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School Nutrition Dietary Assessment Study-III: Public-Use File Documentation, Version 2

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I. INTRODUCTION

The U.S. Department of Agriculture (USDA) National School Lunch Program (NSLP) and School Breakfast Program (SBP) provide subsidized meals to children in school, and provide these meals free or at a reduced price to children from low-income families. The Food and Nutrition Service (FNS) of USDA sponsored the third School Nutrition Dietary Assessment study (SNDA-III) to provide up-to-date information on the school meal programs, the school environments that affect the food programs, the nutrient content of school meals, and the contributions of school meals to children's diets. Mathematica Policy Research, Inc. (MPR) conducted the data collection and analysis under contracts with FNS.

Research questions examined in SNDA-III fit into four categories:

1. What are the characteristics of School Food Authorities (SFAs) (school districts or groups of districts that administer the NSLP) and schools participating in the NSLP and SBP? How do they provide school meals, what is the environment in which meals are offered, and to what extent are competitive food sources available?

2. What is the food and nutrient content of USDA meals offered and served to students? How well do these meals meet current FNS nutrition standards introduced in 1995 as part of the School Meals Initiative for Healthy Children (SMI)?

3. What are the levels of school meal program participation and customer satisfaction, the characteristics of participants and nonparticipants, and the factors that affect participation and satisfaction?

4. What is the quality of schoolchildren's diets and the role of school meals and competitive foods in their diets?

This document describes Version 2 of the public-use data files prepared from the SNDA-III data, which have been revised to add MyPyramid food group servings data to the recall files (described further in Chapter IV) and some constructed variables, as well as to fix some minor

errors or omissions in the original version.[1] Appendix A provides copies of survey instruments that have been annotated with the variable names associated with each question. Detailed contents and layouts for each data file are provided in Excel spreadsheets that accompany this document. Study results are available in a summary report and a three-volume technical report:

> Gordon, Anne, and Mary Kay Fox. "School Nutrition Dietary Assessment Study-III: Summary of Findings."

> Gordon, Anne, Mary Kay Crepinsek, Renee Nogales, and Elizabeth Condon. "School Nutrition Dietary Assessment Study-III: Volume I: School Food Service, School Food Environment, and Meals Offered and Served."

> Gordon, Anne, Mary Kay Fox, Melissa Clark, Renee Nogales, Elizabeth Condon, Philip Gleason, and Ankur Sarin. "School Nutrition Dietary Assessment Study-III: Volume II: Student Participation and Dietary Intakes."

> Gordon, Anne, John Hall, Eric Zeidman, Mary Kay Crepinsek, Melissa Clark, and Elizabeth Condon. "School Nutrition Dietary Assessment Study-III: Volume III: Sampling and Data Collection."

These reports are available on the USDA FNS Office of Analysis, Nutrition, and Evaluation web site, at http://www.fns.usda.gov/oane/menu/Published/CNP/cnp.htm. Additional work using these data is presented in the February 2009 Supplement to the Journal of the American Dietetic Association.

Although the SNDA-III analyses conducted by MPR were extensive, many avenues remain for further research with the SNDA-III data. The rest of this chapter provides an overview of the study design, data collection, and files created. It also covers some technical issues that cut across the various files. Each of the remaining chapters describes one or more files in detail.

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[1] Revisions to the files and documentation were completed with funding from the Robert Wood Johnson Foundation, Healthy Eating Program, and the USDA Economic Research Service, Food Assistance and Nutrition Research Program.

A. SAMPLE DESIGN

SNDA-III was based on a multistage sampling approach, which first sampled SFAs, then schools served by these SFAs, and then children who attended these schools. Children were sampled from lists of all students enrolled at the sampled school. Parents of the sampled children were also interviewed. Substantive data for the study were obtained at each of these levels.

The SFA sample was divided randomly into two parts: (1) SFAs that would participate in SFA-, school-, student-, and parent-level data collection; and (2) SFAs that would participate only in SFA- and school-level data collection; the first group consisted of 94 SFAs, the second group of 36. The latter sample of SFAs (and their schools) was included to increase the precision level of the menu survey and school-level interview data.

For each sampled SFA, the sample design called for selecting three schools, if available: one elementary school, one middle school, and one high school. The definitions of elementary, middle, and high schools are the same as those used in the previous SNDA studies:

- *Elementary schools* are either (1) those with lowest grades between pre-kindergarten and 3rd grade (regardless of the highest grade(; or (2) those with the lowest grade either 4 or 5 and the highest grade less than 8. Schools with grade ranges such as K-8 and K-12 are classified as elementary schools so all schools fit into one category or the other. [2]

- *Middle schools* are schools in either of two situations: (1) the lowest grade is 4 or 5, and the highest grade is 8 or higher; or (2) the lowest grade is 6, 7, 8, or 9, and the highest is less than 10.

- *High schools* are those with either (1) lowest grades of 6, 7, 8, or 9 and highest grades of 10 or above; or (2) lowest grades of 10, 11, or 12.

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[2] This classification was chosen to be consistent with the SNDA-I and SNDA-II studies. Note that only 11 schools (2 K-12 and 9 K-8) fell into these categories.

The final school sample included 398 schools in 130 SFAs. Among those schools, 397 provided lunch menu survey data (one school provided only breakfast menus) and 331 provided breakfast menus (as not all schools offer the SBP).

Within each school in SFAs selected for student data collection, children were randomly selected as eligible for completing a 24-hour dietary recall interview; both the student and one of his or her parents (or a guardian) were interviewed, if possible. A subsample of students completed another dietary recall interview about a week later, to capture the variability of students' intakes from day to day.[3] Although the goal was roughly eight student interviews per school, larger numbers were selected to allow for failure to receive consent from parents for the student interview (in districts where active consent was required) and for parent nonresponse to the parent interview.[4]

A final stage in student sampling took place on the day of data collection. Lists of students for whom consent was obtained were randomly ordered, and students were called from their classrooms for the interview. If the student was absent or otherwise unavailable, the next student on the list was contacted, until the desired number of interviews had been completed.

SFAs, schools, and students who declined to participate in the data collection were replaced by randomly chosen substitutes. Student-level data were collected in 288 schools in 94 SFAs. In all, 2,709 students were interviewed in school, and 2,330 of their parents were interviewed. The analysis sample for student-level analyses was defined as all students who completed a dietary

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[3] Students in kindergarten and pre-kindergarten were omitted from the study because of concerns about their ability to provide accurate dietary intake information. (thorough a 24-hour dietary recall) For similar reasons, special education students in self-contained classes were also ineligible. Schools that served only these groups were also treated as ineligible.

[4] For elementary school students, parents were asked to complete an in-person interview and help their child complete a 24-hour recall, which often involved a trip to the school. For secondary school students, parents did not help with the 24-hour dietary recall, and the parent interview was conducted by telephone.

recall and whose parent completed the parent interview—2,314 students met those criteria and are thus included in the student-level files. A subsample of nearly 800 students completed a second 24-hour dietary recall, and 666 of these students were included in the analysis sample.

B. DATA COLLECTED

MPR conducted most of the data collection from January through August 2005. Data were collected from SFA directors and their staff (SFA level), school foodservice managers and principals (school level), and parents and students (student level). In addition, field interviewers completed checklists during their visits to the schools sampled for student-level data collection. Table I.1 summarizes the data collection instruments used to create the SNDA-III file. For all instruments for which the raw data are included in the files, Appendix A provides copies of the instruments annotated with the variables names associated with each question. The rest of this section describes each of the data collection activities and associated instruments.

a. SFA-Level Data Collection

At the SFA level, the Initial Contact Survey (Part I) collected data on the characteristics of the three schools in the main sample from SFA staff, and the SFA Director Survey collected data on SFA characteristics and policies. The Initial Contact Survey asked, for each school, about participation in the NSLP and SBP, the type of menu-planning system used, enrollment, and numbers of reimbursable meals served. The data, although collected from the SFA, were later converted to a school-level file. The SFA Director Survey collected data on SFA policies and practices regarding menu planning, food purchases, competitive foods, and other issues, such as nutrition promotion and meal pricing.

TABLE I.1

SNDA-III INSTRUMENTS

Instrument	Respondent(s)	Mode
SFA Level		
Initial Contact Survey Part I	SFA director or designee	Telephone interview prior to visit or data collection (mailed upon request).
Survey of SFA Directors	SFA director	Telephone interview after visit or data collection (mailed upon request).
School Level		
Initial Contact Survey Part II	School staff in visited schools	Telephone interview prior to visit (visited schools only)

Menu Survey
   1.   Daily Meal Counts Form
   2.   Reimbursable Foods Form: Breakfast
   3.   Reimbursable Foods Form: Lunch
   4.   Recipe Form
   5.   Self-Serve/Made-to-Order Bar Form
   6.   Point-of-Sale Form
	School foodservice manager	Mail with intensive telephone training, technical assistance, and followup; in-person followup in 287 visited schools; the proportion a la carte form was completed by telephone after remaining menu survey forms were returned.

School Foodservice Manager Survey	School foodservice manager	Telephone (mailed upon request) in 111 schools; in-person interview in 287 visited schools
Principal Survey	Principal	Telephone (mailed upon request) in 108 schools; in-person interview in 287 visited schools
Alternative Food Source Checklist	n.a.	Completed by interviewer during visit to 287 schools
A La Carte Checklist	n.a	Completed by interviewer during visit to 287 schools
Vending Machine Checklist	n.a	Completed by interviewer during visit to 287 schools
Student/Parent Level		

Student Dietary Recall and Interview
   Student Interview
 	
   Day 1 Recall (plus parent-assisted recall for elementary school students)
 	
   Day 2 Recall (plus parent-assisted recall for elementary school students)
	Student	In-person interview

Weight and Standing Height Measurement	Student	In-person observation
Parent Interview	Parent	In-person interview for parent of elementary student/telephone interview for parent of secondary student

n.a. = not applicable.

b. School-Level Data

At the school level, data were collected from the school foodservice manager and the principal. School-level data were also collected via checklists that field interviewers completed when they were on-site for the student-level data collection.

Menu Survey. School foodservice managers completed the Menu Survey, with help by telephone from MPR technical assistants. The goal of the survey was to collect data on all foods offered in school breakfasts (if available) and school lunches over the course of a typical school week, along with information on the number of servings students selected of each food. The survey included the following forms:

- The Daily Meal Counts Form collected counts of USDA-reimbursable meals (NSLP lunches and SBP breakfasts) for each day of the target week by whether the meals were free, reduced price, or full price; in addition, dollar amounts of a la carte sales for each day were collected.

- The Reimbursable Foods Forms (slightly different versions for breakfast and lunch) included detailed lists of food items, portion sizes, the amounts of each food item available, and the amounts of each left over. Separate forms were completed for each breakfast and lunch on each day of the target week.

- The Recipe Form supplemented the Reimbursable Foods Forms by collecting recipes for all items made by combining two or more foods or ingredients.

- The Self-Serve/Made-to-Order Bar Form described items included in various self-serve and made-to-order bars (for example, salad bars, deli bars).

- The Point-of-Sale (POS) Form recorded all locations within a school where food could be obtained, including an entry for each line in the cafeteria, and the proportions of foods sold as reimbursable meals at each location. On-site observers completed these forms.[5] Although the data were collected from school foodservice staff or by observation, they were not used in the menu analysis but in the coding of dietary recalls and construction of the NSLP and SBP participation measures.

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[5] These data were used to help identify the source of the foods that interviewed students ate; they were used in coding the dietary recall foods by source and in developing measures of students' NSLP and SBP participation. See Appendix A of Volume II for more information on participation measures.

Data collected on the Daily Meal Counts Form and POS Form were data-entered and processed separately from the main Menu Survey data. Data provided on the other menu survey forms were used in conjunction with Survey Net (USDA's food coding and nutrient analysis software, described further in Chapter III) to create a "menu database" for each school.[6]   The menu database included, for each school, separate daily records for lunch and, where offered, for breakfast. Each day-and-meal-specific record (for example, the record for Monday lunch) included the following information for every item offered in the reimbursable meal: food name/description; portion size; number of servings served or sold in reimbursable meals; and nutrient content per serving. Major and minor food group codes were also developed to use in describing the types of foods available; these and other constructed variables are described in Chapter III, Section A.

School Foodservice Manager Survey and Principal Survey. These surveys collected information on school policies and practices. School foodservice managers were asked to provide descriptions of kitchen characteristics and practices with regard to vending machines, meal prices, meal counts, and meal periods. In addition, they were asked about accommodations for students with special dietary needs and availability of nutrition education programs. The Principal Survey collected information on mealtime policies and practices (such as whether students were allowed off campus), other activities scheduled during mealtimes, vending machines, school stores and snack bars, after-school programs, and nutrition education and promotion. These surveys were completed in person, if possible, in the schools visited for student data collection and otherwise by telephone (or by mail, upon request).

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[6] USDA's Survey Net database provides values for over 60 nutrients for each food code. A list of the nutrients included is available at [www.ars.usda.gov/SP2UserFiles/Place/12355000/pdf/fndds_doc .pdf#nutrientlist].

Alternative Food Source Checklist, A La Carte Checklist, and Vending Machine Checklist. Field interviewers completed these checklists when they were on-site. The forms are thus only available for schools that were visited for the student data collection. Interviewers used the checklists to collect data on the availability of foods from various sources (school stores, a la carte in the cafeteria, snack bars, food carts, vending machines) that compete with reimbursable school meals, including details about the specific types of food available.

c. Student-Level Data

Data collected from students and their parents included their reports of participation in the NSLP and SBP, reasons for participation or nonparticipation, and satisfaction with school meals. Data were also collected on the student's dietary intake over a 24-hour period and on the student's characteristics, such as age, as well as measured height and weight.

Student Interview. The focal point of this interview was a 24-hour dietary recall. The interview also included questions for the student from the Child Survey instrument, on school meal consumption, the student's perception of availability of and opinions about school meals (including reasons for eating or not eating the meals, when they were available), and the environment in which lunch was eaten (for example, cleanliness, crowding, and other activities during lunch). Also included were items about use of dietary supplements, recreational activities, and exercise; some of these items were asked only of children in middle and high schools.

Parent Interview. This interview collected information about parents' perceptions of their children's consumption of school meals, attitudes toward school meals (their own attitudes and perceptions of their children's attitudes), and their knowledge about the availability of certain foods at school. It also asked whether the student was receiving free or reduced-price meals;

whether the family had applied for such meals; and, if it had not applied, why not. Questions about the student's activity level, overall health, dietary habits, food allergies, and consumption of certain foods were also included. Finally, the parent interview collected demographic and economic data on the student and the family and food security measures.

Weight and Height Information Form. Field staff completed this form as they measured the child's height and weight, using standardized equipment. This information was used to determine body mass index and estimated energy requirements.

C. OVERVIEW OF DATAFILES

Data files for data other than the food and nutrient data were produced for each sampling level—so there is an SFA-level file, a school-level file, and a student-level file. The Menu Survey data are available as six files, three for lunch menus and three for breakfast menus. The Dietary Recall data are included in one file, which has records for both Day 1 recalls, and, for the subsample that completed a second dietary recall, Day 2 recalls. Table I.2 gives the file names, samples included (both sample size and how it was defined), and the instruments that provided the data.

D. CROSS-CUTTING DATA AND ANALYSIS ISSUES

Two important issues cut across all of the SNDA-III data—changes to preserve the confidentiality of the districts, schools, and students in the study, and variables provided to help in using the data so that results are nationally representative and the standard errors of the estimates account for the complex sample design.

TABLE I.2

OVERVIEW OF SNDA-III DATAFILES

File Name	Description	Instruments Included	Level	Number of Records
Public_sfa_v2.sas7bdat	SFA File	CCD, Preliminary, SFA Director	SFA	129
Public_school_v2.sas7bdat	School Survey File	CCD, Initial Contact Survey, Principal Survey, Food Service Manager Survey, Point-of-Sale Form, Daily Meal Count Form, Vending Machine Checklist, A La Carte Checklist, Alternative Food Sources Checklist	School	398
Public_chldprhw_v2.sas7bdat	Student-Parent File	Student Interview, Parent Interview, Height-Weight Form	Student	2,314
	Menu Files	Menu Survey Forms:	School	
Public_lunch_food_v2.sas7bdat	Food-Level Lunch	Reimbursable Foods Form, Recipe Form, Self-Serve Foods Form Processed in Survey Net	Food	38,508
Public_breakfast-_food_v2.sas7bdat	Food-Level Breakfast	Reimbursable Foods Form, Recipe Form, Self-Serve Foods Form Processed in Survey Net	Food	19,673
Public_lunch_menu_v2.sas7bdat	Menu-Level Lunch		Daily Menu	1,915
Public_breakfast_menu_v2.sas7bdat	Menu-Level Breakfast		Daily Menu	1,605
Public_lunch_school_v2.sas7bdat	School-Level Lunch		School	397
Public_breakfast_school_v2.sas7bdat	School-Level Breakfast		School	331
Public_Recall_v2.sas7bdat	Dietary Recall File	Recall data from AMPM and processed in Survey Net	Food	39,201

Notes: SFA file excludes one SFA with /no SFA Director Survey. School-level files include all schools with menu survey data for lunch or breakfast. Student-level files includes only students with complete Day 1 Recalls and Parent Interviews.
SFA=School Food Authority.

CCD=Common Core of Data from the U.S. Department of Education, 2002-2003.

1. Data Masking

Continuous variables that might allow deductive disclosure of the identify of a district, school, or student were either grouped or converted to a percentage—such variables are noted in the detailed discussions of the individual files. For example, at the school level, student enrollment is grouped, and the number of students certified for free or reduced-price meals was converted to a percentage of total enrollment. File identifiers and related variables indicating stratum and primary sampling unit (PSU) have been reset so that they cannot be traced back to specific individuals, schools, or SFAs.

2. Accounting for the Complex Sample Design

Sampling weights were created for the SFA, school, and student levels that adjust for the complex design and also for survey nonresponse. At the SFA level, the weight variable WGTPSTRAT is defined for the 129 SFAs that have a completed SFA Director Survey. At the school level, the weight variable FinalPSWGT applies to the 398 schools with complete Menu Surveys for breakfast, lunch, or both meals. *This school sampling weight should not be confused with the "offer" and "serving" weights discussed in Chapter III, which are used to aggregate the nutrients in the various foods on the school menus into the nutrients in the "average" meal offered or served. In analyses of menu data, the school-level sampling weight should be applied only after the menu data have been aggregated to the school level.*

Two weights are defined at the student level: STUFINWT is for all students with a completed Day 1 dietary recall; PARFNLWT is for students with a Day 1 recall and a completed parent interview (the sample in the student-parent survey file) and zero for all others. The latter weight includes an adjustment for parent interview nonresponse. For more information on the sampling weights, see Volume III, Chapter V of the technical report.

Weighting makes the sample nationally representative, but additional adjustments are needed to obtain accurate estimates of the standard errors of the estimates, because of the clustered and stratified sample design. Appendix B describes sample program code for such adjustments using SUDAAN and STATA.

II. SCHOOL FOOD AUTHORITY (SFA)-LEVEL DATA

As described in Chapter I, school food authorities (SFAs) were randomly selected to create a sample that is representative of all public SFAs (school districts or small groups of districts) nationally that participate in the National School Lunch Program. The SFA-level data file includes responses to the SFA Director Survey and selected variables from two parts of the Preliminary Survey (the fax-back survey and the telephone survey), the SFA-level weight, and constructed variables used in the analyses.

The Preliminary Survey was a multi-mode survey of a national sample of 2,150 public SFAs conducted in school year 2003-2004, one year before the SNDA-III data were collected. The survey was designed so it could be used as a sample frame of SFAs from which the SNDA-III sample would be selected. Data were also collected on a range of SFA characteristics that are best studied with a large sample. The Preliminary Survey sample was selected from the 2001-2002 U.S. Department of Education Common Core of Data (CCD) School District Files, merged with U.S. Census 2000 data on district child poverty levels. The SNDA-III SFA File keeps some key CCD data from the preliminary survey files (urbanicity), as well as the Census district child poverty measure (grouped to three levels). However, only the Preliminary Survey data for the 129 SFAs that were part of the SNDA-III sample and completed the SFA Director Survey are included in the file. Furthermore, a substantial number of variables (such as the number of schools in the SFA) were dropped or grouped for confidentiality reasons, or, in certain cases, numbers of schools or students in certain categories were converted to percentages.[1]

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[1] Some of the preliminary survey constructed variables derive from a version of the Preliminary Survey File created by Abt Associates as a subcontractor to MPR under a previous contract. These variables have "Abt Created" as part of the variable label. For more information on the Preliminary Survey, see Volume III, Appendix A of the technical report, and Logan and Kling (2005).

Two variables on the file were based on the 2000 Census data on district child poverty levels, but they are aggregated. POV indicates that the district poverty level was in one of three categories: less than 20 percent, 20 to less than 30 percent, 30 percent or more, while POV30 is a flag for districts with a poverty level of 30 percent or more, which was used to develop sampling strata.

The SFA file (**public_sfa.sas7bdat**) includes data for 129 SFAs. One SFA that did not respond to the SFA Director Survey but did provide school-level data is excluded from the file, but its schools are included in the school-level files, and weights were adjusted appropriately. The weight variable for this file is WGTPSTRAT. All variables directly from the SFA Director Survey have a name that starts with a "q" and is linked to the question number (see the annotated instrument in Appendix A). When SFA Director Survey questions were skipped because of skip logic, the value for the skipped variables was set to ".s", which is the SNDA-III logical skip code. Other missing values throughout these data are simply blank with periods, as is typical in SAS datafiles.

