n)*	**Average Number of Servings**	**SD**	**95% CI**
White (1,990)	2.0	± 1.8	(1.95 – 2.1)
African American (222)	2.3	± 2.4	(2.0 – 2.7)
Latino (669)	2.4	± 2.1	(2.2 – 2.6)
Overall (3,270)	2.1	± 2.0	(2.05 – 2.2)

** weighted to 1990 Census data according to CDPS methods; groups are proportional to overall population*

SD = standard deviation CI = confidence interval

Exhibit 17 shows the average number of servings of vegetables for each of the race/ethnic groups. No difference is detected between Whites (2.5 servings) and African Americans (2.2 servings) or between African Americans and Latinos (2.2 servings). However, Latinos consume a statistically lower average number of servings than do Whites, 2.2 vs. 2.5, respectively (Tukey-HSD; alpha=0.05).

Exhibit 17.
Average number of servings of vegetables by race/ethnic group in the weighted* General RDD sample

Race/Ethnicity *(weighted n)*	**Average Number of Servings**	**SD**	**95% CI**
White (1,990)	2.5	± 1.7	(2.4 – 2.53)
African American (222)	2.2	± 2.0	(2.0 – 2.5)
Latino (669)	2.2	± 1.9	(2.0 – 2.3)
Overall (3,270)	2.4	± 1.8	(2.3 – 2.44)

** weighted to 1990 Census data according to CDPS methods; groups are proportional to overall population*

SD = standard deviation CI = confidence interval

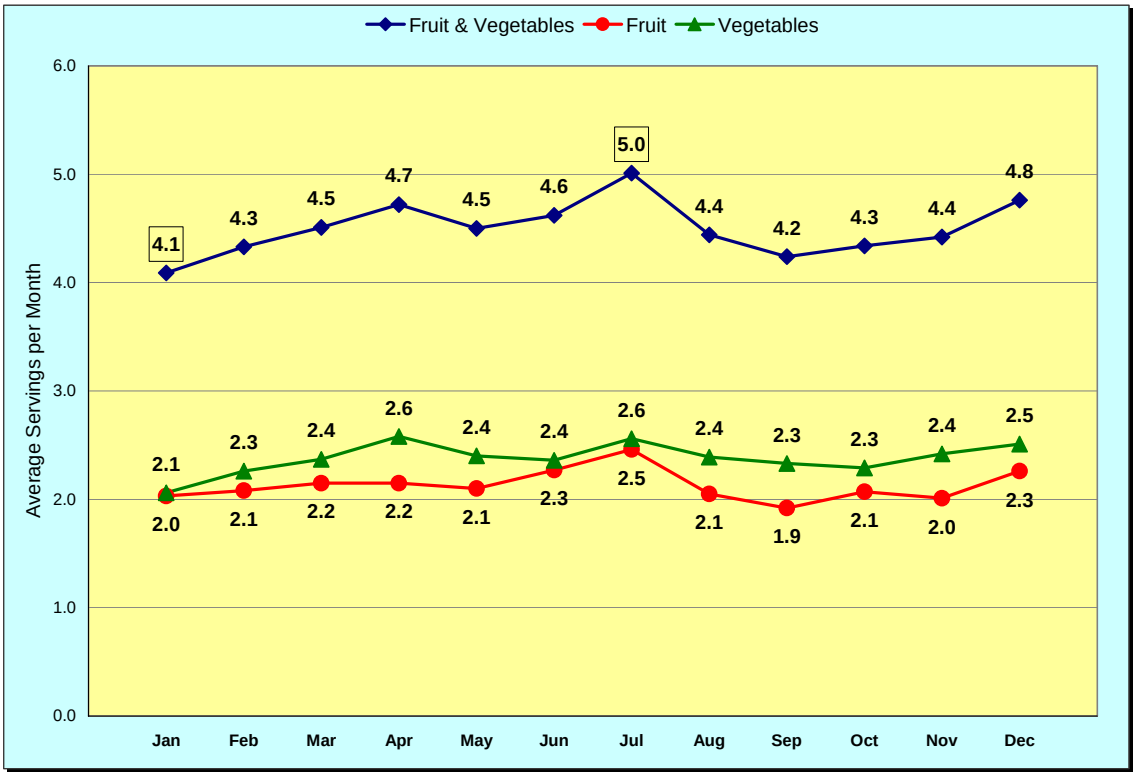
In an examination of the variation among months, Exhibit 18 shows the results for the overall population of all adults as well as the results for Whites, African Americans, and Latinos. Among all adults, variation among months is found to be significant ($p<.05$) for the total servings of fruit and vegetables consumed. However, this variation is not significant either for servings of fruit alone or for servings of vegetables alone. Exhibit 19 shows the monthly averages across the year. It is found that the average number of servings for total fruit and vegetables in the month of July (5.0 servings) is significantly higher than the number of servings in January (4.1 servings), a difference detectable due to the relatively large sample size. However, July is found to be not significantly higher than any other month in the year. There is no significant variation among months found either for servings of fruit or for servings of vegetables for the adult population.

Exhibit 18.
Results of variation among months for total servings of fruit and vegetables, for fruit, and for vegetables for all adults and for race/ethnic groups (based on F-test p-values)

Group (within-group weighted n)	Fruit & Vegetables		Fruit		Vegetables	
	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months	Year-Month Interaction	Variation among months
All Adults (3,270)	ns	<.05	ns	ns	ns	0.088*
White (2,049)	ns	ns	ns	ns	ns	ns
African Amer. (177)	ns	<.05	ns	ns	ns	<.05
Latino (656)	ns	ns	ns	ns	ns	ns

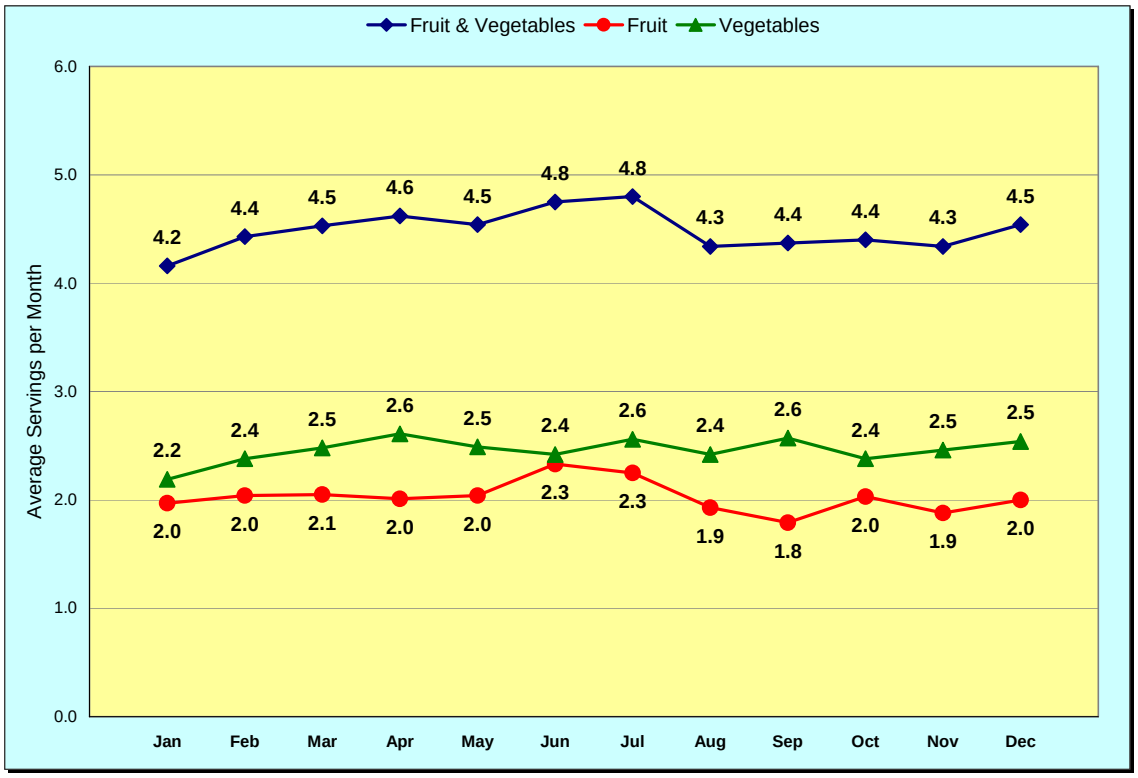
ns = Not Significant, p-values of 0.05 or greater
** Not considered statistically significant.*

Exhibit 19.
Average number of servings per month for total fruit and vegetables, for fruit, and for vegetables for all adults (weighted data)



Note: All data values are rounded to the nearest tenth of a serving.

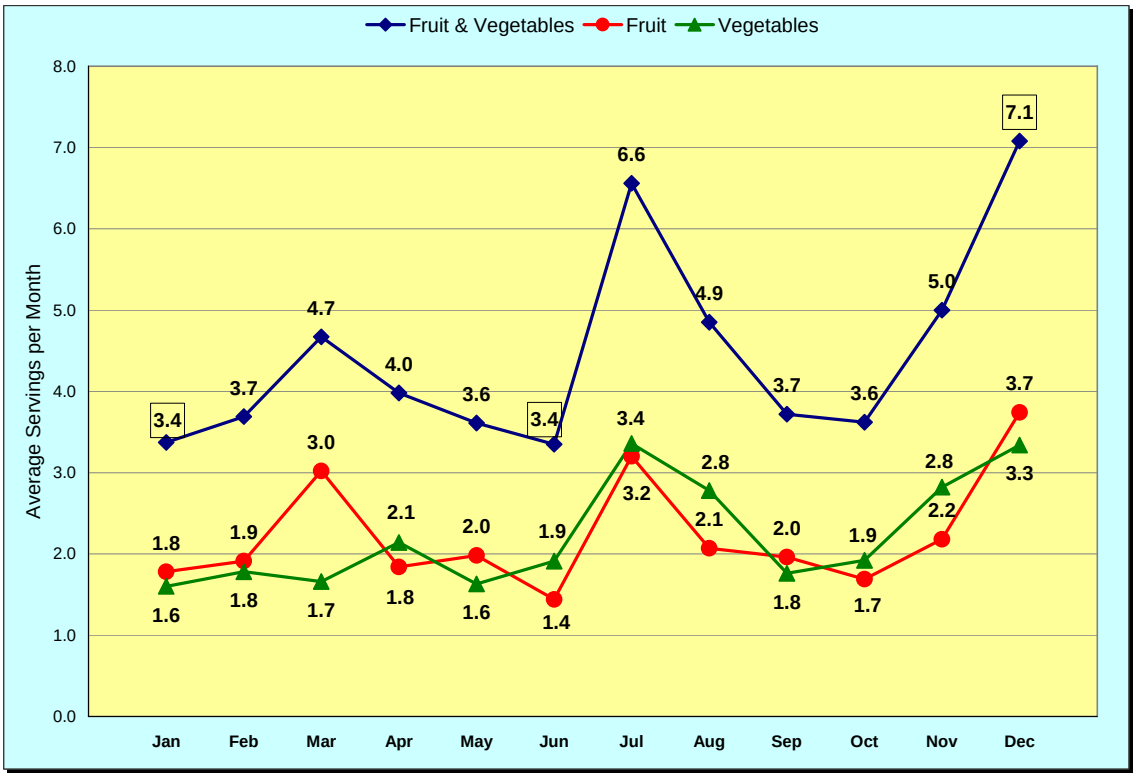
Exhibit 20.
Average number of servings per month for total fruit and vegetables, for fruit, and for vegetables for Whites (weighted data)



Note: All data values are rounded to the nearest tenth of a serving.

Exhibit 21.

Average number of servings per month for total fruit and vegetables, for fruit, and for vegetables for African Americans (weighted data)



Note: All data values are rounded to the nearest tenth of a serving.

For Whites, there are no significant differences in the variation of number of servings among months for the total of fruit and vegetables or for either fruit or vegetables alone. The observed monthly patterns for Whites are shown in Exhibit 20.

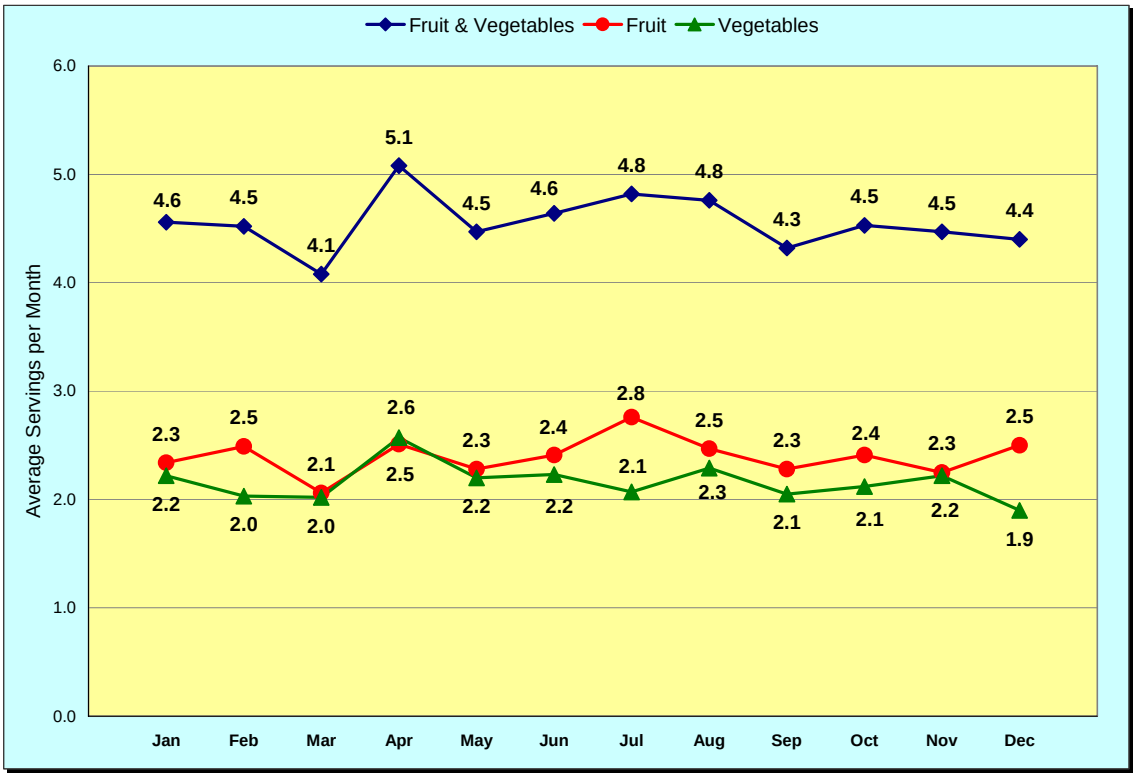
African Americans show significant variation among months for the number of servings of total fruit and vegetables ($p<.05$) and for servings of vegetables ($p<.05$). Despite the pattern for servings of fruit being very close to that of vegetables, no significant difference is detected for servings of fruit ($p=.23$). Exhibit 21 shows the wide variation observed among the months of the year. Even with the smaller African American sample, significant differences between individual months for total servings of fruit and vegetables are seen, with the month of December (7.1 servings) higher than June and January (3.4 servings each) and none of the other months being different from each other. Although the variation among months for servings of vegetables is found to be significant, the follow-up procedure (Tukey-HSD) could not detect any significant differences between individual months. The small African-

American sample, 177 cases distributed over 12 months (sample sizes per month range from 23 down to 8), needs to be considered when interpreting these findings.

Latinos show no significant differences in the variation of number of servings among months for the total of fruit and vegetables or for either fruit or vegetables alone. The observed monthly patterns for Latinos are shown in Exhibit 22.

Exhibit 22.

Average number of servings per month for total fruit and vegetables, for fruit, and for vegetables for Latinos (weighted data)



Note: All data values are rounded to the nearest tenth of a serving.

Seasonality Conclusions

The large sample sizes used in this study reveal that patterns across the months of the year can differ from year to year, as indicated by the significant year-month interactions found for the overall samples of both File-1 and File-2. The strongest indication of any overall pattern is for the servings of fruit where the month of July is seen to have the highest intake (2.5 servings) compared to the month of November (2.0 servings). However, the monthly pattern for the *total servings of fruit and vegetables* is the measure of interest for *5 a Day*, and it was not possible with this study's data to examine total servings across months for the sum total of either File-1 or File-2 due to the significant year-month interaction.

The data do become more revealing when the three ethnic groups of interest (White, African American, and Latino) are examined individually. For the race/ethnic groups, the significant year-month interactions persist among low-income Whites and low-income Latinos and among the low-acculturation Latinos of all incomes. However, with these sample sizes there is no evidence of significant year-month interaction for African Americans and no significant variation among months for total servings of fruit and vegetables. This is seen for African Americans of all incomes as well as low-income African Americans. The same results are found for servings of vegetables. For servings of fruit, using all African-American cases in the low-income sample (n=1,262 in File-2), significant monthly variation is found even though the total number of servings of fruit and vegetables show no significant monthly variation. This finding makes the CDPS data from the recruited over-sample of African Americans in the later months of October and November less suspect in skewing the overall findings for African Americans when the over-sample from in these months are used in the CDPS analyses.

The sample sizes used in this study are larger than the comparable sample sizes in the CDPS. This study finds no significant year-month interactions for any of the three low-income race/ethnic groups for the total servings of fruit and vegetables. The implication in relation to the CDPS is a conclusion that there is no monthly variation and thus an undetectable seasonality effect for total servings of fruit and vegetables for low-income Whites, African Americans, and Latinos. This is also the same conclusion for all high acculturation Latinos, including those who are low-income. Results for low acculturation Latinos are inconclusive.

To examine seasonality for the California population in order to interpret findings relevant to CDPS, the results from the General RDD sample are used and the data are weighted in the identical fashion as the CDPS. In this analysis, significant variation is found among months for the total adult population for the total number of servings of fruit and vegetables. However, the significant variation is due to a significant difference between the month of July (5.0 servings) and the month of January (4.1 servings). Since July is found to be not statistically different from any other month in the year and since the CDPS is not conducted in the month of January, the implication for CDPS is that the seasonality found in this study has no effect on CDPS data. It also has no effect on interpreting CDPS results across years as long as the usual months of June-September or even October constitute the period for CDPS data collection. It is concluded that seasonality is not a factor for total adult population findings for the number of fruit and vegetables, for servings of fruit, or for servings of vegetables. This is also true for Whites and for Latinos. The same conclusion effectively can be drawn for African Americans, since the significant variation among months shows large intakes of total servings and of servings of vegetables in the month of December, a month that is excluded from the CDPS data collection period.

The overall conclusion is that there are no major month-to-month seasonality effects during the usual period of data collection for the CDPS (July-October) for the general population of adults, for Whites, African Americans, or Latinos, and all their low-income counterparts. This is the case for the number of servings of fruit and vegetables, for servings of fruit, and for servings of vegetables. A noteworthy caveat is that these findings suggest that the monthly patterns may be different from year to year. Since this study included only two years, there is insufficient evidence to confirm this finding. The observed differences may be due to chance events such as economic or supply circumstances occurring between November 2000 and October 2002 that may have influenced fruit and vegetable availability and consumption. A clue to this may be the observed predominate effect (significant year-month interaction) on the low-income samples when the largest sample sizes are used in the analysis. Interpretation of CDPS trend data since 1989 can eliminate seasonality as an explanatory factor if patterns of monthly variation from July though October are assumed to be the same from year to year.

Short Form (SF3) Results

The average number of servings for total fruit and vegetables shows good correlation (r=0.687) between the SF3 and the CDPS measures. For all adults, the SF3 estimates a mean value of 5.06 servings *versus* 4.70 using the CDPS method. The average difference among the cases analyzed is 0.37 servings, a positive difference that is statistically significant at p<.001. These data are shown in Exhibit 23, which also shows the direction of the difference for the SF3 as higher (↑) than the CDPS method for all adults in estimating the total number of servings of fruit and vegetables. The positive direction of this difference is consistent and significant for each of the three race/ethnic groups measured. The strongest correlation is seen among African Americans (r=0.790), with the largest average difference, 0.43 servings. Whites and Latinos have average differences of 0.32 and 0.37 servings, respectively.

Exhibit 23.
SF3 and CDPS comparison results for average number of servings of total fruit and vegetables for all adults and for race/ethnic groups

Group (n)	Average number of servings		Correlation	Average difference	SF3 direction	Significance (paired t-test)
	SF3	*CDPS*				
All Adults (1,840)	5.06	4.70	0.687	0.37	↑	*p<.001*
White (1,136)	5.03	4.71	0.684	0.32	↑	*p<.001*
African American (100)	4.69	4.26	0.790	0.43	↑	*p* <.05
Latino (372)	5.13	4.77	0.646	0.37	↑	*p<.01*

The average number of servings of fruit shows good correlation (r=0.69) between the SF3 and the CDPS measures. This is similar to the total number of servings of fruit and vegetables. For all adults, the SF3 estimates a mean value of 2.66 servings of fruit *versus* 2.23 servings using the CDPS method. The average difference among the cases analyzed is 0.43 servings, a positive difference that is statistically significant at p<.001. These data for servings of fruit are shown in Exhibit 24, which also shows the direction of the difference for the SF3 as higher (↑) than the CDPS method for all adults. The positive direction of this difference is consistent and significant for each of the three race/ethnic groups measured. The strongest correlations are seen among African Americans (r=0.745) and Whites (r=0.710). Average differences are somewhat similar among these three race/ethnic groups in the range of 0.40 to 0.43 servings of fruit.

Exhibit 24.
SF3 and CDPS comparison results for average number of servings of fruit for all adults and for race/ethnic groups

Group (n)	Average number of servings		Correlation	Average difference	SF3 direction	Significance (paired t-test)
	SF3	*CDPS*				
All Adults (1,853)	2.66	2.23	0.690	0.43	↑	*p<.001*
White (1,140)	2.56	2.16	0.710	0.40	↑	*p<.001*
African American (100)	2.54	2.12	0.745	0.42	↑	*p<.01*
Latino (376)	2.91	2.48	0.641	0.43	↑	*p<.001*

The average number of servings of vegetables shows a weaker correlation (r=0.527) than that for fruit between the SF3 and the CDPS measures. For all adults, the SF3 estimates a mean value of 2.40 servings of vegetables *versus* 2.46 servings using the CDPS method. The average difference among the cases analyzed is a very small -0.06 servings and is not significant. These data for servings of vegetables are shown in Exhibit 25, which also shows no difference in either direction (–) between the SF3 and the CDPS method for all adults. This finding of no significant difference is consistent for each of the three race/ethnic groups measured. The weakest correlation for servings of vegetables, r=0.436, is seen among Latinos. This is the weakest of all correlations computed in this study.

Exhibit 25.
SF3 and CDPS comparison results for average number of servings of vegetables for all adults and for race/ethnic groups

Group (n)	Average number of servings		Correlation	Average difference	SF3 direction	Significance (paired t-test)
	SF3	*CDPS*				
All Adults (1,849)	2.40	2.46	0.527	-0.06	–	ns
White (1,137)	2.46	2.55	0.547	-0.09	–	p=0.06
African American (100)	2.15	2.14	0.611	0.01	–	ns
Latino (377)	2.19	2.24	0.436	-0.05	–	ns

ns = Not Significant, p-values of 0.05 or greater

Short Form (SF3) Conclusions

Results comparing the SF3 with the CDPS method in measuring the number of servings of total fruit and vegetables show that the SF3 correlates positively and somewhat strongly (r=0.687). However, the SF3 was found to overestimate the number of servings of total fruit and vegetables by a little more than one-third of a serving (0.37 servings, p<.001). Among the three race ethnic groups studied, that overestimation is only slightly higher for African Americans (0.43 servings, p<.05). Since few surveys have sample sizes that can statistically differentiate groups at a level below half a serving, the SF3 appears to be a very good approximation of the number of servings of fruit and vegetables for population estimates in relation to the CDPS method.

The conclusion is similar for estimating the number of servings of fruit. The degree of overestimation of the number of servings of fruit for all adults is higher than that for total fruit and vegetables, however, it is still less than half a serving (0.43 servings, p<.001). This conclusion for estimating fruit intake is the same for all three race/ethnic groups studied.