III. SCHOOL-LEVEL FILES

The school-level files include a set of six files with data from the Menu Survey and a large school file combining data from the school-level interviews and checklists. All of these files include the weighting variable FinalPSWGT. This chapter describes each in turn.

A. MENU SURVEY

School food service managers completed the SNDA-III Menu Survey, with extensive technical assistance from specially trained telephone interviewers. They recorded data for a target week, usually consisting of five consecutive school days (some schools reported fewer than five days because of holidays). Menu data collection occurred from January to June of the 2004-2005 school year. School food service managers reported on all foods offered in reimbursable meals, including food name and description, portion size, number of portions served to students, and recipes for mixed dishes. Raw data collected in the school menu surveys were converted into electronic data files that provided nutrient amounts and food group designations for individual food items. This involved coding and entering the data using USDA's Survey Net food coding and nutrient analysis system. Survey Net is based on the USDA National Nutrient Database for Standard Reference 16-1.

Survey Net was developed for the analysis of dietary intake data and required some manipulation to use it to code school menus. Each menu (a specific day's lunch or breakfast menu) was entered as a separate record. Using Survey Net to code school menus also required the creative use of some existing fields. For example, data fields such as time of day, eating occasion, and where the food was obtained, were not needed for analysis of school menu data. Therefore, these fields were used for the entry of other information essential to the menu analysis, including daily meal counts and the number of reimbursable portions of each menu

item served. Coders entered school menu information for breakfast and lunch using procedures and detailed guidelines developed specifically for this study (refer to Volume III of the technical report for more information).

After all of the menu information was entered in Survey Net, supervisors performed quality control reviews to identify potential coding errors. This process included the following types of checks: (1) basic data integrity checks for missing data, duplicate entries, and valid values; (2) out-of-range nutrient values for menu items; (3) review of recipe modifications; (4) manual and automated imputations for missing data on the number of portions served; and (5) manual and automated adjustments for over-reporting of portions served.

Six data files that contain the data from the Menu Survey were created: food-level files, menu-level (day-level) files, and school-level files for both lunch and breakfast. The lunch files contain data from 397 schools (1,915 school menu days), while the breakfast files contain data from 331 schools (1,605 school menu days), since not all study schools offered the SBP. The files are named as follows:

- Public_lunch_food_v2.sas7bdat – Food-level lunch file.
- Public_breakfast_food_v2.sas7bdat - Food-level breakfast file.
- Public_lunch_menu_v2.sas7bdat – Menu-level lunch file.
- Public_breakfast_menu_v2.sas7bdat - Menu-level breakfast file.
- Public_lunch_school_v2.sas7bdat – School-level lunch file.
- Public_breakfast_school_v2.sas7bdat - School-level breakfast file.

To ensure confidentiality, all variables that could potentially be used to identify an individual school or school food authority (SFA) were removed from the data. Each school and SFA was randomly assigned a unique identification number. Each of the files contains the school identification number (SCHOOL_ID) and SFA identification number (SFA_ID).

To account for the complex sampling design, three key variables are included in the data: a weight variable (FinalPSWGT), a stratum variable (NEWSTRAT), and a primary sampling unit variable (NEWPSU). These variables are used in special software, such as SUDAAN or STATA, to estimate standard errors for various statistics that account for the design (see Appendix B for further information).

The following section describes the contents of the data sets and detailed variable specifications for constructed variables. Detailed file layouts and variable labels for each file are included in the attached Excel "contents" files.

1. Food-Level Data

The food-level data file includes the foods offered on school lunch and breakfast menus. Each observation represents a menu item offered on a school menu. Two types of analyses were used to aggregate the nutrients in each food into the nutrients in an "average" school meal. An *unweighted* (or "simple averaging") nutrient analysis was used to assess the mean energy and nutrient composition of NSLP and SBP meals *offere*d to students. A *weighted* analysis takes into account the number and types of foods actually *served* to students, giving greater weight to the nutrient value of foods that students' select more frequently. For comparison to previous SNDA studies, both types of analyses were conducted for SNDA-III, using methods described in detail in Volume I, Appendix C of the technical reports.

The following variables from the food-level lunch and breakfast data files include those constructed to conduct the weighted and unweighted nutrient analyses, food group analyses, and analyses of the nutrients provided in the lowest-percent-fat and lowest-percent saturated fat menu options, plus an alternate measure of Vitamin A:

- **Offer weight** (OFFERWEIGHT). The unweighted analysis required the assignment of weighting factors to compute the average nutrient content of a typical serving from each meal component group. All menu items within meal component groups were assigned weights, known as offer weights, in order to compute simple averages for the major meal component groups. These averages were then added together to determine the total nutrient content of the average meal offered to students. Offer weight values range from 1-300.

- **Serving weight** (SERVINGWGT). This variable represents the number of reimbursable portions served. In most cases, the serving weight is equal to the value of the variable, WHATCALO, which is the number of servings provided on the Reimbursable Food Form. However, missing and out-of-range values for the number of reimbursable portions served were imputed or adjusted based on the total number of meals served.

- **Count variables.** Additional "count" variables were constructed, as intermediate variables, to calculate offer weights. These count variables were also used to determine the amount of choice and variety of foods in school menus. Menu items that were "linked" to (served exclusively with) foods within the major meal component groups were excluded from the count variable totals. For example, a roll served only with chicken nuggets was not taken into account in calculating the total number of grain/bread items on that day. Also, at breakfast, all cold cereal choices counted as one grain/bread item regardless of the number of different types of cereals offered on a menu.

  Lunch menu count variables:

  MENUCNT: Total number of menu items per day per school
  MILKCNT: Total number of milk items per day per school
  TOTFV: Total number of fruit and vegetable items per day per school
  BRDCNT: Total number of (unlinked) bread items per day per school
  ENTRMET: Total number of entrees and meat/meat alternates per day per school
  DESERCNT: Total number of dessert items per day per school
  OTHERCNT: Total number of other items per day per school

  Breakfast menu count variables:

  MENUCNT: Total number of menu items per day per school
  MILKCNT: Total number of milk items per day per school
  TOTFV: Total number of fruit and vegetable items per day per school
  OTHERCNT: Total number of other items per day per school
  TOTALMG: Total meat grain equivalents per day per school
  ECOUNT: Total entrees per day per school.
  MACOUNT: Total meat alternates per day per school
  GRAINCCOUNT: Total grains per day per school. Multiple cereals on one menu are counted as one grain.

- **Meat/Grain Serving Equivalents** (MGEQUIVAL). All items in breakfast menus with meal component codes of B (bread/grain), MA (meat/meat alternate), or E (entree) were assigned serving equivalents to ensure that items were handled appropriately in the unweighted nutrient analysis. This variable, created for all foods with meal components of B, MA, or E, indicates how many of the two meat/grain equivalents required in a food-based reimbursable breakfast (see below) are supplied by the food. All foods have a value of 1 (provides 1 meat/grain equivalent) or 2 (provides 2 or more meat/grain equivalents).

- **Major and Minor Food Groups** (major, minor1, minor2, minor3, minor4). A food grouping system, using major and minor food groups, was developed to provide further insight into the various types of foods and beverages offered in reimbursable lunch and breakfast menus. Each menu item was assigned to one of nine major food groups: milk, fruits, vegetables, combination entrees, meat/meat alternates, grains/breads, desserts, accompaniments (condiments, spreads, and toppings), and other menu items, such as snack items and juice drinks (not 100% juice). To further classify foods, the major food groups were expanded into 148 subgroups (minor food groups). These food groups are documented in Appendix D—the variables are all alpha variables with the food group name**.**

- **Lowest-Percent-Fat and Lowest-Percent-Saturated-Fat Codes** (LPF_CODE and LPSF_CODE). An analysis was conducted to assess the relative availability of low-fat lunches, defined as lunches containing no more than 30 percent of energy from total fat when averaged over a week. The methodology used in this analysis is similar to the methodology used in the unweighted nutrient analyses of NSLP lunches (see Volume I, Appendix C). First, the lowest-percent-fat lunch was constructed for each school by determining the lowest-fat menu items offered (based on the percentage of energy from total fat) from each of the main meal components that comprise a reimbursable lunch under food-based menu planning. The LPF_code variable has the following codes:

  1 = Lowest-Percent-Fat Milk

  2 = Lowest-Percent-Fat Entree/Meat/meat alternate

  3 = Lowest-Percent-Fat Unlinked bread/grain

  4, 5 = Lowest-Percent-Fat Unlinked fruit/vegetable

  0 = All other menu items

  The *lowest-percent-fat lunch* for a given day consisted of the lowest-percent-fat milk option, the lowest-percent-fat entree (meat/bread combination) or meat/meat alternate option, the lowest-percent-fat grain/bread option (if offered), and the two lowest-percent-fat fruit/vegetable options. Linked toppings and condiments were included in the analysis, but desserts and other optional menu items were excluded. Nutrient totals for the daily lowest-percent-fat options were then averaged across the week to determine the mean energy and nutrient content of the lowest-percent-fat lunches offered by each school. The same

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method was used to determine the energy and nutrient composition of the *lowest-percent-saturated fat-lunches*, and the foods used are flagged using the LPSF_CODE variable.

- Vitamin **A in retinol equivalents (RE)** (VITARE). The Survey Net database reports vitamin A in retinol activity equivalents (RAE), which is consistent with the new DRI unit of measure for vitamin A. In order to compare SNDA-III vitamin A values to previous studies and to the 1989 RDA-based standard for vitamin A in school meals, RAE values were converted to retinol equivalents (RE). Retinol equivalents are calculated from the amounts of retinol and carotenoids in foods using the following formula:

$$\text{ME\_VITARE} = \text{ME\_RETINOL} + (\text{ME\_CAROBETA} \div 6) + (\text{ME\_CAROALPH} \div 12) + (\text{ME\_CRYPT} \div 12)$$

In other words, retinol equivalents of vitamin A in micrograms are calculated by summing micrograms of retinol plus micrograms of beta-carotene divided by six, plus micrograms of alpha-carotene divided by twelve, plus micrograms of beta-cyrptoxanthin divided by twelve.

Other constructed variables have formats provided as part of the data files. These formats define the categories for various values. A copy of the format code is included in Appendix E.

2. Menu-Level Data

The lunch and breakfast menu-level files contain menu-level variables for the daily nutrient totals, as served and as offered. Lunch variables have the prefix *MENL_* and breakfast variables have the prefix *MENB_*. Weighted and unweighted nutrient variables (as served and as offered, respectively) are named with *_W* and *_UW*. For example, MENL_UWTOTFAT is the menu-level variable for unweighted total fat at lunch. The variable for grams of fiber per 1000 calories, Fiber1000, was constructed using the following formula:

$$\text{Fiber1000} = (\text{DIETFIBER} \div \text{ENERGY}) * 1000.$$

3. School-Level Data

The school-level files include nutrient values averaged over all menu days for each school surveyed. The school-level nutrient variables are named with the prefix *SCHL_* for lunch and *SCHB_* for breakfast. The file contains two sets of nutrients—one weighted (as served) and the other unweighted (as offered). The labels for the weighted variables have a *_W* between the prefix and the nutrient name, while the unweighted variable labels include *_UW*. For example, SCHB_WENERGY is the school-level variable for weighted energy at breakfast.

B. SCHOOL-LEVEL DATA (OTHER THAN MENU DATA)

The school file (**public_schl_v2.sas7bdat**) contains all school-level datasets except the Menu Survey. The file includes all schools that completed the Menu Survey and thus have nonzero school weights. The data file includes variables from the principal survey, the food service managers survey, the initial contact survey, the vending machine checklist, a la carte foods checklist, alternative food sources checklist, daily meal count form; it also includes school-level weights and the constructed variables that were used in the analyses. Survey questions and responses can be found in the relevant instrument in Appendix A. A prefix of *p* (not *p_*) indicates that a variable is from the principal survey, *fsm_* indicates a variable is from the foodservice manager survey, and *ACF_* or *sch*, respectively, indicates a variable is from the first or second parts of the initial contact survey.

For the sake of confidentiality, data for many continuous variables related to enrollment or participation were masked either by producing categorical variables from the original variables and/or by creating percentages from the original variables. These variables are noted in the annotated instruments and are also described here. Other constructed variabless have formats provided in the format file in Appendix E.

An important group of constructed variables requiring additional explanation are participation rates based on the initial contact survey:

schl_nslp_free ="NSLP participation rate for students approved for free meals"

schl_nslp_rdc="NSLP participation rate for students approved for reduced-price meals"

schl_nslp_full ="NSLP participation rate for students not approved for meal benefits"

schl_nslp_all ="NSLP participation rate for all students"

schl_sbp_free ="SBP participation rate for students approved for free meals"

schl_sbp_rdc=" SBP participation rate for students approved for reduced-price meals"

schl_sbp_full=" SBP participation rate for students not approved for meal benefits"

schl_sbp_all="SBP participation rate for all students"

ada_rate="Average Daily Attendance Rate"

Each of the above was calculated similarly, using the following formula:

*Participation Rate for meal-price status= (number of meals claimed per day for that status) /(number approved at that status) * average daily attendance rate*

ada_rate= average daily attendance divided by enrollment[1] ;

Number of meals (for either breakfast or lunch) claimed per day for each meal-price status=(Total claims per year for that status)/ (Number of meal service days per year)

Variables used to compute these rates came from the Initial Contact Form responses and cq9a (number of meal service days per year) from the preliminary survey fax-back form. Note that meal claims per year were collected for the 2003-2004 school year, while numbers of students attending, certified, and enrolled were collected as of October 1 of the 2004-2005 school

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[1] We used the assumption of average daily attendance rate= .927 if the data to construct this variable were missing. This assumption is used by FNS in the data tables published on its website.

year. Not surprisingly, the rates thus calculated are sometimes over 100 percent, because the various data elements used in the calculation cover slightly different time periods, or because of other reporting errors. These rates were not used in the SNDA-III reports, but are provided here because the underlying numbers need to be suppressed to preserve confidentiality.

The data from the Daily Meal Count Form were also converted to rates, which are defined as follows:

weekly_nslp_free = 'Average free lunch participation rate for target week'

weekly_nslp_rpc = 'Average reduced-price lunch participation rate for target week'

weekly_nslp_full = 'Average full-price lunch participation rate for target week'

weekly_nslp_all = 'Average lunch participation rate for target week'

weekly_sbp_free = 'Average free breakfast participation rate for target week'

weekly_sbp_rpc = 'Average reduced-price breakfast participation rate for target week'

weekly_sbp_full = 'Average full-price breakfast participation rate for target week'

weekly_sbp_all = 'Average breakfast participation rate for target week'

The Menu Survey target week generally included five days of menus, but sometimes was three or four days long because of school closings. Each of these variables was calculated similarly, using this general formula:

Weekly Participation Rate= (number of lunches/breakfasts served for meal-price status during target week/number of menu days in the week) / (number of students approved for meal-price status average daily attendance rate)*

mon_luf_rate= 'Monday NSLP participation rate for free lunch'
tue_luf_rate= 'Tuesday NSLP participation rate for free lunch'
wed_luf_rate= 'Wednesday NSLP participation rate for free lunch'
thu_luf_rate= 'Thursday NSLP participation rate for free lunch'
fri_luf_rate= 'Friday NSLP participation rate for free lunch'
mon_lurp_rate = 'Monday NSLP participation rate for reduced-price lunch'
tue_lurp_rate = 'Tuesday NSLP participation rate for reduced-price lunch'
wed_lurp_rate = 'Wednesday NSLP participation rate for reduced-price lunch'
thu_lurp_rate = 'Thursday NSLP participation rate for reduced-price lunch'
fri_lurp_rate = 'Friday NSLP participation rate for reduced-price lunch'
mon_lfp_rate = 'Monday NSLP participation rate for full-price lunch'
tue_lfp_rate = 'Tuesday NSLP participation rate for full-price lunch'

wed_lfp_rate = 'Wednesday NSLP participation rate for full-price lunch'
thu_lfp_rate = 'Thursday NSLP participation rate for full-price lunch'
fri_lfp_rate = 'Friday NSLP participation rate for full-price lunch'
mon_lall_rate = 'Monday NSLP overall participation rate '
tue_lall_rate = 'Tuesday NSLP overall participation rate '
wed_lall_rate = 'Wednesday NSLP overall participation rate '
thu_lall_rate = 'Thursday NSLP overall participation rate '
fri_lall_rate = 'Friday NSLP overall participation rate '
mon_buf_rate= 'Monday SBP participation rate for free breakfast'
tue_buf_rate= 'Tuesday SBP participation rate for free breakfast'
wed_buf_rate= 'Wednesday SBP participation rate for free breakfast'
thu_buf_rate= 'Thursday SBP participation rate for free breakfast'
fri_buf_rate= 'Friday SBP participation rate for free breakfast'
mon_burp_rate = 'Monday SBP participation rate for reduced-price breakfast'
tue_burp_rate = 'Tuesday SBP participation rate for reduced-price breakfast'
wed_burp_rate = 'Wednesday SBP participation rate for reduced-price breakfast'
thu_burp_rate = 'Thursday SBP participation rate for reduced-price breakfast'
fri_burp_rate = 'Friday SBP participation rate for reduced-price breakfast'
mon_bfp_rate = 'Monday SBP participation rate for full-price breakfast'
tue_bfp_rate = 'Tuesday SBP participation rate for full-price breakfast'
wed_bfp_rate = 'Wednesday SBP participation rate for full-price breakfast'
thu_bfp_rate = 'Thursday SBP participation rate for full-price breakfast'
fri_bfp_rate = 'Friday SBP participation rate for full-price breakfast'
mon_ball_rate = 'Monday SBP overall participation rate '
tue_ball_rate = 'Tuesday SBP overall participation rate '
wed_ball_rate = 'Wednesday SBP overall participation rate '
thu_ball_rate = 'Thursday SBP overall participation rate '
fri_ball_rate = 'Friday SBP overall participation rate '

Each of the above were calculated similarly, using the following formula:

Daily (Mon- Fri) Participation Rate = number of lunches/breakfasts served on that day for each meal-price status / (number approved * average daily attendance rate)

All of the data used in calculating these rates were for the 2004-2005 school year, but the enrollment data and the meal counts are likely to be from different sources and different times of the year and thus may not be fully consistent.

C. CONSTRUCTED VARIABLES USED TO ASSESS THE SCHOOL FOOD ENVIRONMENT

Version 2 of the The SNDA-III data set includes a number of variables that were used in describing schools' food environments and policies/practices (SFEPs).[2] These variables, supplemented with variables from the U.S. Department of Education Common Core of Data, were used to construct new variables that describe the general healthfulness of the school food environment for schools and students in the SNDA-III sample. Table III.1 lists the additional variables (and their data sources) that were used in the descriptive analysis of school food environments and policies (Finkelstein et al. 2008); these have been added to the public use file. These variables, in combination with information on the foods offered in school menus and the foods and beverages available à la carte and in vending machines, were used to create 17 binary variables (see Table III.2). These binary variables were then used to create a summary score from ranging from 0 to 17 for the school-level descriptive analysis.

For student-level analyses of the relationships among school food environment and practices and students' diet and obesity, MPR created subscores to reflect three conceptual domains characterizing the school food environment (nutrition policies and promotion activities, competitive food practices, and school menu characteristics) (see Table III.3). MPR also reviewed the content of the foods and beverages offered a la carte or in vending machines(collected through observer checklists).. We classified foods and beverages as low-nutrient, energy-dense (LNED) items if they were low in nutrients but high in energy or caloric density per unit volume or mass (Robert Wood Johnson Foundation 2008) or were defined as foods of minimal nutritional value by USDA school meal regulations (U.S. Congress 2004). This

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[2] These variables were created for projects funded by the Robert Wood Johnson Foundation and the USDA Economic Research Service.

TABLE III.1

SCHOOL AND DISTRICT (SFA) VARIABLES USED IN THE ANALYSIS OF SCHOOL FOOD ENVIRONMENTS AND POLICIES

Variable	Variable Name	Data Source[a]	Variable Type and Provisional Groupings for Categorical Variables[b]
School			
Enrollment	m_total	CCD 2004-05	Continuous: number of students
School type	school_type	SNDA-III	Categorical: elementary, middle, high school
Urbanicity	urba_s	SNDA-III	Categorical: three-category variable from SNDA-III (urban, suburban, rural)
Urbanicity	urban	CCD 2004-05	Categorical: three-category variable from 2004-05 CCD (urban, suburban, rural)
Percentage of students certified for free/reduced priced lunch	p_frl	CCD 2004-05[B]	Continuous: percentage of students certified for free/reduced price lunch
Percentage of students receiving free/reduced priced lunch	pct_free_rpc	SNDA-III	Continuous: percentage of students who received free/reduced price lunch
Racial/ethnic composition of student population	p_nonwh	CCD 2004-05[C]	Continuous: 4 variables—percentage of school population that is 1) white (non-Hispanic), 2) black non-Hispanic), 3) Hispanic, and 4) "other" (non-Hispanic)
Other			
Geographic Region (FNS)	region	SNDA-III	7 FNS regions: 1) Northeast, 2) Mid-Atlantic, 3) Southeast 4) Midwest, 5) Southwest, 6) Mountain-Plains, and 7) West

[a]There are two primary data sources for the school-level variables: 1) the National Center for Education Statistics' (NCES) Common Core of Data (CCD), which has data at the level of the district and the school for the 2004-05 school years, and 2) data collected through the SNDA- III SFA Contact Form.

[b]There were n=37 cases in which schools were missing data in the 2004-05 CCD on number of students eligible for free or reduced price lunch. For n=22 schools, these values were imputed based on CCD data for two previous years. For the remaining schools, this information was retrieved from local report cards submitted to the state department of education as a part of No Child Left Behind, or from the SNDA fax-back form.

[c]There were n=16 cases in which schools were missing information on race/ethnicity of student population in the 2004-05 CCD. This information was retrieved from the local report cards submitted to the state department of education as a part of No Child Left Behind.

TABLE III.2

SNDA-III VARIABLES USED TO ASSESS THE SCHOOL FOOD ENVIRONMENT AND
POLICIES (SFEPS) FOR SCHOOL-LEVEL ANALYSIS

Items used in Summary Score[a]	Environment/Policy Description Grouping for School-Level Statistics (Full Sample of Schools, N=395)	Variable Name
Policy Or Practice Of District Or School		
1	Has a nutrition or health advisory council	hlthcoun
2	Has a wellness policy addressing student nutrition and physical activity	wellness
3	Information available on the nutrient content of USDA-reimbursable meals	info2prnt
4	Has nutrition education in every grade	nutr_ed
5	*No* "pouring rights" contract	nopour
6	*No* foods offered from a national or regional brand-name or chain restaurants	nochainfd
7	Uses DOD's Fresh Fruit and Vegetable Program or state's Farm to School Program	purchase
8	Has nutrient requirements as part of its food purchasing specifications	nutreq
Competitive Food Practices		
9	*No* store or snack bar selling foods or beverages	nobarstore
10	*No* fundraising activities selling sweet or salty snacks	nosweetfund
11	*No* vending machines in the school	p_novend (principal)
12	Has vending machines, but *not* in food service area	vp_notfsa (principal)
School Lunch Offered		
13	High-fat milk (whole or 2%) *not* offered	lfmilk
14	Fresh fruit/raw veggies offered daily	freshfv
15	French fries *not* offered	nofries
16	Dessert *not* offered	nodessert
17	Average meal contains ≤30% of calories from fat	lowavgfat
	Summary Score (sum of (0,1) binary items 1-17 above)	SUMMARY_SCORE

[a]Finkelstein, D., E.L. Hill, and R.C. Whitaker. "School Food Environments and Policies in U.S. Public Schools." *Pediatrics,* vol. 122, no. 1, July 2008, pp. e251-e259.

TABLE III.3

SNDA-III SCHOOL-LEVEL VARIABLES USED IN SFEPS STUDENT-LEVEL ANALYSIS

Items In Papers[a,b]	Groupings For Student-Level Statistics (N=2,314 Students In 287 Schools)	Variable Name
Domain 1	**NUTRITION EDUCATION AND PROMOTION POLICIES AND PRACTICES** (general policies that may affect student intake in or outside of school)	**Domain score can be created by summing items 1+2+3+4 (maximum subscore = 4)**
1	Has a nutrition or health advisory council (note: dropped separate highly correlated variable as to whether parents were included; this is consistent w/ variable used in SNDA-III report and in Finkelstein et al. 2008); 2/3s of councils included parents) (1 point)	hlthcoun
2	Has a wellness policy addressing student nutrition and physical activity (1 point)	wellness
3	Information available on the nutrient content of USDA-reimbursable meals (1 point)	info2prnt
4	Has nutrition education in every grade (1 point)	nutr_ed
Domain 2	**Competitive Foods & Related School District Practices** (practices that may affect which foods are available/obtained at school and (mostly) consumed at school)	**Domain score can be created by summing items 5+6+7+8 + vending score + a la carte score) (maximum subscore = 8)**
5	*No* "pouring rights" contract (1 point)	nopour
6	*No* foods offered from a national or regional brand-name or chain restaurants (1 point)	nochainfd
7	*No* store or snack bar selling foods or beverages (1 point)	nobarstore
8	*No* fundraising activities selling sweet or salty snacks (1 point)	nosweetfund
9	*Vending score (0-2 points):* *No* vending machines in the school (2 points) Vending not in FSA and no LNED items (1.5 points) Vending in FSA but no LNED items (1 point) Vending not in FSA but some LNED items (0.5 points) Vending in FSA w/ LNED items (0 points)	c_novend (checklist) vc_notfsa (checklist) v_nolned (checklist) Above 3 variables used to create 'vendscore'
10	*A la carte score (0-2 points):* No a la carte (2 points) No LNED items in a la carte (1 point) A la carte with LNED items (0 points)	a_nolned (checklist) noalc_lfmilk Above 2 variables used to create 'alacarte_score'
Domain 3	**SCHOOL LUNCH CHARACTERISTICS & RELATED SCHOOL MEAL POLICIES** (policies that may affect student intake at school)	**Domain score can be created by summing items 11+12+ 13+14+15+16+17 (maximum subscore= 7)**
11	Uses DOD's Fresh Fruit and Vegetable Program or state's Farm to School Program (1 point)	purchase
12	Has nutrient requirements as part of its food purchasing specifications (1 point)	nutreq (at SFA level) Q14 on SFA
13	High-fat milk (whole or 2%) *not* offered (1 point)	lfmilk
14	Fresh fruit/raw veggies offered daily (1 point)	freshfv
15	French fries *not* offered (1 point)	nofries
16	Dessert *not* offered (1 point)	nodessert
17	Average meal contains ≤30% of calories from fat (1 point)	lowfatavg
	No open campus (for High Schools only)	open_campus

Note: LNED = low-nutrient, energy-dense.

[a]Briefel, R., M.K. Crepinsek, C. Cabili, A. Wilson, and P. Gleason. "School Food Environments and Practices Affect Dietary Behaviors of U.S. Public School Children." *Journal of the American Dietetic Association,* 2009:109:S91-S107.

[b]Fox, M.K., A.H. Dodd, A. Wilson, and P. Gleason. "Association Between School Food Environments and Practices and Body Mass Index of U.S. Public School Children." *Journal of the American Dietetic Association;* 2009:109:S108-S117.

coding was used to characterize the availability of a la carte or vended LNED food and beverage items (for constructed variables *vendscore* and *alacarte_score*). Sugar-sweetened beverages (e.g., soft drinks, fruit-flavored drinks, sports drinks) and the following solid food categories were considered to be LNED items: (1) higher-fat baked goods, including muffins and desserts such as cakes, cookies, and brownies; (2) dairy-based desserts (e.g., ice cream); (3) candy (all types) and sweetened gum; (4) french fries and similar potato products; and (5) higher-fat chips and other salty snacks (e.g., potato chips, corn chips). Other researchers may wish to use alternative coding or grouping systems to characterize the foods available in the school food environment.

IV. STUDENT-LEVEL DATA FILES

Two large data files on the student sample are provided. The first includes data from three instruments: the Child Interview, the Parent Interview, and the height-weight measurement form. The second file is a food-level file with foods reported in the 24-hour recalls with USDA's AMPM software, with appropriate food codes and nutrient data for each food, along with other key variables described below. Each file has the student, school, and SFA identifiers for each student. Each file includes data only for the 2,314 students with a completed dietary recall and a completed interview, and should be weighted using the *parfnlwt* variable.[1]

A. CHILD-PARENT DATA FILE

The child-parent data file (**public_chldprhw_v2.sas7bdat**) includes data from the Child and Parent Interviews and the height and weight measurements, as well as the final sampling weights and constructed variables used in the analyses. In addition, the file includes replicate weights and propensity-score weights used in analyses of usual nutrient intakes conducted with a software package known as PC-SIDE; the meaning of these variables and the code needed to use them are described in Appendix C. Survey questions and responses, and the associated variable names, can be found in the annotated instruments in Appendix A. The naming conventions are that *c_* indicates a variable from the child survey and *p_* indicates a variable from the parent survey. Variables without these prefixes are constructed.

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[1] 2,228 students had recall data, parent interviews, and height and weight data available. *Parfnlwt* should also be used for this sample.

1. Basic Constructed Variables

In general, constructed variables have been named and labeled so that their meaning is clear. Some constructed variables have formats, copies of which are included in Appendix E. Some of the constructed variables require additional explanation. These variables are:

Topreas_lun. Top reasons cited for eating school lunch.

```
 1 ="Hungry"
 2 ="It's free/prices are good"
 3 ="Parents want me to"
 4 ="Like the food (general)"
 5 ="Like today's/yesterday's meal"
 6 ="Easy/convenient to get"
 7 ="No one at home to make lunch"
 8 ="No time to make lunch"
 9 ="No other choice"
10 ="Friends eat school lunch"
11 ="Popular kids eat school lunch"
12 ="Other"
```

Food Security Variables. This version of the public use files includes both the household, adult, and child food security scales, as specified in 2008 guidance from the Economic Research Service (USDA ERS 2008). The variables are as follows:

Raw scores:
n_yes_hh --number of positive responses, household scale—from 0 to 18
n_yes_ad –number of positive responses, adult scale—from 0 to 10.
n_yes_ch—number of positive responses, child scale—from 0 to 8.

Fshh—household food security, categorical (corresponding raw scores in parentheses):
1   high food security (0)
2   marginal food security (1-2)
3   low food security (3-7)
4   very low food security (8-18)

Fsad—adult food security, categorical
1   high food security among adults (0)
2   marginal food security among adults (1-2)
3   low food security among adults (3-5)
4   very low food security among adults (6-10)

Fsch—child food security, categorical
1   high/marginal food security among children (0-1)
2   low food security among children (2-4)
3   very low food security among children

Indicator Variables:
marg_fshh—marginal household food security
marg_fsad—marginal adult food security
low_fshh—low household food security
low_fsad—low adult food security
low_fsch—low child food security
vlow_fshh—very low household food security
vlow_fsad—very low adult food security
vlow_fsch---very low child food security

Comflg. Indicates field observer's comments regarding height-weight measurement.

1 =Wearing heavy clothing
2 =Self-reported measures
3 =Weight exceeded scale limit of 308
4 =Wearing a cast
5 =Wearing shoes
6 =Pregnant
7 =Hairstyle adding to measured height
8 =Used non-standard equipment
9 =Self-reported measures, equipment malfunction
10= Self-reported measures, equipment not available

Anth_fl. Anthropometric data flag

0 =No indices flagged, measures plausible
1 =Missing weight or height
2 =Missing measure date
3 =Missing birthdate
4 =Missing sex
5 =Height Implausible
6 =Weight Implausible
7 =BMI Implausible

2. Control Variables Used in Multivariate Analyses of Participation and Dietary Intakes

Control variables used in multivariate analyses had missing data imputed. Because of the relatively low level of missing data and project constraints, the study used a fairly crude method of imputation for missing data (see Appendix C of Volume II). We provide the imputed versions of the variables used in the Volume II analyses so other researchers can replicate our results fairly closely. We do not intend this to be a recommendation of our imputation approach. All variables with missing values imputed have **_I** at the end of the variable name. Flag variables that indicate which observations were imputed have the prefix **IMP** .Volume II, Appendices C and E, provide information on the definitions of the variables and how they were used in the analysis.

Many of the control variables used in predicting student participation and dietary intakes are school-level variables. These variables are included in the student-level file, not the school-level file, because they were used only in the multivariate analyses and defined only for schools in which student data were collected. Most involve fairly obvious recodes of school-level menu and survey variables.

Variables indicating the availability of competitive foods used in the multivariate analyses are not exactly the same as those on the school-level files. Thus, we define them here, as follows:

I.   A la carte variables

    1. n_ac_bfast: Count of *detailed à la carte items* available at breakfast
       This is the count of all different items offered at breakfast from the a la carte checklist.

    2. n_ac_lunch: Count of *detailed a la carte items* available at lunch
       This is the count of all different items offered at lunch from the à la carte checklist.

    3. ac_hlthy: Indicator of whether *healthy items* were available à la carte at breakfast or lunch:
       = 1 if any of the healthy items listed below available at breakfast or lunch, according to à la carte checklist.

II. Other competitive foods variables *(Four schools have missing alternative foods checklists, and five have missing vending machine checklist; seven schools are missing one or the other).*

    1. n_comp1: Number of *competitive foods venues* in *meal area* (per student)

This is a count of the number of school stores, snack bars, food carts, and vending machines in or adjacent to food service area. Here are the steps:

- From the "other on-campus food sources checklist"—we created 4 dummies = 1 if venue located in or adjacent to food service area for school store, snack bar, food cart, and other. We summed these to obtain the number of non-vending-machine venues in the meal area (n_alt1) (min= 0, max = 4). *Set n_alt1 = 0 if ofs_yes = 0 (no alternative foods available).*

- From the vending machine checklist—we summed the number of vending machines in or adjacent to food service area (n_vend1). *Set n_vend1 = 0 if vm_yes = 0 (no vending machines).*

- These two numbers were summed to get the total count of competitive food venues in meal area (n_comp1).

2. n_comp2: Number of *competitive foods venues* outside *meal area* (per student)

   Defined analogously to above, but count of venues located "elsewhere in school building" or "outside school building."

3. comp_hlthy: Indicator for whether *healthy items* available in *competitive foods venues*
   = 1 if any of the healthy items listed below are reported in either the vending machine checklist or the "other food source" checklist.

4. comp_mealtm: Indicator for whether competitive foods sold during mealtimes
   = 1 if vending machines available before school or during lunch (p23b_2=1 or p23b_4=1 or p_23d_2 =1 or p_23d_4 =1 from principal survey) (vend_mealtm) or any of school store, snack bar, food cart, or "other" available during breakfast or during lunch (alt_mealtm) (from "other food sources" checklist).

The italicized words and phrases are defined as follows:

- *Detailed a la carte items* are the detailed categories on the à la carte checklist (eg. "cookies," "cookies, low-fat," "pastries (pies, turnovers)," etc.

- *Healthy items* are defined as

  o Water (including spring water, flavored water, mineral water, seltzer water, water with juices, sparkling water with juices)
  o Milk (low fat and fat free)
  o Vegetables (excluding fried potatoes, vegetable soup, and entrée salads)
  o Fruits (including canned, cooked, fresh, fruit salad, and dried) (but not in desserts)

- *Competitive foods venues* include school store, snack bar, snack cart, vending machines, and other. We weight each type of venue equally, but each vending machine is considered a separate venue (e.g., two vending machines plus one school store equals three venues).

   Meal area means in or adjacent to food service area.

B. 24-HOUR RECALL DATA FILE

The student 24-hour dietary recall file (**public_recall_v2.sas7bdat**) contains 24-hour dietary recalls for 2,314 students. This file contains 2,314 Day 1 recalls. Of the 2,314 students with Day 1 recalls, 666 also completed Day 2 recalls, and these are also included in the file (with a flag to distinguish Day 1 from Day 2). Each student is represented by multiple records, each of which

represents a food item consumed by the student. The variables associated with each observation were largely obtained from the AMPM software for 24-hour recall data collection, as coded using Survey Net. However, we added some new values for Survey Net variables and also some constructed variables, which are described in Section 1. Section 2 describes the MyPyramid food group coding, which added, for most foods in the recall data, the number of MyPyramid serving equivalents for 32 food groups and subgroups.

1.   Constructed Variables Added to the Recall Data File

Most constructed variables are described by their labels or by the labels and the formats provided in Appendix E. Variables requiring further information are:

WHROBT. This variable describes the source of the food. The values are as follows:

```
 1 = HOME
 2 = RESTAURANT W/ WAITER/WAITRESS SERVICE
 3 = RESTAURANT FAST FOOD/PIZZA
 5 = RESTAURANT NO ADDITIONAL INFO
 6 = CAFETERIA NOT AT SCHOOL
14 = VENDING MACHINE
21 = PRE-SCHOOL OR AFTERSCHOOL CHILD CARE
30 = SCHOOL VENDING MACHINE, LOCATION NOT SPECIFIED
31 = SCHOOL VENDING MACHINE, IN CAFETERIA
32 = SCHOOL VENDING MACHINE, WITHIN 20 FT OF, BUT NOT IN, CAFETERIA
33 = SCHOOL VENDING MACHINE, OTHER LOCATION
34 = SCHOOL REIMBURSABLE FOOD SOURCE
35 = SCHOOL STORE, NOT REIMBURSABLE
36 = SCHOOL SNACK BAR, NOT REIMBURSABLE
37 = SCHOOL A LA CARTE ONLY, NOT REIMBURSABLE
38 = SCHOOL, OTHER NON-REIMBURSABLE SOURCE (INCLUDING
         FUNDRAISERS, CLASS PARTIES, REWARDS FROM TEACHERS OR COACHES)
46 = SCHOOL/OTHER
47 = CHURCH
48 = FRIEND/CLASSMATE (NOT ENTIRE CLASS)/NEIGHBOR
49 = RELATIVE
50 = SPORTING EVENT/ACTIVITY
51 = RECREATION (NOT SPORT), DANCE, THEATRE, MOVIE, PARTY (EXCEPT
         CLASSROOM PARTIES)
52 = ICE CREAM TRUCK
54 = YMCA/BOYS&GIRLS/COMM SITES
60 = STORE
```

91 = OTHER
99 = DON'T KNOW

ON MENU. All foods with WHROBT values of 34-45 have a value of 0, 1, 2, or .N for this variable, defined as follows:

1 = The reported food was (a) included in the menu reported for the day of the recall, the day before, or the day after or (b) in situations where recall and menu dates did not overlap, the reported food was offered two or more times in the menus that were reported or there was evidence of a comparable meal (e.g., cold cereals offered every day; waffles with bacon or French toast sticks offered during the week for which menus were available).

2 = The reported food was not included in the reference menus (as above), but something similar was offered. For example, a breakfast sandwich was offered, but the child reported an egg and sausage sandwich and the menu reported an egg and bacon sandwich. Or, for components of multi-component foods, one component of the food was found to be on the menu, but there was no evidence that the reported food was on the menu (e.g., a child reported a bagel with peanut butter; the bagel was found (coded as '1'), but the peanut butter was not (coded as '2').

0 = Neither the reported food nor anything comparable was included in the reference menus. This includes all foods reported in recalls for which no menu data were available.

.N = A match with the reference menus was not attempted for the reported food (applied, for example, to some condiments, toppings, and bottled waters).

Competitive Foods. Eight values for the WHROBT variable were used to identify foods that were definitely from a competitive food source—WHROBT values of 30 to 33 identify competitive foods obtained from vending machines and WHROBT values of 35 to 38 identify competitive foods obtained from other non-reimbursable sources, including school stores, snack bars, points of sale that were a la carte only, and fundraisers (see above list).

In later work, Fox et al. (2009) defined competitive foods more broadly to include also foods that were served in "mixed" a la carte and reimbursable lines, but were considered unlikely to be part of the reimbursable meal. QCOMP is the indicator for this type of "likely" competitive

food. (The paper by Fox et al. (2009) describes the categories of foods so coded.[2]) Fox et al.

treated a food as "competitive" if QCOMP=1 or if WHROBT = 30-33 or 35-38.

DATEFLAG: This variable provides information on the degree of overlap between the date of the recall and the dates of the available menus.

> 1 = recall date = menu date +/- 1 day.[3]
> 2 = recall date ≠ menu date +/- 1 day.
> 0 = no menus available for this school.

R_MEALCODE: (Meal component codes). These codes correspond to the meal component codes used in the unweighted menu analysis. There are 10 different codes, the first five of which correspond to the meal components used in food-based menu planning:

- M = Milk
- MA = Meat/meat alternates
- FV = Fruit, 100% juice, vegetables
- B = Bread/bread alternates
- E = Entree (combination of B and MA)
- D = Dessert (not counted toward defining reimbursable meal, but can be part of reimbursable meal)
- O = Other (extras not counted toward defining reimbursable meal, but can be part of reimbursable meal)
- T = Toppings
- C = Condiments
- S = Salad dressings

MULTICOMP: (Multi-component codes). This variable was created for all foods that were coded as entrees (E). These foods may include more than one meal component. The following codes were used to provide more information about the meal components provided in these multi-component foods:

---

[2] The variable PCT_REIMBUSABLE indicates the obesrver's estimate of the proportion of foods from a "mixed" line that are part of a reimbursable food. This variable was used along with the specific foodcode to code QCOMP.

[3] Mondays vs. Fridays were counted as falling within the +/- 1 day window.

MA = Meat/meat alternate

B = Bread/bread alternate

MAB = Meat/meat alternate and bread/bread alternate

MAFV = Meat/meat alternate and fruit/vegetable

MABFV = Meat/meat alternate, bread/bread alternate, and fruit/vegetable

MABQFV = Meat/meat alternate, bread/bread alternate, and *possible* fruit/vegetable

MAOFV = Meat/meat alternate OR fruit/vegetable

AGGR: This variable provides information on multi-component foods—foods that were reported and coded component-by-component and later linked together to form one item in the database. For example a cheeseburger may have been reported and coded as a hamburger patty, a slice of cheese, and a bun. The nutrients for each of these components were subsequently combined and the food was assigned a new food code and description to represent the aggregated version of the food. New food codes are based on the USDA food coding scheme and may not be complete 8-digit codes.

    1 = aggregated food
    0 = food not aggregated
    . = not a multi-component food; aggregation not attempted

R_MGEQUIVAL: (Meat/grain serving equivalents). This variable, created for all foods with meal components of B, MA, or E, indicates how many of the two meat/grain equivalents required in a food-based reimbursable breakfast (see below) is supplied by the food. All foods have a value of 1 (provides 1 meat/grain equivalent) or 2 (provides 2 or more meat/grain equivalents). Note that these assignments are based on foods *as offered*, rather than the amount students reportedly consumed. Recall foods that were directly linked to menu foods received the corresponding value for MGEQUIVAL. Foods that were not directly linked were manually coded, following the protocols developed for assigning meat/grain equivalents to menus. For foods that could have received a 1 or a 2 (based on gm weight of item *offered*, which was not available), equivalents were assigned based on the mode observed in the menu data (e.g., most biscuits provided 2 meat/grain equivalents). [NOTE: This variable should not be confused with the MyPyramid equivalents variables discussed below. It is defined in terms of the breakfast *traditional food-based meal pattern*.]