In estimating the number of servings of vegetables, the SF3 performed best in that there is no significant difference from estimates made using the CDPS method either for all adults or for any of the race/ethnic groups measured. The correlation is also good (r=0.527), although not as strong as that observed for fruit or for total fruit and vegetables. Although the point estimate for servings of vegetables in this study was not statistically different from the CDPS estimate, the lower correlation suggests the SF3 vegetable estimate will not track as well over time as the estimates for fruit alone or for total fruit and vegetables, both of which have relatively stronger correlations with the CDPS estimates. However, compared to dietary studies in general, all these correlations are still very good.

In place of the CDPS method, the SF3 is a very good and potentially cost efficient way to obtain population estimates of the number of servings of fruit and vegetables. It should work well to track intake over time, but would likely produce a slightly higher estimate than that produced by the CDPS method. It is a good estimator of the number of servings of fruit. Estimates of the number of servings of vegetables, although not as strongly correlated, should not be very different than those produced using the CDPS method.

* * *

References

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[4] Subar AF, Frey CM, Harlan LC, Kahle L. *Differences in Reported Food Frequency by Season of Questionnaire Administration: The 1987 National Health Interview Survey*. Epidemiology, vol 5 pp226-233, 1994.

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STUDY QUESTIONNAIRE (CATI VERSION – English)

S1

Dial telephone number and PRESS " 1 " to proceed
PRESS " 2 " if you are not going to dial this number
This number is a scheduled call back that terminated within the questionnaire.
Press 1 to continue. . . .

[GO TO SPANISH VERSION IF NECESSARY]

S2 – intro1

Hello, my name is _____. I'm calling on behalf of the University of California at Los Angeles.

1. PROCEED TO NEXT QUESTION
2. No answer
3. Normal busy
4. Answering machine
5. Do not wish to dial this number (Null attempt)
6. Callback
7. Non-Working Number
8. Business Number

S3-intro2

We're doing a scientific study about what fruits and vegetables people eat. This information may be used to help plan health, nutrition and education programs for the state and for your community.

Your telephone number was randomly drawn to be in a scientific sample of California households.
I have a few questions to identify an adult in your household who will be asked to participate in the study. Are you at least 18 years old?

(PRESS ENTER TO CONTINUE)

1. Yes, continue
2. No, (REQUEST TO SPEAK WITH SOMEONE WHO IS OVER AGE 18, RE-START INTRODUCTION, CONFIRM AGE OF NEW ADULT)
3. Person refused to cooperate (TERMINATE)

S4-selection

The study requires that we randomly select one adult who lives in your household to be interviewed on the telephone. How many members of your household, including yourself, are 18 years of age or older?

Enter the number of adults (IF ANS = 1, SKP ONEADULT)
99 = REFUSED (TERMINATE)
0 = NONE (TERMINATE)

S5-Men
How many are men?

0.	None	4.	Four	8.	Eight
1.	One	5.	Five	9.	Nine
2.	Two	6.	Six		
3.	Three	7.	Seven		

S6-Women
How many are women?

0.	None	4.	Four	8.	Eight
1.	One	5.	Five	9.	Nine
2.	Two	6.	Six		
3.	Three	7.	Seven		

S7-WrongTot
I'm sorry, something is not right.

Number of Men ____
\+ = _____
Number of Women ____

Number of Adults -

1. Correct the number of men
2. Correct the number of women
3. Correct the number of adults

S8-Selected
The person in your household I need to speak with is the _____

Are you the _____? [EXAMPLE: "2ND OLDEST MALE"]

1. Yes (SKP YOURTHE1)
2. No (SKP GETNEWADULT)
3. REFUSED - not allowed to speak with selected respondent (TERMINATE)

S9-OneAdult
Are you the Adult?

1. Yes (SKP YOURTHE1)
2. No (SKP GETDULT)
9. Refused, Not allowed to speak with the adult (TERMINATE)

S10-GetAdult
May I speak with the adult in the household?

1. Yes, Adult coming to the phone (SKP NEWADULT)
3. No, Adult not available at this time or not at home (SET CALL BACK)
4. Refused, Not allowed to speak with the adult (TERMINATE)

S11-Yourthe1
Then you are the person I need to speak with.
I will be asking you a few questions about fruits and vegetables you ate yesterday and, for statistical purposes, some brief questions about yourself, such as your age, race and income. This will all take less than 10 minutes. Your participation is voluntary. All the information will be kept confidential. You can skip any question you don't want to answer and you can end the interview at any time. Do you have any questions about this?

1. ANSWER QUESTIONS - PERSON INTERESTED, CONTINUE TO **Lang**
2. Go Back to Adults question. Warning: A New Respondent may be selected
9. Refused, Not allowed to speak with the adult (TERMINATE)

S12-GetNewAd
May I speak with the _____?

1. Yes, Selected Respondent coming to the phone (SKP NEWADULT)
2. No, Selected Respondent not available or not at home (SET CALL BACK)
9. Refused, Not allowed to speak with the selected respondent (TERMINATE)

S13-NewAdult1
Hello, my name is _____. I'm calling on behalf of the University of California Los Angeles. We're doing a scientific study about what fruits and vegetables people eat. This information may be used to help plan health, nutrition and education programs for the state and for your community.

You have been randomly chosen to be included in the study from among the adult members of your household. Are you at least 18 years old?

1. Yes, continue
2. No (REQUEST TO SPEAK WITH SOMEONE WHO IS OVER AGE 18, RE-START INTRODUCTION, CONFIRM AGE OF NEW ADULT)
3. Person refused to cooperate (TERMINATE)

S14 Questions
I will be asking you a few questions about fruits and vegetables you ate yesterday and, for statistical purposes, some brief questions about yourself, such as your age, race and income. This will all take less than 10 minutes. Your participation is voluntary. All the information will be kept confidential. You can skip any question you don't want to answer and you can end the interview at any time. Do you have any questions about this?

1. ANSWER ANY QUESTIONS - PERSON INTERESTED, CONTINUE
2. Person not interested (TERMINATE)

S15-Assure and Consent
Just to assure you, the University has very strict safeguards to protect your rights and privacy. If you have any questions or concerns about this, my supervisor can give you the contact information for the person at UCLA in charge of this study. Would you like this information now or, with your permission, can we begin the interview?

1. WANTS UCLA INFORMATION
2. BEGIN INTERVIEW – THANK AND CONTINUE – GO TO S16
3. DON'T BEGIN INTERVIEW ASK: "If another time is more convenient we can schedule a better time."

S15a - CONTACT
SUPERVISOR WILL DETERMINE IF QUESTION IS ABOUT (A) THE NATURE, PURPOSE AND CONTENT OF SURVEY OR (B) RIGHTS OF RESEARCH SUBJECTS OR (C) BOTH.

IF A, CONTACT INFO IS:

Dr. Charles DiSogra
Principal Investigator
UCLA Center for Health Policy Research
10911 Weyburn Ave., Suite 300
Los Angeles, CA 90024
Telephone: (310) 794-0946
Fax: (310)794-2686
Email: cdisogra@ucla.edu

IF B, CONTACT INFO IS:

Office for Protection of Human Subjects,
UCLA Box 951694
Los Angeles, CA 90095-1694
Telephone (310) 825-8714

IF C, GIVE BOTH

S16-Lang
Would you prefer to do the interview in English or Spanish?

1. English (TOGGLE TO ENGLISH - CANNOT GO BACK TO SPANISH)
2. Spanish (TOGGLE TO SPANISH - CANNOT GO BACK TO ENGLISH)

[RANDOM HALF OF RESPONDENTS IS ASKED R1-R3, ALL ELSE SKIP TO Q90]

R1 – Random half Short Form
The first question is about the number of servings of fruit you ate yesterday. This would include fresh fruit, canned fruit, dried and frozen fruit but NOT fruit juice. A serving is whatever you think of as a normal portion size for yourself.

Thinking about the fruit you ate yesterday, how many servings of fruit did you eat?

ENTER NUMBER: _____
Don't Know
Refused

R1a – Random half Short Form
And how many servings of 100% fruit juice did you drink -- do NOT include fruit DRINKS like Kool-Aid or lemonade, cranberry juice cocktail, Hi-C, Tang, Tampico, Sunny Delight, or Twister.

ENTER NUMBER: _____
Don't Know
Refused

R2 – Random half Short Form
Next is about the number of servings of vegetables you ate yesterday. This would include ALL forms of vegetables, such as fresh, canned, frozen and dried, as well as any vegetable juices, soups and stews made with vegetables. It ALSO includes potatoes, vegetable salads and salsa.

Thinking about the vegetables you ate yesterday, how many servings of vegetables did you have?

ENTER NUMBER: _____
Don't Know
Refused

R3- Transition
Now I need to get a little more detail for each of the meals you ate. Even though you just gave me your best estimate on the number of servings of fruit and vegetables you ate yesterday, I'd like to now have you think again about this starting with each of the meals you ate yesterday.

PRESS "1" TO CONTINUE

Q90 – ASKED OF ALL

These [IF ANSWERED R1-R3 INSERT "next"] questions are about what you ate for your meals and snacks yesterday. [IF ANSWERED R1-R3 INSERT "Again, "] When I ask about FRUITS AND VEGETABLES keep in mind that I mean ALL forms including: fresh, canned, frozen and dried, as well as fruit and vegetable juices, soups and stews made with vegetables, potatoes, salads and salsa.

When I ask about SERVINGS, a serving is whatever you think of as a normal portion for yourself.

Q99
Did you eat a morning meal yesterday?

1. Yes
2. No (SKP Q199)
8. Don't Know (SKP Q199)
9 Refused (SKP Q199)

Q100
Did you have any fruit, vegetables, salad, or juice for your morning meal (breakfast) yesterday?

1. Yes
2. No (SKP Q199)
8. Don't Know (SKP Q199)
9. Refused (SKP Q199)

Q102
Which fruit, vegetables, salad or juice did you have at your morning meal (breakfast) yesterday?

IF SALAD:

A) Was there lettuce or any other greens in the salad?

B) Other than lettuce, what was the main one or two ingredients? EX. [Enter GREEN SALAD/INGREDIENT #1/INGREDIENT #2

IF MIXED ITEMS:
PROBE to ID the main item

Fruit/Veg/Juice

Type

Q104	**Q110**	**Q116**
Q106	**Q112**	**Q118**
Q108	**Q114**	**Q120**

Number of Servings

Q124	**Q132**	**Q140**
Q126	**Q134**	**Q142**
Q128	**Q136**	**Q197**
Q130	**Q138**	

Q199
Did you eat a midday meal yesterday?

1. Yes
2. No (SKP Q299)
8. Don't Know (SKP Q299)
9. Refused (SKP Q299)

Q200
Did you have any fruit, vegetables, salad, or juice for your midday meal (lunch) yesterday?

1. Yes
2. No (SKP Q299)
8. Don't Know (SKP Q299)
9. Refused (SKP Q299)

Q202
Which fruit, vegetables, salad or juice did you have at your midday meal (lunch) yesterday?

IF SALAD:

A) Was there lettuce or any other greens in the salad?

B) Other than lettuce, what was the main one or two ingredients? EX. [Enter GREEN SALAD/INGREDIENT #1/INGREDIENT #2

IF MIXED ITEMS:
PROBE to ID the main item

Fruit/Veg/Juice

Type

Q204	**Q210**	**Q216**
Q206	**Q212**	**Q218**
Q208	**Q214**	**Q220**

Number of Servings

Q224	**Q232**	**Q240**
Q226	**Q234**	**Q242**
Q228	**Q236**	**Q297**
Q230	**Q238**	

Q299
Did you eat an evening meal yesterday?

1. Yes
2. No (SKP Q399)
8. Don't Know (SKP Q399)
9. Refused (SKP Q399)

Q300
Did you have any fruit, vegetables, salad, or juice for your evening meal (dinner) yesterday?

1. Yes
2. No (SKP Q399)
8. Don't Know (SKP Q399)
9. Refused (SKP Q399)

Q302
Which fruit, vegetables, salad or juice did you have at your evening meal (dinner) yesterday?

IF SALAD:

A) Was there lettuce or any other greens in the salad?

B) Other than lettuce, what was the main one or two ingredients? EX. [Enter GREEN SALAD/INGREDIENT #1/INGREDIENT #2

IF MIXED ITEMS:
PROBE to ID the main item

Fruit/Veg/Juice

Type

Q304	**Q310**	**Q316**
Q306	**Q312**	**Q318**
Q308	**Q314**	**Q320**

Number of Servings

Q324	**Q332**	**Q340**
Q326	**Q334**	**Q342**
Q328	**Q336**	**Q397**
Q330	**Q338**	

Q399
Did you eat any other meals or snacks yesterday? (other than the meals you just told me about?)

1. Yes
2. No (SKP Q600)
8. Don't Know (SKP Q600)
9. Refused (SKP Q600)

Q400
Did your snacks include any fruits, vegetables, salad, or juice?

1. Yes
2. No (SKP Q600)
8. Don't Know (SKP Q600)
9. Refused (SKP Q600)

Q402
Which fruit, vegetables, salad or juice did you have for a snack (other meal) yesterday?

IF SALAD:

A) Was there lettuce or any other greens in the salad?

B) Other than lettuce, what was the main one or two ingredients? EX. [Enter GREEN SALAD/INGREDIENT #1/INGREDIENT #2

IF MIXED ITEMS:
PROBE to ID the main item

Fruit/Veg/Juice

Type

Q404	**Q410**	**Q416**
Q406	**Q412**	**Q418**
Q408	**Q414**	**Q420**

Number of Servings

Q424	**Q432**	**Q440**
Q426	**Q434**	**Q442**
Q428	**Q436**	**Q497**
Q430	**Q438**	

Q600
Now I'd like to ask just a few questions about you.

PRESS "1" TO CONTINUE

Q601
What is your date of birth?

_____ month _____day _____year [GO TO Q603]

Don't know 8
Refused 9

Q602.
About what is your age in years?

_____(years of age)

Q603.
Are you male or female?

Male 1
Female..... 2
Refused 9

Q604.
Are you of Latino or Hispanic origin?

Yes 1
No 2
Don't know 3
Refused 4

Q605
Also, please tell me which one-OR MORE-of the following you would use to describe yourself. Native Hawaiian, Other Pacific Islander, American Indian, Alaska Native, Asian, Black, African American, or White?

[IF R GIVES AN OTHER RESPONSE YOU MUST SPECIFY WHAT IT IS]

CODE ALL MENTIONS

Native Hawaiian..... 1
Other Pacific Islander 2
American Indian or Alaska Native..... 3
Asian 4
Black or African American 5
White..... 6
Other: (specify)_____ 7
Don't know ..... 8 [GO TO Q607]
Refused ..... 9 [GO TO Q607]

[IF MULTIPLE RESPONSES TO Q605 (NOT COUNTING DON'T KNOW OR REFUSAL) ASK Q606 ELSE GO TO Q607]

Q606
You said that you are:

[INSERT LIST OF MULTIPLE RESPONSES FROM Q605, SHOW "LATINO" IF Q604='YES', ALSO DISPLAY THE "OTHER SPECIFY" FROM Q605.].

Of these, which ONE do you MOST identify with?

[IF R UNABLE TO CHOOSE ONE, OFFER OPTION "BOTH/ALL/MULTIRACIAL"]
SELECT ONE ONLY

Native Hawaiian..... 1
Other Pacific Islander 2
American Indian or Alaska Native..... 3
Asian 4
Black or African American 5
White..... 6
Other Specify:_____ 7
Both/All/Multiracial..... 8
None of these 9
Don't know 888
Refused 999

Q607
Were you born in the United States or in some other country?

1. USA [SKIP TO Q609]
2. Some other country
8. Don't Know
9. Refused

Q608
How many years have you lived in the United States?

ENTER NUMBER: _____
8. Don't Know
9. Refused

Q609 [IF RESPONDENT IS LATINO, ASK Q609, ELSE SKIP TO Q614]
I am now going to ask a few questions about language. In general, what languages do you read and speak? (READ LIST)

1. Only Spanish
2. Spanish better than English
3. Both equally
4. English better than Spanish
5. Only English
9. Refused (DO NOT READ)

Q610
What was the language you used as a child? (READ LIST)

1. Only Spanish
2. More Spanish than English
3. Both equally
4. More English than Spanish
5. Only English
9. Refused (DO NOT READ)

Q611
What language(s) do you usually speak at home? (READ LIST)

1. Only Spanish
2. More Spanish than English
3. Both equally
4. More English than Spanish
5. Only English
9. Refused (DO NOT READ)

Q612
In which language(s) do you usually think? (READ LIST)

1. Only Spanish
2. More Spanish than English
3. Both equally
4. More English than Spanish
5. Only English
9. Refused (DO NOT READ)

Q613
What language(s) do you usually speak with your friends? (READ LIST)

1. Only Spanish
2. More Spanish than English
3. Both equally
4. More English than Spanish
5. Only English
9. Refused (DO NOT READ)

Q614
What is the highest grade of education you have completed and received credit for?

GRADE SCHOOL

1ST GRADE 1
2ND GRADE 2
3RD GRADE 3
4TH GRADE 4
5TH GRADE 5
6TH GRADE 6
7TH GRADE 7
8TH GRADE 8

HIGH SCHOOL OR EQUIVALENT

9TH GRADE 9
10TH GRADE 10
11TH GRADE 11
12TH GRADE 12

4-YEAR COLLEGE OR UNIVERSITY

1ST YEAR (FRESHMAN)..... 13
2ND YEAR (SOPHOMORE)..... 14
3RD YEAR (JUNIOR) 15
4TH YEAR (SENIOR) (BA/BS) 16
5TH YEAR 17

GRADUATE OR PROFESSIONAL SCHOOL

1ST YEAR GRAD OR PROF SCHOOL 18
2ND YEAR GRAD OR PROF SCHOOL
(MA/MS) 19

3RD YEAR GRAD OR PROF SCHOOL 20
MORE THAN 3 YEARS GRAD/ PROF SCHOOL (Ph.D.) 21

2-YEAR JUNIOR OR COMMUNITY COLLEGE

1ST YEAR 22
2ND YEAR..... 23

VOCATIONAL, BUSINESS OR TRADE SCHOOL

1ST YEAR..... 24
2ND YEAR..... 25
MORE THAN 2 YEARS..... 26

DON'T KNOW (OUT OF RANGE)..... 88
REFUSED..... 99

Q615
We don't need to know exactly, could you tell me if your HOUSEHOLD'S ANNUAL income from all sources BEFORE TAXES is more than $25,000 per year or is it less?

More..... 1 [GO TO Q616]
Less than or equal to $25k 2
Don't know ..... 8 [GO TO Q618]
Refused ..... 9 [GO TO Q618]

Q615a
Is it …

$5,000 or less ..... 1 [GO TO Q618]
$5,001 to 10,000 ..... 2 [GO TO Q618]
$10,001 to 15,000 ..... 3 [GO TO Q618]
$15,001 to 20,000 ..... 4 [GO TO Q618]
$20,001 to 25,000 ..... 5 [GO TO Q618]
Don't know ..... 8 [GO TO Q618]
Refused ..... 9 [GO TO Q618]

Q616
Is it more or less than $70,000 per year?

More..... 1 [GO TO Q617]
Equal to $70k or Less 2
Don't know ..... 8 [GO TO Q618]
Refused ..... 9 [GO TO Q618]

Q616a
Is it …

$25,001-$30,000 ..... 1 [GO TO Q618]
$30,001-$40,000 ..... 2 [GO TO Q618]
$40,001-$50,000 ..... 3 [GO TO Q618]
$50,001-$60,000 ..... 4 [GO TO Q618]
$60,001-$70,000 ..... 5 [GO TO Q618]
Don't know ..... 8 [GO TO Q618]
Refused ..... 9 [GO TO Q618]

Q617
Is it more or less than $135,000 per year?

More ..... 1 [GO TO Q618]
Equal to $135k or Less 2
Don't know ..... 8 [GO TO Q618]
Refused ..... 9 [GO TO Q618]

Q617a
Is it …

$70,001-$80,000 1
$80,001-$90,000 2
$90,001-$100,000 3
$100,001-$135,000 4
Don't know 8
Refused 9

Q618
How many people in your household are supported by your total household income?

_____Number of people
Don't know ..... -8
Refused ..... -9

Q619
How many of these <<INSERT FROM Q618>> people are children under the age of 18?

_____Number of children
Don't know ..... -8
Refused ..... -9

Q620
Are there any telephone numbers that people answer in your household in addition to {INSERT PHONE NUMBER}?

YES 1
NO 2

Q621
(Is this/Are these) additional number(s) for…

Home use 1
Home and business use 2
Business use only..... 3

Q622
What was the total number of months, if any, that you were without telephone service since <<INSERT DATE 12 MONTHS AGO>>.

_____(Number of months) [0-12]
Don't know ..... -8
Refused ..... -9

Q623
Thank you very much. Those are all the questions I have. We appreciate your help and the time you've given us. Good-bye!

END OF INTERVIEW

(PRESS '1' TO CONTINUE)

Q700
Indicate day of the week

1. Monday
2. Tuesday
3. Wednesday
4. Thursday
5. Friday
6. Saturday
7. Sunday

STUDY QUESTIONNAIRE (CATI VERSION – Spanish)

S1
Dial telephone number and PRESS " 1 " to proceed
PRESS " 2 " if you are not going to dial this number
This number is a scheduled call back that terminated within the questionnaire.
Press 1 to continue. . . .

[GO TO SPANISH VERSION IF NECESSARY]

S2 – intro1
Hola, mi nombre es _____ y estoy llamando de parte de la Universidad de California en Los Angeles.

1. PROCEED TO NEXT QUESTION
2. No answer
3. Normal busy
4. Answering machine
5. Do not wish to dial this number (Null attempt)
6. Callback
7. Non-Working Number
8. Business Number

S3-intro2
Estamos realizando un estudio científico acerca de las frutas y los vegetales que comen los habitantes de California. Esta información luego podrá ser usada para ayudar en el planeamiento de programas de salud, nutrición y educación para el estado y su comunidad.

Su número de teléfono fue elegido al azar por una computadora para ser parte de una muestra científica de los hogares de California.
Me gustaría hacerle algunas preguntas para identificar a un adulto de su casa a quien se le solicitará su participación en el estudio. ¿Tiene usted por lo menos 18 años de edad?

(PRESS ENTER TO CONTINUE)

1. Yes, continue
2. No, (REQUEST TO SPEAK WITH SOMEONE WHO IS OVER AGE 18, RE-START INTRODUCTION, CONFIRM AGE OF NEW ADULT)
3. Person refused to cooperate (TERMINATE)

S4-selection
El estudio requiere que escojamos al azar a un adulto que viva en su casa para ser entrevistado telefónicamente. ¿Cuántas personas en su casa, incluyéndole a usted, son mayores de 18 años?

Enter the number of adults (IF ANS = 1, SKP ONEADULT)
99 = REFUSED (TERMINATE)
0 = NONE (TERMINATE)

S5-Men
¿Cuántos son hombres?

0.	None	4.	Four	8.	Eight
1.	One	5.	Five	9.	Nine
2.	Two	6.	Six		
3.	Three	7.	Seven		

S6-Women
¿Cuántas son mujeres?

0.	None	4.	Four	8.	Eight
1.	One	5.	Five	9.	Nine
2.	Two	6.	Six		
3.	Three	7.	Seven		

S7-WrongTot
Perdón, pero hay algo que no está bien.
Cantidad de Hombres ____
\+ = _____
Cantidad de Mujeres ____

Cantidad de Adultos -

1. Corrija la cantidad de hombres
2. Corrija la cantidad de mujeres
3. Corrija la cantidad de adultos

S8-Selected
La persona de su casa con la que necesito hablar es el / la _____

¿Es usted el / la _____? [EXAMPLE: "2ND OLDEST MALE"]

1. Yes (SKP YOURTHE1)
2. No (SKP GETNEWADULT)
3. REFUSED - not allowed to speak with selected respondent (TERMINATE)

S9-OneAdult
¿Es usted el adulto?

1. Yes (SKP YOURTHE1)
2. No (SKP GETDULT)
9. Refused, Not allowed to speak with the adult (TERMINATE)

S10-GetAdult
¿Podría hablar con el adulto de su casa por favor?