R_SIDE: This variable is used in schools with nutrient-based menu planning (NSMP or ANSMP) to flag foods that need to be considered sides (see below):
    1 = count as a side
    0 = do not count as a side

For additional information on data collection and coding procedures for the dietary recalls, see Volume III of the technical report.

2. MyPyramid Food Group Equivalents

Each food included in the 24-hour dietary recall file was linked to the MyPyramid Equivalents Database, 1.0 for USDA Survey Food Codes (MPED), developed by USDA's Agricultural Research Service (ARS). The MPED provides data on the number of equivalents (cups, ounces, grams, teaspoons) in a food for 32 MyPyramid food groups and subgroups (Table IV.1). We also linked foods to the CNPP 01-02 Fruit Database. This database includes values for whole fruit and fruit juice for all MPED foods that include any amount of fruit or juice.[4]

TABLE IV. 1

MYPYRAMID EQUIVALENTS DATABASE 1.0 MAJOR FOOD GROUPS AND SUBGROUPS

Total grain (oz. equivalents)	Meat, poultry, fish (oz. equivalents)
Whole grain	Meat (beef, pork, lamb, game)
Non-whole grain/refined grain	Organ meat
Total vegetables (cup equivalents)	Frankfurters, sausages, luncheon meats
Dark-green vegetables	Poultry
Orange vegetables	Fish and shellfish high in omega-3 fatty acids
White potatoes	Fish and shellfish low in omega-3 fatty acids
Other starchy vegetables	Eggs (oz. equivalents)
Tomatoes	Cooked dry beans and peas (oz. equivalents)
Other vegetables	Soybean products (tofu, meat analogs) (oz. equivalents)
Total fruits (cup equivalents)	Nuts and seeds (oz. equivalents)
Citrus fruits, melons, and berries	Discretionary oil (grams)
Other fruits	Discretionary solid fat (grams)
Whole fruit[a]	Added sugars (teaspoon equivalents)
Fruit juice[a]	Alcohol (drinks)
Total milk (cup equivalents)	
Milk	
Yogurt	
Cheese	

[a]From CNPP 01-02 Fruit Database.

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[4] Detailed documentation on these databases is available at:
http://www.ars.usda.gov/Services/docs.htm?docid=17562
http://www.cnpp.usda.gov/HealthyEatingIndex-2005report.htm

Of the 3,021 unique food codes reported in the SNDA-III dietary recall data, 2,086 foods were linked to the MPED and the CNPP Fruit Database through a common USDA food code. The remaining 935 foods included modified recipes; commercially prepared food products that are marketed specifically to school foodservice programs and often modified to be lower in fat, saturated fat, and/or sodium than their traditional counterparts; and multi-component foods, such as sandwiches and salads that were originally reported by students component by component and subsequently aggregated to form one food record. Different processes were used to obtain MPED and whole fruit/juice values for each of these categories of foods, as described below.

a. **Modified Recipes**

Modified recipes are existing database recipes that were modified during coding to reflect actual food preparation practices, such as the type of fat or milk used (see Volume III for additional details on modified recipes). To account for modifications made to ingredients within recipes, ingredient-level recipe files were used to link individual ingredients to the MPED (e.g., sandwiches and salads). For more complex recipes, it was not feasible to use this method for obtaining equivalents, especially for recipes that had raw or dry ingredients not available in the MPED and for recipes with moisture and/or fat changes. These recipes were linked to the closest modified recipe available in the MPED. If the exact recipe modification did not exist in the MPED, equivalent values were ratio adjusted using a comparison of nutrients in the modified recipe and its closest match in the MPED. Because differences in nutrient content can be attributed to more than one ingredient, assumptions were made and not all MPEs were adjusted. Depending on the type of food and the type of modification(s) made to a recipe (i.e., changes to the type and/or amount of an ingredient), MyPyramid equivalent values were adjusted for discretionary oil and discretionary solid fat; total milk, milk, and cheese; total grain, whole grain, and non-whole/refined grain; added sugar; and type of meat (for example, spaghetti sauce made

with ground turkey instead of ground beef). MyPyramid equivalent values for fruits, vegetables, legumes, soybean products, nuts and seeds were not adjusted.

Table IV.2 provides an example of how MyPyramid equivalents were adjusted for a pepperoni pizza recipe that was prepared by a school using all-beef crumbles. The top panel shows the nutrient content of the modified recipe for the pepperoni pizza (6-digit food code) and its closest match in the MPED (8-digit food code). The bottom panel shows the ratio-adjusted MyPyramid equivalent values for the modified recipe (adjusted values shaded) and the actual equivalents for the closest match food. Equivalents for discretionary oil and discretionary solid fat were adjusted as follows:

> *Discretionary oil:*
> (modified recipe polyunsaturated + monounsaturated) * [original discretionary oil/ (original polyunsaturated + monounsaturated)]

> *Discretionary solid fat:*
> (modified recipe total fat) * (original discretionary solid fat/original total fat)

> Equivalents for *meat, poultry, and fish*; *meat*; and *franks, sausages, luncheon meats* were adjusted based on the type of meat in the modified recipe (original recipe included beef, pepperoni and sausage; modified recipe was all-beef crumbles).

b. Commercially Prepared School Food Products

Commercially prepared food products are foods marketed specifically to school foodservice programs. They are often modified to be lower in fat, saturated fat, and/or sodium than their traditional counterparts. Nutrient information for 100 school foods was provided by ARS and also used to impute nutrient values for similar school foods (see Volume III for additional details on school foods). For most school foods, ingredient-level recipes provided by ARS were used to link individual ingredients to the MPED. Moisture and/or fat changes were accounted for, but it was not feasible to use this method for a small number of foods that had raw or dry ingredients not available in the MPED. School foods that could not be linked at the ingredient level were

TABLE IV.2

EXAMPLE OF RATIO ADJUSTMENTS MADE TO MYPYRAMID EQUIVALENTS

Food Item	Description	Nutrient Content per 100 Grams					
		Energy (kcals)	Total Fat (g)	Saturated Fat (g)	Poly-unsaturated Fat (g)	Mono-unsaturated Fat (g)	Protein (g)
Modified recipe (food code: 201354)	Pizza with meat, thick crust, W/ALL BEEF CRUMBLES	286	10.0	3.8	1.3	4.2	10.9
Closest match in MPED (food code: 58106530)	Pizza with meat, thick crust	307	12.9	4.9	1.6	5.7	11.4

Food Code	Description	MyPyramid Equivalents per 100 Grams					
		Discretionary Oil	Discretionary Solid Fat	Total Meat, Poultry, Fish	Meat	Franks, Sausages, Luncheon Meats	Total Grain
Modified recipe (food code: 201354)	Pizza with meat, thick crust, W/ ALL BEEF CRUMBLES	0.534	8.70	0.199	0.199	0.000	2.64
Closest match in MPED (food code: 58106530)	Pizza with meat, thick crust	0.693	11.233	0.199	0.035	0.164	2.64

linked to the closest match food in the MPED, and selected MyPyramid equivalents were ratio adjusted to better represent the actual content of the commercially prepared school food, using the method described above.

c.   Multi-component Foods

A multi-component food is an item that includes several components or ingredients, such as a sandwich or salad, each of which was reported and coded separately (bread, peanut butter, jelly) and linked together. The components were subsequently aggregated to form one food record. In order to obtain MyPyramid equivalents for multi-component foods, the original disaggregated data was used to link each component to the MPED. Components within aggregated foods included items that linked directly to the MPED, as well as modified recipes and commercially prepared school food products that required additional data steps, as described previously.

Work on obtaining MyPyramid Equivalents was funded through grants from the USDA Economic Research Service, Food Assistance and Nutrition Research Program, and from the Robert Wood Johnson Foundation, Healthy Eating Research Program.

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APPENDIX A

ANNOTATED DATA COLLECTION INSTRUMENTS

ID#: |__|__|__|__|__|__|__|__|

SFA: _____

City and State: _____
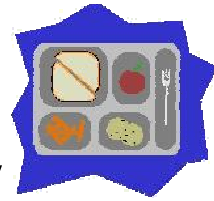
School Nutrition Dietary Assessment Study

School Food Authority Survey

PLEASE RETURN BY (DATE)

Elementary School: _____

Middle School: _____

High School: _____

Sponsored by:

U.S. Department of Agriculture
Food and Nutrition Service

INSTRUCTIONS

- This survey is divided into two sections, all of which should be completed by the SFA director.

- When completing the survey, please use a black or blue pen, and write only in the spaces provided.

- Please answer all of the questions, except for those that are not applicable, as indicated by the skip patterns.

- Unless questions specifically indicate that more than one answer may be given, please mark only one answer per question.

- If you have any questions regarding the study or completing the SFA survey, please do not hesitate to get in touch with Rhoda Cohen at 1-800-232-8024 or email: rcohen@mathematica-mpr.com

The information you provide will be used only for statistical purposes. In accordance with the Confidential Information Protection and Statistical Efficiency Act of 2002, your responses will not be disclosed in identifiable form without your consent.

Participation is completely voluntary. Choosing not to participate will not affect your employment or your district's participation in school food programs in any way.

We thank you for your cooperation and participation in this very important study.

FOR ASSISTANCE CALL TOLL FREE: 1-800-232-8024

MENU PLANNING AND COMPUTER SYSTEMS

1.	Does your district use a computerized system for . . .

	MARK ALL THAT APPLY

	1	☐	Nutrient analysis of menus ? | Q1_1 |
	2	☐	Point Of Sale payment/meal counts ? | Q1_2 |
	3	☐	Processing applications for free/reduced price (F/RP) meals | Q1_3 |
	4	☐	Food inventory | Q1_4 |
	0	☐	None of the above ➔ *Go to Q.2* | Q1_0 |

1a.	Which software system do you use? (read list)

MARK ONE RESPONSE FOR EACH FUNCTION

	Nutrient Analysis	POS	F/RP Applications	Food Inventory
	MARK ONLY ONE	MARK ONLY ONE	MARK ONLY ONE	MARK ONLY ONE
Bon Appetit...	Q1a_1na ₁ ☐	Q1a_1p ₂ ☐	Q1a_1fr ₃ ☐	Q1a_1fi ₄ ☐
B.O.S.S. (Back Office Software Solutions)........	Q1a_2na ₁ ☐	Q1a_2p ₂ ☐	Q1a_2fr ₃ ☐	Q1a_2fi ₄ ☐
CAFS (Computer Assisted Food Service).........	Q1a_3na ₁ ☐	Q1a_3p ₂ ☐	Q1a_3fr ₃ ☐	Q1a_3fi ₄ ☐
CAFÉ Terminal..	Q1a_4na ₁ ☐	Q1a_4p ₂ ☐	Q1a_4fr ₃ ☐	Q1a_4fi ₄ ☐
Keeping TRAC	Q1a_5na ₁ ☐	Q1a_5p ₂ ☐	Q1a_5fr ₃ ☐	Q1a_15fi ₄ ☐
KYRUS (formerly AccuSERIES)	Q1a_6na ₁ ☐	Q1a_6p ₂ ☐	Q1a_6fr ₃ ☐	Q1a_6fi ₄ ☐
NutriKids	Q1a_7na ₁ ☐	Q1a_7p ₂ ☐	Q1a_7fr ₃ ☐	Q1a_7fi ₄ ☐
PCS Revenue Control Systems	Q1a_8na ₁ ☐	Q1a_8p ₂ ☐	Q1a_8fr ₃ ☐	Q1a_8fi ₄ ☐
NutriMenu 2000...	Q1a_9na ₁ ☐	Q1a_9p ₂ ☐	Q1a_9fr ₃ ☐	Q1a_9fi ₄ ☐
Visual B.O.S.S.	Q1a_10na ₁ ☐	Q1a_10p ₂ ☐	Q1a_10fr ₃ ☐	Q1a_10fi ₄ ☐
WinSNAP/WebSMARTT	Q1a_11na ₁ ☐	Q1a_11p ₂ ☐	Q1a_11fr ₃ ☐	Q1a_11fi ₄ ☐
Custom-developed system...............................	Q1a_12na ₁ ☐	Q1a_12p ₂ ☐	Q1a_12fr ₃ ☐	Q1a_12fi ₄ ☐
Other *(Specify)* ....| Q1a_13ot |..........................	Q1a_13na ₁ ☐	Q1a_13p ₂ ☐	Q1a_13fr ₃ ☐	Q1a_13fi ₄ ☐
No software for this function.............................	Q1a_14na ₁ ☐	Q1a_14p ₂ ☐	Q1a_14fr ₃ ☐	Q1a_14fi ₄ ☐

Accu Scan Meal Tracker………..	Q1a_15na	Q1a_15p	Q1a_15fr	Q1a__15fi
Other Commercial POS……….....	Q1a_16na	Q1a_16p	Q1a_16fr	Q1a__16fi

1b. When you do a nutrient analysis, is it weighted, unweighted or both? (Weighted analysis takes into account how often the item is served).

- 1 ☐ Weighted | Q1b |
- 2 ☐ Unweighted
- 3 ☐ Both
- 4 ☐ Don't do nutrient analysis ➔ *Go to Q.2*

1c. Do you complete separate analyses for breakfast and lunch or do you do a combined analysis ?

MARK ONLY ONE | Q1c |

- 1 ☐ Separate
- 2 ☐ Combined
- 3 ☐ Only analyze breakfast
- 4 ☐ Only analyze lunch
- 5 ☐ Don't offer breakfast

2. What qualifications does your district's menu planner have?

MARK ALL THAT APPLY

- | Q2_1 | 1 ☐ Associates degree in consumer science, hotel/restaurant management, baking/ culinary arts, etc.
- | Q2_2 | 2 ☐ Bachelor's degree in consumer science, hotel/restaurant management, culinary arts, etc.
- | Q2_3 | 3 ☐ Licensed nutritionist
- | Q2_4 | 4 ☐ Master's level nutritionist
- | Q2_5 | 5 ☐ On the job training
- | Q2_6 | 6 ☐ Registered dietician
- | Q2_7 | 7 ☐ School Food Service and Nutrition Specialist (ASFSA certified)
- | Q2_8 | 8 ☐ State food service certificate
- | Q2_0 | 0 ☐ None of the above

3. Are all menus planned at the district level?

- | Q3 | 1 ☐ Yes ➔ *Go to Q.4*
- 0 ☐ No

3a. Which types of schools plan their own menus?

MARK ALL THAT APPLY

- | Q3a_1 | 1 ☐ Elementary schools
- | Q3a_2 | 2 ☐ Middle schools
- | Q3a_3 | 3 ☐ High schools
- | Q3a_4 | 4 ☐ Is there another school? *(Specify)*

_____

| Q3a_4ot   (Specified Other) |

4. I'll read a list of USDA tools, please tell me which ones you use

MARK ALL THAT APPLY

- | Q4_1 | 1 ☐ Assisted NuMenus Guidance: School Lunch and Breakfast Menus
- | Q4_2 | 2 ☐ Changing the Scene: Improving the School Nutrition Environment
- | Q4_3 | 3 ☐ Choice Plus: A Reference Guide for Foods and Ingredients
- | Q4_4 | 4 ☐ Community Nutrition Action Kit
- | Q4_5 | 5 ☐ Cooking a World of Tastes (videos)
- | Q4_6 | 6 ☐ Fight Back Managers Self-Inspection Checklist
- | Q4_7 | 7 ☐ First Choice (second edition)
- | Q4_8 | 8 ☐ Food Buying Guide for CN Programs
- | Q4_9 | 9 ☐ Fruits and Vegetables Galore
- | Q4_10 | 10 ☐ Healthy School Meals Training Program
- | Q4_11 | 11 ☐ Menu Planner for Healthy School Meals
- | Q4_12 | 12 ☐ New School Lunch And Breakfast Recipes/ Tool Kit for Healthy School Meals
- | Q4_13 | 13 ☐ Nutrient Analysis Protocols: How to Analyze Menus for USDA's School Meals Programs
- | Q4_14 | 14 ☐ Quantity Recipes for School Food Service
- | Q4_15 | 15 ☐ Serving It Safe: A Tool Kit (second edition)
- | Q4_16 | 16 ☐ Serving It Safe: A Tool Kit for Managers
- | Q4_17 | 17 ☐ Serving It Safe Training Video
- | Q4_18 | 18 ☐ Team Nutrition Guide to Purchasing Food Service Equipment
- | Q4_19 | 19 ☐ Other *(Specify)*

_____

- | Q4_0 | 0 ☐ None of the above

4a. Are any food purchasing transactions in your food service area done via PIN numbers or electronic debit cards?

Q4a ₁ ☐ Yes-All

₂ ☐ Yes, in part → What % of transactions?

☐☐ PERCENT OF TRANSACTIONS

₀ ☐ No

FOOD PURCHASING

5. Do any of the schools in your district offer foods from national or regional brand-name or chain restaurants, such as McDonald's, Burger King, Taco Bell, Pizza Hut, Domino's, or Subway?

Q5 ₁ ☐ Yes

₀ ☐ No → *Go to Q.6*

5a. Please list the brand-name or chain restaurant firms that you purchase from and the specific items that you offer. Alternatively, you may fax me a list of vendors and items.

Vendor Name ☐ List attached	Items Offered ☐ List attached	
Q5a_1vn Q5a_2vn Q5a_3vn	Q5a_1_1i Q5a_1_2i Q5a_2_1i Q5a_2_2i Q5a_3_1i Q5a_3_2i	Q5a_1_3i Q5a_1_4i Q5a_2_3i Q5a_2_4i Q5a_3_3i Q5a_3_4i

5b. Are these items eligible for inclusion in reimbursable meals offered?

Q5b ₁ ☐ Yes

₀ ☐ No

5c. Which level of schools offer these items?

MARK ALL THAT APPLY

Q5c_1 ₁ ☐ Elementary schools

Q5c_2 ₂ ☐ Middle schools

Q5c_3 ₃ ☐ High schools

Q5c_4 ₄ ☐ Other *(Specify)*

_____

6. Is your school district or are any schools in your district engaged in a "pouring rights" contract (that is, a long-term contract with a beverage company that establishes the company as a sole source vendor for beverages in the district or in the school)? Count both foodservice and other machines.

MARK ONE ANSWER

Q6 ₁ ☐ Yes, district-wide

₂ ☐ Yes, some schools

₀ ☐ No → *Go to Q.7*

6a. Does the beverage contract limit the types or brands of beverages that can be sold in school food service areas?

Q6a ₁ ☐ Yes

₀ ☐ No

6b. Where does the income from the contract go?

MARK ALL THAT APPLY

Q6b_1 ₁ ☐ School food service account

Q6b_2 ₂ ☐ Individual school funds

Q6b_3 ₃ ☐ Athletic department

Q6b_4 ₄ ☐ District fund

Q6b_5 ₅ ☐ Other *(Specify)*

Q6b_ot

_____

d ☐ Don't know

6c. In the past two years, have you observed . . .

	Yes	No
a. An increase in the number of vending machines in schools? ... Q6c_a	1 ☐	0 ☐
b. Vending machines installed in schools where they had not previously been? .... Q6c_b	1 ☐	0 ☐

IF NO, *Go to 6e* ⟵
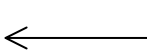
6d. Where were the new machines installed?

MARK ALL THAT APPLY

Q6d_1 0 ☐ No new machines installed

Q6d_2 1 ☐ Elementary schools

Q6d_3 2 ☐ Middle schools

Q6d_4 3 ☐ High schools

Q6d_4ot 4 ☐ Other *(Specify)*

_____

6e. In the past two years, has there been an increase in the number of other in-school sites selling beverages; such as snack bars, school stores, or concession stands?

Q6e 1 ☐ Yes

0 ☐ No ➞ *Go to Q.7*

6f. Where were these beverage selling sites added?

MARK ALL THAT APPLY

Q6f_1 1 ☐ Elementary schools

Q6f_2 2 ☐ Middle schools

Q6f_3 3 ☐ High schools

Q6f_4 4 ☐ Other *(Specify)*

Q6f_4ot _____

7. Other than the USDA ban on selling soft drinks during meals, has your school district, or any school in your district, imposed a ban or restriction on the **types** of soda, soft drinks, or sweetened fruit beverages (less than 100% juice) that may be sold to students in schools or on school grounds (including vending machines)?

MARK ONE ANSWER

Q7 1 ☐ District ban/restriction

2 ☐ School-level ban/restriction

0 ☐ No district or school ban/restriction

3 ☐ Never offered soda, soft drinks or sweetened fruit beverages ➞ *Go to Q.7b*

7a. Other than USDA restrictions, has your school district, or any school in your district, set restrictions on the **time** of day when students may purchase soda, soft drinks, or sweetened fruit beverages (less than 100% juice) in schools or on school grounds (including vending machines)?

MARK ONE ANSWER

Q7a 1 ☐ District-wide/limit on time of day

2 ☐ School level/limit on time of day

0 ☐ No district or school/limit on time of day

7b. Other than USDA restrictions, has your school district, or any school in your district, restricted the **types** of food or snack items sold to students in schools or on school grounds (including school stores and vending machines).

MARK ONE ANSWER

Q7b 1 ☐ District-wide/restriction

2 ☐ School level/restriction

0 ☐ No district or school/restriction

8. Does your district participate in a purchasing cooperative?

Q8 1 ☐ Yes

0 ☐ No ➞ *Go to Q.9*

8a. Does the use of a purchasing cooperative limit, expand, or have no effect on your ability to purchase the food items you want?

MARK ONE ANSWER

Q8a   1 ☐ Limit

   2 ☐ Expand

   3 ☐ No effect

8b. How has the use of a purchasing cooperative affected your district's total food costs?