1. Yes, Adult coming to the phone (SKP NEWADULT)
3. No, Adult not available at this time or not at home (SET CALL BACK)
4. Refused, Not allowed to speak with the adult (TERMINATE)

S11-Yourthe1
Entonces, usted es la persona con la necesito hablar.
Le haré algunas preguntas acerca de las frutas y los vegetales que usted comió ayer y, para propósitos estadísticos, algunas preguntas breves acerca de usted, tal como su edad, raza e ingreso. Todo esto va a tomar menos de 10 minutos. Su participación es voluntaria. Toda la información recogida será estrictamente confidencial. Usted puede saltarse cualquier pregunta que no desee contestar y puede terminar la entrevista en cualquier momento.
¿Tiene alguna pregunta acerca de esto?

1. ANSWER QUESTIONS - PERSON INTERESTED, CONTINUE TO **Lang**
2. Go Back to Adults question. Warning: A New Respondent may be selected
9. Refused, Not allowed to speak with the adult (TERMINATE)

S12-GetNewAd
¿Podría hablar con el / la _____?

1. Yes, Selected Respondent coming to the phone (SKP NEWADULT)
2. No, Selected Respondent not available or not at home (SET CALL BACK)
9. Refused, Not allowed to speak with the selected respondent (TERMINATE)

S13-NewAdult1
Hola, mi nombre es _____ y estoy llamando de parte de la Universidad de California en Los Angeles. Estamos realizando un estudio científico acerca de las frutas y los vegetales que comen los habitantes de California. Esta información luego podrá ser usada para ayudar en el planeamiento de programas de salud, nutrición y educación para el estado y su comunidad.

Usted fue elegido al azar de entre los miembros adultos de su casa para ser parte del estudio. ¿Tiene usted por lo menos 18 años de edad?

1. Yes, continue
2. No (REQUEST TO SPEAK WITH SOMEONE WHO IS OVER AGE 18, RE-START INTRODUCTION, CONFIRM AGE OF NEW ADULT)
3. Person refused to cooperate (TERMINATE)

S14 Questions
Le haré algunas preguntas acerca de las frutas y los vegetales que usted comió ayer y, para propósitos estadísticos, algunas preguntas breves acerca de usted, tal como su edad, raza e ingreso. Todo esto va a tomar menos de 10 minutos. Su participación es voluntaria. Toda la información recogida será estrictamente confidencial. Usted puede saltarse cualquier pregunta que no desee contestar y puede terminar la entrevista en cualquier momento. ¿Tiene alguna pregunta acerca de esto?

1. ANSWER ANY QUESTIONS - PERSON INTERESTED, CONTINUE
2. Person not interested (TERMINATE)

S15-Assure and Consent
Le queremos asegurar que la Universidad tiene garantías muy estrictas para proteger sus derechos y su privacidad. Si usted tiene preguntas o inquietudes acerca de esto, yo le puedo dar los datos de la persona en UCLA que está a cargo de este estudio. ¿Quiere dicha información ahora o, con su permiso, podríamos comenzar con la entrevista?

1. WANTS UCLA INFORMATION
2. BEGIN INTERVIEW – THANK AND CONTINUE – GO TO S16
3. DON'T BEGIN INTERVIEW ASK: "Si es más conveniente que hablemos en otro momento, podemos fijar otro horario".

S15a - CONTACT
SUPERVISOR WILL DETERMINE IF QUESTION IS ABOUT (A) THE NATURE, PURPOSE AND CONTENT OF SURVEY OR (B) RIGHTS OF RESEARCH SUBJECTS OR (C) BOTH.

IF A, CONTACT INFO IS:

Dr. Charles DiSogra
Investigador Principal
Centro para la Investigación en Políticas de la Salud de UCLA
10911 Weyburn Ave., Suite 300
Los Angeles, CA 90024
Teléfono: (310) 794-0946
Fax: (310)794-2686
Correo electrónico: cdisogra@ucla.edu

IF B, CONTACT INFO IS:

Oficina para la Protección de los Asuntos Humanos
UCLA Box 951694
Los Angeles, CA 90095-1694
Teléfono (310) 825-8714

IF C, GIVE BOTH

S16-Lang
¿Usted prefiere ser entrevistado en inglés o en español?

1. English (TOGGLE TO ENGLISH - CANNOT GO BACK TO SPANISH)
2. Spanish (TOGGLE TO SPANISH - CANNOT GO BACK TO ENGLISH)

[SHORT FROM RANDOM HALF IS ASKED R1-R3, ALL ELSE SKIP TO Q90]

R1 – Random half Short Form
La primera pregunta es acerca de la cantidad de porciones de frutas que usted comió ayer. Esto incluye fruta fresca, enlatada, seca y congelada pero NO jugo de frutas. Una porción quiere decir cualquier cantidad de comida que usted considere normal para usted.

Piense acerca de las frutas que comió ayer, ¿cuántas porciones de frutas comió?

ENTER NUMBER: _____
Don't Know
Refused

R1a – Random half Short Form
¿Y cuántas porciones de 100% jugo de frutas tomó? NO incluya BEBIDAS frutales como Kool-Aid o limonada, cóctel de jugo de arándanos (cranberry), Hi-C, Tang, Tampico, Sunny Delight, o Twister.

ENTER NUMBER: _____
Don't Know
Refused

R2 – Random half Short Form
La siguiente pregunta es acerca de la cantidad de porciones de vegetales que usted comió ayer. Esto incluye TODO TIPO de vegetales, tal como frescos, enlatados, congelados y secos, así como jugos de vegetales, sopas y cocidos hechos con vegetales. TAMBIEN incluye papas, ensaladas de vegetales y salsa.

Piense en los vegetales que comió ayer, ¿cuántas porciones de vegetales comió?

ENTER NUMBER: _____
Don't Know
Refused

R3- Transition
Ahora necesito un poco más de detalles acerca de las comidas que comió. Aunque usted ya me dio su mejor cálculo acerca de la cantidad de porciones de frutas y vegetales que comió ayer, me gustaría que usted vuelva a pensar acerca de esto comenzando con cada una de las comidas que comió ayer.

PRESS "1" TO CONTINUE

Q90 – ASKED OF ALL – LONG FORM

[NO INSERT] La siguiente serie de preguntas es acerca de las comidas y bocadillos (snacks) que usted comió ayer. [NO INSERT] Cuando le pregunto acerca de las FRUTAS Y VEGETALES, recuerde que me refiero a TODO TIPO de frutas y vegetales, incluyendo frescos, enlatados, congelados y secos, así como jugos de frutas y vegetales, sopas y cocidos hechos con vegetales, papas, ensaladas y salsa.

Cuando le pregunto acerca de las PORCIONES, una porción es cualquier cantidad de comida que usted considere normal para usted.

Q99
¿Desayunó usted ayer por la mañana?

1. Yes
2. No (SKP Q199)
8. Don't Know (SKP Q199)
9 Refused (SKP Q199)

Q100
¿Comió usted algo de frutas, vegetales, ensalada o tomó jugos en el desayuno ayer?

1. Yes
2. No (SKP Q199)
8. Don't Know (SKP Q199)
9. Refused (SKP Q199)

Q102
¿Qué frutas, vegetales, ensalada o jugo comió o tomó en el desayuno ayer?

IF SALAD:
A) ¿Había lechuga u otras hojas verdes en la ensalada?
B) Además de la lechuga, mencione uno o dos de los otros ingredientes principales EX. [Enter GREEN SALAD/INGREDIENT #1/INGREDIENT #2

IF MIXED ITEMS:
PROBE to ID the main item

Fruit/Veg/Juice

Escriba

Q104	**Q110**	**Q116**
Q106	**Q112**	**Q118**
Q108	**Q114**	**Q120**

Cantidad de porciones

Q124	**Q132**	**Q140**
Q126	**Q134**	**Q142**
Q128	**Q136**	**Q197**
Q130	**Q138**	

Q199
¿Comió usted la comida del mediodía (o el almuerzo) ayer?

1. Yes
2. No (SKP Q299)
8. Don't Know (SKP Q299)
9. Refused (SKP Q299)

Q200
¿Comió usted algo de frutas, vegetales, ensalada o tomó jugo en la comida del mediodía (el almuerzo) ayer?

1. Yes
2. No (SKP Q299)
8. Don't Know (SKP Q299)
9. Refused (SKP Q299)

Q202
¿Qué frutas, vegetales, ensalada o jugo comió o tomó usted en su comida del mediodía (almuerzo) ayer?

IF SALAD:

A) ¿Había lechuga o otras hojas verdes en la ensalada?

B) Además de la lechuga, mencione uno o dos de los principales ingredientes EX. [Enter GREEN SALAD/INGREDIENT #1/INGREDIENT #2

IF MIXED ITEMS:
PROBE to ID the main item

Fruit/Veg/Juice

Escriba

Q204	**Q210**	**Q216**
Q206	**Q212**	**Q218**
Q208	**Q214**	**Q220**

Cantidad de porciones

Q224	**Q232**	**Q240**
Q226	**Q234**	**Q242**
Q228	**Q236**	**Q297**
Q230	**Q238**	

Q299
¿Comió usted la comida de la noche (o cena) ayer?

1. Yes
2. No (SKP Q399)
8. Don't Know (SKP Q399)
9. Refused (SKP Q399)

Q300
¿Comió usted algo de frutas, vegetales, ensalada o tomó jugos en su comida de la noche (la cena) ayer?

1. Yes
2. No (SKP Q399)
8. Don't Know (SKP Q399)
9. Refused (SKP Q399)

Q302
¿Qué frutas, vegetales, ensalada o jugos comió o tomó en su comida de la noche (la cena) ayer?

IF SALAD:
A) ¿Había lechuga u otras hojas verdes en la ensalada?
B) Además de la lechuga, mencione uno o dos de los principales ingredientes [EX. Enter GREEN SALAD/INGREDIENT #1/INGREDIENT #22

IF MIXED ITEMS:
PROBE to ID the main item

Fruit/Veg/Juice

Escriba

Q304	**Q310**	**Q316**
Q306	**Q312**	**Q318**
Q308	**Q314**	**Q320**

Cantidad de porciones

Q324	**Q332**	**Q340**
Q326	**Q334**	**Q342**
Q328	**Q336**	**Q397**
Q330	**Q338**	

Q399
¿Comió usted alguna otra comida o bocadillo ayer? (¿además de las que me acaba de mencionar?)

1. Yes
2. No (SKP Q600)
8. Don't Know (SKP Q600)
9. Refused (SKP Q600)

Q400
¿Los bocadillos incluyeron alguna fruta, vegetal, ensalada o jugo?

1. Yes
2. No (SKP Q600)
8. Don't Know (SKP Q600)
9. Refused (SKP Q600)

Q402
¿Qué fruta, vegetal, ensalada o jugo comió o tomó en su bocadillo (otra comida) ayer?

IF SALAD:
A) ¿Había lechuga u otras hojas verdes en la ensalada?
B) Además de la lechuga, mencione uno o dos de los ingredientes principales [EX. Enter GREEN SALAD/INGREDIENT #1/INGREDIENT #2

IF MIXED ITEMS:
PROBE to ID the main item

Fruit/Veg/Juice

Escriba

Q404	**Q410**	**Q416**
Q406	**Q412**	**Q418**
Q408	**Q414**	**Q420**

Cantidad de Porciones

Q424	**Q432**	**Q440**
Q426	**Q434**	**Q442**
Q428	**Q436**	**Q497**
Q430	**Q438**	

Q600
Ahora le quiero hacer algunas preguntas acerca de usted.

PRESS "1" TO CONTINUE

Q601
¿Cuál es su fecha de nacimiento?

_____ mes _____día _____año [GO TO Q603]

Don't know 8
Refused 9

Q602.
¿Cuántos años tiene?

_____(años de edad)

Q603.
¿Es usted hombre o mujer?

Hombre 1
Mujer..... 2
Refused 9

Q604.
¿Es usted de origen latino o hispano?

Yes 1
No 2
Don't know 3
Refused 4

Q605
También, dígame cuál o cuales de las siguientes clasificaciones usaría para describirse a usted mismo/a: Nativo/a de Hawai, otro/a de las Islas del Pacífico, indio/a americano/a, nativo/a de Alaska, asiático/a, negro/a, afro americano/a o blanco/a

[IF R GIVES AN OTHER RESPONSE YOU MUST SPECIFY WHAT IT IS]

CODE ALL MENTIONS

Nativo/a de Hawai 1
Otro/a de las Islas del Pacífico 2
Indio/a Americano/a o Nativo/a de Alaska 3
Asiático/a 4
Negro/a o afro americano/a..... 5
Blanco/a 6
Otro/a: (especifique)_____ 7
Don't know ..... 8 [GO TO Q607]
Refused ..... 9 [GO TO Q607]

[IF MULTIPLE RESPONSES TO Q605 (NOT COUNTING DON'T KNOW OR REFUSAL) ASK Q606 ELSE GO TO Q607]

Q606
Usted me dijo que es:

[INSERT LIST OF MULTIPLE RESPONSES FROM Q605, SHOW "LATINO" IF Q604='YES', ALSO DISPLAY THE "OTHER SPECIFY" FROM Q605.].

De estas clasificaciones, ¿con cuál usted se identifica MAS?

[IF R UNABLE TO CHOOSE ONE, OFFER OPTION "AMBAS/ TODAS/ MULTIRACIAL"]
SELECT ONE ONLY

Native Hawaiian..... 1
Other Pacific Islander 2
American Indian or Alaska Native..... 3
Asian 4
Black or African American..... 5
White..... 6
Other Specify:_____ 7
Both/All/Multiracial..... 8
None of these 9
Don't know 888
Refused 999

Q607
¿Nació usted en los Estados Unidos o en otro país?

1. Estados Unidos [SKIP TO Q609]
2. Otro país
8. Don't Know
9. Refused

Q608
¿Cuántos años hace que vive en los Estados Unidos?

ENTER NUMBER: _____
8. Don't Know
9. Refused

Q609 [IF RESPONDENT IS LATINO, ASK Q609, ELSE SKIP TO Q614]
Ahora le voy a hacer algunas preguntas acerca del idioma. En general, ¿qué idiomas habla y lee usted? (READ LIST)

1. Español solamente
2. Español más que el inglés
3. Los dos por igual
4. Inglés más que el español
5. Inglés solamente
9. Refused (DO NOT READ)

Q610
¿Qué idioma hablaba de niño/a? (READ LIST)

1. Español solamente
2. Español más que el inglés
3. Los dos por igual
4. Inglés más que el español
5. Inglés solamente
9. Refused (DO NOT READ)

Q611
¿Qué idioma(s) habla usted generalmente en su casa? (READ LIST)

1. Español solamente
2. Español más que el inglés
3. Los dos por igual
4. Inglés más que el español
5. Inglés solamente
9. Refused (DO NOT READ)

Q612
¿En qué idioma(s) piensa usted por lo general? (READ LIST)

1. Español solamente
2. Español más que el inglés
3. Los dos por igual
4. Inglés más que el español
5. Inglés solamente
9. Refused (DO NOT READ)

Q613
¿En qué idioma(s) habla usted con sus amigos por lo general? (READ LIST)

1. Español solamente
2. Español más que el inglés
3. Los dos por igual
4. Inglés más que el español
5. Inglés solamente
9. Refused (DO NOT READ)

Q614
¿Cuál es el último grado de escuela que usted ha completado y por el cual recibió un título?

GRADE SCHOOL

1ST GRADE 1
2ND GRADE 2
3RD GRADE 3
4TH GRADE 4
5TH GRADE 5
6TH GRADE 6
7TH GRADE 7
8TH GRADE 8

HIGH SCHOOL OR EQUIVALENT

9TH GRADE 9
10TH GRADE 10
11TH GRADE 11
12TH GRADE 12

4-YEAR COLLEGE OR UNIVERSITY

1ST YEAR (FRESHMAN)..... 13
2ND YEAR (SOPHOMORE)..... 14
3RD YEAR (JUNIOR) 15
4TH YEAR (SENIOR) (BA/BS) 16
5TH YEAR 17

GRADUATE OR PROFESSIONAL SCHOOL

1ST YEAR GRAD OR PROF SCHOOL 18
2ND YEAR GRAD OR PROF SCHOOL

(MA/MS) 19
3RD YEAR GRAD OR PROF SCHOOL 20
MORE THAN 3 YEARS GRAD/ PROF SCHOOL (Ph.D.) 21

2-YEAR JUNIOR OR COMMUNITY COLLEGE

1ST YEAR 22
2ND YEAR..... 23

VOCATIONAL, BUSINESS OR TRADE SCHOOL

1ST YEAR..... 24
2ND YEAR..... 25
MORE THAN 2 YEARS..... 26

DON'T KNOW (OUT OF RANGE)..... 88
REFUSED..... 99

Q615
No necesitamos saber la cantidad exacta, ¿pero podría decirme si el ingreso anual de su hogar considerando todas las fuentes y ANTES DE LOS IMPUESTOS es más de $25.000 al año o menos?

Más..... 1 [GO TO Q616]
Menos que o igual a $25.000..... 2
Don't know ..... 8 [GO TO Q618]
Refused ..... 9 [GO TO Q618]

Q615a
Es de …

$5.000 o menos ..... 1 [GO TO Q618]
$5.001 a 10.000..... 2 [GO TO Q618]
$10.001 a 15.000..... 3 [GO TO Q618]
$15.001 a 20.000 ..... 4 [GO TO Q618]
$20.001 a 25.000 ..... 5 [GO TO Q618]
Don't know ..... 8 [GO TO Q618]
Refused ..... 9 [GO TO Q618]

Q616
¿Es más o menos de $70.000 al año?

Más..... 1 [GO TO Q617]
Igual a $70.000 o Menos..... 2
Don't know ..... 8 [GO TO Q618]
Refused ..... 9 [GO TO Q618]

Q616a
Es de …

$25.001-$30.000	1	[GO TO Q618]
$30.001-$40.000	2	[GO TO Q618]
$40.001-$50.000	3	[GO TO Q618]
$50.001-$60.000	4	[GO TO Q618]
$60.001-$70.000	5	[GO TO Q618]
No sabe	8	[GO TO Q618]
No contesta	9	[GO TO Q618]

Q617
¿Es más o menos de $135.000 al año?

Más	1	[GO TO Q618]
Igual a $135.000 o Menos	2	
Don't know	8	[GO TO Q618]
Refused	9	[GO TO Q618]

Q617a
Es de …

$70.001-$80.000	1
$80.001-$90.000	2
$90.001-$100.000	3
$100.001-$135.000	4
Don't know	8
Refused	9

Q618
¿Cuántas personas en su casa viven del ingreso total del hogar?

_____Cantidad de personas

Don't know	-8
Refused	-9

Q619
¿Cuántas de estas <<INSERT FROM Q618>> personas son niños menores de 18 años?

_____Cantidad de niños

Don't know	-8
Refused	-9

Q620
¿Hay otros números de teléfono que las personas contestan en su casa además de {INSERT PHONE NUMBER}?

SI	1
NO	2

Q621
¿(Es este/ Son estos) número(s) adicional(es) para …

Uso de la casa	1
Uso de la casa y el negocio	2
Uso del negocio solamente	3

Q622
¿Cuál fue la cantidad total de meses, si este fuera el caso, en que usted no tuvo servicio telefónico desde <<INSERT DATE 12 MONTHS AGO>>.

_____(Cantidad de meses) [0-12]
Don't know ..... -8
Refused ..... -9

Q623
Muchas gracias. Estas son todas las preguntas que tengo. Apreciamos mucho su ayuda y el tiempo que nos ha dado. ¡Hasta luego!

END OF INTERVIEW

(PRESS '1' TO CONTINUE)

Q700
Indicate day of the week

1. Monday
2. Tuesday
3. Wednesday
4. Thursday
5. Friday
6. Saturday
7. Sunday

TARGET SAMPLE SCREENER (English)

S1
Dial telephone number and PRESS " 1 " to proceed
PRESS " 2 " if you are not going to dial this number
This number is a scheduled call back that terminated within the questionnaire.
Press 1 to continue. . . .

[GO TO SPANISH VERSION IF NECESSARY]

S2 – intro1
Hello, my name is _____. I'm calling on behalf of the University of California at Los Angeles.

1. PROCEED TO NEXT QUESTION
2. No answer
3. Normal busy
4. Answering machine
5. Do not wish to dial this number (Null attempt)
6. Callback
7. Non-Working Number
8. Business Number

S3-intro2
We're doing a scientific study about what fruits and vegetables people eat. This information may be used to help plan health, nutrition and education programs for the state and for your community.

Your telephone number was randomly drawn to be in a scientific sample of California households.
I have a few questions to identify an adult in your household who will be asked to participate in the study. Are you at least 18 years old?

(PRESS ENTER TO CONTINUE)

1. Yes, continue
2. No, (REQUEST TO SPEAK WITH SOMEONE WHO IS OVER AGE 18, RE-START INTRODUCTION, CONFIRM AGE OF NEW ADULT)
3. Person refused to cooperate (TERMINATE)

SCRN_1
To see if someone in your household will be invited to participate in this study, I need to ask you three brief questions.

Which best describes the racial or ethnic make-up of your household, would you say Hispanic or Latino, Black or African American, Asian, White or other?

[SELECT ONE – IF ANYTHING AND BLACK CHOOSE BLACK]

1. Hispanic/Latino
2. Black/African American
3. Asian
4. White
5. Other

SCRN_2

And is your total household income from all sources, for all persons combined, before taxes and deductions, more than $25,000 per year or less than $25,000.

1. MORE
2. $25,000 OR LESS

SCRN_3

And finally, what is your zip code?

ENTER: _____

[TEST IF QUOTA FILLED OR OTHERWISE INELIGIBLE READ SCRN_3a
ELSE SKIP TO S4-selection]

SCRN_3a.

According to the computer your household is outside the area for the survey so that's all the questions I need to ask. Thanks very much. Good-bye.

S4-selection

The study requires that we randomly select one adult who lives in your household to be interviewed on the telephone. How many [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispanic or Latino/Black or African American"] members of your household, including yourself, are 18 years of age or older?

Enter the number of adults (IF ANS = 1, SKP ONEADULT)

99 = REFUSED (TERMINATE)
0 = NONE (TERMINATE)

S5-Men

How many are men ?

0. None
1. One
2. Two
3. Three
4. Four
5. Five
6. Six
7. Seven
8. Eight
9. Nine

S6-Women

How many are women ?

0. None
1. One
2. Two
3. Three
4. Four
5. Five
6. Six
7. Seven
8. Eight
9. Nine

S7-WrongTot

I'm sorry, something is not right.

Number of Men ____
\+ = _____
Number of Women ____

Number of Adults -

1. Correct the number of men
2. Correct the number of women

3. Correct the number of adults

S8-Selected
The person in your household I need to speak with is the:

<<AGE REFERENCE>> [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispanic or Latino/Black or African American"] <<MALE/FEMALE>>

Are you the _____? [EXAMPLE: "2ND OLDEST [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispanic or Latino/Black or African American"] MALE"]

1. Yes (SKP YOURTHE1)
2. No (SKP GETNEWADULT)
3. REFUSED - not allowed to speak with selected respondent (TERMINATE)

S9-OneAdult
Are you the [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispanic or Latino/Black or African American"] Adult?

1. Yes (SKP YOURTHE1)
2. No (SKP GETDULT)
9. Refused, Not allowed to speak with the adult (TERMINATE)

S10-GetAdult
May I speak with the adult in the household?

1. Yes, Adult coming to the phone (SKP NEWADULT)
3. No, Adult not available at this time or not at home (SET CALL BACK)
4. Refused, Not allowed to speak with the adult (TERMINATE)

S11-Yourthe1
Then you are the person I need to speak with.
I will be asking you a few questions about fruits and vegetables you ate yesterday and, for statistical purposes, some brief questions about yourself, such as your age, race and income.

This will all take less than 10 minutes. Your participation is voluntary. All the information will be kept confidential. You can skip any question you don't want to answer and you can end the interview at any time. Do you have any questions about this?

1. ANSWER QUESTIONS - PERSON INTERESTED, CONTINUE TO **Lang**
2. Go Back to Adults question. Warning: A New Respondent may be selected
9. Refused, Not allowed to speak with the adult (TERMINATE)

S12-GetNewAd
May I speak with the _<<AGE REFERENCE>>_ [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispanic or Latino/Black or African American"] <<MALE/FEMALE>>?