MARK ONE ANSWER

Q8b   1 ☐ Increased total food costs

   2 ☐ Decreased total food costs

   3 ☐ No impact on total food costs

   d ☐ Don't know

9. Does your district have guidelines on purchasing locally grown foods?

Q9   1 ☐ Yes, state guidelines

   2 ☐ Yes, local guidelines

   0 ☐ No → *Go to Q.10a*

9a. Are there written guidelines?

Q9a   1 ☐ Yes

   0 ☐ No → *Go to Q.10a*

9b. Please FAX a copy of the guidelines for purchase of locally grown foods (or briefly describe them).

Q9b   1 ☐ Will fax guidelines

_____

_____

_____

Q9b_1a = "Does not purchase locally grown foods"

10a. Does your district have guidelines about purchasing fresh produce, other than locally grown foods?

Q10a   1 ☐ Yes, state guidelines

   2 ☐ Yes, local guidelines

   0 ☐ No → *Go to Q.11*

10b. Are there written guidelines?

Q10b   1 ☐ Yes

   0 ☐ No → *Go to Q.11*

10c. Please FAX the guidelines related to fresh produce (or briefly describe them).

Q10c   1 ☐ Will fax guidelines

_____

_____

_____

_____

11. Does your district purchase foods through the Department of Defense "DoD Fresh" program?

Q11   1 ☐ Yes

   0 ☐ No

12. Does your district purchase foods through the "State Farm to School" program?

Q12   1 ☐ Yes

   0 ☐ No

13. Does your district include nutrient requirements in purchasing specifications for any foods?

Q13   1 ☐ Yes

   0 ☐ No → *Go to Q.14*

13a. Do the purchasing specifications for ANY foods, include requirements for/restrictions on . . .

TELL ME YES / NO AS I READ THEM:

	Yes	No
Calories.. Q13a_1	1 ☐	0 ☐
Protein .... Q13a_2	1 ☐	0 ☐
Vitamin A .... Q13a_3	1 ☐	0 ☐
Vitamin C .... Q13a_4	1 ☐	0 ☐
Calcium... Q13a_5	1 ☐	0 ☐
Iron .... Q13a_6	1 ☐	0 ☐
Fat .... Q13a_7	1 ☐	0 ☐
Saturated Fat................................. Q13a_8	1 ☐	0 ☐
Cholesterol..................................... Q13a_9	1 ☐	0 ☐
Sodium.. Q13a_10	1 ☐	0 ☐
Sugar .... Q13a_11	1 ☐	0 ☐
Portion or serving size .... Q13a_12	1 ☐	0 ☐
Other *(Specify)* .... Q13a_13	1 ☐	0 ☐
Q13a_13ot		

14. Does your district require child nutrition (CN) or other nutrient labels on some or all purchased foods?

Q14   1 ☐ Yes

  0 ☐ No → *Go to Q.16a*

15. Does your district require CN or other nutrient labels for . . .

MARK ALL THAT APPLY

Q15_1   1 ☐ Pre-prepared breakfast food?

Q15_2   2 ☐ Pre-prepared lunch foods?

Q15_3   3 ☐ Other foods *(Specify)*

Q15_3ot

16a. Does your district have any other guidelines that affect the types of food that you purchase?

Q16a   1 ☐ Yes, local guidelines

  2 ☐ Yes, state guidelines

  0 ☐ No → *Go to Q.18*

16b. Are there written guidelines?

Q16b   1 ☐ Yes

  0 ☐ No → *Go to Q.18*

17. Please fax me a copy of these guidelines (or briefly describe them).

  1 ☐ Faxing Guidelines

Q17_1 _____

Q17_2 _____

Q17_3 _____

_____

FOOD SAFETY AND SANITATION

18. Are **new** employees required to receive training in food safety and sanitation?

Q18   1 ☐ Yes

  0 ☐ No → *Go to Q.19*

18a. Do **newly-hired** food service managers, cooks, or other food service staff get training in (READ LIST)?

MARK ALL THAT APPLY

	Kitchen Managers	Cooks	Other	None
Food safety/sanitation training as part of general training	Q18a_1k 1 ☐	Q18a_1c 2 ☐	Q18a_1o 3 ☐	Q18a_1n 0 ☐
Serving it Safe HACCP system.........................	Q18a_2k 1 ☐	Q18a_2c 2 ☐	Q18a_2o 3 ☐	Q18a_2n 0 ☐
Other separate course or class in food safety/sanitation	Q18a_3k 1 ☐	Q18a_3c 2 ☐	Q18a_3o 3 ☐	Q18a_3n 0 ☐
Test or exam in food safety/sanitation	Q18a_4k 1 ☐	Q18a_4c 2 ☐	Q18a_4o 3 ☐	Q18a_4n 0 ☐
Certification as food safety manager	Q18a_5k 1 ☐	Q18a_5c 2 ☐	Q18a_5o 3 ☐	Q18a_5n 0 ☐
Specify other type(s) of staff:	Q18a_6k 1 ☐	Q18a_6c 2 ☐	Q18a_6o 3 ☐	Q18a_6n 0 ☐

_____

_____

18b. How many hours of training in food safety and sanitation are required for **new** staff?

	Hours	Not Applicable/ Not Done
Food service managers...................	Q18b_1 |__|__|__|	n.a. ☐
Cooks........................	Q18b_2 |__|__|__|	n.a. ☐
Other staff.................	Q18b_3 |__|__|__|	n.a. ☐

19. Are **current** employees required to receive periodic training in food safety and sanitation?

Q19
1 ☐ Yes
0 ☐ No → *Go to Q.20*

19a. What types of training are required for **current** food service managers, cooks, or other food service staff? (read list)

MARK ALL THAT APPLY

	Kitchen Managers	Cooks	Other	None
Food safety/sanitation training as part of general training	Q19a_1k 1 ☐	Q19a_1c 2 ☐	Q19a_1o 3 ☐	Q19a_1h 0 ☐
Serving it Safe HACCP system............................	Q19a_2k 1 ☐	Q19a_2c 2 ☐	Q19a_2o 3 ☐	Q19a_2h 0 ☐
Other separate course or class in food safety/sanitation	Q19a_3k 1 ☐	Q19a_3c 2 ☐	Q19a_3o 3 ☐	Q19a_3h 0 ☐
Test or exam in food safety/sanitation	Q19a_4k 1 ☐	Q19a_4c 2 ☐	Q19a_4o 3 ☐	Q19a_4h 0 ☐
Certification as food safety manager	Q19a_5k 1 ☐	Q19a_5c 2 ☐	Q19a_5o 3 ☐	Q19a_5h 0 ☐
Specify other type(s) of staff:	Q19a_6k	Q19a_6c	Q19a_6o	Q19a_6h

_____

_____

Q19a_0t (other spec.)

19b. Each year, how many hours of training in food safety and sanitation are required for **current** staff?

	Hours	Not Applicable/ Not Done
Food service managers...................	Q19b_1 |__|__|__|	n.a. ☐
Cooks	Q19b_2 |__|__|__|	n.a. ☐
Other staff	Q19b_3 |__|__|__|	n.a. ☐

20. On average, how often does someone from your district monitor each kitchen for safe food handling practices and sanitary conditions?

MARK ONE ANSWER

Q20
1 ☐ Once a month or more
2 ☐ Less than once a month, but at least once every three months
3 ☐ Less than once every three months, but at least once every six months
4 ☐ About once a year
5 ☐ Less than once a year
0 ☐ Never

20a. Does your district have a health policy for restricting or excluding ill food service employees?

Q20a ☐ Yes
0 ☐ No

21. How often does someone from your county, state, or local health department inspect each kitchen for safe food handling practices and sanitary conditions?

MARK ONE ANSWER

Q21
1 ☐ Once a month or more
2 ☐ Less than once a month, but at least once every three months
3 ☐ Less than once every three months, but at least once every six months
4 ☐ About once a year
5 ☐ Less than once a year
0 ☐ Never

21a. Does your district have a HACCP plan (Hazard Analysis and Critical Control Points Plan) in place for the preparation of all school meals?

`Q21a` ☐ Yes

0 ☐ No

22. Considering all of your experience with food safety and sanitation in this school district, what are the most frequent problems or challenges?

MARK ALL THAT APPLY

`Q22_1` 1 ☐ Food storage problems

`Q22_2` 2 ☐ Temperature of food

`Q22_3` 3 ☐ Pests

`Q22_4` 4 ☐ Cleanliness of the cupboards, counters, floors

`Q22_5` 5 ☐ Food handling problems

`Q22_6` 6 ☐ Inconsistent, or lack of use of gloves and/or hair restraints

`Q22_7` 7 ☐ Personal cleanliness

`Q22_8` 8 ☐ Other *(Specify)*

`Q22_8ot`

`Q22_0` 0 ☐ No persistent problems or challenges

NUTRITION PROMOTION/EDUCATION

23a. Does your district have a wellness policy that addresses student nutrition and physical activity?

`Q23a` 1 ☐ Yes, local policy

2 ☐ Yes, state policy

0 ☐ No ➔ *Go to Q.24*

23b. Please tell me the 3 most important elements of the policy.

`Q23b_1`

`Q23b_2`

`Q23b_3`

q23b_1A, q23b_2A, q23b_3A = exercise, physical education
q23b_1C q23b_2C, q23b_3C = health and nutrition education
q23b_1D, q23b_2D = don't know
q23b_1E, q23b_2E = other
q23b_1F, q23b_2F, q23b_3F = standards concerning foods offered
q23b_1G = physical education and nutrition

24. Does your department routinely make information on the nutrient content of USDA-reimbursable meals available to students and/or parents?

`Q24` 1 ☐ Yes

0 ☐ No ➔ *Go to Q.24b*

24a. How do you make nutritional information available to students or parents?

MARK ALL THAT APPLY

`Q24a_1` ☐ Send menus/flyers home

`Q24a_2` ☐ Post information in school (e.g., on bulletin boards)

`Q24a_3` ☐ Post information online

`Q24a_4` ☐ Post information on TV

`Q24a_5` ☐ Post information in newspapers

`Q24a_6` ☐ Other *(Specify)*

`Q24a_7 = other school staff`

24b. In the past 12 months, have you or anyone on your staff . . .

	Yes	No
a. Attended a PTA or other parent group meeting to discuss the school food service program ?..................................... `Q24b_a`	1 ☐	0 ☐
b. Provided families with information about the school food service program, other than basic menu information? .... `Q24b_b`	1 ☐	0 ☐
c. Invited family members to consume a school meal? .... `Q24b_c`	1 ☐	0 ☐
d. Participated in a nutrition education activity in a classroom? .... `Q24b_d`	1 ☐	0 ☐
e. Conducted a nutrition education activity in a food service area? .... `Q24b_e`	1 ☐	0 ☐

25. Do you use any of the following ways to get feedback from students or parents about USDA reimbursable meals?

MARK ALL THAT APPLY

Q25_1 | 1 ☐ Surveys
Q25_2 | 2 ☐ Suggestion box
Q25_3 | 3 ☐ Bulletin board
Q25_4 | 4 ☐ Web page
Q25_5 | 5 ☐ Advisory council
Q25_6 | 6 ☐ Other *(Specify)*

_____

Q25_0 | 0 ☐ None of the above

| q25_7 = "telephone" | q25_9 = "observe what students eat" |
| q25_8 = "focus groups or meetings | q25_10 = "students plan menus" |

MEAL PRICING

---

26. Which of the following does your school district consider when setting prices for USDA-full-price reimbursable meals?

MARK ALL THAT APPLY

Q26_1 | 1 ☐ Food cost
Q26_2 | 2 ☐ Production labor cost (wages, benefits, etc.)
Q26_3 | 3 ☐ Other production costs (utilities, equipment, supplies, etc.)
Q26_4 | 4 ☐ Transportation cost
Q26_5 | 5 ☐ Administrative or indirect costs
Q26_6 | 6 ☐ Incentive for student participation
Q26_7 | 7 ☐ Constraints set by school boards
Q26_8 | 8 ☐ Ease of collecting payments
Q26_9 | 9 ☐ Other *(Specify)*

Q26_9ot

_____

26a. Does your district set prices for USDA-reimbursable meals using a percentage of markup on food or other costs?

Q26a ☐ Yes

0 ☐ No → *Go to Q.27*

26b. What is the percentage markup used for setting prices for full-price reimbursable meals? *(Enter percentage or check if not applicable)*

	Percent	**Not Applicable**
Percentage markup for NSLP I	Q26b_1 |__|__|__|%	n.a. ☐
Percentage markup for SBP	Q26b_2 |__|__|__|%	n.a. ☐

27. Which of the following does your school district consider when setting prices for **a la carte** items sold in school food service areas?

MARK ALL THAT APPLY

Q27_1 | 1 ☐ No a la carte items sold in any school cafeteria → *Go to Q.28*
Q27_2 | 2 ☐ Food cost
Q27_3 | 3 ☐ Production labor cost (wages, benefits, etc.)
Q27_4 | 4 ☐ Other production costs (utilities, equipment, supplies, etc.)
Q27_5 | 5 ☐ Transportation cost
Q27_6 | 6 ☐ Administrative or indirect costs
Q27_7 | 7 ☐ Incentive for student consumption of specific items (milk, etc.)
Q27_8 | 8 ☐ Incentive for student participation in reimbursable meal program
Q27_9 | 9 ☐ Ease of collecting payments
Q27_10 | 0 ☐ Other *(Specify)*

Q27_10ot

_____

27a. Does your district set prices for a la carte items using a percentage markup or a fixed dollar markup on food or other costs?

Q27a ☐ Yes

₀ ☐ No ➔ *Go to Q.28*

27b. What costs are included in the base for calculating a la carte prices? (The base is the amount to which the markup is added.)

MARK ALL THAT APPLY

Q27b_1 ☐ Food cost

Q27b_2 ☐ Production labor costs

Q27b_3 ☐ Other production costs

Q27b_4 ☐ Transportation cost

Q27b_5 ☐ Administrative or overhead costs

₆ ☐ Other *(Specify)*

_____ Q27b_6, q27b_6ot _____

27c. What is the dollar or percentage markup used for setting prices for foods sold a la carte? If you report as a percentage, please use your cost as the base (denominator) when figuring the percentage.

	Percent		Dollar	No Specified Markup
Milk	|__Q27c_1p__|%	or	$ Q27c_1d	n.a. ☐
Other items on reimbursable menu	|__Q27c_2p__|%	or	$ Q27c_2d	n.a. ☐
Other (a la carte-only) items	|__Q27c_3p__|%	or	$ Q27c_3d	n.a. ☐

27d. When did your school district last change the prices for a la carte foods?

☐☐☐☐ YEAR   Q27d_yr

☐☐ MONTH   Q27d_mth

d ☐ Don't know ➔ *Go to Q.28*

If NO change, *Go to Q.28*

27e. How did the prices for a la carte foods change?

MARK ONE ANSWER FOR EACH FOOD TYPE

	Increased	Reduced	Not Changed	Don't know
Milk .... Q27e_1	1 ☐	2 ☐	3 ☐	d ☐
Other items on the reimbursable menu Q27e_2	1 ☐	2 ☐	3 ☐	d ☐
Other (a la carte-only) items .... Q27e_3	1 ☐	2 ☐	3 ☐	d ☐

27f. What factors caused the change(s)?

MARK ALL THAT APPLY

Q27f_1   1 ☐   Change in food cost

Q27f_2   2 ☐   in labor cost (wages, benefits, etc.)

Q27f_3   3 ☐   in other production cost

Q27f_4   4 ☐   in transportation cost

Q27f_5   5 ☐   in administrative/indirect cost

Q27f_6   6 ☐   Increased charge to food service account for district administrative/indirect cost

Q27f_7   7 ☐   Reduction in state/school district subsidy

Q27f_8   8 ☐   Unspecified cost increase/losing money

Q27f_9   9 ☐   Declining participation in reimbursable meals

Q27f_10   0 ☐   Other *(Specify)*
                    Q27f _10ot
    _____

        d ☐   Don't know

28. How long have you been a school food service director?

    | | | YEARS AND/OR | | | MONTHS
    Q28_yrs   Q28_mth

29. What's the highest grade or year of schooling you completed?

    MARK ALL THAT APPLY

    Q29_1 1 ☐ Less than high school

    Q29_2 2 ☐ High school

    Q29_3 3 ☐ Some college, no degree

    Q29_4 4 ☐ Associates degree

    Q29_5 5 ☐ Bachelor's degree

    Q29_6 6 ☐ Graduate degree

29a. Which of the following credentials do you hold?

    MARK ALL THAT APPLY

    Q29a_1 ☐ Associates degree in consumer science, hotel/restaurant management, baking/culinary arts, etc.

    Q29a_2 2 ☐ Bachelor's degree in consumer science, hotel/restaurant management, culinary arts, etc.

    Q29a_3 3 ☐ Licensed nutritionist

    Q29a_4 4 ☐ Master's level nutritionist

    Q29a_5 5 ☐ On the job training

    Q29a_6 6 ☐ Registered Dietician

    Q29a_7 7 ☐ School Food Service and Nutrition Specialist (School Nutrition Association, formerly ASFSA, certified)

    Q29a_8 8 ☐ State food service certificate

    Q29a_0 0 ☐ None of the above

29b. How many hours do you spend each week as Director of the School Food Authority?

Q29b [ ][ ]　　HOURS/WEEK

29c. What are your other district or school level responsibilities?

MARK ALL THAT APPLY

Q29c_1　☐　Full-time school food service manager

Q29c_2　☐　Part-time school food service manager

Q29c_3　☐　Business manager (district)

Q29c_4　☐　Transportation coordinator (district)

　5　☐　Other *(Specify)*
　　　Q29c_5, Q29c_5ot
　　　_____

　6　☐　Other *(Specify)*
　　　Q29c_6, Q29c_6ot
　　　_____

Q29c_0　☐　No other responsibilities

| Q29c_1A, Q29c_2A = "school administration" |
| Q29c_1B = "logistics, facilities" |
| Q29c_1C = "clerical" |

30a. As we are doing the nutrient coding of the Menu Survey information, we find it useful to have the Production Records for each of the schools (NAME SCHOOLS) we visited in your district during the week of (WEEK OF VISIT). Could you please fax them or email them to me?

30b. What recommendations do you have on how to improve the school lunch and breakfast programs? (Would you like to e-mail me the recommendations?)

Q30b

| Q30_1A, Q30b_1A = "none, pleased with meal programs" |
| Q30_1B, Q30b_1B, Q30b_2B = "eliminate reduced category and make all meals free" |
| Q30_1C, Q30b_1C, Q30b_2C = "more healthy options" |
| Q30b_1D, Q30b_2D = "more variety to menu" |
| Q30b_1E, Q30b_2E = "less required paperwork, better computer system" |
| Q30b_1F, Q30b_2F = "more time for meals" |
| Q30b_1G = "better food equipment" |
| Q30b_1H, Q30b_2H = "more funding" |
| Q30b_1I = "more nutrition education, promotion at national and/or local levels" |
| Q300b_1J, Q30b_2J = "improve dietary recommendations (e.g., fiber targets)" |
| Q30b_1K, Q30b_2K = "less regulation on purchasing, setting prices, foods offered" |
| Q30b_1M, Q30b_2M = "offer breakfast or increase SBP participation" |
| Q30_2L, Q30b_3L = "eliminate vending machines, high sugar/fat" |
| Q30_1O, Q30_2O, Q30b_1O, Q30b_2O, Q30b_3O, Q30b_4O = "other" |

**Thank you very much for taking the time to complete this survey.
Your assistance is greatly appreciated.**

School Nutrition Dietary Assessment Study

SFA Contact Form

SFA: _____   **SCHOOL 1:** _____

SFA DIRECTOR: [dir_fn]   [dir_ln]   **SCHOOL 2:** _____

[ph_area] [ph_exch] [ph_num]

PHONE: |___|___|___|-|___|___|___|-|___|___|___|___| **SCHOOL 3:** _____

SCHOOL 4:_____

Good (morning/afternoon), this is _____ from Mathematica Policy Research. I am calling about the School Nutrition Dietary Assessment (SNDA) Study for the U.S. Department of Agriculture (USDA), Food and Nutrition Service (FNS). You should have been notified recently by (NAME), your State Child Nutrition Director that your School Food Authority (SFA) has been selected for participation in the study.

I HAVEN'T RECEIVED ANY NOTIFICATION?

I apologize about that. Why don't we complete this conversation and then I will send you some background materials about the study and follow up with your Child Nutrition Director to find out why (he/she) hadn't reached you.

HOW/WHY WAS MY SFA/SCHOOL DISTRICT SELECTED?

Each SFA was randomly selected using precise scientific sampling methods in order for the study sample to be representative of all public school districts nationally that participate in the National School Lunch Program.

(The information collected from your SFA will represent not only your own experiences, but those of similar SFAs around the country. That is why it is so important that all of the selected districts and schools participate.)

IS THIS MANDATORY?

Participation is not mandatory, but everyone from the USDA to your State Director has approved of the study and is strongly encouraging cooperation from all selected SFAs. We have made all reasonable efforts to minimize the time and effort required of all study participants.

(Because scientific sampling procedures were used to select the SFAs, any district that chooses not to participate will have a significant impact on the quality of the data and the value of the research).

At this time, I would like to briefly introduce you to the study and collect some preliminary information. The purpose of this study is to determine the foods included in current National School Lunch and School Breakfast Program meals and their nutrient content, as well as the selection of foods and nutrient consumption by public school children in the context of both their schools and households. Much of the information collected in this study will be available to nutritional experts and policymakers for the first time and will prove extremely useful in planning future technical assistance to schools and any program performance measurement.

As part of the study, we will be contacting 3 or 4 schools in your district. Does your district have any new schools, meaning the school began operating either last school year (2003-2004) or this current school year (2004-2005)?