1. Yes, Selected Respondent coming to the phone (SKP NEWADULT)
2. No, Selected Respondent not available or not at home (SET CALL BACK)
9. Refused, Not allowed to speak with the selected respondent (TERMINATE)

CONTINUE AS WITH MAIN SURVEY

TARGET SAMPLE SCREENER (Spanish)

S1
Dial telephone number and PRESS " 1 " to proceed
PRESS " 2 " if you are not going to dial this number
This number is a scheduled call back that terminated within the questionnaire.
Press 1 to continue. . . .

[GO TO SPANISH VERSION IF NECESSARY]

S2 – intro1
Hola, mi nombre es _____ y estoy llamando de parte de la Universidad de California en Los Angeles.

1. PROCEED TO NEXT QUESTION
2. No answer
3. Normal busy
4. Answering machine
5. Do not wish to dial this number (Null attempt)
6. Callback
7. Non-Working Number
8. Business Number

S3-intro2
Estamos realizando un estudio científico acerca de las frutas y los vegetales que comen los habitantes de California. Esta información luego podrá ser usada para ayudar en el planeamiento de programas de salud, nutrición y educación para el estado y su comunidad.

Su número de teléfono fue elegido al azar por una computadora para ser parte de una muestra científica de los hogares de California.
Me gustaría hacerle algunas preguntas para identificar a un adulto de su casa a quien se le solicitará su participación en el estudio. ¿Tiene usted por lo menos 18 años de edad?

(PRESS ENTER TO CONTINUE)

1. Yes, continue
2. No, (REQUEST TO SPEAK WITH SOMEONE WHO IS OVER AGE 18, RE-START INTRODUCTION, CONFIRM AGE OF NEW ADULT)
3. Person refused to cooperate (TERMINATE)

SCRN_1
Para ver si un adulto de su casa será invitado a participar en este estudio, necesito hacerle tres preguntas cortas.

¿Qué describe mejor la composición étnica o racial de su hogar?, ¿Usted diría hispano o latino, negro o afro americano, asiático, blanco u otro?

[SELECT ONE – IF ANYTHING AND BLACK CHOOSE BLACK]

1. Hispano/Latino
2. Negro/Afro Americano
3. Asiático
4. Blanco
5. Otro

SCRN_2

¿Es el ingreso total de su casa considerando todas las fuentes, combinando los de todas las personas, antes de los impuestos y descuentos más de $25.000 al año o menos de $25.000?

1. MAS
2. $25.000 O MENOS

SCRN_3

Finalmente, ¿cuál es su código postal?

INGRESE: _____

[TEST IF QUOTA FILLED OR OTHERWISE INELIGIBLE READ SCRN_3a
ELSE SKIP TO S4-selection]

SCRN_3a.

Según la computadora, su casa está fuera del área del estudio así que estas son todas las preguntas que le tengo que hacer. Muchas gracias y hasta luego.

S4-selection

El estudio requiere que seleccionemos al azar un adulto que viva en su hogar para ser entrevistado telefónicamente. ¿Cuántos [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispano/a o Latino/a /Negro/a o Afro Americano/a"] miembros de su casa, incluyéndole a usted, tienen 18 años o más?

Ingrese la cantidad de adultos (IF ANS = 1, SKP ONEADULT)

99 = REFUSED (TERMINATE)
0 = NONE (TERMINATE)

S5-Men

¿Cuántos son hombres?

0. None
1. One
2. Two
3. Three
4. Four
5. Five
6. Six
7. Seven
8. Eight
9. Nine

S6-Women

¿Cuántas son mujeres?

0. None
1. One
2. Two
3. Three
4. Four
5. Five
6. Six
7. Seven
8. Eight
9. Nine

S7-WrongTot

Perdón, pero hay algo que no está bien.

Cantidad de Hombres ____
\+ =
Cantidad de Mujeres ____

Cantidad de Adultos -

1. Corrija la cantidad de hombres
2. Corrija la cantidad de mujeres
3. Corrija la cantidad de adultos

S8-Selected
La persona de su casa con la que necesito hablar es el / la _____

<<AGE REFERENCE>> [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispano/a o Latino/a /Negro/a o Afro Americano/a"] <<MALE/FEMALE>>

Es usted el / la _____? [EXAMPLE: "2ND OLDEST [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispano/a o Latino/a /Negro/a o Afro Americano/a"] MALE"]

1. Yes (SKP YOURTHE1)
2. No (SKP GETNEWADULT)
3. REFUSED - not allowed to speak with selected respondent (TERMINATE)

S9-OneAdult
¿Es usted el adulto? [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispano/a o Latino/a /Negro/a o Afro Americano/a"]

1. Yes (SKP YOURTHE1)
2. No (SKP GETDULT)
9. Refused, Not allowed to speak with the adult (TERMINATE)

S10-GetAdult
¿Podría hablar con el adulto del hogar?

1. Yes, Adult coming to the phone (SKP NEWADULT)
3. No, Adult not available at this time or not at home (SET CALL BACK)
4. Refused, Not allowed to speak with the adult (TERMINATE)

S11-Yourthe1
Entonces, usted es la persona con la necesito hablar.
Le haré algunas preguntas acerca de las frutas y los vegetales que usted comió ayer y, para propósitos estadísticos, algunas preguntas breves acerca de usted, tal como su edad, raza e ingreso.

Todo esto va a tomar menos de 10 minutos. Su participación es voluntaria. Toda la información recogida será estrictamente confidencial. Usted puede saltarse cualquier pregunta que no desee contestar y puede terminar la entrevista en cualquier momento. ¿Tiene alguna pregunta acerca de esto?

1. ANSWER QUESTIONS - PERSON INTERESTED, CONTINUE TO **Lang**
2. Go Back to Adults question. Warning: A New Respondent may be selected
9. Refused, Not allowed to speak with the adult (TERMINATE)

S12-GetNewAd
¿Podría hablar con el/ la _<<AGE REFERENCE>>_ [INSERT AS APPROPRIATE, NOT NECESSARY IF GENERAL LOW-INCOME: "Hispano/a o Latino/a /Negro/a o Afro Americano/a"] <<MALE/FEMALE>>?

1. Yes, Selected Respondent coming to the phone (SKP NEWADULT)
2. No, Selected Respondent not available or not at home (SET CALL BACK)
9. Refused, Not allowed to speak with the selected respondent (TERMINATE)

CONTINUE AS WITH MAIN SURVEY

APPENDIX II

INTERVIEWER TRAINING MANUAL

Fruit and Vegetable Calibration Survey

A Project of the UCLA Center for Health Policy Research

Table of Contents

SECTION I

California Fruit and Vegetable Survey

Overview and FAQ,s

What is the purpose of the survey

The purpose of this telephone survey is to find out what fruits and vegetables people eat and also the number of servings.

Every month we are asking a small sample of people in California about what fruits and vegetables they eat. We are looking to see how the seasons of the year affect the amount of fruits and vegetables people eat. We are also looking at how this might be different for different groups of people.

Who is doing this survey?

This study is being conducted by UCLA for the Cancer Research Program of the California Department of Health Services. The Department of Health Services actively promotes eating more fruits and vegetables to help people reduce their risk of cancer and to improve health.

How did we get your telephone number?

Your telephone number was randomly selected out of all possible telephone numbers in California to be in this survey.

Who will be calling you?

Freeman, Sullivan & Co., a private survey firm located in San Francisco, has been hired by UCLA to make the phone calls and do the interviewing.

How were you selected?

Out of all the adults in your household, you were randomly chosen to be the one included in this study. Only you will be interviewed in your household.

Why should you participate?

As part of a scientific sample, you speak for many other people like yourself. It is very important that this survey represent all the people of California.

Do you have to do this?

This is completely voluntary. We depend on everyone's cooperation to make the result's more accurate.

How long is the interview?

The whole interview takes less than 10 minutes on the telephone.

How will the results be used?

The results from the study will be used to improve food and nutrition education programs for people and families all across the state.

Why do we ask about race, ethnicity and income?

This is so we can be sure persons of all races; ethnic groups and incomes are represented in the survey.

Will you be contacted again?

No. We will contact you just this one time.

Will we give your information to anyone else?

No. Your telephone number will not be given out to anyone else and will not be linked to your answers. In the end, only group statistics will be reported in the results. The University has very strict safeguards to protect your privacy.

Can you get a copy of the results?

Yes, but the results will not be available until the end of the year 2002. They will be published on the project's website. If you mail your name and address or e-mail a request to the persons in charge of the study, a summary of the findings will be mailed to you.

What is your Website?

Go to www.healthpolicy.ucla.edu and then click on "Fruit & Vegetable Survey."

Who is in charge of this survey?

The person in charge is Dr. Charles DiSogra at UCLA. You can call him toll-free at 1-866-275-2447. Mention that you are calling about the fruit and vegetable survey. The mail and e-mail address is: Dr. Charles DiSogra, Principal Investigator, UCLA Center for Health Policy Research, 10911 Weyburn Ave., Suite 300, Los Angeles, CA 90024, e-mail: cdisogra@ucla.edu.

Who can I talk to about my rights as a UCLA research subject?

You can contact the Office for Protection of Human Subjects at UCLA, Box 951694, Los Angeles, CA 90095-1694 or call (310) 825-8714.

Who is the Department of Health Services?

The California Department of Health Services is part of the state government. It funds many of the health programs in California

SECTION II

TARGETED SAMPLE SCREENER

In addition to a general population survey, this study will **target** FIVE subgroups in the California population:

- Latino persons (all income levels)
- African American persons (all income levels)
- Low-income white persons
- Low-income Latino persons
- Low-income African American persons

Characteristics of Household

The screener is designed to ask people their household's race/ethnicity, then whether they qualify as low income – this is a total annual household income of **LESS THAN $25,000**.

To see if someone in your household will be invited to participate in this study, I need to ask you three brief questions.
Which best describes the racial or ethnic make-up of your household, would you say Hispanic or Latino, Black or African American, Asian, White or other?

And is your total household income from all sources, for all persons combined, before taxes and deductions, more than $25,000 per year or less than $25,000.

Mixed Households

In households that are mixed Latino/African American, we will take the African American persons only for the survey. Latino and anything else, take Latino persons.

Zip Code

We ask zip code as a neutral means of disqualifying households – not based on race or income – so as not to offend people.

If they don't know their zip code and can't find a piece of mail with the zip code on it AND they DON'T qualify you can explain that we need to know zip code so thank and terminate.

According to the computer your household is outside the area for the survey so that's all the questions I need to ask. Thanks very much. Good-bye.

If they don't know their zip code and can't find a piece of mail with the zip code on it AND they DO qualify, enter "don't know" and CONTINUE!

You will enumerate only those qualifying adults in the household if it is a mixed race household in one of the race/ethnic over-sample studies (see description above under Mixed Households).

Enumerate all adults in a general low-income household. Follow the text on your CATI screen.

SECTION III

UP-FRONT "NUMBER OF SERVINGS" QUESTIONS

Questions R1 to R3:

These questions will only be asked of **half** the people you talk with. The computer will make the decision about who gets and who does not get these questions.

The choice will be **completely random** and not based on any characteristic of the respondent.

READ EACH QUESTION AS IT APPEARS.

- A serving is whatever the respondent thinks of as a **normal portion size** for him/herself.

- It's ok for the respondent to take a few moments to think about their answer.

- You SHOULD NOT educate respondents on what is and what isn't a fruit or a vegetable. (Remember, after doing this survey you will know a lot more than most people!)

- Do not help in any way, just politely get them to give a number. You are allowed to clarify only by **re-reading** the **question**.

YOU NEED TO ASK THESE QUESTIONS AS IF THEY WERE THE ONLY QUESTIONS YOU ARE ASKING.

- DO NOT tell the respondent during the time they are trying to answer these questions that you will be going through the specific meals later.

- Accept the respondent's best guess if that's the best they can do.

R1 is strictly about fruit and does NOT include juice.

The first question is about the number of servings of fruit you ate yesterday. This would include fresh fruit, canned fruit, dried and frozen fruit but NOT fruit juice. A serving is whatever you think of as a normal portion size for yourself.

Thinking about the fruit you ate yesterday, how many servings of fruit did you eat?

R1a is about 100% fruit juice using the same definition as in the main survey questions.

And how many servings of 100% fruit juice did you drink -- do NOT include fruit DRINKS like Kool-Aid or lemonade, cranberry juice cocktail, Hi-C, Tang, Tampico, Sunny Delight, or Twister.

R2 is about vegetables and can include vegetable juices.

Next is about the number of servings of vegetables you ate yesterday. This would include ALL forms of vegetables, such as fresh, canned, frozen and dried, as well as any vegetable juices, soups and stews made with vegetables. It ALSO includes potatoes, vegetable salads and salsa.

Thinking about the vegetables you ate yesterday, how many servings of vegetables did you have?

R3 is your transition to the main survey questions.

Now I need to get a little more detail for each of the meals you ate. Even though you just gave me your best estimate on the number of servings of fruit and vegetables you ate yesterday, I'd like to now have you think again about this starting with each of the meals you ate yesterday.

SECTION IV

RECORDING FRUIT AND VEGETABLE INTAKE

Overview:

The purpose of this section of the interview is to record all of the fruits and vegetables the respondent ate on the previous day. The approach is to ask about the fruits, vegetables, and juices eaten at each meal/snack. The section is in four parts: morning meal, midday meal, evening meal, and other meals and snacks. For each part you repeat the same set of questions, and follow the same instructions for recording the foods. Basically you are completing a list of fruits and vegetables including salads and you are getting an estimate of the number of servings consumed.

Sound easy? It is! We have some suggestions that will make it easy to enter the answers.
This system has been developed over the last SIX surveys since 1989 and it works well.

Note: it is OK to interview respondents who work for the Health Department

Definition of Terms

Meals:

We use the terms "morning meal," "midday meal," and "evening meal" in place of the terms "breakfast," "lunch," and "dinner/supper" so that the respondent is clear about the time of day being referenced (morning, midday or evening). Once this is clear, if the respondent uses the term "breakfast," etc., you can switch to the more accurate time of day term.

Some respondents will say that they never eat meals, but snack all day long or eat several small meals. In this case, ask them to designate one of these "snacks/mini-meals" as the main meal for each time period (morning, midday, evening!!). Any other snacks or mini-meals will be included in the snacks or other meals.

Servings:

While we define at the very beginning that a serving is whatever the respondent feels to be a normal portion for himself/herself, you may have to occasionally remind respondents of this definition.

- **Fractions of Servings:** CATI does not allow you to enter fractions of servings, yet many respondents will answer in half serving increments. You need to find out from them if it is closer to the higher or the lower number.

Respondent: *"Oh, it was a pretty big serving. I would say one and a half servings."*
Probe: *"I can only enter a whole number, would you say that was closer to one or closer to two servings?"*

If respondent persists that it was *one and a half* servings, enter it as 2.

If the respondent says it was less than one serving, probe this way:

Respondent: *"Gee, I really just had a tiny bit of the eggplant. Maybe a half serving."*
Probe: *"Would you say that was more or less than half a serving?"*

- **If less than 1/2 serving**: Enter "0" servings. This "0" indicates that they had the food, but not very much of it. It must be entered as a "0" so we can process it appropriately later.

- **If more than 1/2 serving**: Enter "1" serving.

Forms of F&V:

At the outset we tell the respondents that we want to know about ***all forms of fruits and vegetables eaten***, including fresh, frozen, canned, etc. You may need to remind them of this if they seem uncertain if something "counts."

Entering the Fruit, Vegetable, and Juice Names:

You must enter all of the fruits, vegetables, and juices mentioned by the respondent.

IT IS CRITICAL THAT YOU TYPE ALL FOOD NAMES ACCURATELY.

Any spelling mistakes (even one wrong letter) prevents the system from recognizing the food at the time the food is coded at the conclusion of the project. In order to help with this process, we have provided you with a really cool list of abbreviations of the most common fruits and vegetables. Using these abbreviations will speed up your data entry and will also result in fewer errors.

There are two options for entering the names:

1. **Type in the entire name accurately (spell correctly!)**
2. **Learn and use the common abbreviations (easy and fun!).**

DO NOT MAKE UP YOUR OWN ABBREVIATIONS AS YOU GO!

This is a very bad thing to do. However, if you regularly come across foods that are not on the list that could be abbreviated, inform the lab supervisor and we may either adopt your suggested abbreviation or some similar abbreviation for everybody to use and appreciate.

How to Record Vegetables:

First you must determine that the food is an allowable vegetable to be entered.

Do not record the following:

NOT ALLOWED:

1. relishes or condiments- ketchup, relish, pickles, olives
2. dried beans or peas, legumes (such as kidney beans, lentils, split peas, refried beans, pinto beans, baked beans, etc.)
3. any kind of nuts (peanuts, chestnuts, cashew nuts, etc.)

Note: **SALSA IS ALLOWED.**

Foods will be reported to you as either a **single vegetable item** (corn on the cob) or as **mixed foods** containing vegetables (tossed salad, minestrone soup, spinach frittata, etc.). Follow the instructions below for dealing with each type.

Single Vegetable Items:

For these, enter the name only. The *form* of vegetable eaten, such as canned, fresh, or frozen, is not necessary. Some examples:

Food	Entry-full spelling	Entry-abbreviation
Broccoli	BROCCOLI	BROC
Peas	PEAS	PEAS

Mixed Vegetable items:

There are several rules for recording mixed vegetable items, depending on what was actually eaten. A mixed vegetable may be reported as "mixed vegetables,: "stir fry vegetables," "vegetable soup," "chow mein vegetables," or even "peas and carrots." Never record more than TWO specific vegetables for a mixed vegetable. Type a slash between the names of different vegetables.

First, you need to find out what was actually eaten. Use these PROBES:

"What specific vegetables were in the mixture? Was there more of any one particular vegetable in the mixture?"

The answer should fit into one of the following categories:

Category 1.

Food	Entry-full spelling	Entry-abbreviation
Mixed veg., two items only	PEAS/CARROTS	PEAS/CAR

When there are only two items, list them both separated by a slash. ***Do not call this a mixed vegetable****.*

Note: Sauerkraut is accepted as a vegetable

Category 2.

MIXED VEGETABLES = MV

Food	Entry-full spelling	Entry-abbreviation
Mixed veg., mostly broccoli	MV/BROCCOLI	MV/BROC

Although this is mainly broccoli, it does have other vegetables mixed with the broccoli, and thus requires the **MV** *to specify that fact.*

Category 3.

Food	Entry-full spelling	Entry-abbreviation
Mixed veg., no main item	MV	MV

If the respondent lists more than 2 vegetables, and cannot specify any one vegetable as the main vegetable, just call it MV.

Potatoes:

If the respondent names potato, PROBE to find out if they had regular potatoes (mashed, baked, or boiled) or French fries or other fried potatoes. The potato entries are as follows:

Food	Entry-full spelling	Entry-abbreviation
Potato	POTATO	POT
Fried potato	POTATO FRIED	POT FRI
Hash brown	POTATO FRIED	POT FRI
Sweet potato	POTATO SWEET	POT SWE

Potato salad is covered under salads and potato soup under soups.

Salad: *(rev 2/11/02)*

GREEN SALAD = GS

Salad that includes lettuce or other field greens is entered as **green salad (GS).** This is the only way it should be entered and the only item that is named green salad. A salad that contains only spinach is a "spinach salad." A salad that contains only cabbage is a "coleslaw salad." If a green salad also contains spinach or cabbage, it is still a green salad.

(1) If the respondent says that he/she had a mixed vegetable salad or something similar, *ask if the salad included any lettuce or greens*. If yes, you must then probe for one or two main fruits or vegetables.

Food	Entry-full spelling	Entry-abbreviation
salad with lettuce or other field greens	GREEN SALAD	GS
green salad with tomato	GREEN SALAD/TOMATO	GS/TOM
mixed green salad mostly onion, broccoli	GREEN SALAD/ONION/BROCCOLI	GS/ON/BROC

(2) If the salad had no lettuce or field greens, name it as a mixed vegetable, adding salad to its name.

Food	Entry-full spelling	Entry-abbreviation
veg. salad with one veg. (potato)	POTATO SALAD	POT SAL
veg. salad with one veg (cabbage)	COLESLAW SALAD	
mixed salad with one main vegetable (broccoli)	VEG. SALAD/BROCCOLI	VEG SAL/BROC
mixed veg salad with no main veg.	VEG. SALAD	VEG SAL

Soups and Other Mixed Dishes:

Use the same probing method as for mixed vegetables. Probe for main vegetable if it is not specified.

(1) Soups:

Food	Entry-full spelling	Entry-abbreviation
veg. soup with one veg.(tomato)	TOMATO SOUP	TOM SOUP
mixed veg. soup , carrots as main veg.	VEG SOUP/CARROTS	VEG SOUP/CAR
mixed veg soup, many vegs	VEG SOUP	VEG SOUP

(2) For mixtures of vegetables and non-vegetables, enter the vegetables only.

Food	Entry-full spelling	Entry-abbreviation
combo meat/veg pizza	MV	MV
chow mein	MV	MV

Note: tomato sauce is accepted as a vegetable if there is a significant amount in the dish (enter TOM SAUCE).
Note: Tofu or other soybean products are not accepted as vegetables

Sandwich Garnish:

Often a respondent will tell you about the lettuce and/or tomato that they had on a sandwich and ask "Does that count?" Yes, it does, but it is entered in a special way:

Food	Entry-full spelling	Entry-abbreviation
lettuce on sandwich	-	L ON S
lettuce, tomato on sandwich	-	LT ON S
Alfalfa sprouts on sandwich	-	SPROUTS ON S

"Sandwich" is a general term, and includes burritos, tacos, hamburgers, etc. All get coded as "S." If the respondent does not volunteer that a serving of lettuce and/or tomato was on a sandwich, probe to find out if the lettuce was on a sandwich, burrito, etc. or part of a salad and enter accordingly.

To probe for the number of servings, ask:

"About how many servings of lettuce and tomato did you have?"

Lettuce and tomato (about one leaf and one slice) on one sandwich (or taco, etc.) should be entered as "0" since it is less than ½ serving of a lettuce and tomato salad. If R had a relatively large serving or more than one sandwich, the correct probe may reveal that for R it was ½ a serving or more and thus can be entered as "1". *(rev 2/4/02 cd)*

How to Record Fruits:

Do not include fruit pies, jam, jelly, preserves, fruit leather (roll ups), or any fruit processed with sugar. Fruit in yogurt container does not count either (However, if the respondent added yogurt to any fresh or dried fruit they were eating, that fruit does count). Other fruit in dessert is all right, such as fruit in Jell-O, or fresh strawberries in strawberry shortcake, as long as it is still in an unsweetened form.
Note: Do not put plurals for large items. Put PEACH or APPLE (not peaches or apples). RAISINS or other small items are ok to put in plural form.

Dried fruit is the only *form* that needs to be specified.

MIXED FRUIT = MF

Handle mixed fruit in the same way you would a mixed vegetable item; but list as MF, not as fruit salad.

Food	Entry-full spelling	Entry-abbreviation
strawberry shortcake	STRAWBERRY	STRAW
apple	APPLE	AP
banana smoothie	BANANA	BAN
peach, dried	PEACH DRIED	
mixed fruit, mainly pineapple	MF/PINEAPPLE	MF/PINE
mixed fruit, no main ingredient	MF	MF
mixed dried fruit, mainly raisins	MIXED DRY FRUIT/ RAISINS	

Melon:

Enter the name of the particular kind of melon eaten - cantaloupe, etc. Do not add the term melon to the name of a type of melon (for example, enter "HONEYDEW," not "HONEYDEW *MELON*")

If the respondent says just "melon," probe to find out what kind. Use the term melon only in cases where the respondent does not know what kind he/she ate.

How to Record Juices:

For this study we are only including **100% juices**: no juice drinks, lemonade, fruit punch, Tang, juice in wine coolers, or juices with any added sugar (such as Five Alive). We are also not counting mixed drinks made with juice (e.g. screwdrivers).

When the respondent says they had a juice, you need to find out what kind, and also ask if it was 100% juice. If they don't know, ask if they can recall the brand name, and enter that brand name.

WHEN IN DOUBT IF IT IS A 100% JUICE OR NOT, ASK FOR AND ENTER THE BRAND NAME (*we will look it up and correct it later*).

For mixed juices, use the same terminology as for other mixtures: **V8** is an acceptable entry for mixed vegetable juice.
Note: ALOE VERA JUICE is not accepted as vegetable juice entry.