IF YES: Can you give me the name(s) and zip code(s) of the new school(s)? (If necessary, you can fax me a list at 609-799-0005.) ENTER INFORMATION ON NEXT PAGE.

Does (SCHOOL) participate in the NSLP? **IF YES:** What grades does the school cover? What is the student enrollment?

0. a. SCHOOL	b. ZIP CODE	c. PARTICIPATE IN NSLP?	d. GRADES	e. ENROLLMENT (AS OF 10/1/04)
_____ _____	|__|__|__|__|	YES ⟶ NO ➤ **SKIP TO NEXT SCHOOL**	|__|__| to |__|__|	
_____ _____	|__|__|__|__|	YES ⟶ NO ➤ **SKIP TO NEXT SCHOOL**	|__|__| to |__|__|	
_____ _____	|__|__|__|__|	YES ⟶ NO ➤ **SKIP TO NEXT PAGE**	|__|__| to |__|__|	

We have preliminarily selected the schools we plan to contact in your district, (but they could change based on this new information you have just given me). The first school is (INSERT SCHOOL 1). Please tell me what grades are included in this school?

	SCHOOL 1	SCHOOL 2	SCHOOL 3	SCHOOL 4
NAMES OF SCHOOLS	MPR ID: _____ LEVEL: _____ _____ ☐ SCHOOL CLOSED ☐ OTHER SPECIAL CASE (explain):_____ _____	MPR ID: _____ LEVEL: _____ _____ ☐ SCHOOL CLOSED ☐ OTHER SPECIAL CASE (explain):_____ _____	MPR ID: _____ LEVEL: _____ _____ ☐ SCHOOL CLOSED ☐ OTHER SPECIAL CASE (explain):_____ _____	MPR ID: _____ LEVEL: _____ _____ ☐ SCHOOL CLOSED ☐ OTHER SPECIAL CASE (explain):_____ _____
1. What grades are included in school? **CHECK ALL THAT APPLY**	P ☐ Pre-K ACF_q1_p K ☐ K ACF_q1_k 1 ☐ 1 ACF_q1_1 2 ☐ 2 ACF_q1_2 3 ☐ 3 ACF_q1_3 4 ☐ 4 ACF_q1_4 5 ☐ 5 ACF_q1_5 6 ☐ 6 ACF_q1_6 7 ☐ 7 ACF_q1_7 8 ☐ 8 ACF_q1_8 9 ☐ 9 ACF_q1_9 10 ☐ 10 ACF_q1_10 11 ☐ 11 ACF_q1_11 12 ☐ 12 ACF_q1_12	P ☐ Pre-K K ☐ K 1 ☐ 1 2 ☐ 2 3 ☐ 3 4 ☐ 4 5 ☐ 5 6 ☐ 6 7 ☐ 7 8 ☐ 8 9 ☐ 9 10 ☐ 10 11 ☐ 11 12 ☐ 12	P ☐ Pre-K K ☐ K 1 ☐ 1 2 ☐ 2 3 ☐ 3 4 ☐ 4 5 ☐ 5 6 ☐ 6 7 ☐ 7 8 ☐ 8 9 ☐ 9 10 ☐ 10 11 ☐ 11 12 ☐ 12	P ☐ Pre-K K ☐ K 1 ☐ 1 2 ☐ 2 3 ☐ 3 4 ☐ 4 5 ☐ 5 6 ☐ 6 7 ☐ 7 8 ☐ 8 9 ☐ 9 10 ☐ 10 11 ☐ 11 12 ☐ 12
1a. Is this a charter school?	1 ☐ Yes 0 ☐ No ACF_q1a d ☐ Don't know	1 ☐ Yes 0 ☐ No d ☐ Don't know	1 ☐ Yes 0 ☐ No d ☐ Don't know	1 ☐ Yes 0 ☐ No d ☐ Don't know
2. As of October 1 of the current school year, what was the total enrollment at SCHOOL?	School_size*			
2a. Does SCHOOL participate in the NSLP?	1 ☐ Yes 0 ☐ No → SKIP TO NEXT SCHOOL ACF_q2a	1 ☐ Yes 0 ☐ No → SKIP TO NEXT SCHOOL	1 ☐ Yes 0 ☐ No → SKIP TO PAGE 6	1 ☐ Yes 0 ☐ No → SKIP TO PAGE 6

* ACF_q2 was dropped for confidentiality reasons. School size is a categorical version of the variable.

	SCHOOL 1	**SCHOOL 2**	**SCHOOL 3**	**SCHOOL 4**
NAMES OF SCHOOLS	MPR ID: _____ LEVEL: _____ _____ ☐ SCHOOL CLOSED ☐ OTHER SPECIAL CASE (explain):_____	MPR ID: _____ LEVEL: _____ _____ ☐ SCHOOL CLOSED ☐ OTHER SPECIAL CASE (explain):_____	MPR ID: _____ LEVEL: _____ _____ ☐ SCHOOL CLOSED ☐ OTHER SPECIAL CASE (explain):_____	MPR ID: _____ LEVEL: _____ _____ ☐ SCHOOL CLOSED ☐ OTHER SPECIAL CASE (explain):_____
3. Does SCHOOL operate under Provision 2 for the NSLP or SBP? **NOTE:** Provisions 2 schools serve meals at no charge to all children as determined by application once every three years.	1 ☐ NSLP ⟶ **GO TO Q.7** 2 ☐ SBP ⟶ **GO TO Q.7** 0 ☐ None of the above ACF_q3_1 ACF_q3_2 ACF_q3_0	1 ☐ NSLP ⟶ **GO TO Q.7** 2 ☐ SBP ⟶ **GO TO Q.7** 0 ☐ None of the above	1 ☐ NSLP ⟶ **GO TO Q.7** 2 ☐ SBP ⟶ **GO TO Q.7** 0 ☐ None of the above	1 ☐ NSLP ⟶ **GO TO Q.7** 2 ☐ SBP ⟶ **GO TO Q.7** 0 ☐ None of the above
4. Does SCHOOL operate under Provision 3 for the NSLP or SBP? **NOTE:** Provisions 3 schools serve meals at no charge to all children regardless of eligibility status.	1 ☐ NSLP ⟶ **GO TO Q.7** 2 ☐ SBP ⟶ **GO TO Q.7** 0 ☐ None of the above ACF_q4_1 ACF_q4_2 ACF_q4_0	1 ☐ NSLP ⟶ **GO TO Q.7** 2 ☐ SBP ⟶ **GO TO Q.7** 0 ☐ None of the above	1 ☐ NSLP ⟶ **GO TO Q.7** 2 ☐ SBP ⟶ **GO TO Q.7** 0 ☐ None of the above	1 ☐ NSLP ⟶ **GO TO Q.7** 2 ☐ SBP ⟶ **GO TO Q.7** 0 ☐ None of the above
5. How many students in SCHOOL are approved for free meals?	Pct_free*			
6. How many students in SCHOOL are approved for reduced-price meals?	Pct_rpc*			

* Pct_free and pct_rpc replace ACF_q5 and ACF_q6 for confidentiality reasons.

NAMES OF SCHOOLS	SCHOOL 1	SCHOOL 2	SCHOOL 3	SCHOOL 4
	_____	_____	_____	_____
7. (CODE IF KNOWN) Does SCHOOL participate in the School Breakfast Program (SBP) for 2004-2005?	₁ ☐ Yes ₀ ☐ No → *Go to Q9* ACF_q7	₁ ☐ Yes ₀ ☐ No → *Go to Q9*	₁ ☐ Yes ₀ ☐ No → *Go to Q9*	₁ ☐ Yes ₀ ☐ No → *Go to Q9*
8. Does SCHOOL offer universal-free breakfast? ACF_q8	₁ ☐ Yes ₀ ☐ No n.a. ☐ NA (no breakfast program)	₁ ☐ Yes ₀ ☐ No n.a. ☐ NA (no breakfast program)	₁ ☐ Yes ₀ ☐ No n.a. ☐ NA (no breakfast program)	₁ ☐ Yes ₀ ☐ No n.a. ☐ NA (no breakfast program)
8a. Does SCHOOL offer any non-traditional breakfast program such as breakfast in the classroom or grab and go breakfast?	₁ ☐ Yes ₀ ☐ No ACF_q8a	₁ ☐ Yes ₀ ☐ No	₁ ☐ Yes ₀ ☐ No	₁ ☐ Yes ₀ ☐ No
9. Does SCHOOL operate any NSLP or SBP year-round meal programs? **CHECK ALL THAT APPLY**	₁ ☐ NSLP ACF_q9_1 ₂ ☐ SBP ACF_q9_2 ACF_q9_0 ₀ ☐ None of the above	☐ NSLP ☐ SBP ☐ None of the above	₁ ☐ NSLP ₂ ☐ SBP ₀ ☐ None of the above	₁ ☐ NSLP ₂ ☐ SBP ₀ ☐ None of the above
10. Where are menus for SCHOOL planned? **CHECK ALL THAT APPLY**	₁ ☐ District ACF_q10_1 ₂ ☐ SFA lev ACF_q10_2 ₃ ☐ Off-site ACF_q10_3 ₄ ☐ This sc ACF_q10_4 ₅ ☐ Shared ACF_q10_5 and sch ₆ ☐ Food S ACF_q10_6 management company ₇ ☐ Other *(Specify)* ACF_q10_7 ACF_q10_ot	☐ District level ☐ SFA level ☐ Off-site kitchen ☐ This school ☐ Shared district and school ☐ Food Service management company ₇ ☐ Other *(Specify)* _____ _____	₁ ☐ District level ₂ ☐ SFA level ₃ ☐ Off-site kitchen ₄ ☐ This school ₅ ☐ Shared district and school ₆ ☐ Food Service management company ₇ ☐ Other *(Specify)* _____ _____	₁ ☐ District level ₂ ☐ SFA level ₃ ☐ Off-site kitchen ₄ ☐ This school ₅ ☐ Shared district and school ₆ ☐ Food Service management company ₇ ☐ Other *(Specify)* _____ _____
10a. Who is the menu planner?	NAME_____ PHONE #_____	NAME_____ PHONE #_____	NAME_____ PHONE #_____	NAME_____ PHONE #_____
11. Which of the following menu planning options is currently used for SCHOOL? ACF_q11	₁ ☐ NuMenus ₂ ☐ Assisted NuMenus ₃ ☐ Enhanced Food-Based ₄ ☐ Traditional Food-Based ₅ ☐ Other *(Specify)* ACF_q11ot ₀ ☐ DON'T KNOW	₁ ☐ NuMenus ₂ ☐ Assisted NuMenus ₃ ☐ Enhanced Food-Based ₄ ☐ Traditional Food-Based ₅ ☐ Other *(Specify)* _____ ₀ ☐ DON'T KNOW	₁ ☐ NuMenus ₂ ☐ Assisted NuMenus ₃ ☐ Enhanced Food-Based ₄ ☐ Traditional Food-Based ₅ ☐ Other *(Specify)* _____ ₀ ☐ DON'T KNOW	₁ ☐ NuMenus ₂ ☐ Assisted NuMenus ₃ ☐ Enhanced Food-Based ₄ ☐ Traditional Food-Based ₅ ☐ Other *(Specify)* _____ ₀ ☐ DON'T KNOW

	School 1	School 2	School 3	School 4
Names of Schools	_____	_____	_____	_____
12. Does SCHOOL use a cycle ~~menu~~? ACF_q12	1 ☐ Yes 0 ☐ No ➔ *Go to Q.14*	1 ☐ Yes 0 ☐ No ➔ *Go to Q.14*	1 ☐ Yes 0 ☐ No ➔ *Go to Q.14*	1 ☐ Yes 0 ☐ No ➔ *Go to Q.14*
13. What is the length of the cycle in days?	ACF_q13 |__|__| DAYS	|__|__| DAYS	|__|__| DAYS	|__|__| DAYS
14. Does SCHOOL offer foods from national or regional brand-name or chain restaurants, such as Domino's, McDonald's, Burger King, Taco Bell, Pizza Hut or Subway?	1 ☐ Yes 0 ☐ No ➔ *Go to Q.15* ACF_q14	1 ☐ Yes 0 ☐ No ➔ *Go to Q.15*	1 ☐ Yes 0 ☐ No ➔ *Go to Q.15*	1 ☐ Yes 0 ☐ No ➔ *Go to Q.15*
14a. Are these foods offered in reimbursable meals?	1 ☐ Yes 0 ☐ No ACF_q14a	1 ☐ Yes 0 ☐ No	1 ☐ Yes 0 ☐ No	1 ☐ Yes 0 ☐ No
15. Are meals for SCHOOL partly or fully prepared in an off-site kitchen?	1 ☐ Yes 0 ☐ No ACF_q15	1 ☐ Yes 0 ☐ No	1 ☐ Yes 0 ☐ No	1 ☐ Yes 0 ☐ No
15a. What is the name of the person who completes production records at SCHOOL?	NAME_____ PHONE #_____	NAME_____ PHONE #_____	NAME_____ PHONE #_____	NAME_____ PHONE #_____

16. Now thinking about the **2003-2004** school year:				
16a. What was the average daily attendance?	sda_rate*			
16b. How many full price lunches were claimed for 2003-2004?	schl_nslp_full*			
16c. How many reduced-price lunches were claimed for 2003-2004?	schl_nslp_rpc*			
16d. And, how many free lunches were claimed for 2003-2004?	schl_nslp_free*			

17. Now thinking about school breakfasts for **2003-2004**:				
17a. How many full price SBP breakfasts were claimed for the year? schl_sbp_full*	_____ # FULL PRICE BREAKFASTS 0. ☐ No breakfast program in 2003-2004 **GO TO NEXT SCHOOL** ◄	_____ # FULL PRICE BREAKFASTS 0. ☐ No breakfast program in 2003-2004 **GO TO NEXT SCHOOL** ◄	_____ # FULL PRICE BREAKFASTS 0. ☐ No breakfast program in 2003-2004 **GO TO NEXT PAGE** ◄	_____ # FULL PRICE BREAKFASTS 0. ☐ No breakfast program in 2003-2004 **GO TO NEXT PAGE** ◄
17b. How many reduced-price SBP breakfasts were claimed for the year?	schl_sbp_rpc*			
17c. And, how many free breakfasts were claimed for 2003-2004?	schl_sbp_free*			

* Were removed for confidentiality reasons.

IF ON-SITE DISTRICT WITH NEW SCHOOLS OR CLOSING OF ANY SAMPLED SCHOOLS:
The next step is for us to get student rosters for the schools included in the study to sample students for the student level data collection, but first I need to check if the new information you have provided me will affect the schools we include from your district. I would like to call you back within a day or two with that decision. In the meantime, please check on how you will be able to send us the rosters. END OF CALL.

IF ON-SITE DISTRICT WITH <u>NO</u> NEW SCHOOLS OR CLOSING OF SAMPLED SCHOOLS:
At this time we need to sample students for the student-level data collection. To prepare for this, I'd like you to send me student rosters for the schools we just discussed. These should include student name (or other identifier such as school ID#), grade, date of birth and school. (I can send you an example of the type of information we are looking for.)

When can we expect the rosters? And how will you be sending them? (If it is an option, we would prefer an electronic file.)

QUESTIONS/CONCERNS ABOUT CONSENT:
We are only using the rosters to select which students to include in the study. Once those students have been selected, we will contact the schools and work with them to meet any consent requirements before including any personal information in the data. All information collected now or at any time throughout the study will be confidential.

IF NO NAMES WITHOUT CONSENT:
Can you provide rosters using only ID numbers? Once we have selected students based on their ID numbers for the study, we would be happy to work with the schools to meet any consent requirements before having the selected students names released to us.

IF OTHER CONSENT PROCEDURES:
We would be happy to comply with whatever your district requires. Who is the best person to discuss this with? Can I have their phone number?

IF ROSTERS PROVIDED BY SOMEONE ELSE:
Can I please have the name and telephone number of whom I need to follow up with?

That is all the information we need at this time. Please let the individual schools know that they have been selected for the study and can expect to hear from us beginning in about January. I will send you some additional information about the study that you can pass along to them. We may also need to contact you for additional information later as we prepare to get in touch with the schools. In the meantime, it would be helpful if you could prepare a very brief letter to us acknowledging your awareness of the study and your support of the district's participation.
Please email me at: _____ or mail it to:

Mathematica Policy Research
PO Box 2393
Princeton, NJ 08543

Thank you for your time. (I look forward to speaking with you again soon.) If you have any questions (before we speak again), please call me directly at: _____

SFA: _____ SFA DIRECTOR: _____ PHONE: |__|__|__|-|__|__|__|-|__|__|__|__|

SCHOOL 1: _____ CONTACT: _____ PHONE: |__|__|__|-|__|__|__|-|__|__|__|__|

SCHOOL 2: _____ CONTACT: _____ PHONE: |__|__|__|-|__|__|__|-|__|__|__|__|

SCHOOL 3: _____ CONTACT: _____ PHONE: |__|__|__|-|__|__|__|-|__|__|__|__|

	School 1	School 2	School 3
Names of Schools	_____	_____	_____
18. What time do the school doors open for students?	SCH18_hr |__|__|:|__|__| AM SCH18_min	|__|__|:|__|__| AM	|__|__|:|__|__| AM
19. When does the first school bus usually arrive at school? no_mornbus	SCH19_hr |__|__|:|__|__| AM SCH19_min 0 ☐ No school buses in the AM	|__|__|:|__|__| AM 0 ☐ No school buses in the AM	|__|__|:|__|__| AM 0 ☐ No school buses in the AM
20. When does the last school bus usually arrive at school in the morning? no_aftbus	SCH20_hr |__|__|:|__|__| AM SCH20_min 0 ☐ No school buses in the PM	|__|__|:|__|__| AM 0 ☐ No school buses in the PM	|__|__|:|__|__| AM 0 ☐ No school buses in the PM
21. What time do you usually start serving breakfast? no_brktprg	SCH21_hr |__|__|:|__|__| AM SCH21_min 0. ☐ No breakfast program	|__|__|:|__|__| AM 0. ☐ No breakfast program	|__|__|:|__|__| AM 0. ☐ No breakfast program
22. What time does the first class of the day usually start?	SCH22_hr |__|__|:|__|__| AM SCH22_min	|__|__|:|__|__| AM	|__|__|:|__|__| AM
23. What time does the last class of the day usually end?	SCH23_hr |__|__|:|__|__| PM SCH23_min	|__|__|:|__|__| PM	|__|__|:|__|__| PM
24. Does the school have any scheduled days with early release of students?	1 ☐ Yes SCH_q24 0 ☐ No → *Go to Q.27*	1 ☐ Yes 0 ☐ No *Go to Q.27* →	1 ☐ Yes 0 ☐ No *Go to Q.27*
25. On average, how many days per year are students released early?	SCH_q25 |__|__|__| DAYS PER YEAR	|__|__|__| DAYS PER YEAR	|__|__|__| DAYS PER YEAR
26. What meals are offered on early release days? **CHECK ALL THAT APPLY**	0 ☐ None SCH18_min 1 ☐ Breakfast SCH18_min 2 ☐ Snack SCH18_min 3 ☐ Limited lunch SCH18_min 4 ☐ Full lunch SCH18_min	0 ☐ None 1 ☐ Snack 2 ☐ Snack 3 ☐ Limited lunch 4 ☐ Full lunch	0 ☐ None 1 ☐ Snack 2 ☐ Snack 3 ☐ Limited lunch 4 ☐ Full lunch

27. What (times are/time is) your lunch period(s)? Which grades have lunch during each period? As of October 1 of this school year, how many students were scheduled to have lunch during each period?

SEE ATTACHED SHEET FOR ADDITIONAL CODES

School 1

School Name: _____

Lunch Period	Time Period	Grades — CIRCLE ALL THAT APPLY		Average Number of Students
1	SCH_1fhr SCH_1FM FROM: |__|__| : |__|__| SCH_1thr SCH_1tm TO: |__|__| : |__|__| s SCH_2fhr SCH_2fm	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	SCH_1nm |__|__|__|
2	FROM: |__|__| : |__|__| SCH_2thr SCH_2fm TO: |__|__| : |__|__| SCH_3fhr SCH_3fm	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	SCH_2nm |__|__|__|
3	FROM: |__|__| : |__|__| SCH_3thr SCH_3tm TO: |__|__| : |__|__| SCH_4fhr SCH_4fm	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	SCH_3nm |__|__|__|
4	FROM: |__|__| : |__|__| SCH_4thr SCH_4tm TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	SCH_4nm |__|__|__|

School 2

School Name: _____

Time Period	Grades — CIRCLE ALL THAT APPLY		Average Number of Students
FROM: |__|__| : |__|__| TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|__| : |__|__| TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|__| : |__|__| TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|__| : |__|__| TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|

School 3

School Name: _____

Time Period	Grades — CIRCLE ALL THAT APPLY		Average Number of Students
FROM: |__|__| : |__|__| TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|__| : |__|__| TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|__| : |__|__| TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|__| : |__|__| TO: |__|__| : |__|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|

27. What (times are/time is) your lunch period(s)? Which grades have lunch during each period? As of October 1 of this school year, how many students were scheduled to have lunch during each period?