Food	Entry-full spelling	Entry-abbreviation
juice with two ingredients	APPLE/GRAPE JUICE	AP/GRAPE JU
mixed juice, mainly orange	FRUIT JUICE/ORANGE	
mixed juice, several kinds	FRUIT JUICE	

Orange juice:

In the past it has appeared that the reported consumption of orange juice by study respondents was higher than expected. This could have been due to people reporting other sorts of orange "drinks" as orange juice. Therefore, we want to make sure that the orange juice that people are reporting is **100% juice**. So, for this category, it is especially important to ask first, "*Was that 100% orange juice?*" and then to ask for the brand name if the respondent has any doubt about it being a 100% juice

Abbreviations For Common Fruits & Vegetables

AP	**AP**PLE
AP JU	**AP**PLE **JU**ICE
ART	**ART**ICHOKE
ASP	**ASP**ARAGUS
AVO	**AVO**CADO
BAN	**BAN**ANA
BROC	**BROC**COLI
CAB	**CAB**BAGE
CANT	**CANT**ALOUPE
CAR	**CAR**ROT
CAR JU	**CAR**ROT **JU**ICE
CAU	**CAU**LIFLOWER
CEL	**CEL**ERY
CRAN	**CRAN**BERRIES
CRAN JU	**CRAN**BERRY **JU**ICE
CUC	**CUC**UMBER
FRU JU	**FRU**IT **JU**ICE
GRE BEAN	**GRE**EN **BEAN**
GRE PEP	**GRE**EN **PEP**PER
GS	**G**REEN **S**ALAD
L	**L**ETTUCE
L ON S	**L**ETTUCE **ON S**ANDWICH
LT ON S	**L**ETTUCE, **T**OMATO **ON S**ANDWICH
MEL	**MEL**ON
MF	**M**IXED **F**RUIT
MUSH	**MUSH**ROOMS
MV	**M**IXED **V**EGETABLES
ON	**ON**ION
OR	**OR**ANGE
OJ	**O**RANGE **J**UICE
PEP	**PEP**PER
PINE	**PINE**APPLE
POT	**POT**ATO
POT FRI	**POT**ATOES - **FRI**ED
POT SWE	**POT**ATO - **SWE**ET
PRU	**PRU**NE
PRU JU	**PRU**NE **JU**ICE
RAD	**RAD**ISH
RAI	**RAI**SINS
SPIN	**SPIN**ACH
STRAW	**STRAW**BERRY
SQU	**SQU**ASH (*specify type*)
SQU WIN	**WIN**TER **SQU**ASH
SQU SUM	**SUM**MER **SQU**ASH
TAN	**TAN**GERINE
TOM	**TOM**ATO
TOM JU	**TOM**ATO **JU**ICE
VEG JU	**VEG**ETABLE **JU**ICE
WAT	**WAT**ERMELON
ZUC	**ZUC**CHINI

APPENDIX II

More Fruit & Vegetable Codes

EXAMPLES OF ACCEPTABLE ENTRIES

ALSO OK ENTRY	BETTER!!
ALFALFA SPROUTS	**SPROUTS**
APPLE	**AP**
ARTICHOKE	**ART**
BANANA	**BAN**
CANTALOUPE	**CANT**
CARROT	**CAR**
CARROTS	**CAR**
CARROT & RAISIN SALAD	**CAR/RAI**
GREEN BEANS	**GRE BEAN**
GREEN SALAD	**GS**
GREEN SALAD/TOMATO/CARROTS	**GS/TOM/CAR**
HONEYDEW MELON	**MEL**
MIXED FRUIT	**MF**
MIXED VEGETABLES/ CARROTS/CABBAGE	**MV/CAR/CAB**
MIXED VEGETABLES/BROCCOLI/CARROTS	**MV/BROC/CAR**
ORANGE	**OR**
ORANGE JUICE	**OJ**
PINEAPPLE	**PINE**
PLUMS	**PLUM**
POTATO	**POT**
RAISINS	**RAI**
STAWBERRIES	**STRAW**
STRING BEANS	**GRE BEAN**

Fruit & Vegetable Entries - Common MISTAKES!

OK?	ENTRY	CHANGE TO	REASON
No!	APPLE SAUCE	**APPLESAUCE**	extra space
No!	AVACADO	**AVO**	misspelled
No!	BANNANA	**BAN**	misspelled
No!	BLACK CHERRIE JU	**CHERRY JU**	too specific
No!	CANNED PEACHES	**PEACH**	no form needed
No!	CANNED PEARS	**PEAR**	no form needed
No!	CANTELOPE	**CANT**	misspelled
No!	CATELOPE	**CANT**	misspelled
No!	CATELOUPE	**CANT**	misspelled
No!	FRESH APPLE	**AP**	no form needed
No!	FRUIT JUICE/ORANGE	**OJ**	too specific
No!	FRUIT SALAD/WAT	**MF/WAT**	never use fruit salad
No!	GREEN SALAD/TOMATO/AVACADO	**GS/TOM/AVO**	misspelled
No!	GREEN SALAD\TOM	**GS/TOM**	use all abbreviations
No!	MV/SALSA	**SALSA**	salsa has own code
No!	OLIVES	***EXCLUDE***	not counted
No!	PEARS (CANNED)	**PEAR**	no form needed
No!	RAISIN TOAST	***EXCLUDE***	not counted
No!	RASBERRIES	**RASPBERRIES**	misspelled
No!	RICE W/ TOM	***EXCLUDE***	primarily grain

SECTION V

RESPONDENT DEMOGRAPHICS

Q601/Q602
Birth date is preferred, otherwise get an age. If a range is given find out if they are closer to one or the other and enter a single number. If R is reluctant, it is ok to take an approximate age.

Q603
Yes, ask male or female, R knows you are just asking because you have to ask.

Q604
You must ask all even if interview is conducted in Spanish. Affirmative answers can be Latino/a, Hispanic, Mexican, Mexican-American, Mexicano, Chicano/a, any Central or South American country. Generally, European Spanish, i.e., from Spain, does not count but this is only if R asks you. In almost all cases you'll get a simple yes or no answer.

Q605
Read the question exactly as worded. YES, you can select MORE THAN ONE. The tricky part here is to understand that persons who are Latino/Hispanic, which is considered an ethnicity, STILL NEED TO SELECT A RACE. This distinction is what the State of California and the US Department of the Census maintains and is not necessarily the way people view themselves so we have both a difficult and delicate job to do here. The rule of thumb here is ALWAYS respect and take how people describe themselves. For the majority of Latino persons, their race will be white. You will get answers such as "Mexican" or "Mexican American" or "Latino" or even "Brown" -- don't force the issue if that is how the respondent wants to describe themselves. You should **always re-read the question** to try to get one or more of the **listed choices**, otherwise, if that still gets something else, enter what R tells you in the "Other Specify" field. Also expect, **after re-reading the question**, answers such as "American" or "Jewish" or any of a variety of nationalities. Use the "Other Specify" for these types of answers if that's what R tells you.

Q606
Here we ask those who had more than one race or were Latino and one other race besides white which one they MOST identify with. "Both" "All" "Multiracial" are fine answers so select it (choice 8) and move on.

Q607 and Q608
If not born in the USA they will be asked Q608. Enter the number of years they give you. Take the time for them to figure the math if they answer "since 1988." (ASK: "so how may years is that?" ANS: 12 years).

Q609-Q613
Is asked of all Latino persons.

Q614

The key here is the highest grade COMPLETED not how just many years in school. We can take "5th year college" and degrees such as a masters degree or professional schools. Take high school graduate or any college level over vocational, business or trade school levels if given the choice.

Q615

This is the TOTAL household income from all related household members combined, BEFORE any taxes or deductions are taken out. This income can come from all sources (salaried jobs, alimony, government assistance, child support, etc.)

Q618

This is the number of people, **including babies and children**, that live off of this income, that is, "supported by" this income.

Q619

All children **including babies**.

Q620

We want different TELEPHONE NUMBERS that people answer NOT the number of telephones in the house. DO NOT include cell/mobile phones or numbers that people don't answer by voice and are **dedicated** to computers, fax machines or other data modems.

Q621

This is just what it says. Exclusively for home/personal use (including teen phones), for both home and business purposes, or exclusively for business use.

Q622

This is the number of months this household had NO telephone service. Count less than one month as one month. Round 1/2 month up to the next month, round less than 1/2 month down. Most people will give you a whole number but you can ask, for example, "is that about two months or about three months?"

APPENDIX II

APPENDIX III

Appendix E
RDD Sample Disposition Reports

	AAPOR Disposition	November/December* 2000	January 2001	February 2001	March 2001	April 2001	May 2001	June 2001	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	July 2002	August 2002	September 2002	October 2002	Total
Complete African American	1100	15	6	4	3	5	7	5	2	5	5	4	7	6	4	8	10	7	4	4	7	3	4	5	130
Complete Hispanic	1101	31	24	14	14	17	12	19	14	19	17	13	12	18	9	13	17	15	17	21	12	18	14	12	372
Complete White	1102	144	73	73	75	80	71	72	84	67	77	70	70	75	62	72	82	67	78	72	71	66	66	68	1735
Complete Other	1103	35	12	17	16	16	14	12	9	18	24	18	20	18	15	18	21	13	14	21	12	18	16	10	387
LI complete African American	1110	9	4	0	1	2	3	1	1	0	9	1	0	0	1	1	2	1	1	0	4	3	4	0	48
LI complete Hispanic	1111	36	9	4	11	19	14	10	10	16	18	13	8	9	10	7	4	14	13	13	15	12	9	13	287
LI complete White	1112	29	16	9	14	9	15	13	13	19	9	19	17	14	16	13	18	10	6	14	6	15	15	9	318
Partial English	1200	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	5
Partial Spanish	1210	3	0	8	5	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	19
Refusal Eligible	2110	65	33	27	26	19	35	23	25	46	50	24	31	22	16	21	38	29	24	31	37	28	26	16	692
Respondent never available	2210	41	12	8	12	23	20	20	9	36	12	9	3	19	12	18	16	45	25	42	26	39	28	30	505
Answering machine	2221	126	68	61	81	94	75	79	79	83	78	77	53	61	36	50	112	91	79	89	66	64	38	52	1692
Phys/Mentally Unable	2320	13	3	4	4	4	7	4	3	6	4	4	6	3	8	7	13	16	18	13	17	23	12	16	208
Language Barrier	2330	18	18	12	10	13	27	13	18	11	14	12	17	13	5	0	13	18	22	17	16	20	11	16	334
Busy	3120	14	18	15	16	10	19	17	16	13	14	11	12	12	19	7	18	20	20	19	10	16	20	18	354
No Answer	3130	190	95	105	114	99	105	90	98	95	109	88	117	102	77	85	125	141	127	148	127	107	133	117	2594
Unknown Elig. Refusal/No Scrnr	3210	146	75	100	94	69	84	73	72	20	125	88	97	120	68	111	149	197	145	179	148	149	126	130	2565
Fax/Data line	4200	66	18	25	32	20	23	18	31	25	30	24	21	25	15	22	36	45	44	45	29	39	61	66	760
Non-working number	4310	77	26	41	44	9	31	18	35	25	46	22	35	34	19	41	66	67	51	63	59	51	47	58	965
Disconnected	4320	19	25	15	30	48	25	33	24	21	29	40	29	13	43	29	37	51	70	44	39	36	23	18	741
Non-Residential / Business number	4510	90	31	31	63	34	32	30	32	37	38	33	33	36	35	36	50	45	41	41	38	32	43	40	921
No Eligible Respondent	4700	31	33	10	1	10	6	23	20	36	15	14	7	0	30	37	70	8	1	24	11	11	3	6	407
Quota Full	4800	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Null Attempt	5000	0	0	0	3	0	0	1	1	2	0	0	0	0	0	4	3	0	0	0	0	0	0	0	14
Callback Rsp Not selected	5100	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
English Callback	5200	0	0	1	4	0	0	0	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	10
Spanish Callback	5210	2	1	16	27	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	47
Total		1200	600	600	700	600	625	574	599	600	724	594	597	600	500	600	900	900	800	900	750	750	700	700	16113
Response Rate 1		0.33	0.31	0.26	0.20	0.31	0.27	0.29	0.29	0.32	0.28	0.30	0.29	0.28	0.33	0.31	0.24	0.19	0.22	0.21	0.22	0.23	0.24	0.23	0.27
Refusal Rate 1		0.07	0.07	0.06	0.05	0.04	0.07	0.05	0.05	0.10	0.09	0.05	0.07	0.04	0.04	0.05	0.06	0.04	0.04	0.05	0.06	0.05	0.05	0.03	0.06

* November and December 2000 are treated as one month for AAPOR dispositions, but the number of completes are separated by month below

* November 2000	December 2000
6	9
15	16
68	76
20	15
5	4
22	14
16	13

APPENDIX III

Appendix E
Targeted Sample Disposition Reports [Some unknown portion of cases may be Low-Income cases - cd]

	AAPOR Disposition	November/December* 2000	January 2001	February 2001	March 2001	April 2001	May 2001	June 2001	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	July 2002	August 2002	September 2002	October 2002	Total
Complete African American	1100	51	42	53	46	58	55	66	43	49	60	55	75	66	62	49	62	53	48	48	51	53	45	51	1241
Complete Hispanic	1101	33	16	34	37	35	27	41	27	32	27	19	25	26	39	26	29	22	21	29	34	29	33	25	666
Complete White	1102	27	0	4	4	2	12	7	3	2	3	2	2	3	4	1	1	0	2	2	4	1	0	1	87
Complete Other	1103	14	0	2	3	4	6	7	6	1	4	7	1	1	2	5	5	0	6	3	3	7	0	3	90
LI complete African American	1110	60	20	21	32	20	34	29	33	37	30	42	55	42	32	34	34	35	30	34	30	29	32	23	768
LI complete Hispanic	1111	111	27	38	39	32	36	37	35	32	29	50	37	43	31	34	30	28	26	24	28	25	19	26	817
LI complete White	1112	69	13	31	31	28	27	31	23	23	18	12	8	9	6	13	10	11	8	11	7	5	9	9	412
Partial English	1200	3	1	1	3	0	0	10	3	3	3	7	6	7	10	2	4	1	2	5	1	3	1	0	76
Partial Spanish	1210	7	4	4	4	0	14	8	6	4	8	5	5	1	4	20	13	5	0	4	1	0	12	0	129
Refusal Eligible	2110	135	53	35	27	51	57	45	53	47	43	36	39	33	30	55	38	54	36	48	27	34	28	24	1028
Respondent never available	2210	78	10	23	20	117	55	36	25	57	29	11	21	31	17	156	21	56	29	108	58	117	220	169	1464
Answering machine	2221	315	160	203	228	199	204	177	188	209	171	165	229	175	169	158	222	153	153	157	177	120	108	133	4173
Phys/Mentally unable	2320	30	2	15	12	10	19	19	19	28	25	27	28	29	22	17	16	12	15	9	26	31	25	32	468
Language Barrier	2330	95	40	33	57	57	50	49	59	41	40	36	51	49	32	26	38	20	30	37	35	46	45	60	1026
Busy	3120	75	32	69	39	53	34	42	42	47	33	31	36	29	28	26	42	32	26	33	30	32	45	39	895
No Answer	3130	617	270	361	258	304	354	301	342	321	242	216	300	259	205	224	252	258	225	243	263	222	304	281	6622
Unknown Elig. Refusal/No Scrnr	3210	429	181	281	259	191	174	272	247	253	239	253	248	321	252	309	312	373	235	290	345	300	242	226	6232
Fax/Data line	4200	127	65	72	98	80	87	91	90	87	75	64	73	91	59	64	68	72	65	55	93	119	155	132	1982
Non-working number	4310	218	124	183	181	189	167	130	154	229	139	161	134	182	111	157	140	144	83	123	164	135	138	129	3515
Disconnected	4320	40	23	13	8	13	9	34	19	15	6	0	27	11	4	22	35	61	55	90	47	58	61	79	730
Non-Residential / Business number	4510	185	82	119	137	118	104	91	118	120	73	89	107	104	53	82	65	79	59	54	73	61	84	77	2134
No Eligible Respondent	4700	16	3	19	20	20	12	23	19	15	17	25	15	13	17	42	14	20	2	12	17	17	7	7	372
Race/Income Ineligible	4800	565	270	294	256	348	402	326	267	360	209	160	207	175	149	210	205	127	93	229	134	193	179	188	5546
Quota Full	4810	79	32	28	25	50	49	62	74	53	68	43	96	64	55	39	29	54	51	52	52	63	108	86	1312
Null Attempt	5000	6	0	0	0	0	3	0	5	1	2	0	7	2	0	6	7	0	0	0	1	0	0	0	40
Callback Rsp Not selected	5100	27	21	30	14	21	8	0	5	2	2	7	1	10	0	6	0	10	0	0	0	0	0	0	164
English Callback	5200	11	5	14	12	0	0	0	1	3	0	2	2	17	3	7	4	7	0	0	0	0	0	0	88
Spanish Callback	5210	10	4	20	57	0	1	0	3	8	5	0	3	7	4	9	4	13	0	0	0	0	0	0	148
Total		3433	1500	2000	1907	2000	2000	1934	1909	2079	1600	1525	1838	1800	1400	1799	1700	1700	1300	1700	1701	1700	1900	1800	42225
Response Rate 1		0.17	0.14	0.15	0.11	0.15	0.17	0.18	0.15	0.15	0.17	0.19	0.17	0.17	0.19	0.14	0.15	0.13	0.16	0.14	0.14	0.14	0.12	0.13	0.16
Refusal Rate 1		0.06	0.06	0.03	0.02	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.05	0.03	0.05	0.04	0.04	0.02	0.03	0.02	0.02	0.04

***** November and December 2000 are treated as one month for AAPOR dispositions, but the number of completes are separated by month below.

*	November 2000	December 2000
	15	36
	13	20
	32	28
	72	39
	42	26

APPENDIX III

Appendix E
Low-Income Sample Disposition Reports [Some unknown portion of cases may be included in the Targeted sample report - cd]

	AAPOR Disposition	December 2000	January 2001	February 2001	March 2001	April 2001	May 2001	June 2001	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	July 2002	August 2002	September 2002	October 2002	Total
Complete African American	1100	3	0	5	3	2	5	3	6	0	2	4	2	4	3	6	2	0	1	2	2	1	0	1	57
Complete Hispanic	1101	4	0	2	1	5	3	0	2	0	1	0	4	3	3	7	4	0	0	2	3	3	0	2	49
Complete White	1102	1	0	2	3	2	0	4	2	1	3	1	0	3	3	1	4	0	5	2	4	2	2	2	47
Complete Other	1103	1	0	3	4	4	3	3	2	2	0	2	2	0	1	1	3	0	0	0	2	2	4	3	42
LI complete African American	1110	11	28	36	16	33	32	25	25	13	19	19	15	22	19	12	19	16	16	17	15	22	15	25	470
LI complete Hispanic	1111	12	20	38	17	20	22	13	16	19	10	9	18	16	15	16	18	23	18	17	16	20	22	22	417
LI complete White	1112	10	18	21	23	21	11	16	20	13	21	20	27	31	33	24	19	25	38	24	34	30	31	35	545
Partial English	1200	0	0	3	4	0	2	0	0	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	15
Partial Spanish	1210	2	3	4	3	4	5	2	2	1	5	9	6	0	4	6	5	7	0	1	0	0	3	0	72
Refusal Eligible	2110	21	23	25	94	70	30	8	32	20	15	5	11	26	6	22	18	39	8	17	16	10	10	14	540
Respondent never available	2210	7	51	15	156	42	10	134	12	14	8	8	8	34	28	179	23	78	21	95	46	84	88	125	1266
Answering machine	2221	57	106	204	64	194	81	1	125	118	94	89	92	155	122	46	172	162	110	106	143	131	86	88	2546
Phys/Mentally unable	2320	5	8	10	13	17	10	10	12	9	15	10	9	17	17	32	15	6	11	14	25	16	27	29	337
Language Barrier	2330	18	23	28	22	25	19	24	32	27	25	23	22	30	32	34	34	27	18	31	23	30	27	28	602
Busy	3120	10	14	35	7	20	12	13	19	19	21	13	22	17	18	15	43	39	29	26	34	17	27	28	498
No Answer	3130	116	138	304	76	222	160	169	230	137	139	146	148	212	215	94	231	272	214	213	251	239	254	205	4385
Unknown Elig. Refusal/No Scrnr	3210	77	103	236	140	99	68	165	150	133	138	143	117	185	186	198	267	252	199	228	338	263	260	264	4209
Fax/Data line	4200	24	33	67	51	55	36	40	53	37	42	35	42	57	56	55	61	78	55	63	80	106	94	114	1334
Non-working number	4310	52	81	100	117	110	80	108	102	113	79	65	88	115	87	129	123	155	93	144	196	151	141	141	2570
Disconnected	4320	8	12	15	8	17	8	30	36	17	28	20	13	31	39	26	47	96	22	65	63	50	45	47	743
Non-Residential / Business number	4510	54	61	108	53	69	47	52	68	49	45	41	52	80	55	67	74	84	65	49	59	60	60	56	1408
No Eligible Respondent	4700	3	3	15	8	8	1	21	9	7	5	4	4	4	18	30	10	12	2	28	14	9	6	3	224
Race/Income Ineligible	4800	148	164	175	136	185	134	142	162	134	170	112	122	230	194	187	229	274	159	201	186	211	192	168	4015
Quota Full	4810	101	136	186	132	161	130	125	177	108	135	112	100	157	143	106	171	155	116	155	150	143	206	200	3305
Null Attempt	5000	0	0	4	0	1	2	0	1	1	3	2	1	0	0	6	2	0	0	0	0	0	0	0	23
Callback Rsp Not selected	5100	3	11	30	6	6	3	0	2	2	0	2	1	0	0	0	5	0	0	0	0	0	0	0	71
English Callback	5200	1	8	34	5	2	0	0	2	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	55
Spanish Callback	5210	2	6	95	52	6	0	0	0	4	0	4	0	0	0	1	1	0	0	0	0	0	0	0	171
Total		751	1050	1800	1214	1400	914	1108	1299	1000	1025	898	928	1429	1300	1300	1600	1800	1200	1500	1700	1600	1600	1600	30016
Response Rate 1		0.12	0.12	0.11	0.07	0.11	0.16	0.11	0.10	0.09	0.11	0.11	0.14	0.10	0.11	0.10	0.08	0.07	0.11	0.08	0.08	0.09	0.09	0.10	0.10
Refusal Rate 1		0.06	0.04	0.03	0.02	0.09	0.06	0.01	0.05	0.04	0.03	0.01	0.02	0.03	0.01	0.03	0.02	0.04	0.01	0.02	0.02	0.01	0.01	0.02	0.03

APPENDIX III

Appendix G

Food Codes

FOOD	CODE
ACKEE	639999
ALFALFA SPROUTS	751005
APPLE	631010
APPLE JUICE	641040
APPLE SAUCE	631011
APPLE/CARROT	639999
APPLE/CARROT JUICE	649999
APPLE/CHERRY JUICE	649999
APPLE/CRANBERRY JUICE	649999
APPLE/GRAPE JUICE	649999
APPLE/ORANGE JUICE	649999
APRICOT	631030
APRICOT JUICE	642010
APRIUM	639999
ARTICHOKE	752010
ASPARAGUS	751020
ASPARAGUS JUICE	749999
ASPARAGUS SOUP	759999
AVOCADO	631050
AVOCADO ON SANDWICH	759999
AVOCADO/ONION ON SANDWICH	759999
AVOCADO/SALSA	759999
AVOCADO/SALSA ON SANDWICH	759999
AVOCADO/TOMATO ON SANDWICH	759999
BANANA	631070
BANANA JUICE	649999
BANANA/STRAWBERRY JUICE	649999
BEAN SPROUTS	751010
BEETS	751025
BELL PEPPER	751220
BELL PEPPER/ONION ON SANDWICH	759999
BELL PEPPERS ON SANDWICH	761722
BERRIES	632001
BERRY JUICE	634000
BITTER MELON	759999
BLACKBERRIES	632010
BLUEBERRIES	632030
BLUEBERRY JUICE	649999
BLUEBERRY/STRAWBERRY ON SANDWICH	639999
BOK CHOY	751040
BOYSENBERRIES	639999
BROCCOFLOWER	759999
BROCCOLI	722011
BROCCOLI SOUP	759999
BROCCOLI/CABBAGE ON SANDWICH	759999
BRUSSEL SPROUTS	751027
BUTTERNUT SQUASH	733010
CABBAGE	751030
CABBAGE ON SANDWICH	759999
CABBAGE/CARROT ON SANDWICH	759999
CABBAGE/TOMATO ON SANDWICH	759999
CACTUS	751055
CANTALOUPE	631090
CANTALOUPE JUICE	649999
CARROT	731010
CARROT JUICE	731050
CARROT ON SANDWICH	761730
CARROT/APPLE JUICE	649999
CARROT/CELERY JUICE	749999
CARROT/PINEAPPLE JUICE	749999
CARROT/POTATO ON SANDWICH	759999
CARROT/TOMATO ON SANDWICH	759999
CAULIFLOWER	751070
CELERY	751090
CELERY ON SANDWICH	759999
CELERY/SALAD	761750
CELERY/TOMATO ON SANDWICH	759999
CHARD	759999
CHERRIES	631150
CHERRY JUICE	641001
CILANTRO	999999
COCONUT	639999
COCONUT JUICE	649999
COLESLAW	764760
COLLARD GREENS	721071
CORN	751096
CORN SOUP	759999
CRANBERRY	632070
CRANBERRY JUICE	641054
CRANBERRY SAUCE	632070
CRANBERRY/APPLE JUICE	634000
CRANBERRY/ORANGE JUICE	649999
CRANBERRY/RASPBERRY JUICE	649999
CRANBERRY/STRAWBERRY JUICE	649999
CUCUMBER	751110
CUCUMBER/TOMATO ON SANDWICH	759999
CURRANTS	639999
DAIKON	759999
DATES	621081
DRIED APPLE	639999
DRIED APPLE/APRICOT	639999
DRIED APRICOT	639999
DRIED BANANA	639999
DRIED CHERRIES	639999
DRIED CRANBERRY	639999
DRIED FIG	639999
DRIED FRUIT	621000
DRIED MANGO	639999
DRIED NECTARINE	639999
DRIED PEACH	639999
DRIED PEAR	639999
DRIED PINEAPPLE	639999
DRIED PRUNES	639999
EGGPLANT	751112
ENDIVE	759999
FENNEL	999999
FIG	631190

APPENDIX III

FRUIT	634000
FRUIT BAR	639999
FRUIT COCKTAIL	633110
FRUIT JUICE	634000
FRUIT JUICE/APPLE RASPBERRY	649999
FRUIT JUICE/APPLE/BANANA	649999
FRUIT JUICE/APPLE/BOYSENBERRY	649999
FRUIT JUICE/APPLE/CARROT	649999
FRUIT JUICE/APPLE/CHERRY	649999
FRUIT JUICE/APPLE/CRANBERRY	634000
FRUIT JUICE/APPLE/GRAPE	649999
FRUIT JUICE/APPLE/KALE	649999
FRUIT JUICE/APPLE/LEMON	649999
FRUIT JUICE/APPLE/PEACH	649999
FRUIT JUICE/APPLE/PEAR	649999
FRUIT JUICE/APPLE/PINEAPPLE	649999
FRUIT JUICE/APPLE/RASPERRY	649999
FRUIT JUICE/APPLE/STRAWBERRY	649999
FRUIT JUICE/BANANA	649999
FRUIT JUICE/BANANA/APPLE	649999
FRUIT JUICE/BANANA/ORANGE	649999
FRUIT JUICE/BANANA/PINEAPPLE	649999
FRUIT JUICE/BANANA/RASPBERRY	649999
FRUIT JUICE/BANANA/STRAWBERRY	999999
FRUIT JUICE/CHERRY/CRANBERRY	649999
FRUIT JUICE/CRANBERRY/APPLE	634000
FRUIT JUICE/CRANBERRY/GRAPE	999999
FRUIT JUICE/CRANBERRY/ORANGE	612110
FRUIT JUICE/CRANBERRY/PEACH	649999
FRUIT JUICE/CRANBERRY/PINEAPPLE	649999
FRUIT JUICE/CRANBERRY/RASPBERRY	999999
FRUIT JUICE/CRANBERRY/STRAWBERRY	649999
FRUIT JUICE/CRANBERRY/TANGERINE	649999
FRUIT JUICE/GRAPE/APPLE	649999
FRUIT JUICE/GRAPE/CELERY	649999
FRUIT JUICE/GRAPE/CRANBERRY	999999
FRUIT JUICE/GRAPEFRUIT/STRAWBERRY	649999
FRUIT JUICE/GRAPEFRUIT/TANGERINE	649999
FRUIT JUICE/KIWI/STRAWBERRY	649999
FRUIT JUICE/MANGO/GRAPE	649999
FRUIT JUICE/MANGO/ORANGE	649999
FRUIT JUICE/MANGO/PINEAPPLE	649999
FRUIT JUICE/MELON	649999
FRUIT JUICE/ORANGE	612100
FRUIT JUICE/ORANGE/APPLE	649999
FRUIT JUICE/ORANGE/BANANA	649999
FRUIT JUICE/ORANGE/CARROT	649999
FRUIT JUICE/ORANGE/CRANBERRY	612110
FRUIT JUICE/ORANGE/GRAPEFRUIT JUICE	649999
FRUIT JUICE/ORANGE/GUAVA	649999
FRUIT JUICE/ORANGE/MANGO	649999
FRUIT JUICE/ORANGE/PAPAYA	649999
FRUIT JUICE/ORANGE/PASSIONFRUIT	649999
FRUIT JUICE/ORANGE/PINEAPPLE	999999
FRUIT JUICE/ORANGE/TANGERINE	612130
FRUIT JUICE/PAPAYA/MANGO	649999
FRUIT JUICE/PAPAYA/SPINACH	649999
FRUIT JUICE/PASSION FRUIT/MANGO	649999
FRUIT JUICE/PEACH/GRAPE	649999
FRUIT JUICE/PEACH/MANGO	649999
FRUIT JUICE/PEAR	649999
FRUIT JUICE/PINEAPPLE	649999
FRUIT JUICE/PINEAPPLE/APPLE	649999
FRUIT JUICE/PINEAPPLE/COCONUT	649999
FRUIT JUICE/PINEAPPLE/GUAVA	649999
FRUIT JUICE/PINEAPPLE/ORANGE	999999
FRUIT JUICE/PINEAPPLE/STRAWBERRY	649999
FRUIT JUICE/STRAWBERRY	649999
FRUIT JUICE/STRAWBERRY/APPLE	649999
FRUIT JUICE/STRAWBERRY/BANANA	649999
FRUIT JUICE/STRAWBERRY/KIWI	649999
FRUIT JUICE/STRAWBERRY/ORANGE	649999
FRUIT SALAD	633110
GARLIC	999999
GINGER	999999
GINGER ROOT	759999
GRAPE JUICE	641160
GRAPE/CRANBERRY JUICE	649999
GRAPEFRUIT	611010
GRAPEFRUIT JUICE	612010
GRAPES	631230
GREEN BEANS	751018
GREEN BEANS ON SANDWICH	759999
GREEN BEANS/CARROT	760730
GREEN ONION	759999
GREEN PEAS	751200
GREEN PEPPER	751220
GREEN PEPPER/CORN ON SANDWICH	759999
GREEN PEPPER/OLIVE ON SANDWICH	759999
GREEN PEPPER/ONION ON SANDWICH	759999
GREEN SQUASH	751280
GREENS	760721
GUACAMOLE	759999
GUAVA	631250
GUAVA JUICE	642030
HONEYDEW	631270
JALAPENO	751220
JALAPENO PEPPER	751220
JICAMA	751118
KALE	759999
KIWI	631265
KIWI JUICE	649999
KIWI/STRAWBERRY JUICE	999999
LEEKS	759999
LEMON	611130
LEMON JUICE	612040
LEMON/LIME	639999
LEMONADE	612040
LETTUCE	751130
LETTUCE ON SANDWICH	751130
LETTUCE/AVOCADO ON SANDWICH	751130
LETTUCE/CELERY ON SANDWICH	759999
LETTUCE/CUCUMBER ON SANDWICH	759999
LETTUCE/GREEN PEPPER ON SANDWICH	751174
LETTUCE/MUSHROOM ON SANDWICH	759999
LETTUCE/ONION ON SANDWICH	751130
LETTUCE/PEPPER ON SANDWICH	759999
LETTUCE/SALSA ON SANDWICH	759999
LETTUCE/SPINACH ON SANDWICH	759999
LETTUCE/SPROUTS ON SANDWICH	759999

APPENDIX III

LETTUCE/TOMATO	760740
LETTUCE/TOMATO ON SANDWICH	751174
LIMA BEANS	751020
LIME	611160
LIME JUICE	999999
LOGANBERRIES	639999
LYCHEE	639999
MANGO	631290
MANGO JUICE	642040
MANGO/BERRY JUICE	649999
MANGO/GUAVA JUICE	649999
MELON	631500
MELON JUICE	641000
MIXED FRUIT	633110
MIXED FRUIT DRIED	621000
MIXED FRUIT/APPLE	639999
MIXED FRUIT/APPLE/APRICOT	639999
MIXED FRUIT/APPLE/BANANA	633113
MIXED FRUIT/APPLE/CARROT	639999
MIXED FRUIT/APPLE/CELERY	639999
MIXED FRUIT/APPLE/CHERRY	639999
MIXED FRUIT/APPLE/GRAPES	639999
MIXED FRUIT/APPLE/ORANGE	631111
MIXED FRUIT/APPLE/PEACH	639999
MIXED FRUIT/APPLE/PEAR	639999
MIXED FRUIT/APPLE/PINEAPPLE	639999
MIXED FRUIT/APPLE/PRUNE	639999
MIXED FRUIT/APPLE/RAISIN	639999
MIXED FRUIT/APPLE/TANGERINE	639999
MIXED FRUIT/APRICOT/APPLE	639999
MIXED FRUIT/APRICOT/PEACH	639999
MIXED FRUIT/APRICOT/PEAR	639999
MIXED FRUIT/BANANA	633113
MIXED FRUIT/BANANA/APPLE	633113
MIXED FRUIT/BANANA/BLUEBERRIES	633113
MIXED FRUIT/BANANA/CANTALOUPE	631091
MIXED FRUIT/BANANA/CHERRY	639999
MIXED FRUIT/BANANA/GRAPE	639999
MIXED FRUIT/BANANA/MANGO	639999
MIXED FRUIT/BANANA/MELON	639999
MIXED FRUIT/BANANA/ORANGE	611191
MIXED FRUIT/BANANA/PEAR	639999
MIXED FRUIT/BANANA/PINEAPPLE	633110
MIXED FRUIT/BANANA/PLUM	639999
MIXED FRUIT/BANANA/RAISIN	639999
MIXED FRUIT/BANANA/RASPBERRY	639999
MIXED FRUIT/BANANA/STRAWBERRY	633110
MIXED FRUIT/BERRIES	639999
MIXED FRUIT/BLACKBERRIES/BLUEBERRIES	639999
MIXED FRUIT/BLUEBERRIES/APPLE	639999
MIXED FRUIT/BLUEBERRIES/RAISINS	639999
MIXED FRUIT/BLUEBERRIES/STRAWBERRIES	639999
MIXED FRUIT/CANTALOUPE	639999
MIXED FRUIT/CANTALOUPE/APPLE	631091
MIXED FRUIT/CANTALOUPE/BANANA	639999
MIXED FRUIT/CANTALOUPE/BLACKBERRIES	639999
MIXED FRUIT/CANTALOUPE/GRAPES	633090
MIXED FRUIT/CANTALOUPE/HONEYDEW	639999
MIXED FRUIT/CANTALOUPE/KIWI	639999
MIXED FRUIT/CANTALOUPE/PINEAPPLE	639999
MIXED FRUIT/CANTALOUPE/STRAWBERRY	639999
MIXED FRUIT/CANTALOUPE/WATERMELON	633092
MIXED FRUIT/CHERRY	639999
MIXED FRUIT/CHERRY/GRAPES	639999
MIXED FRUIT/CHERRY/PEAR	639999
MIXED FRUIT/CHERRY/PINEAPPLE	639999
MIXED FRUIT/CHERRY/STRAWBERRY	639999
MIXED FRUIT/CRANBERRY/APPLE	639999
MIXED FRUIT/CRANBERRY/BANANA	639999
MIXED FRUIT/CRANBERRY/BLUEBERRIES	639999
MIXED FRUIT/CRANBERRY/GRAPES	639999
MIXED FRUIT/CRANBERRY/RAISIN	639999
MIXED FRUIT/CRANBERRY/STRAWBERRIES	639999
MIXED FRUIT/CUCUMBERS/APPLES	639999
MIXED FRUIT/DATES/APPLE	639999
MIXED FRUIT/DATES/CRANBERRY	639999
MIXED FRUIT/DATES/FIG	639999
MIXED FRUIT/GRAPEFRUIT/ORANGE	639999
MIXED FRUIT/GRAPEFRUIT/PINEAPPLE	639999
MIXED FRUIT/GRAPES	639999
MIXED FRUIT/GRAPES/APPLE	639999
MIXED FRUIT/GRAPES/CANTALOUPE	639999
MIXED FRUIT/GRAPES/CHERRY	639999
MIXED FRUIT/GRAPES/CRANBERRY	639999
MIXED FRUIT/GRAPES/HONEYDEW	639999
MIXED FRUIT/GRAPES/MELON	639999
MIXED FRUIT/GRAPES/ORANGE	639999
MIXED FRUIT/GRAPES/PEACH	639999
MIXED FRUIT/GRAPES/PINEAPPLE	639999
MIXED FRUIT/GRAPES/RAISIN	639999
MIXED FRUIT/GRAPES/STRAWBERRIES	639999
MIXED FRUIT/GRAPES/WATERMELON	639999
MIXED FRUIT/HONEYDEW	639999
MIXED FRUIT/HONEYDEW/CANTALOUPE	639999
MIXED FRUIT/HONEYDEW/GRAPE	639999
MIXED FRUIT/LEMON	639999
MIXED FRUIT/LETTUCE/MANGO	639999
MIXED FRUIT/MANGO	639999
MIXED FRUIT/MANGO/CANTALOUPE	639999
MIXED FRUIT/MANGO/MELON	633090
MIXED FRUIT/MANGO/PAPAYA	639999
MIXED FRUIT/MANGO/PEACH	639999
MIXED FRUIT/MANGO/STRAWBERRY	639999
MIXED FRUIT/MANGO/WATERMELON	639999
MIXED FRUIT/MELON	633110
MIXED FRUIT/MELON/APPLE	639999
MIXED FRUIT/MELON/BLACKBERRY	639999
MIXED FRUIT/MELON/CANTALOUPE	639999
MIXED FRUIT/MELON/GRAPES	633110
MIXED FRUIT/MELON/WATERMELON	633092
MIXED FRUIT/NECTARINE/CHERRIES	639999
MIXED FRUIT/ORANGE	639999
MIXED FRUIT/ORANGE/APPLE	633111
MIXED FRUIT/ORANGE/BANANA	611191
MIXED FRUIT/ORANGE/DATE	639999
MIXED FRUIT/ORANGE/GRAPE	639999
MIXED FRUIT/ORANGE/GRAPEFRUIT	639999
MIXED FRUIT/ORANGE/MANGO	639999
MIXED FRUIT/ORANGE/PEAR	639999
MIXED FRUIT/ORANGE/PINEAPPLE	639999

APPENDIX III

MIXED FRUIT/PAPAYA/MANGO	639999
MIXED FRUIT/PEACH	633113
MIXED FRUIT/PEACH/APPLE	633113
MIXED FRUIT/PEACH/BANANA	631352
MIXED FRUIT/PEACH/CHERRY	639999
MIXED FRUIT/PEACH/GRAPE	631351
MIXED FRUIT/PEACH/KIWI	639999
MIXED FRUIT/PEACH/MELON	639999
MIXED FRUIT/PEACH/PEAR	633113
MIXED FRUIT/PEACH/PINEAPPLE	639999
MIXED FRUIT/PEACH/RAISIN	639999
MIXED FRUIT/PEACH/RASPBERRIES	639999
MIXED FRUIT/PEACH/STRAWBERRY	633113
MIXED FRUIT/PEACH/TANGERINE	639999
MIXED FRUIT/PEACH/WATERMELON	639999
MIXED FRUIT/PEAR/APPLE	639999
MIXED FRUIT/PEAR/BANANA	639999
MIXED FRUIT/PEAR/KIWI	639999
MIXED FRUIT/PEAR/ORANGE	639999
MIXED FRUIT/PEAR/PAPAYA	639999
MIXED FRUIT/PEAR/PEACH	633113
MIXED FRUIT/PEAR/PINEAPPLE	639999
MIXED FRUIT/PINEAPPLE	631411
MIXED FRUIT/PINEAPPLE/APPLE	639999
MIXED FRUIT/PINEAPPLE/BANANA	639999
MIXED FRUIT/PINEAPPLE/CANTALOUPE	639999
MIXED FRUIT/PINEAPPLE/CHERRY	639999
MIXED FRUIT/PINEAPPLE/GRAPES	639999
MIXED FRUIT/PINEAPPLE/MANGO	639999
MIXED FRUIT/PINEAPPLE/MELON	639999
MIXED FRUIT/PINEAPPLE/PAPAYA	639999
MIXED FRUIT/PINEAPPLE/PEACH	639999
MIXED FRUIT/PINEAPPLE/PEAR	639999
MIXED FRUIT/PINEAPPLE/STRAWBERRIES	639999
MIXED FRUIT/PINEAPPLE/WATERMELON	639999
MIXED FRUIT/PLUM/APRICOT	639999
MIXED FRUIT/PLUM/PEACH	631351
MIXED FRUIT/PLUM/WATERMELON	639999
MIXED FRUIT/PRUNE/APPLE	639999
MIXED FRUIT/PRUNE/APRICOT	639999
MIXED FRUIT/RAISINS	639999
MIXED FRUIT/RAISINS/APPLE	639999
MIXED FRUIT/RAISINS/APPLESAUCE	639999
MIXED FRUIT/RAISINS/APRICOT	639999
MIXED FRUIT/RAISINS/BANANA	639999
MIXED FRUIT/RAISINS/CRANBERRY	639999
MIXED FRUIT/RAISINS/DATES	639999
MIXED FRUIT/RAISINS/MANGO	639999
MIXED FRUIT/RAISINS/PINEAPPLE	639999
MIXED FRUIT/RAISINS/PRUNE	639999
MIXED FRUIT/RASPBERRY/GRAPES	639999
MIXED FRUIT/STRAWBERRIES	639999
MIXED FRUIT/STRAWBERRIES/BLUEBERRIES	639999
MIXED FRUIT/STRAWBERRIES/PEACHES	639999
MIXED FRUIT/STRAWBERRY	639999
MIXED FRUIT/STRAWBERRY/APPLE	639999
MIXED FRUIT/STRAWBERRY/BANANA	633110
MIXED FRUIT/STRAWBERRY/BLUEBERRY	639999
MIXED FRUIT/STRAWBERRY/CANTALOUPE	639999
MIXED FRUIT/STRAWBERRY/CRANBERRY	639999
MIXED FRUIT/STRAWBERRY/GRAPES	639999
MIXED FRUIT/STRAWBERRY/LEMON	639999
MIXED FRUIT/STRAWBERRY/MANGO	639999
MIXED FRUIT/STRAWBERRY/MELON	639999
MIXED FRUIT/STRAWBERRY/ORANGE	639999
MIXED FRUIT/STRAWBERRY/PEACH	633113
MIXED FRUIT/STRAWBERRY/PINEAPPLE	639999
MIXED FRUIT/STRAWBERRY/RASPBERRY	639999
MIXED FRUIT/TANGERINE/ORANGE	639999
MIXED FRUIT/WATERMELON	639999
MIXED FRUIT/WATERMELON/APPLE	639999
MIXED FRUIT/WATERMELON/CANTALOUPE	633090
MIXED FRUIT/WATERMELON/GRAPE	639999
MIXED FRUIT/WATERMELON/HONEYDEW	633090
MIXED FRUIT/WATERMELON/MELON	639999
MIXED FRUIT/WATERMELON/ORANGE	639999
MIXED FRUIT/WATERMELON/PAPAYA	639999
MIXED FRUIT/WATERMELON/PEACH	639999
MIXED FRUIT/WATERMELON/PINEAPPLE	639999
MIXED VEGETABLE	760000
MIXED VEGETABLE ON SANDWICH	759999
MIXED VEGETABLE/ADVOCADO/TOMATO	759999
MIXED VEGETABLE/APPLE/CELERY	759999
MIXED VEGETABLE/ARTICHOKE	759999
MIXED VEGETABLE/ARTICHOKE/TOMATO	759999
MIXED VEGETABLE/ASPARAGUS	759999
MIXED VEGETABLE/ASPARAGUS/BROCCOLI	759999
MIXED VEGETABLE/ASPARAGUS/CARROT	760730
MIXED VEGETABLE/ASPARAGUS/ZUCCHINI	759999
MIXED VEGETABLE/AVOCADO ON SANDWICH	759999
MIXED VEGETABLE/AVOCADO/ONION	759999
MIXED VEGETABLE/AVOCADO/SALSA	759999
MIXED VEGETABLE/AVOCADO/TOMATO	760740
MIXED VEGETABLE/BEAN SPROUTS	760000
MIXED VEGETABLE/BEAN/POTATO	759999
MIXED VEGETABLE/BEETS/ARTICHOKE	759999
MIXED VEGETABLE/BEETS/ASPARAGUS	759999
MIXED VEGETABLE/BELL PEPPER	759999
MIXED VEGETABLE/BELL PEPPER/CARROT	759999
MIXED VEGETABLE/BELL PEPPER/EGGPLANT	759999
MIXED VEGETABLE/BELL PEPPER/ONION	751221
MIXED VEGETABLE/BELL PEPPER/TOMATO	759999
MIXED VEGETABLE/BITTERMELON/LETTUCE	759999
MIXED VEGETABLE/BOK CHOY	759999
MIXED VEGETABLE/BOK CHOY/BROCCOLI	759999
MIXED VEGETABLE/BOK CHOY/CABBAGE	759999
MIXED VEGETABLE/BOK CHOY/CELERY	759999
MIXED VEGETABLE/BOK CHOY/TOMATO	759999
MIXED VEGETABLE/BROCCOLI	760722
MIXED VEGETABLE/BROCCOLI/ASPARAGUS	759999
MIXED VEGETABLE/BROCCOLI/BOK CHOY	759999
MIXED VEGETABLE/BROCCOLI/CABBAGE	760760
MIXED VEGETABLE/BROCCOLI/CARROT	760790
MIXED VEGETABLE/BROCCOLI/CAULIFLOWER	760760
MIXED VEGETABLE/BROCCOLI/CELERY	759999
MIXED VEGETABLE/BROCCOLI/CORN	760722
MIXED VEGETABLE/BROCCOLI/GREEN BEAN	760722
MIXED VEGETABLE/BROCCOLI/LETTUCE	751722
MIXED VEGETABLE/BROCCOLI/MUSHROOM	760722
MIXED VEGETABLE/BROCCOLI/ONION	760722