(Continued)

School 1

School Name: _____

Lunch Period	Time Period	Grades CIRCLE ALL THAT APPLY		Average Number of Students
	SCH_5fhr SCH_5fm			
5	FROM: |__|:|__|: |__| SCH_5thr SCH_5tm TO: |__|:|__|: |__| SCH_5fhr SCH_5fm	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	SCH_5nm |__|__|__|
	SCH_6fhr SCH_6fm			
6	FROM: |__|:|__|: |__| SCH_6thr SCH_6tm TO: |__|:|__|: |__| SCH_6fhr SCH_7fm	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	SCH_6nm |__|__|__|
	SCH_7fhr SCH_7fm			
7	FROM: |__|:|__|: |__| SCH_7thr SCH_7tm TO: |__|:|__|: |__| SCH_8fhr SCH_8fm	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	SCH_7nm |__|__|__|
8	FROM: |__|:|__|: |__| SCH_8thr SCH_8tm TO: |__|:|__|: |__| SCH_8fhr SCH_8fm	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	SCH_8nm |__|__|__|

School 2

School Name: _____

Time Period	Grades CIRCLE ALL THAT APPLY		Average Number of Students
FROM: |__|:|__|: |__| TO: |__|:|__|: |__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|:|__|: |__| TO: |__|:|__|: |__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|:|__|: |__| TO: |__|:|__|: |__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|:|__|: |__| TO: |__|:|__|: |__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|

School 3

School Name: _____

Time Period	Grades CIRCLE ALL THAT APPLY		Average Number of Students
FROM: |__|:|__|: |__| TO: |__|:|__|: |__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|:|__|: |__| TO: |__|:|__|: |__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|:|__|: |__| TO: |__|:|__|: |__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|:|__|: |__| TO: |__|:|__|: |__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|

(Continued)

23. What (times are/time is) your lunch period(s)? Which grades have lunch during each period? As of October 1 of this school year, how many students were scheduled to have lunch during each period?

SCH18_min

School 1

School Name: _____

Lunch Period	Time Period	Grades CIRCLE ALL THAT APPLY		Average Number of Students
	FROM: |__|:|__| **TO:** |__|:|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
9				
	FROM: |__|:|__| **TO:** |__|:|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
10				

School 2

School Name: _____

Time Period	Grades CIRCLE ALL THAT APPLY		Average Number of Students
FROM: |__|:|__| **TO:** |__|:|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|:|__| **TO:** |__|:|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|

School 3

School Name: _____

Time Period	Grades CIRCLE ALL THAT APPLY		Average Number of Students
FROM: |__|:|__| **TO:** |__|:|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|
FROM: |__|:|__| **TO:** |__|:|__|	PreK K 1 2 3 4 5	6 7 8 9 10 11 12	|__|__|__|

School Nutrition Dietary Assessment Study

Principal Survey

PLEASE RETURN WITHIN ONE WEEK

Sponsored by:

U.S. Department of Agriculture
Food and Nutrition Service

INSTRUCTIONS

- This survey should be completed by the Principal.

- When completing the survey please use a black or blue pen, and write only in the spaces provided.

- Please answer all of the questions, except for those that are not applicable, as indicated by the skip patterns.

- Unless questions specifically indicate that more than one answer may be given, please mark only one answer per question.

- If you have any questions regarding the study or completing the Principal survey, please do not hesitate to get in touch with Rhoda Cohen at 1-800-232-8024 or email: rcohen@mathematica-mpr.com

The information you provide will be used only for statistical purposes. In accordance with the Confidential Information Protection and Statistical Efficiency Act of 2002, your responses will not be disclosed in identifiable form without your consent.

Participation is completely voluntary. Choosing not to participate will not affect your employment or your district's participation in school food programs in any way.

We thank you for your cooperation and participation in this very important study.

FOR ASSISTANCE CALL TOLL FREE: 1-800-232-8024

MEAL-TIME POLICIES

1. Are all students scheduled to have a lunch period every day?

P1

  1 ☐ Yes → *Go to Q.2*

  0 ☐ No

1a. Why do some students not have a lunch period?

MARK ALL THAT APPLY

P1a_1   1 ☐ Take extra credit class instead

P1a_2   2 ☐ Take remedial class instead

P1a_3   3 ☐ Take class only available during scheduled lunch

P1a_4   4 ☐ Schedule does not include lunch period

P1a_5   5 ☐ Other *(Specify)*

                     P1a_ot

2. Are students allowed to visit other tables during meal times?

P2   1 ☐ Yes

  0 ☐ No

  2 ☐ Some are, some aren't

3. Where may students go during their lunch period?

MARK ALL THAT APPLY

P3_1   1 ☐ Food service area/ cafeteria or other area where meals are served

P3_2   2 ☐ Classroom but only with teacher permission

P3_3   3 ☐ Classrooms open to students during lunch period

P3_4   4 ☐ Library

P3_5   5 ☐ Gym

P3_6   6 ☐ Outside, on campus

P3_7   7 ☐ Anywhere on campus

P3_8   8 ☐ Off-campus/Home

P3_9   9 ☐ Other (SPECIFY)

     P3_ot

> P3_10 = "restroom facilities
> P3_11 = "computer lab, media center"
> P3_12 = "designated areas, e.g. hallways, student commons"

3a. What grades are allowed to go off-campus during their lunch period?

P3a_0   0 ☐ None → *Go to Q.4*

MARK ALL THAT APPLY

1 ☐	2 ☐	3 ☐	4 ☐	5 ☐	6 ☐	7 ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐
P3a_1	P3a_2	P3a_3	P3a_4	P3a_5	P3a_6	P3a_7	P3a_8	P3a_9	P3a_10	P3a_11	P3a_12

3b. Which of the following off-campus food sources are close enough for students to walk or drive to during lunch?

P3b_1 1 ☐ Fast food restaurants

P3b_2 2 ☐ Other restaurants, cafeterias, or diners

P3b_3 3 ☐ Supermarkets, convenience stores, or other stores

P3b_4 4 ☐ Off-campus lunch wagons or push carts

P3b_4 5 ☐ Other food sources *(Specify)*

      P3b_ot _____

4. Are students who do not bring or buy lunch allowed to be in the area where students eat lunch?

P4 1 ☐ Yes

    0 ☐ No

    2 ☐ Some are, some aren't

5. Does your school have rules or written policies about when students may buy a la carte foods, that is, foods other than a reimbursable meal or milk?

P5 1 ☐ Yes

    2 ☐ Rules for some students

    0 ☐ No ➞ *Go to Q.6*

5a. What are those rules?

MARK ALL THAT APPLY

P5a_1 1 ☐ When student takes a reimbursable meal

P5a_2 2 ☐ When a student brings lunch from home

P5a_3 3 ☐ When student has eaten meal

P5a_4 4 ☐ When all students have had the opportunity to take a reimbursable meal

P5a_5 5 ☐ Other restriction *(Specify)*

      P5a_ot _____

> P5a_6 = "anytime during meal periods"
> P5a_7 = "certain days or times during lunch period"
> P5a_8 = "limit quantity"
> P5a_9 = "limit type"
> P5a_10 = "during recess, in between periods"

6. Are students who go to the area where students eat lunch allowed to leave after a certain point during their lunch period, for example, after the first 15 minutes?

P6 1 ☐ Yes, all students may leave ➞ *Go to Q.7*

    2 ☐ Yes, some students may leave

    0 ☐ No, all students must stay in the area ➞ *Go to Q.7*

6a. Which grades are allowed to leave after a set period of time?

MARK ALL THAT APPLY

1 ☐	2 ☐	3 ☐	4 ☐	5 ☐	6 ☐	7 ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐
P6a_1	P6a_2	P6a_3	P6a_4	P6a_5	P6a_6	P6a_7	P6a_8	P6a_9	P6a_10	P6a_11	P6a_12

7. Are any students who go to the area where students eat lunch allowed to leave *at any time* during their lunch period?

P7   1 ☐ Yes, all students may leave ⭢ *Go to Q.8*

     2 ☐ Yes, some students may leave (either with or without special permission)

     0 ☐ No, all students must stay in the area ⭢ *Go to Q.8*

7a. Which grades are allowed to leave **at any time**?

MARK ALL THAT APPLY

1 ☐	2 ☐	3 ☐	4 ☐	5 ☐	6 ☐	7 ☐	8 ☐	9 ☐	10 ☐	11 ☐	12 ☐
P7a_1	P7a_2	P7a_3	P7a_4	P7a_5	P7a_6	P7a_7	P7a_8	P7a_9	P7a_10	P7a_11	P7a_12

8. Are other school activities, such as pep rallies, club meetings, bake sales, or tutoring sessions ever scheduled during meal times?

P8   1 ☐ Yes

     0 ☐ No ⭢ *Go to Q.9*

8a. On average, how often are the following types of activities scheduled during the **breakfast** period?

	Every day	3-4 x Per Week	1-2 x Per Week	Less Than 1 x Per Week or Never
Pep rallies P8a_pr	1 ☐	2 ☐	3 ☐	0 ☐
Club meetings P8a_cm	1 ☐	2 ☐	3 ☐	0 ☐
Tutoring sessions P8a_ts	1 ☐	2 ☐	3 ☐	0 ☐
Bake sales P8a_bs	1 ☐	2 ☐	3 ☐	0 ☐
Other *(Specify)* P8a_o0_3	1 ☐	2 ☐	3 ☐	0 ☐

P8a_ot

8b. On average, how often are the following types of activities scheduled during the **lunch** period?

	Every day	3-4 x Per Week	1-2 x Per Week	Less Than 1 x Per Week or Never
Pep rallies P8b_pr	1 ☐	2 ☐	3 ☐	0 ☐
Club meetings P8b_cm	1 ☐	2 ☐	3 ☐	0 ☐
Tutoring sessions P8b_ts	1 ☐	2 ☐	3 ☐	0 ☐
Bake sales P8b_bs	1 ☐	2 ☐	3 ☐	0 ☐
Other *(Specify)* P8b_o0_3	1 ☐	2 ☐	3 ☐	0 ☐

P8b_ot

P8b_sa "sports activities"

(If responding for a high school, Go to Q.11)

9. Does your school have recess?

P9   ₁ ☐ Yes

   ₀ ☐ No ➜ *Go to Q.11*

9a. Do any students have recess immediately before lunch?

P9a   ₁ ☐ Yes

   ₀ ☐ No ➜ *Go to Q.10*

9b. What percentage of students have recess immediately before lunch?

P9b   [   ]   PERCENT

P9b_box   ☐ All - 100%

10. Do any students have recess immediately after lunch?

P10   ₁ ☐ Yes

   ₀ ☐ No ➜ *Go to Q.10b*

10a. What percentage of students have recess immediately after lunch?

P10a   [   ]   PERCENT

P10a_box   ☐ All - 100%

10b. Are students allowed to go out to recess before the official end of their lunch period?

P10b   ₁ ☐ Yes

   ₀ ☐ No ➜ *Go to Q.11*

10c. Are there any rules about when students can go out to recess?

P10c   ₁ ☐ Yes

   ₀ ☐ No ➜ *Go to Q.11*

10d. Please describe these rules.

P10d_ot1, P10d_ot2

P10d_a = "when students finish eating"
P10d_b = "after specific time period"
P10d_c = "adults must dismiss or accompany students"
P10d_d = "after students clean up"
P10d_e = "if well-behaved"
P10d_f = "only certain grades"

EATING LOCATIONS AND ENVIRONMENT

11. Where do students eat school breakfast?

MARK ALL THAT APPLY

P11_1   ₁ ☐ No breakfast program ➜ *Go to Q.14*

P11_2   ₂ ☐ Food service area

P11_3   ₃ ☐ School buses

P11_4   ₄ ☐ Classrooms

P11_5   ₅ ☐ Outdoors

P11_6   ₆ ☐ Other *(Specify)*

   P11_ot

P11_7 = "hallways or on the go"
P11_8 = "gym, multi-purpose room"

12. How many adults usually supervise the students during breakfast in the food service area?

P12   [   ]

13. Who are these breakfast monitors?

MARK ALL THAT APPLY

P13_1   ₁ ☐ Administrators or counselors

P13_2   ₂ ☐ Teachers

P13_3   ₃ ☐ Aides (food service area monitors with no other duties)

P13_4   ₄ ☐ Aides (regular school staff who rotate in the assignment)

P13_5   ₅ ☐ Other school personnel

P13_6   ₆ ☐ Parents

P13_7   ₇ ☐ Community volunteers

P13_8   ₈ ☐ Other *(Specify)*

   P13_ot

P13_9 = "food service staff"
P13_10 = "security/safety officers"
P13_11 = "custodian"

14. Where do students eat school lunches?

MARK ALL THAT APPLY

P14_1   ₁ ☐ All students eat in classrooms ➜ *Go to Q.21*

P14_2   ₂ ☐ Food service area

P14_3   ₃ ☐ Classrooms

P14_4   ₄ ☐ Outdoors

P14_5   ₅ ☐ Other *(Specify)*

   P14_ot

P14_6 = "gym, multi-purpose room"
P14_7 = "hallways or 'on the go' "

15. In how many different rooms and outdoor locations are reimbursable lunches **served**?

| | ROOMS AND OUTDOOR LOCATIONS
P15

16. How many different **eating locations** for school lunches does the school have?

| | LUNCH TIME EATING LOCATIONS
P16

17. How often is the noise level at lunch a problem?

MARK ONE ANSWER

P17
1 ☐ Never → *Go to Q.18*

2 ☐ Seldom

3 ☐ Sometimes

4 ☐ Most of the time

5 ☐ Always

17a. What measures do you take to keep noise under control?

MARK ALL THAT APPLY

P17a_1 1 ☐ Speak to noise-makers

P17a_2 2 ☐ Punish noise-makers

P17a_3 3 ☐ Remove noise-makers from meal area

P17a_4 4 ☐ Ask all children to be quiet

P17a_5 5 ☐ Other *(Specify)*
P17a_ot1   P17a_ot2

P17a_0 0 ☐ None of the above

P17a_6 = "active supervision by adult monitors"
P17a_7 = "praise, reward good behavior"   P17a_9 = "announcements, speakers
P17a_8 = "signals (e.g. lights)"   P17a_10 = "silent lunch, quiet time"

18. How many adults usually supervise the students during lunch in the food service area?

| | ADULTS
P18

19. Who are these lunch monitors?

MARK ALL THAT APPLY

P19_1 1 ☐ Administrators or counselors

P19_2 2 ☐ Teachers

P19_3 3 ☐ Aides (food service area monitors with no other duties)

P19_4 4 ☐ Aides (regular school staff who rotate in the assignment)

P19_5 4 ☐ Other school personnel (such as coaches)

P19_6 5 ☐ Parents

P19_7 6 ☐ Community volunteers

P19_8 7 ☐ Other *(Specify)*
P19_ot

P19_9 = "food service staff"
P19_10 = "security/safety officers"
P19_11 = "custodians"

20. Does your school have enough space to seat all students during each lunch period?

P20 1 ☐ Yes

0 ☐ No

21. Does your school have enough serving lines or stations to serve all students during the first <u>half</u> of each lunch period?

P21 1 ☐ Yes

0 ☐ No

22. What improvements, if any, would you like to see in the meal serving area or the space that is available for students to eat meals?

MARK ALL THAT APPLY

P22_0 0 ☐ No improvements need to be made

P22_1 1 ☐ More serving lines

P22_2 2 ☐ More time to eat

P22_3 3 ☐ More space for seating

P22_4 4 ☐ Smaller tables

P22_5 5 ☐ More space between tables

P22_6 6 ☐ Renovate space—upgrade seating/lighting

P22_7 7 ☐ Improve color or décor

P22_8 8 ☐ More natural light

P22_9 9 ☐ Other *(Specify)*   P22_ot1,   P22_ot2

P22_10 = "more food service staff"   P22_14 = "improve acoustics"
P22_11 = "more monitors"   P22_15 = "improve check out efficiency"
P22_12 = "space exclusively for food service"   P22_16 = "shaded eating area"
P22_13 = "large space overall"

VENDING MACHINES

23. Where are vending machines available to students in your school or on the school grounds?

MARK ALL THAT APPLY

P23_0 0 ☐ No vending machines for students → *Go to Q.25*

P23_1 1 ☐ Food service area (indoor area where meals are served/eaten)

P23_2 2 ☐ Other indoor area(s)

P23_3 3 ☐ Outside school buildings, on school grounds

23a. Who decided to place the vending machines that are available to students outside of the food service area?

MARK ALL THAT APPLY

P23a_0 0 ☐ No vending machines outside of the food service area

P23a_1 1 ☐ School food service director

P23a_2 2 ☐ Kitchen manager

P23a_3 3 ☐ Principal

P23a_4 4 ☐ Athletic director

P23a_5 5 ☐ School district official

P23a_6 6 ☐ Other *(Specify)*

P23a_ot
_____

d ☐ Don't know

```
P23a_7 = "vendors"
P23a_8 = "school board"
P23a_9 = "state officials"
P23a_10 = "fire dept., maintenance,
```

23b. Not counting machines that sell only milk, 100% juice, or water, when can students use the **beverage** machines outside of the food service area?

MARK ALL THAT APPLY

P23b_1 1 ☐ No beverage machines outside of food service area

P23b_2 2 ☐ Before school

P23b_3 3 ☐ During school hours, before lunch

P23b_4 4 ☐ During lunch

P23b_5 5 ☐ After lunch, before end of last regular class

P23b_6 6 ☐ After last regular class

P23b_7 7 ☐ Other *(Specify)*

P23b_ot
_____

```
P23b_8 = "anytime"
P23b_9 = "during recess or in between class"
P23b_10 = "in athletic event ir during/after gym"
P23b_11 = "with teacher permission"
```

23c. Are beverage sales in your school covered by a "pouring rights" contract (that is, a long-term contract with a beverage company that establishes the company as a sole source vendor for beverages in the school)? Count both foodservice and other machines.

P23c 1 ☐ Yes

0 ☐ No

d ☐ Don't know

23d. When can students use the **snack** machines or other machines containing snacks outside of the food service area?

MARK ALL THAT APPLY

P23d_1 1 ☐ No machines with snack foods outside of the food service area

P23d_2 2 ☐ Before school

P23d_3 3 ☐ During school hours, before lunch

P23d_4 4 ☐ During lunch

P23d_5 5 ☐ After lunch, before end of last regular class

P23d_6 6 ☐ After last regular class

P23d_7 7 ☐ Other *(Specify)*

P23d_ot

```
P23d_8 = "anytime"
P23d_9 = "during recess or in between classes"
```

23e. Who receives income from these machines?

MARK ALL THAT APPLY

P23e_1 1 ☐ School food service

P23e_2 2 ☐ School

P23e_3 3 ☐ Athletic department

P23e_4 4 ☐ Other school district department or fund

P23e_5 5 ☐ Other *(Specify)*

P23e_ot
_____

d ☐ Don't know

P23e_6 = "student council, activities/clubs"

24. What is the net income to the <u>school or district</u> from vending machines anywhere in the school or on the school grounds (per year, month, or week)? Do not include any income that goes to <u>food service</u>.

$ [_____] PER P24_per

1 ☐ Year

2 ☐ Month

3 ☐ Week

4 ☐ Other *(Specify)*

P24_ot
_____

0 ☐ No income to school district from vending machines

d ☐ Don't know

| **SCHOOL STORE** | 25e. Approximately how much net income does the school receive from the school store in total (per year, month, or week)? |

SCHOOL STORE

25. Do you have a school store that sells foods or beverages (including snack foods)?

P25 ₁ ☐ Yes

₀ ☐ No → *Go to Q.26*

25a. What days of the week is the school store usually open?

MARK ALL THAT APPLY

P25a_1 ₁ ☐ Monday

P25a_2 ₂ ☐ Tuesday

P25a_3 ₃ ☐ Wednesday

P25a_4 ₄ ☐ Thursday

P25a_5 ₅ ☐ Friday

P25a_6 ₆ ☐ Various or no set schedule

25b. When is the store usually open to students?

MARK ALL THAT APPLY

P25b_1 ₁ ☐ Before school

P25b_2 ₂ ☐ During school hours

P25b_3 ₃ ☐ During lunch period

P25b_4 ₄ ☐ After school

25c. Who receives income from the school store?

MARK ALL THAT APPLY

P25c_1 ₁ ☐ School food service **only** → *Go to Q.26*

P25c_2 ₂ ☐ School food service with others

P25c_3 ₃ ☐ School

P25c_4 ₄ ☐ School and SFA jointly

P25c_5 ₅ ☐ Athletic department

P25c_6 ₆ ☐ Other *(Specify)*

P25c_ot

d ☐ Don't know P25c_7 = "student council, activities/clubs"
P25c_8 = "business/marketing class or club"

25d. Who is responsible for the school store?

MARK ALL THAT APPLY

P25d_1 ₁ ☐ School food service

P25d_2 ₂ ☐ Principal

P25d_3 ₃ ☐ Athletic department

P25d_4 ₄ ☐ Other school department *(Specify)*

P25d_4ot

P25d_5 ₅ ☐ Other *(Specify)*

P25d_5ot

d ☐ Don't know

25e. Approximately how much net income does the school receive from the school store in total (per year, month, or week)?

P25e

$ _____ PER P25e_per

₁ ☐ Year

₂ ☐ Month

₃ ☐ Week

₄ ☐ Other *(Specify)*

P25e_ot

₀ ☐ No income received from school store

d ☐ Don't know

26. Outside of the food service area, do you have a school snack bar (that is, a place that prepares and serves foods but does not offer reimbursable meals)?

P26 ₁ ☐ Yes

₀ ☐ No → *Go to Q.27*

26a. What days of the week is the snack bar open?

MARK ALL THAT APPLY

P26a_1 ₁ ☐ Monday

P26a_2 ₂ ☐ Tuesday

P26a_3 ₃ ☐ Wednesday

P26a_4 ₄ ☐ Thursday

P26a_5 ₅ ☐ Friday

P26a_6 ₆ ☐ Various or no set schedule

26b. When is the snack bar usually open to students?