APPENDIX III

MIXED VEGETABLE/BROCCOLI/PEAS	760722
MIXED VEGETABLE/BROCCOLI/PEPPER	760722
MIXED VEGETABLE/BROCCOLI/POTATO	760722
MIXED VEGETABLE/BROCCOLI/RED PEPPER	760783
MIXED VEGETABLE/BROCCOLI/SPINACH	760721
MIXED VEGETABLE/BROCCOLI/SQUASH	760722
MIXED VEGETABLE/BROCCOLI/TOMATO	759999
MIXED VEGETABLE/BROCCOLI/ZUCCHINI	760722
MIXED VEGETABLE/BROCOFLOWER/CARROT	759999
MIXED VEGETABLE/CABBAGE	760770
MIXED VEGETABLE/CABBAGE/BEETS	759999
MIXED VEGETABLE/CABBAGE/BOK CHOY	759999
MIXED VEGETABLE/CABBAGE/BROCCOLI	760760
MIXED VEGETABLE/CABBAGE/CARROT	760790
MIXED VEGETABLE/CABBAGE/COLLARD GREENS	759999
MIXED VEGETABLE/CABBAGE/CORN	759999
MIXED VEGETABLE/CABBAGE/GREEN PEPPER	759999
MIXED VEGETABLE/CABBAGE/OKRA	759999
MIXED VEGETABLE/CABBAGE/ONION	760770
MIXED VEGETABLE/CABBAGE/PEPPER	759999
MIXED VEGETABLE/CABBAGE/POTATO	759999
MIXED VEGETABLE/CABBAGE/RADISH	759999
MIXED VEGETABLE/CABBAGE/SPINACH	759999
MIXED VEGETABLE/CABBAGE/SPROUTS	759999
MIXED VEGETABLE/CABBAGE/SQUASH	759999
MIXED VEGETABLE/CABBAGE/TOMATO	760780
MIXED VEGETABLE/CARROT	760730
MIXED VEGETABLE/CARROT/ASPARAGUS	759999
MIXED VEGETABLE/CARROT/AVOCADO	759999
MIXED VEGETABLE/CARROT/BROCCOLI	760790
MIXED VEGETABLE/CARROT/CABBAGE	760790
MIXED VEGETABLE/CARROT/CAULIFLOWER	760790
MIXED VEGETABLE/CARROT/CELERY	760730
MIXED VEGETABLE/CARROT/CORN	760730
MIXED VEGETABLE/CARROT/CUCUMBER	651003
MIXED VEGETABLE/CARROT/GREEN BEANS	760730
MIXED VEGETABLE/CARROT/GREEN PEPPER	760730
MIXED VEGETABLE/CARROT/LEEK	759999
MIXED VEGETABLE/CARROT/LETTUCE	759999
MIXED VEGETABLE/CARROT/MUSHROOM	759999
MIXED VEGETABLE/CARROT/ONION	760730
MIXED VEGETABLE/CARROT/PEACH	759999
MIXED VEGETABLE/CARROT/PEAS	760730
MIXED VEGETABLE/CARROT/PEPPER	759999
MIXED VEGETABLE/CARROT/POTATO	760730
MIXED VEGETABLE/CARROT/RAISIN	759999
MIXED VEGETABLE/CARROT/RUTABAGAS	759999
MIXED VEGETABLE/CARROT/SPINACH	759999
MIXED VEGETABLE/CARROT/SPROUTS	759999
MIXED VEGETABLE/CARROT/SQUASH	760730
MIXED VEGETABLE/CARROT/SWEET POTATO	759999
MIXED VEGETABLE/CARROT/TOMATO	760730
MIXED VEGETABLE/CARROT/ZUCCHINI	760730
MIXED VEGETABLE/CAULIFLOWER	759999
MIXED VEGETABLE/CAULIFLOWER/BROCCOLI	760760
MIXED VEGETABLE/CAULIFLOWER/CABBAGE	759999
MIXED VEGETABLE/CAULIFLOWER/CARROT	760790
MIXED VEGETABLE/CAULIFLOWER/GREEN BEANS	759999
MIXED VEGETABLE/CAULIFLOWER/ZUCCHINI	759999
MIXED VEGETABLE/CELERY	759999
MIXED VEGETABLE/CELERY/APPLE	759999
MIXED VEGETABLE/CELERY/BOK CHOY	759999
MIXED VEGETABLE/CELERY/BROCCOLI	759999
MIXED VEGETABLE/CELERY/CABBAGE	751730
MIXED VEGETABLE/CELERY/CARROT	760730
MIXED VEGETABLE/CELERY/CUCUMBER	759999
MIXED VEGETABLE/CELERY/GREEN BEANS	759999
MIXED VEGETABLE/CELERY/GREEN PEPPER	759999
MIXED VEGETABLE/CELERY/MUSHROOM	760000
MIXED VEGETABLE/CELERY/ONION	760750
MIXED VEGETABLE/CELERY/POTATO	759999
MIXED VEGETABLE/CELERY/RADISH	759999
MIXED VEGETABLE/CELERY/ZUCCHINI	759999
MIXED VEGETABLE/CHARD	759999
MIXED VEGETABLE/CHARD/SQUASH	759999
MIXED VEGETABLE/CILANTRO/ONION	759999
MIXED VEGETABLE/COLLARD GREENS/CORN	759999
MIXED VEGETABLE/CORN	760750
MIXED VEGETABLE/CORN/BROCCOLI	760722
MIXED VEGETABLE/CORN/CARROT	760730
MIXED VEGETABLE/CORN/GREEN BEANS	760750
MIXED VEGETABLE/CORN/GREEN PEPPER	759999
MIXED VEGETABLE/CORN/LIMABEAN	759999
MIXED VEGETABLE/CORN/MUSHROOM	759999
MIXED VEGETABLE/CORN/OKRA	759999
MIXED VEGETABLE/CORN/PEAS	760750
MIXED VEGETABLE/CORN/PEPPER	759999
MIXED VEGETABLE/CORN/POTATO	760710
MIXED VEGETABLE/CORN/STRING BEANS	760750
MIXED VEGETABLE/CORN/TOMATO	759999
MIXED VEGETABLE/CORN/ZUCCHINI	759999
MIXED VEGETABLE/CUCUMBER	759999
MIXED VEGETABLE/CUCUMBER/BROCCOLI	759999
MIXED VEGETABLE/CUCUMBER/CARROT	759999
MIXED VEGETABLE/CUCUMBER/GREEN PEPPER	760750
MIXED VEGETABLE/CUCUMBER/LETTUCE	759999
MIXED VEGETABLE/CUCUMBER/ONION	759999
MIXED VEGETABLE/CUCUMBER/PINEAPPLE	759999
MIXED VEGETABLE/CUCUMBER/POTATO	759999
MIXED VEGETABLE/CUCUMBER/TOMATO	760740
MIXED VEGETABLE/EGGPLANT	760000
MIXED VEGETABLE/EGGPLANT/BITTER MELON	759999
MIXED VEGETABLE/EGGPLANT/SQUASH	759999
MIXED VEGETABLE/EGGPLANT/TOMATO	760740
MIXED VEGETABLE/GARLIC/ONION	759999
MIXED VEGETABLE/GREEN BEANS	760000
MIXED VEGETABLE/GREEN BEANS/ASPARAGUS	759999
MIXED VEGETABLE/GREEN BEANS/CARROT	760730
MIXED VEGETABLE/GREEN BEANS/CORN	760750
MIXED VEGETABLE/GREEN BEANS/MUSHROOM	759999
MIXED VEGETABLE/GREEN BEANS/ONION	760750
MIXED VEGETABLE/GREEN BEANS/PEAS	759999
MIXED VEGETABLE/GREEN BEANS/POTATO	759999
MIXED VEGETABLE/GREEN BEANS/RADISH	759999
MIXED VEGETABLE/GREEN PEPPER	759999
MIXED VEGETABLE/GREEN PEPPER/CARROT	759999
MIXED VEGETABLE/GREEN PEPPER/CELERY	760750
MIXED VEGETABLE/GREEN PEPPER/MUSHROOM	760750
MIXED VEGETABLE/GREEN PEPPER/ONION	760750
MIXED VEGETABLE/GREEN PEPPER/POTATO	760750

APPENDIX III

MIXED VEGETABLE/GREENS/TURNIP	759999
MIXED VEGETABLE/LETTUCE	751130
MIXED VEGETABLE/LETTUCE/BEETS	759999
MIXED VEGETABLE/LETTUCE/CARROT	751730
MIXED VEGETABLE/LETTUCE/CORN	751750
MIXED VEGETABLE/LETTUCE/CUCUMBER	751750
MIXED VEGETABLE/LETTUCE/GREEN BEAN	751140
MIXED VEGETABLE/LETTUCE/GREEN PEPPER	751750
MIXED VEGETABLE/LETTUCE/OLIVES	751140
MIXED VEGETABLE/LETTUCE/ONION	751130
MIXED VEGETABLE/LETTUCE/POTATO	751724
MIXED VEGETABLE/LETTUCE/RADISH	759999
MIXED VEGETABLE/LETTUCE/TOMATO	751740
MIXED VEGETABLE/LIMA BEAN/CARROT	759999
MIXED VEGETABLE/LIMA BEAN/CORN	759999
MIXED VEGETABLE/MUSHROOM	759999
MIXED VEGETABLE/MUSHROOM/ARTICHOKE	760000
MIXED VEGETABLE/MUSHROOM/BROCCOLI	759999
MIXED VEGETABLE/MUSHROOM/CABBAGE	759999
MIXED VEGETABLE/MUSHROOM/CARROT	759999
MIXED VEGETABLE/MUSHROOM/CARROT	759999
MIXED VEGETABLE/MUSHROOM/CORN	759999
MIXED VEGETABLE/MUSHROOM/EGGPLANT	759999
MIXED VEGETABLE/MUSHROOM/GREEN BEAN	759999
MIXED VEGETABLE/MUSHROOM/GREEN PEPPER	759999
MIXED VEGETABLE/MUSHROOM/LETTUCE	759999
MIXED VEGETABLE/MUSHROOM/ONION	759999
MIXED VEGETABLE/MUSHROOM/PEAS	759999
MIXED VEGETABLE/MUSHROOM/SPINACH	760721
MIXED VEGETABLE/MUSHROOM/TOMATO	760740
MIXED VEGETABLE/MUSTARD GREENS/SPINACH	759999
MIXED VEGETABLE/OKRA/CORN	759999
MIXED VEGETABLE/OKRA/PEAS	759999
MIXED VEGETABLE/OLIVE/MUSHROOM	759999
MIXED VEGETABLE/OLIVE/ONION	759999
MIXED VEGETABLE/ONION	760000
MIXED VEGETABLE/ONION/ARTICHOKE	759999
MIXED VEGETABLE/ONION/ASPARAGUS	759999
MIXED VEGETABLE/ONION/BELL PEPPER	760750
MIXED VEGETABLE/ONION/CARROT	760730
MIXED VEGETABLE/ONION/CELERY	760750
MIXED VEGETABLE/ONION/CORN	759999
MIXED VEGETABLE/ONION/CUCUMBER	759999
MIXED VEGETABLE/ONION/GARLIC	759999
MIXED VEGETABLE/ONION/GREEN BEAN	759999
MIXED VEGETABLE/ONION/GREEN PEPPER	760750
MIXED VEGETABLE/ONION/MUSHROOM	759999
MIXED VEGETABLE/ONION/PEPPER	760750
MIXED VEGETABLE/ONION/POTATO	759999
MIXED VEGETABLE/ONION/RED PEPPER	760750
MIXED VEGETABLE/ONION/SEAWEED	759999
MIXED VEGETABLE/ONION/SPINACH	759999
MIXED VEGETABLE/ONION/SQUASH	759999
MIXED VEGETABLE/ONION/TOMATO	760740
MIXED VEGETABLE/ONION/ZUCCHINI	760750
MIXED VEGETABLE/PEAS	759999
MIXED VEGETABLE/PEAS/BEANS	759999
MIXED VEGETABLE/PEAS/BEET	759999
MIXED VEGETABLE/PEAS/BROCCOLI	759999
MIXED VEGETABLE/PEAS/CABBAGE	759999
MIXED VEGETABLE/PEAS/CARROT	760730
MIXED VEGETABLE/PEAS/CELERY	759999
MIXED VEGETABLE/PEAS/CORN	760750
MIXED VEGETABLE/PEAS/EGGPLANT	759999
MIXED VEGETABLE/PEAS/GREEN BEAN	760750
MIXED VEGETABLE/PEAS/LIMA BEAN	759999
MIXED VEGETABLE/PEAS/MUSHROOMS	759999
MIXED VEGETABLE/PEAS/OKRA	759999
MIXED VEGETABLE/PEAS/ONION	759999
MIXED VEGETABLE/PEAS/PEPPER	759999
MIXED VEGETABLE/PEAS/POTATO	759999
MIXED VEGETABLE/PEAS/SQUASH	759999
MIXED VEGETABLE/PEAS/TOMATO	759999
MIXED VEGETABLE/PEPPER	759999
MIXED VEGETABLE/PEPPER/ARTICHOKE	759999
MIXED VEGETABLE/PEPPER/EGGPLANT	759999
MIXED VEGETABLE/PEPPER/MUSHROOM	759999
MIXED VEGETABLE/PEPPER/OLIVE	759999
MIXED VEGETABLE/PEPPER/ONION	760750
MIXED VEGETABLE/PEPPER/POTATO	759999
MIXED VEGETABLE/PEPPER/TOMATO	759999
MIXED VEGETABLE/PEPPER/TURNIP	759999
MIXED VEGETABLE/PINEAPPLE/PEPPER	759999
MIXED VEGETABLE/POTATO	760750
MIXED VEGETABLE/POTATO/ASPARAGUS	760750
MIXED VEGETABLE/POTATO/BELL PEPPER	759999
MIXED VEGETABLE/POTATO/BROCCOLI	760723
MIXED VEGETABLE/POTATO/CABBAGE	759999
MIXED VEGETABLE/POTATO/CARROT	760730
MIXED VEGETABLE/POTATO/CELERY	759999
MIXED VEGETABLE/POTATO/CORN	759999
MIXED VEGETABLE/POTATO/GREEN BEANS	759999
MIXED VEGETABLE/POTATO/GREEN PEPPER	760750
MIXED VEGETABLE/POTATO/LETTUCE	759999
MIXED VEGETABLE/POTATO/ONION	759999
MIXED VEGETABLE/POTATO/PEAS	759999
MIXED VEGETABLE/POTATO/PEPPER	760750
MIXED VEGETABLE/POTATO/RED PEPPER	760750
MIXED VEGETABLE/POTATO/SALSA	759999
MIXED VEGETABLE/POTATO/SPINACH	759999
MIXED VEGETABLE/POTATO/SUMMER SQUASH	759999
MIXED VEGETABLE/POTATO/SWEET POTATO	759999
MIXED VEGETABLE/POTATO/TOMATO	760740
MIXED VEGETABLE/POTATO/YAM	759999
MIXED VEGETABLE/POTATO/ZUCHINI	760711
MIXED VEGETABLE/RADISH/CUCUMBER	759999
MIXED VEGETABLE/RADISH/ONION	759999
MIXED VEGETABLE/RED PEPPER/GREEN BEAN	759999
MIXED VEGETABLE/RED PEPPER/ONION	760750
MIXED VEGETABLE/SALSA/ONION	744020
MIXED VEGETABLE/SPINACH	760721
MIXED VEGETABLE/SPINACH/ARTICHOKE	759999
MIXED VEGETABLE/SPINACH/BROCCOLI	760721
MIXED VEGETABLE/SPINACH/CARROT	764723
MIXED VEGETABLE/SPINACH/COLLARD GREENS	759999
MIXED VEGETABLE/SPINACH/CORN	759999
MIXED VEGETABLE/SPINACH/GREEN PEPPER	759999
MIXED VEGETABLE/SPINACH/LIME	759999
MIXED VEGETABLE/SPINACH/MUSHROOM	760721
MIXED VEGETABLE/SPINACH/MUSTARD GREENS	759999

APPENDIX III

MIXED VEGETABLE/SPINACH/OLIVE	759999
MIXED VEGETABLE/SPINACH/ONION	759999
MIXED VEGETABLE/SPINACH/PEPPER	759999
MIXED VEGETABLE/SPINACH/TOMATO	764722
MIXED VEGETABLE/SPROUTS/CABBAGE	759999
MIXED VEGETABLE/SQUASH	759999
MIXED VEGETABLE/SQUASH/BELL PEPPER	759999
MIXED VEGETABLE/SQUASH/BROCCOLI	760722
MIXED VEGETABLE/SQUASH/CABBAGE	759999
MIXED VEGETABLE/SQUASH/CARROT	760730
MIXED VEGETABLE/SQUASH/CELERY	759999
MIXED VEGETABLE/SQUASH/GREEN BEAN	759999
MIXED VEGETABLE/SQUASH/ONION	759999
MIXED VEGETABLE/SQUASH/POTATO	760711
MIXED VEGETABLE/SQUASH/ZUCCHINI	751282
MIXED VEGETABLE/STRING BEANS	759999
MIXED VEGETABLE/STRING BEANS/CARROT	760730
MIXED VEGETABLE/STRING BEANS/CORN	759999
MIXED VEGETABLE/STRING BEANS/GREENS	759999
MIXED VEGETABLE/SWEET POTATO/CARROT	759999
MIXED VEGETABLE/TOMATO	760740
MIXED VEGETABLE/TOMATO/ARTICHOKE	759999
MIXED VEGETABLE/TOMATO/AVOCADO	760740
MIXED VEGETABLE/TOMATO/BELL PEPPER	760740
MIXED VEGETABLE/TOMATO/CARROT	759999
MIXED VEGETABLE/TOMATO/CELERY	759999
MIXED VEGETABLE/TOMATO/CORN	759999
MIXED VEGETABLE/TOMATO/CUCUMBER	760740
MIXED VEGETABLE/TOMATO/EGGPLANT	759999
MIXED VEGETABLE/TOMATO/GREEN BEAN	760740
MIXED VEGETABLE/TOMATO/GREEN PEPPER	760740
MIXED VEGETABLE/TOMATO/LETTUCE	751740
MIXED VEGETABLE/TOMATO/MUSHROOM	760740
MIXED VEGETABLE/TOMATO/OKRA	759999
MIXED VEGETABLE/TOMATO/ONION	760740
MIXED VEGETABLE/TOMATO/ORANGE	759999
MIXED VEGETABLE/TOMATO/PEPPER	760740
MIXED VEGETABLE/TOMATO/POTATO	759999
MIXED VEGETABLE/TOMATO/SPINACH	764722
MIXED VEGETABLE/TOMATO/SPROUTS	759999
MIXED VEGETABLE/TOMATO/SQUASH	759999
MIXED VEGETABLE/TOMATO/ZUCCHINI	760740
MIXED VEGETABLE/TURNIP/MUSTARD GREEN	759999
MIXED VEGETABLE/ZUCCHINI	760750
MIXED VEGETABLE/ZUCCHINI/BROCCOLI	760722
MIXED VEGETABLE/ZUCCHINI/CARROT	760730
MIXED VEGETABLE/ZUCCHINI/CAULIFLOWER	759999
MIXED VEGETABLE/ZUCCHINI/CELERY	759999
MIXED VEGETABLE/ZUCCHINI/CORN	759999
MIXED VEGETABLE/ZUCCHINI/EGGPLANT	759999
MIXED VEGETABLE/ZUCCHINI/LEEK	759999
MIXED VEGETABLE/ZUCCHINI/MUSHROOM	751750
MIXED VEGETABLE/ZUCCHINI/ONION	760750
MIXED VEGETABLE/ZUCCHINI/PEAS	759999
MIXED VEGETABLE/ZUCCHINI/TOMATO	760740
MIXED VEGETABLECELERY/MUSHROOM	759999
MUSHROOM	752190
MUSHROOM ON SANDWICH	752190
MUSHROOM SOUP	759999
MUSHROOM/GREENS	759999
MUSHROOM/ONION	759999
MUSHROOM/TOMATO ON SANDWICH	759999
MUSTARD GREENS	721221
NECTARINE	631310
NECTARINE JUICE	649999
OKRA	752200
OLALLABERRY	639999
OLIVE	999999
OLIVE ON SANDWICH	999999
ONION	751170
ONION ON SANDWICH	759999
ONION SOUP	759999
ONION/AVOCADO ON SANDWICH	759999
ONION/CARROT ON SANDWICH	759999
ONION/GREEN PEPPER ON SANDWICH	759999
ONION/LETTUCE ON SANDWICH	751130
ONION/MUSHROOM ON SANDWICH	759999
ONION/PEPPER ON SANDWICH	759999
ONION/TOMATO ON SANDWICH	741010
ORANGE	611190
ORANGE JUICE	612100
ORANGE/BANANA JUICE	634612
ORANGE/CARROT JUICE	649999
ORANGE/CRANBERRY JUICE	649999
ORANGE/GRAPE JUICE	649999
ORANGE/MANGO JUICE	649999
ORANGE/PASSION FRUIT JUICE	649999
ORANGE/PINEAPPLE JUICE	999999
ORANGE/TANGERINE JUICE	649999
PAPAYA	631330
PAPAYA JUICE	642100
PARSLEY	751220
PARSLEY/ONION ON SANDWICH	759999
PARSNIP	759999
PASSION FRUIT/MANGO JUICE	649999
PEA SOUP	751200
PEACH	631350
PEACH JUICE	999999
PEAR	631370
PEAR JUICE	999999
PEAS ON SANDWICH	759999
PEPPER	751220
PEPPER ON SANDWICH	761722
PERSIMMON	631390
PICKLE	999999
PINEAPPLE	631410
PINEAPPLE JUICE	641240
PINEAPPLE/BANANA JUICE	649999
PINEAPPLE/KIWI JUICE	649999
PINEAPPLE/MANGO JUICE	649999
PINEAPPLE/ORANGE JUICE	999999
PLANTAIN	714050
PLUM	631430
PLUMCOT	639999
PLUOT	631435
POMEGRANATE	631460
POMELLO	639999
POTATO	710001
POTATO ON SANDWICH	759999
POTATO SOUP	763750

APPENDIX III

POTATO/CARROT ON SANDWICH	759999
POTATO/ONION	759999
POTATO/ONION ON SANDWICH	759999
PRUNE	621221
PRUNE JUICE	641320
PUMPKIN	733010
PUMPKIN SQUASH	759999
RADISH	751250
RAISIN	621251
RAISIN/CRANBERRY JUICE	649999
RASPBERRIES	632190
RASPBERRY JUICE	649999
RED PEPPER	751222
SALAD	751140
SALAD/APPLE	759999
SALAD/APPLE/CELERY	759999
SALAD/ARTICHOKE	759999
SALAD/ARTICHOKE/TOMATO	759999
SALAD/ARUGULA/SPROUTS	759999
SALAD/ASPARAGUS	759999
SALAD/ASPARAGUS/CORN	759999
SALAD/AVACADO	759999
SALAD/AVOCADO/CARROT	751730
SALAD/AVOCADO/CELERY	759999
SALAD/AVOCADO/CUCUMBER	759999
SALAD/AVOCADO/LEMON	759999
SALAD/AVOCADO/LETTUCE	751140
SALAD/AVOCADO/MUSHROOM	751750
SALAD/AVOCADO/ONION	759999
SALAD/AVOCADO/RADISH	759999
SALAD/AVOCADO/TOMATO	751740
SALAD/BANANA/TOMATO	759999
SALAD/BEETS	751750
SALAD/BEETS/LETTUCE	751750
SALAD/BEETS/TOMATO	759999
SALAD/BELL PEPPER	759999
SALAD/BELL PEPPER/BROCCOLI	759999
SALAD/BROCCOLI	751722
SALAD/BROCCOLI/APPLE	759999
SALAD/BROCCOLI/CABBAGE	759999
SALAD/BROCCOLI/CARROT	751790
SALAD/BROCCOLI/CAULIFLOWER	751760
SALAD/BROCCOLI/CORN	759999
SALAD/BROCCOLI/CUCUMBER	751783
SALAD/BROCCOLI/GREEN BEAN	751783
SALAD/BROCCOLI/GREEN PEPPER	759999
SALAD/BROCCOLI/LETTUCE	751722
SALAD/BROCCOLI/MUSHROOM	759999
SALAD/BROCCOLI/ONION	759999
SALAD/BROCCOLI/PEPPER	759999
SALAD/BROCCOLI/SPINACH	759999
SALAD/CABBAGE	751760
SALAD/CABBAGE/AVOCADO	759999
SALAD/CABBAGE/BROCCOLI	751765
SALAD/CABBAGE/CARROT	751790
SALAD/CABBAGE/CUCUMBER	751760
SALAD/CABBAGE/GREEN PEPPER	751781
SALAD/CABBAGE/LETTUCE	751760
SALAD/CABBAGE/MUSHROOM	759999
SALAD/CABBAGE/ONION	759999
SALAD/CABBAGE/PEAS	759999
SALAD/CABBAGE/POTATO	759999
SALAD/CABBAGE/RADISH	759999
SALAD/CABBAGE/SPINACH	759999
SALAD/CABBAGE/TOMATO	751780
SALAD/CACTUS/TOMATO	751141
SALAD/CARROT	751730
SALAD/CARROT/BANANA	759999
SALAD/CARROT/BELL PEPPER	759999
SALAD/CARROT/BROCCOLI	751730
SALAD/CARROT/CABBAGE	751790
SALAD/CARROT/CANTALOUPE	759999
SALAD/CARROT/CAULIFLOWER	751790
SALAD/CARROT/CELERY	751730
SALAD/CARROT/CORN	751730
SALAD/CARROT/CUCUMBER	751730
SALAD/CARROT/GREEN BEAN	759999
SALAD/CARROT/GREEN PEPPER	759999
SALAD/CARROT/LEEK	759999
SALAD/CARROT/LETTUCE	751730
SALAD/CARROT/MUSHROOM	751730
SALAD/CARROT/OLIVE	759999
SALAD/CARROT/ONION	751730
SALAD/CARROT/ORANGE	759999
SALAD/CARROT/PEAS	751731
SALAD/CARROT/POTATO	751730
SALAD/CARROT/RADISH	751730
SALAD/CARROT/RAISINS	759999
SALAD/CARROT/RED CABBAGE	759999
SALAD/CARROT/SPINACH	764723
SALAD/CARROT/SPROUTS	759999
SALAD/CARROT/TOMATO	751730
SALAD/CAULIFLOWER	759999
SALAD/CAULIFLOWER/BROCCOLI	751782
SALAD/CAULIFLOWER/CELERY	759999
SALAD/CAULIFLOWER/TOMATO	763750
SALAD/CELERY	751750
SALAD/CELERY/BROCCOLI	759999
SALAD/CELERY/CARROT	751730
SALAD/CELERY/CORN	759999
SALAD/CELERY/CUCUMBER	751750
SALAD/CELERY/ONION	751750
SALAD/CELERY/PEPPER	759999
SALAD/CELERY/SPINACH	759999
SALAD/CELERY/TOMATO	751141
SALAD/CORN	751750
SALAD/CORN/CARROT	751730
SALAD/CORN/LETTUCE	751750
SALAD/CORN/PEAS	751750
SALAD/CORN/TOMATO	759999
SALAD/CORN/WATER CHESTNUT	759999
SALAD/CRANBERRIES	759999
SALAD/CUCUMBER	751750
SALAD/CUCUMBER/ARTICHOKE	759999
SALAD/CUCUMBER/AVOCADO	759999
SALAD/CUCUMBER/BEETS	759999
SALAD/CUCUMBER/BROCCOLI	751783
SALAD/CUCUMBER/CABBAGE	751760
SALAD/CUCUMBER/CARROT	751730
SALAD/CUCUMBER/CAULIFLOWER	759999

APPENDIX III

SALAD/CUCUMBER/CELERY	751750
SALAD/CUCUMBER/LETTUCE	751750
SALAD/CUCUMBER/MUSHROOM	759999
SALAD/CUCUMBER/ONION	751750
SALAD/CUCUMBER/PEPPER	759999
SALAD/CUCUMBER/RADISH	759999
SALAD/CUCUMBER/TOMATO	751740
SALAD/CUCUMBER/WATERCRESS	759999
SALAD/CUCUMBER/ZUCCHINI	759999
SALAD/EGGPLANT	759999
SALAD/ENDIVE/GREEN BEANS	759999
SALAD/GRAPEFUIT/TOMATO	759999
SALAD/GREEN BEANS	751140
SALAD/GREEN BEANS/CAULIFLOWER	759999
SALAD/GREEN BEANS/PEAS	759999
SALAD/GREEN PEPPER	751750
SALAD/GREEN PEPPER/ONION	759999
SALAD/GREEN PEPPER/TOMATO	751740
SALAD/JICAMA/GREEN BEAN	759999
SALAD/LEMON/RADISH	759999
SALAD/LETTUCE	751130
SALAD/LETTUCE/ASPARAGUS	759999
SALAD/LETTUCE/AVOCADO	751751
SALAD/LETTUCE/BEETS	751750
SALAD/LETTUCE/BELL PEPPER	751750
SALAD/LETTUCE/BROCCOLI	751722
SALAD/LETTUCE/CABBAGE	751760
SALAD/LETTUCE/CARROT	751730
SALAD/LETTUCE/CAULIFLOWER	759999
SALAD/LETTUCE/CELERY	751750
SALAD/LETTUCE/CORN	751750
SALAD/LETTUCE/CRANBERRY	759999
SALAD/LETTUCE/CUCUMBER	751750
SALAD/LETTUCE/ENDIVE	759999
SALAD/LETTUCE/FRUIT	759999
SALAD/LETTUCE/GRAPES	759999
SALAD/LETTUCE/GREEN PEPPER	751750
SALAD/LETTUCE/KALE	759999
SALAD/LETTUCE/LEMON JUICE	751130
SALAD/LETTUCE/MUSHROOM	751750
SALAD/LETTUCE/OLIVE	759999
SALAD/LETTUCE/ONION	751130
SALAD/LETTUCE/ORANGE	759999
SALAD/LETTUCE/PEAS	759999
SALAD/LETTUCE/PEPPER	751750
SALAD/LETTUCE/RADISH	759999
SALAD/LETTUCE/RAISIN	759999
SALAD/LETTUCE/RED PEPPER	751773
SALAD/LETTUCE/SPINACH	751721
SALAD/LETTUCE/SPROUTS	759999
SALAD/LETTUCE/STRAWBERRY	759999
SALAD/LETTUCE/TOMATO	751740
SALAD/LETTUCE/TURNIP	759999
SALAD/LETTUCE/ZUCCHINI	759999
SALAD/MANGO/CABBAGE	759999
SALAD/MELON/PAPAYA	759999
SALAD/MUSHROOM	751750
SALAD/MUSHROOM/AVOCADO	759999
SALAD/MUSHROOM/CARROT	751730
SALAD/MUSHROOM/CORN	759999
SALAD/MUSHROOM/CUCUMBER	759999
SALAD/MUSHROOM/LETTUCE	751750
SALAD/MUSHROOM/ONION	759999
SALAD/MUSHROOM/PEPPER	759999
SALAD/MUSHROOM/RADISH	759999
SALAD/MUSHROOM/RED PEPPER	759999
SALAD/MUSHROOM/SPINACH	759999
SALAD/MUSHROOM/TOMATO	751740
SALAD/OLIVES	751140
SALAD/OLIVES/CUCUMBER	759999
SALAD/OLIVES/LETTUCE	751140
SALAD/ONION	751750
SALAD/ONION/AVOCADO	759999
SALAD/ONION/BEET	759999
SALAD/ONION/CARROT	751730
SALAD/ONION/CAULIFLOWER	759999
SALAD/ONION/CUCUMBER	751770
SALAD/ONION/GREEN PEPPER	759999
SALAD/ONION/LETTUCE	751750
SALAD/ONION/MUSHROOM	759999
SALAD/ONION/PEPPER	759999
SALAD/ONION/RADISH	759999
SALAD/ONION/SPINACH	759999
SALAD/ONION/TOMATO	751740
SALAD/ONION/WATERCHESTNUT	759999
SALAD/ONION/ZUCCHINI	759999
SALAD/ORANGE	759999
SALAD/ORANGE/ONION	759999
SALAD/PEACH	759999
SALAD/PEAR	759999
SALAD/PEAR/CARROT	759999
SALAD/PEAR/MUSHROOM	759999
SALAD/PEAS	759999
SALAD/PEAS/CABBAGE	759999
SALAD/PEAS/CARROT	751731
SALAD/PEAS/CELERY	759999
SALAD/PEAS/CUCUMBER	759999
SALAD/PEAS/GREEN PEPPER	759999
SALAD/PEAS/TOMATO	759999
SALAD/PEPPER	751750
SALAD/PEPPER/CELERY	759999
SALAD/PEPPER/LETTUCE	751773
SALAD/PEPPER/MUSHROOM	759999
SALAD/PEPPER/OLIVES	759999
SALAD/PEPPER/ONION	759999
SALAD/PEPPER/TOMATO	751740
SALAD/PINEAPPLE	759999
SALAD/POTATO	751724
SALAD/POTATO/CARROT	759999
SALAD/POTATO/LETTUCE	751724
SALAD/POTATO/ONION	759999
SALAD/POTATO/PEAS	759999
SALAD/POTATO/PEPPER	759999
SALAD/POTATO/TOMATO	751740
SALAD/RADISH	759999
SALAD/RADISH/BROCCOLI	759999
SALAD/RADISH/CARROT	751730
SALAD/RADISH/CELERY	759999
SALAD/RADISH/CUCUMBER	759999
SALAD/RADISH/LETTUCE	759999

APPENDIX III

SALAD/RADISH/ONION	759999
SALAD/RADISH/TOMATO	751740
SALAD/RAISIN	759999
SALAD/SALSA	759999
SALAD/SEAWEED/POTATO	759999
SALAD/SNOW PEAS	759999
SALAD/SPINACH	751721
SALAD/SPINACH/ASPARAGUS	759999
SALAD/SPINACH/AVOCADO	759999
SALAD/SPINACH/BEETS	759999
SALAD/SPINACH/BROCCOLI	759999
SALAD/SPINACH/CABBAGE	751723
SALAD/SPINACH/CARROT	764723
SALAD/SPINACH/CAULIFLOWER	759999
SALAD/SPINACH/CHARD	759999
SALAD/SPINACH/CORN	759999
SALAD/SPINACH/CUCUMBER	764722
SALAD/SPINACH/LETTUCE	751721
SALAD/SPINACH/MUSHROOM	759999
SALAD/SPINACH/ONION	759999
SALAD/SPINACH/ORANGE	759999
SALAD/SPINACH/PEPPER	759999
SALAD/SPINACH/TOMATO	764722
SALAD/SPINACH/ZUCCHINI	759999
SALAD/SPROUTS	759999
SALAD/SPROUTS/CUCUMBER	759999
SALAD/SPROUTS/TOMATO	759999
SALAD/SQUASH	759999
SALAD/SQUASH/TOMATO	759999
SALAD/TOMATO	751740
SALAD/TOMATO/ARTICHOKE	759999
SALAD/TOMATO/ASPAGARAGUS	759999
SALAD/TOMATO/AVOCADO	751740
SALAD/TOMATO/BEET	759999
SALAD/TOMATO/BELL PEPPER	751740
SALAD/TOMATO/BROCCOLI	751780
SALAD/TOMATO/CABBAGE	751780
SALAD/TOMATO/CARROT	751730
SALAD/TOMATO/CAULIFLOWER	759999
SALAD/TOMATO/CELERY	751740
SALAD/TOMATO/CHARD	759999
SALAD/TOMATO/CILANTRO	759999
SALAD/TOMATO/CORN	759999
SALAD/TOMATO/CUCUMBER	751740
SALAD/TOMATO/GREEN BEAN	751740
SALAD/TOMATO/GREEN PEPPER	751740
SALAD/TOMATO/LETTUCE	751740
SALAD/TOMATO/MUSHROOM	751740
SALAD/TOMATO/OLIVE	759999
SALAD/TOMATO/ONION	751740
SALAD/TOMATO/PARSLEY	759999
SALAD/TOMATO/PEACH	759999
SALAD/TOMATO/PEAS	759999
SALAD/TOMATO/PEPPER	751740
SALAD/TOMATO/POTATO	751740
SALAD/TOMATO/RADISH	751740
SALAD/TOMATO/RED PEPPER	751740
SALAD/TOMATO/SPINACH	764722
SALAD/TOMATO/SPROUTS	759999
SALAD/TOMATO/ZUCCHINI	751740
SALAD/TURNIP	759999
SALAD/ZUCCHINI	759999
SALAD/ZUCCHINI/BROCCOLI	759999
SALAD/ZUCCHINI/CARROT	759999
SALAD/ZUCCHINI/GREEN BEANS	759999
SALAD/ZUCCHINI/ONION	759999
SALAD/ZUCCHINI/PEAS	759999
SALAD/ZUCCHINI/TOMATO	760740
SALSA	744020
SALSA ON SANDWICH	744020
SALSA/GREEN PEPPERS	744020
SALSA/ONION ON SANDWICH	759999
SATSUMA	639999
SAUERKRAUT	752300
SEAWEED	751275
SEAWEED SOUP	759999
SNOW PEAS	759999
SOY	999999
SOY BEAN	999999
SPINACH	721251
SPINACH/AVOCADO ON SANDWICH	759999
SPINACH/TOMATO ON SANDWICH	759999
SPROUTS	751005
SPROUTS ON SANDWICH	759999
SQUASH	751280
STRAWBERRY	632230
STRAWBERRY JUICE	641001
STRAWBERRY/BANANA	633112
STRAWBERRY/KIWI JUICE	999999
STRAWBERRY/RASPBERRY	649999
STRING BEANS	751018
SUMMER SQUASH	751280
SWEET POTATO	734010
SWISS CHARD	759999
TAMARIND	999999
TAMARIND JUICE	999999
TANGELO	639999
TANGERINE	611250
TANGERINE JUICE	634612
TANGERINE/KIWI	639999
TARO	999999
TOMATO	741010
TOMATO JUICE	743011
TOMATO ON SANDWICH	741010
TOMATO SAUCE	744030
TOMATO SAUCE ON SANDWICH	744030
TOMATO SOUP	763740
TOMATO/AVOCADO ON SANDWICH	741010
TOMATO/CABBAGE ON SANDWICH	759999
TOMATO/CUCUMBER ON SANDWICH	759999
TOMATO/GREEN PEPPER ON SANDWICH	759999
TOMATO/LEMON JUICE	749999
TOMATO/LETTUCE	751130
TOMATO/LETTUCE ON SANDWICH	751174
TOMATO/MUSHROOM ON SANDWICH	759999
TOMATO/ONION	760740
TOMATO/ONION ON SANDWICH	741010
TOMATO/SPINACH ON SANDWICH	759999
TURNIP	751290
TURNIP GREENS	721282

APPENDIX III

V-8 JUICE	743030
VEGETABLE JUICE	743030
VEGETABLE JUICE/CARROT/CELERY	749999
VEGETABLE JUICE/CARROT/ORANGE	749999
VEGETABLE JUICE/TOMATO/CARROT	749999
VEGETABLE SOUP	763000
VEGETABLE SOUP/AVOCADO/TOMATO	759999
VEGETABLE SOUP/BAMBOO SHOOTS	759999
VEGETABLE SOUP/BOK CHOY	759999
VEGETABLE SOUP/BROCCOLI	759999
VEGETABLE SOUP/BROCCOLI/CABBAGE	759999
VEGETABLE SOUP/BROCCOLI/CARROT	763723
VEGETABLE SOUP/BROCCOLI/CORN	759999
VEGETABLE SOUP/BROCCOLI/TOMATO	759999
VEGETABLE SOUP/CABBAGE	763760
VEGETABLE SOUP/CABBAGE/CARROT	759999
VEGETABLE SOUP/CABBAGE/SPROUTS	759999
VEGETABLE SOUP/CARROT	763730
VEGETABLE SOUP/CARROT/CELERY	763730
VEGETABLE SOUP/CARROT/CORN	763730
VEGETABLE SOUP/CARROT/GREEN BEAN	759999
VEGETABLE SOUP/CARROT/MUSHROOM	763730
VEGETABLE SOUP/CARROT/ONION	759999
VEGETABLE SOUP/CARROT/PEAS	763730
VEGETABLE SOUP/CARROT/POTATO	763730
VEGETABLE SOUP/CARROT/SEAWEED	759999
VEGETABLE SOUP/CARROT/TOMATO	759999
VEGETABLE SOUP/CAULIFLOWER/BROCCOLI	759999
VEGETABLE SOUP/CELERY	759999
VEGETABLE SOUP/CELERY/CABBAGE	759999
VEGETABLE SOUP/CELERY/CARROT	763730
VEGETABLE SOUP/CELERY/CARROT/POTATO	759999
VEGETABLE SOUP/CELERY/ONION	759999
VEGETABLE SOUP/CELERY/POTATO	759999
VEGETABLE SOUP/CORN	759999
VEGETABLE SOUP/CORN/CABBAGE	759999
VEGETABLE SOUP/CORN/CARROT	759999
VEGETABLE SOUP/CORN/PEAS	759999
VEGETABLE SOUP/CORN/POTATO	759999
VEGETABLE SOUP/GREENS	759999
VEGETABLE SOUP/MUSHROOM	759999
VEGETABLE SOUP/OKRA/CORN	759999
VEGETABLE SOUP/ONION	759999
VEGETABLE SOUP/ONION/CARROT	759999
VEGETABLE SOUP/ONION/CELERY	759999
VEGETABLE SOUP/ONION/PEAS	759999
VEGETABLE SOUP/ONION/TOMATO	759999
VEGETABLE SOUP/PEAS	759999
VEGETABLE SOUP/PEAS/CARROT	763730
VEGETABLE SOUP/PEAS/GREEN BEAN	759999
VEGETABLE SOUP/POTATO	763750
VEGETABLE SOUP/POTATO/CARROT	763730
VEGETABLE SOUP/POTATO/CELERY	759999
VEGETABLE SOUP/POTATO/CORN	759999
VEGETABLE SOUP/POTATO/CUCUMBER	759999
VEGETABLE SOUP/POTATO/LEEK	759999
VEGETABLE SOUP/POTATO/MUSHROOM	759999
VEGETABLE SOUP/POTATO/PEAS	759999
VEGETABLE SOUP/POTATO/SQUASH	759999
VEGETABLE SOUP/POTATO/TOMATO	763740
VEGETABLE SOUP/POTATO/ZUCCHINI	759999
VEGETABLE SOUP/SEAWEED/ONION	759999
VEGETABLE SOUP/SPINACH	759999
VEGETABLE SOUP/SPINACH/POTATO	759999
VEGETABLE SOUP/SQUASH	759999
VEGETABLE SOUP/SQUASH/CARROT	759999
VEGETABLE SOUP/SQUASH/POTATO	759999
VEGETABLE SOUP/SQUASH/TOMATO	759999
VEGETABLE SOUP/TOMATO	759999
VEGETABLE SOUP/TOMATO/CARROT	759999
VEGETABLE SOUP/TOMATO/MUSHROOM	759999
VEGETABLE SOUP/TOMATO/OKRA	759999
VEGETABLE SOUP/TOMATO/ONION	759999
VEGETABLE SOUP/TOMATO/SPINACH	759999
VEGETABLE SOUP/TOMATO/SQUASH	759999
VEGETABLE SOUP/ZUCCHINI/CARROT	763730
VEGETABLE SOUP/ZUCCHINI/CORN	759999
VEGETABLE SOUP/ZUCCHINI/GREEN PEPPER	759999
VEGETABLE STEW	762000
VEGETABLE STEW/CARROT	759999
VEGETABLE STEW/CARROT/ONION	759999
VEGETABLE STEW/CARROT/POTATO	759999
VEGETABLE STEW/CHARD	759999
VEGETABLE STEW/CORN/CARROT	759999
VEGETABLE STEW/CORN/POTATO	759999
VEGETABLE STEW/POTATO	759999
VEGETABLE STEW/SQUASH	759999
WATER CHESTNUT	759999
WATERCRESS	759999
WATERMELON	631490
WATERMELON JUICE	649999
WATERMELON/CANTALOUPE	633090
WHEATGRASS	999999
WINTER SQUASH	751280
WINTERMELON	759999
YAMS	734010
YELLOW SQUASH	751280
YOUNGBERRY JUICE	649999
YUCCA	759999
ZUCCHINI	751280

APPENDIX IVa

Sample sizes by file type, sampling source, and race/ethnicity for Year 1

(Nov. 2000 – Oct. 2001)

		File 1			File 2		
		General Population			Low Income (<$25k/yr HH)		
	Race/ethnicity	General RDD	Targeted RDD	General Population RDD Total	LI from Gen Pop RDD	Targeted Low Income	Low Income Total
November-00	White	84		84	16	42	58
	African American	11	27	38	17	18	35
	Latino	36	40	76	48	45	93
	Other+Refused	20		20			
	Totals	151	67	218	81	105	186
December-00	White	89		89	13	36	49
	African American	13	59	72	27	16	43
	Latino	30	46	76	40	25	65
	Other+Refused	15		15			
	Totals	147	105	252	80	77	157
January-01	White	89		89	16	31	47
	African American	10	61	71	23	28	51
	Latino	33	43	76	36	20	56
	Other+Refused	12		12			
	Totals	144	104	248	75	79	154
February-01	White	82		82	9	51	60
	African American	4	73	77	20	36	56
	Latino	18	71	89	41	38	79
	Other+Refused	17		17			
	Totals	121	144	265	70	125	195
March-01	White	89		89	14	42	56
	African American	4	78	82	33	10	43
	Latino	25	76	101	50	17	67
	Other+Refused	17		17			
	Totals	135	154	289	97	69	166
April-01	White	89		89	9	49	58
	African American	7	76	83	21	32	53
	Latino	36	67	103	51	20	71
	Other+Refused	16		16			
	Totals	148	143	291	81	101	182
May-01	White	86		86	15	37	52
	African American	10	87	97	37	32	69
	Latino	26	63	89	50	21	71
	Other+Refused	14		14			
	Totals	136	150	286	102	90	192
June-01	White	85		85	13	47	60
	African American	6	94	100	30	25	55
	Latino	29	78	107	47	13	60
	Other+Refused	12		12			
	Totals	132	172	304	90	85	175
July-01	White	97		97	13	43	56
	African American	3	73	76	31	23	54
	Latino	24	62	86	45	16	61
	Other+Refused	9		9			
	Totals	133	135	268	89	82	171
August-01	White	86		86	19	36	55
	African American	5	85	90	36	13	49
	Latino	35	64	99	48	19	67
	Other+Refused	18		18			
	Totals	144	149	293	103	68	171
September-01	White	85		85	9	39	48
	African American	14	89	103	38	19	57
	Latino	35	56	91	47	10	57
	Other+Refused	24		24			
	Totals	158	145	303	94	68	162
October-01	White	89		89	19	32	51
	African American	5	96	101	43	19	62
	Latino	26	69	95	63	9	72
	Other+Refused	18		18			
	Totals	138	165	303	125	60	185

APPENDIX IVb

Sample sizes by file type, sampling source, and race/ethnicity for Year 2

(Nov. 2001 – Oct. 2002)

		File 1			File 2		
		General Population			Low Income (<$25k/yr HH)		
	Race/ethnicity	General RDD	Targeted RDD	General Population RDD Total	LI from Gen Pop RDD	Targeted Low Income	Low Income Total
November-01	White	87		87	17	35	52
	African American	7	129	136	55	15	70
	Latino	20	62	82	45	18	63
	Other+Refused	20		20			
	Totals	134	191	325	117	68	185
December-01	White	89		89	14	40	54
	African American	6	107	113	42	21	63
	Latino	27	69	96	52	16	68
	Other+Refused	18		18			
	Totals	140	176	316	108	77	185
January-02	White	78		78	15	38	53
	African American	5	92	97	33	19	52
	Latino	19	70	89	41	15	56
	Other+Refused	15		15			
	Totals	117	162	279	89	72	161
February-02	White	84		84	13	37	50
	African American	9	83	92	35	12	47
	Latino	20	59	79	41	16	57
	Other+Refused	18		18			
	Totals	131	142	273	89	65	154
March-02	White	99		99	18	29	47
	African American	12	96	108	36	18	54
	Latino	21	59	80	34	18	52
	Other+Refused	21		21			
	Totals	153	155	308	88	65	153
April-02	White	77		77	10	35	45
	African American	8	88	96	36	16	52
	Latino	28	50	78	41	23	64
	Other+Refused	13		13			
	Totals	126	138	264	87	74	161
May-02	White	84		84	6	46	52
	African American	5	78	83	31	15	46
	Latino	30	47	77	39	18	57
	Other+Refused	14		14			
	Totals	78	125	258	76	79	155
June-02	White	86		86	14	35	49
	African American	4	82	86	34	17	51
	Latino	33	53	86	37	17	54
	Other+Refused	21		21			
	Totals	144	135	279	85	69	154
July-02	White	77		77	6	41	47
	African American	11	79	90	33	15	48
	Latino	27	61	88	43	16	59
	Other+Refused	12		12			
	Totals	127	140	267	82	72	154
August-02	White	81		81	15	36	51
	African American	5	80	85	31	22	53
	Latino	30	52	82	35	20	55
	Other+Refused	18		18			
	Totals	134	132	266	81	78	159
September-02	White	80		80	15	40	55
	African American	8	76	84	36	15	51
	Latino	23	52	75	28	21	49
	Other+Refused	16		16			
	Totals	127	128	255	79	76	155
October-02	White	77		77	9	44	53
	African American	5	73	78	23	25	48
	Latino	25	50	75	38	20	58
	Other+Refused	10		10			
	Totals	117	123	240	70	89	159