MARK ALL THAT APPLY

P26b_1 ₁ ☐ Before school

P26b_2 ₂ ☐ During school hours

P26b_3 ₃ ☐ During lunch period

P26b_4 ₄ ☐ After school

26c. Who receives the income from the snack bar?

MARK ALL THAT APPLY

P26c_1 1 ☐ School food service **only** → *Go to Q.27*

P26c_2 2 ☐ School food service with others

P26c_3 3 ☐ School

P26c_4 4 ☐ School and SFA jointly

P26c_5 5 ☐ Athletic department

P26c_6 6 ☐ Other *(Specify)*

P26c_ot

~~d ☐ Don't know~~

P26c_7 = "student council, clubs"
P26c_8 = "business/marketing class or club"

26d. Approximately how much net income does the school receive from the snack bar in total (per year, month, or week)?

P26d

$ _____ PER   P26d_per

1 ☐ Year

2 ☐ Month

3 ☐ Week

4 ☐ Other *(Specify)*

P26d_ot

0 ☐ No income received from snack bar

d ☐ Don't know

27. Not counting any sales in the food service area during lunch, how often do school organizations sell sweet or salty snacks as fundraisers?

P27 1 ☐ Every day

2 ☐ Three to four times a week

3 ☐ One to two times a week

4 ☐ Less than once per week

0 ☐ Never

d ☐ Don't know

27a. How often do school organizations sell pizza or other main entrée items during lunch?

P27a 1 ☐ Every day

2 ☐ Three to four times a week

3 ☐ One to two times a week

4 ☐ Less than once per week

0 ☐ Never

6 ☐ School district forbids organizations from selling food during lunch periods

d ☐ Don't know

AFTER-SCHOOL PROGRAM

Definition:

28. Does your school have an after-school program (a program that is operated at your school)?

P28 1 ☐ Yes

0 ☐ No → *Go to Q.31*

29. Who operates the after-school program at your school?

MARK ALL THAT APPLY

P29_1 1 ☐ School district

P29_2 2 ☐ School

P29_3 3 ☐ YMCA/YWCA

P29_4 4 ☐ Community action agency

P29_5 5 ☐ Parent/teacher organizations

P29_6 6 ☐ Church affiliated organizations

P29_7 7 ☐ Child care agency

P29_8 8 ☐ Community park/recreation department

P29_9 9 ☐ Other *(Specify)*

P29_ot

30. Does the after-school program serve snacks?

P30 1 ☐ Yes → *Go to Q.31*

0 ☐ No

30a. Why doesn't the after-school program serve snacks?

MARK ALL THAT APPLY

P30a_1 1 ☐ Parents weren't interested

P30a_2 2 ☐ Students weren't interested

P30a_3 3 ☐ Not allowed to serve food in the space used for the program

P30a_4 4 ☐ Too difficult to store/transport/serve food

P30a_5 5 ☐ No staff to manage snack program

P30a_6 6 ☐ Too expensive/reimbursement too low

P30a_7 7 ☐ Other *(Specify)*

P30a_ot

P30a_8 = "not enough time"
P30a_9 = "food not goal of program"

NUTRITION EDUCATION AND PROMOTION

31. Does your school participate in any of the following nutrition education programs?

MARK ALL THAT APPLY

P31_1 ₁ ☐ USDA Team Nutrition

P31_2 ₂ ☐ 5-A-Day

P31_3 ₃ ☐ Nutrition Curriculum

P31_4 ₄ ☐ Food Play

P31_5 ₅ ☐ American Heart Association

P31_6 ₆ ☐ American Cancer Society

P31_7 ₇ ☐ Cooperative Extension Service

P31_8 ₈ ☐ Other *(Specify)*

　　　P31_ot

P31_0 ₀ ☐ None of the above

　　ₔ ☐ Don't know

P31_9 = "linkage with hospital/university"
P31_10 = "nutrition education through health class or curricula"

32. At what grade levels do your students study nutrition?

P32 ₁ ☐ Every grade

　₂ ☐ Some grades

　₀ ☐ Not at all

　ₔ ☐ Don't know

32a. Is there a specific focus for nutrition education during this academic year?

P32a ₁ ☐ Yes

　₀ ☐ No ➔ *Go to Q.33*

32b. What is the focus this year?

　　P32b_1

　　P32b_2

　　P32b_3

33. Does your school have a wellness policy that addresses student nutrition and physical activity?

P33 ₁ ☐ Yes, school policy

　₂ ☐ Yes, district policy

　₃ ☐ Yes, state policy

　₀ ☐ No ➔ *Go to Q.33b*

33a. Please list the 3 most important elements of the policy.

　　P33a_1

　　P33a_2　　See attached sheet for constructed variables

　　P33a_3

33b. Does your school have a nutrition or health advisory council that addresses issues and concerns related to nutritional or physical activity?

P33b ₁ ☐ Yes

　₀ ☐ No ➔ *Go to Q.34*

33c. Who are the members of this council?

MARK ALL THAT APPLY

P33c_1 ₁ ☐ Students

P33c_2 ₂ ☐ Parents

P33c_3 ₃ ☐ Teachers

P33c_4 ₄ ☐ Administrators

P33c_5 ₅ ☐ Food service staff

P33c_6 ₆ ☐ School health staff

P33c_7 ₇ ☐ Community organization representatives

P33c_8 ₈ ☐ Other *(Specify)*

P33c_9 = "school board, district"　　　P33c_11 = "other school stuff"
P33c_10 = "counselors, social workers"　　P33c_12 = "local health professionals"

34. Whether or not your school offers breakfast, do you agree or disagree with the following statements?

MARK ONE ANSWER FOR EACH	Yes	No
Offering school breakfast leads to more students having an adequate breakfast……..	P34_1 ₁ ☐	₀ ☐
Offering school breakfast interferes with start of the school day………………………………	P34_2 ₁ ☐	₀ ☐
Offering school breakfast leads to better student attention levels………………………..	P34_3 ₁ ☐	₀ ☐
Offering school breakfast helps students to perform better academically………………….	P34_4 ₁ ☐	₀ ☐
Offering school breakfast reduces discipline problems………………………………………….	P34_5 ₁ ☐	₀ ☐
The school breakfast program serves all students who need it in this school…………..	P34_6 ₁ ☐	₀ ☐

35. Please use the back of this page to record any recommendations you might have for improving the school lunch and breakfast programs.

COMMENTS:

P35_1, P35_2, P35_3, P35_4, P35_5, P35_6
P35_7, P35_8, P35_9, P35_10

Thank you for taking the time to complete this survey. We greatly appreciate your assistance.

Thank you for completing this form. Please keep a copy of the completed form for your records. Please return the completed form in the business reply envelope provided. If you no longer have the envelope, please mail this completed form to:

Mathematica Policy Research, Inc.
Attn: Receipt Control – SNDA III Project 6096
P.O. Box 2393
Princeton, NJ   08543-2393

Constructed Data Elements for Principal Survey

p33a_1:
    p33a_1a='A: exercise, physical education'
    p33a_1b='B: standards concerning foods offered'
    p33a_1c='D: dont know'
    p33a_1d='E: other'
    p33a_1e='C: health and nutrition education'
    p33a_1f='F: physical education and nutrition'

p33a_2:
    p33a_2a='A: exercise, physical education'
    p33a_2b='B: standards concerning foods offered'
    p33a_2c='D: dont know'
    p33a_2d='E: other'
    p33a_2e='C: health and nutrition education'
    p33a_2f='F: physical education and nutrition'

p33a_3:
    p33a_3a='A: exercise, physical education'
    p33a_3b='B: standards concerning foods offered'
    p33a_3c='D: dont know'
    p33a_3d='E: other'
    p33a_3e='C: health and nutrition education'
    p33a_3f='F: physical education and nutrition';

School Nutrition Dietary Assessment Study

Food Service Manager Survey

Sponsored by:

U.S. Department of Agriculture
Food and Nutrition Service

INSTRUCTIONS

- This survey should be completed by the Food Service Manager.

- When completing the survey please use a black or blue pen, and write only in the spaces provided.

- Please answer all of the questions, except for those that are non-applicable, as indicated by the skip patterns.

- Unless questions specifically indicate that more than one answer may be given, please mark only one answer per question.

- If you have any questions regarding the study or completing the Food Service Manager survey, please do not hesitate to get in touch with Rhoda Cohen at 1-800-232-8024 or e-mail: rcohen@mathematica-mpr.com

The information you provide will be used only for statistical purposes. In accordance with the Confidential Information Protection and Statistical Efficiency Act of 2002, your responses will not be disclosed in identifiable form without your consent.

Participation is completely voluntary. Choosing not to participate will not affect your employment or your district's participation in school food programs in any way.

We thank you for your cooperation and participation in this very important study.

FOR ASSISTANCE CALL TOLL FREE: 1-800-232-8024

KITCHEN CHARACTERISTICS

1. Which of the following best describes your kitchen?

FSM_q1_1 ☐ An on-site kitchen where meals are prepared for serving only at the facility in which the kitchen is located

FSM_q1_2 ☐ A base kitchen where meals are prepared for serving on-site and for shipment to receiving kitchens

FSM_q1_3 ☐ A receiving or satellite kitchen which obtains partially prepared meals from either base or central kitchens

2a. Do you receive fully plated meals that are prepared off site?

FSM_q2a ☐ Yes → *Go to Q.4*

₀ ☐ No

2b. Do you receive chilled or frozen foods that need to be heated?

FSM_q2b ☐ Yes

₀ ☐ No

2c. Do you assemble or complete assembly of foods, such as sandwiches or desserts?

FSM_q2c ☐ Yes

₀ ☐ No

3. What other preparation is done in your kitchen for foods that are prepared off-site?

FSM_q3_1, FSM_q3_2, FSM_q3_3

FSM_q3_1A = "cook/prepare certain hot items from scratch"
FSM_q3_1B = "no additional preparation"
FSM_q3_1C = "bake, reheat, warm items"
FSM_q3_1D = "boil or fry items"
FSM_q3_1E = "wash and cut fruits/vegetables, prepare salad bar"
FSM_q3_2C = "bake, reheat, warm items"
FSM_q3_2D = "boil or fry items"
FSM_q3_2E = "wash and cut fruits/vegetables, prepare salad bar"
FSM_q3E = "wash and cut fruits/vegetables, prepare salad bar"

4. Are any vending machines located **in your food service area** (that is, the indoor area where reimbursable meals are served/eaten)?

FSM_q4 ☐ Yes

₀ ☐ No → *Go to Q.6*

4a. Who receives revenue or profit from these machines?

MARK ALL THAT APPLY

FSM_q4a_1 ☐ School food service department

FSM_q4a_2 ☐ School

FSM_q4a_3 ☐ Athletic department

FSM_q4a_4 ☐ Other school district department or fund

FSM_q4a_5 ☐ Other *(Specify)*
FSM_q4a_oth (specified)

d ☐ Don't know
FSM_q4a_6 = "student council, activities/clubs"

5a. Not counting machines that sell only milk, 100% juice, or water, when can students use **beverage** machines in the food service area?

MARK ALL THAT APPLY

FSM_5qa_1 ☐ No soft drink machines in food service area

FSM_q5a_2 ☐ Before school

FSM_q5a_3 ☐ During school hours, before lunch

FSM_q5a_4 ☐ During lunch

FSM_q5a_5 ☐ After lunch, before end of last regular class

FSM_q5a_6 ☐ After last regular class

FSM_q5a_7 ☐ Other *(Specify)*
FSM_q5a_oth (specified)

FSM_q5a_8 = "all day"

5b. When can students use **snack machines** or other machines containing **snack foods** in the food service area?

MARK ALL THAT APPLY

FSM_q5b_1 ☐ No machines with snack foods in food service area

FSM_q5b_2 ☐ Before school

FSM_q5b_3 ☐ During school hours, before lunch

FSM_q5b_4 ☐ During lunch

FSM_q5b_5 ☐ After lunch, before end of last regular class

FSM_q5b_6 ☐ After last regular class

FSM_q5b_7 ☐ Other *(Specify)*
FSM_q5b_oth

FSM_q5b_8 = "all day"

6. Approximately how much net income does the **school food service department** receive from vending machines anywhere in this school or on the school grounds (per year, month, or week)? Do not include any income that goes to the school or district.

$ [_____] PER [FSM_q6_per]

- 1 ☐ Year
- 2 ☐ Month
- 3 ☐ Week
- 4 ☐ No vending machines in school
- 5 ☐ Other *(Specify)*

[FSM_q6_oth (specified)]

- 0 ☐ No income to school food service from vending machines
- d ☐ Don't Know

MEAL PRICES

7. What is the price of a USDA-reimbursable <u>breakfast</u> for students who are classified as **reduced price**?

$ [FSM_q7_per]

7a. What is the price of a USDA-reimbursable <u>breakfast</u> for students who pay the **full price**? Record more than one answer if your school offers breakfast at different prices (for example, a higher price for larger portions or a discount for a weekly meal ticket).

$ [FSM_q7a_1] Standard full price

$ [FSM_q7a_2] Other full price *(Specify)*
[FSM_q7a_2oth]

$ [FSM_q7a_3] Other full price *(Specify)*
[FSM_q7a_3oth]

[FSM_q7a_2A = "adults/teachers"]

8. What is the price of a USDA-reimbursable <u>lunch</u> for students who pay the **reduced price**?

$ [FSM_q8_per]

8a. What is the price of a USDA-reimbursable <u>lunch</u> for students who pay the **full price**? Record more than one answer if your school offers lunch at different prices (for example, a higher price for larger portions or a discount for a weekly meal ticket).

$ [FSM_q8a_1] Standard full price

$ [FSM_q8a_2] Other full price *(Specify)*
[FSM_q8a_2oth]

$ [FSM_q8a_3] Other full price *(Specify)*
[FSM_q8a_3oth]

9. Do students ever receive a bonus item when they take a reimbursable lunch? This may be a food or beverage item that is not part of the reimbursable meal or a non-food item.

- 1 ☐ Never ➔ *Go to Q.11* [FSM_q9]
- 2 ☐ Sometimes
- 3 ☐ Usually

10. What type(s) of bonus items do students receive when they take a reimbursable lunch?

MARK ALL THAT APPLY

[FSM_q10_1] ☐ Drink
[FSM_q10_2] ☐ Food
[FSM_q10_3] ☐ Non-food item

MEAL COUNTING

11. Are you responding for a high school?

[FSM_q11]
- 1 ☐ Yes ➔ *Go to Q.15*
- 0 ☐ No

12. Do you use the offer-versus-serve option at <u>breakfast</u>?

[FSM_q12]
- 1 ☐ Yes, for all students ➔ *Go to Q.13*
- 2 ☐ Yes, for some students
- 0 ☐ No ⎯⎯⎯⎯➔ *Go to Q.13*
- 3 ☐ Do not offer breakfast ⎯⎯

12a. What grades are allowed to use offer-versus-serve at <u>breakfast</u>?

MARK ALL THAT APPLY

[FSM_q12a_1] ☐ K		[FSM_q12a_6] ☐ 5	
[FSM_q12a_2] ☐ 1		[FSM_q12a_7] ☐ 6	
[FSM_q12a_3] ☐ 2		[FSM_q12a_8] ☐ 7	
[FSM_q12a_4] ☐ 3		[FSM_q12a_9] ☐ 8	
[FSM_q12a_5] ☐ 4			

FSM_q8a_2A = "adults/teachers"
FSM_q8a_2C = "larger portion, extra entrée"

13. Do you use the offer-versus-serve option at <u>lunch</u>?

FSM_q13

  1 ☐ Yes, for all students ➞ *Go to Q.14*

  2 ☐ Yes, for some students

  0 ☐ No ➞ *Go to Q.14*

13a. What grades are allowed to use offer-versus-serve at lunch?

MARK ALL THAT APPLY

FSM_q13a_1	K	6 ☐ 5	FSM_q13a_6
FSM_q13a_2	1	7 ☐ 6	FSM_q13a_7
FSM_q13a_3	2	8 ☐ 7	FSM_q13a_8
FSM_q13a_4	3	9 ☐ 8	FSM_q13a_9
FSM_q13a_5	4		

14. Are different portion sizes available to different grade levels?

FSM_q14   ☐ Yes

  0 ☐ No

15. How are students who are eligible for free or reduced-price meals counted at the cashier?

MARK ALL THAT APPLY

FSM_q15_1 ☐ Coded tickets or tokens

FSM_q15_2 ☐ Cashier lists

FSM_q15_3 ☐ Personal ID numbers (PINs)

FSM_q15_4 ☐ Bar code/magnetic strip

FSM_q15_5 ☐ Coded identification cards

FSM_q15_6 ☐ Verbal identifications

FSM_q15_7 ☐ Other *(Specify)*
    FSM_q15_oth

FSM_q15_8 = "all students eat for free"
FSM_q15_9 = "recorded in POS, computer"
FSM_q15_10 = "Visual Identification"

MEAL PERIODS

16. How many minutes, on average, would you estimate a student spends in line to get breakfast?

    ☐☐ MINUTES   FSM_q16

  n.a. ☐ Don't offer breakfast

17. How many minutes, on average, would you estimate a student spends in line to get lunch? Do not count waiting for made- or cooked-to-order items.

    ☐☐ MINUTES   FSM_q17

18. Does your school have enough space to seat all students during each lunch period?

FSM_q18   ☐ Yes

  0 ☐ No

19. Does your school have enough serving lines or stations to serve lunch to students in the first half of each lunch period?

FSM_q19

  1 ☐ Yes

  0 ☐ No

20. What improvements, if any, would you like to see in the meal serving area or the space that is available for students to eat meals?

MARK ALL THAT APPLY

FSM_q20_0 ☐ No improvements need to be made

FSM_q20_1 ☐ More serving lines

FSM_q20_2 ☐ More space for seating

FSM_q20_3 ☐ Smaller tables

FSM_q20_4 ☐ More space between tables

FSM_q20_5 ☐ Renovate space-upgrade seating/lighting

FSM_q20_6 ☐ Improve color or décor

FSM_q20_7 ☐ More natural light

FSM_q20_8 ☐ Other *(Specify)*

_____

SPECIAL DIETARY NEEDS

21. About how many students that you currently serve have allergies or a special food need?

    ☐☐☐ STUDENTS   FSM_q21

  ☐ Don't Know ➞ *Go to Q.24*

22. What types of allergies or special needs do these students have?   See attached sheet for additional codes

MARK ALL THAT APPLY

FSM_q22_1 ☐ Allergy to peanuts

FSM_q22_2 ☐ Allergy to other nuts

FSM_q22_3 ☐ Lactose intolerance

FSM_q22_4 ☐ Allergy to eggs

FSM_q22_5 ☐ Allergy to soy

FSM_q22_6 ☐ Allergy to wheat

FSM_q22_7 ☐ Allergy to fish or shrimp

FSM_q22_8 ☐ Diabetes

FSM_q22_9 ☐ Vegetarian/vegan

FSM_q22_10 ☐ Low Carbohydrate

FSM_q22_11 ☐ Reduced Calories

FSM_q22_12 ☐ Low Fat

FSM_q22_13 ☐ Restrictions because of religious practices

FSM_q22_14 ☐ Other *(Specify)*

    FSM_q22_oth

23. What accommodations do you make for students with food allergies or other documented dietary needs?

MARK ALL THAT APPLY | See attached |

FSM_q23_1 ☐ Substitute component of meal
FSM_q23_2 ☐ Substitute whole meal
FSM_q23_3 ☐ Post notices about ingredients
FSM_q23_4 ☐ Provide separate eating area (for example, a "peanut-free" zone)
FSM_q23_5 ☐ Other *(Specify)*
| FSM_q23_oth |

NUTRITION PROMOTION/EDUCATION

24. Does your school routinely make information on the nutrient content of USDA-reimbursable meals available to students or parents?

FSM_q24 ☐ Yes

₀ ☐ No ➜ *Go to Q.25*

24a. How do you make nutritional information available to students or parents?

MARK ALL THAT APPLY | See attached |

FSM_q24a_1 ☐ Send menus/flyers home
FSM_q24a_2 ☐ Post information in school (e.g., on bulletin boards)
FSM_q24a_3 ☐ Post information online
FSM_q24a_4 ☐ Post information on TV
FSM_q24a_5 ☐ Post information in newspapers
FSM_q24a_6 ☐ Other *(Specify)*
| FSM_q24a_oth |

25. In the past 12 months, have you or anyone on your staff engaged in the following activities?

	Yes	No
a. Attended a PTA or other parent group meeting to discuss the school food service program................................. FSM_q25_a	₁ ☐	₀ ☐
b. Provided families with information about the school food service program .... FSM_q25_b	₁ ☐	₀ ☐
c. Invited family members to consume a school meal .... FSM_q25_c	₁ ☐	₀ ☐
d. Participated in a nutrition education activity in the classroom .... FSM_q25_d	₁ ☐	₀ ☐
e. Conducted a nutrition education activity in the food service area .... FSM_q25_e	₁ ☐	₀ ☐

26. Do you use any of the following ways to get feedback from students or parents about USDA reimbursable meals? | See attached |

MARK ALL THAT APPLY

FSM_q26_1 ☐ Surveys
FSM_q26_2 ☐ Suggestion box
FSM_q26_3 ☐ Bulletin board
FSM_q26_4 ☐ Web page
FSM_q26_5 ☐ Advisory council
FSM_q26_7 ☐ Other *(Specify)*
| FSM_q26_oth |
FSM_q26_0 ☐ None of the above

27. How long have you been a school kitchen manager?

| | | YEARS AND | | | MONTHS |
FSM_q27_yrs   FSM_q27_mths

28. What's the highest grade or year of schooling you have completed?

FSM_q28
₁ ☐ Less than high school
₂ ☐ High school
₃ ☐ Some college, no degree
₄ ☐ Associates degree
₅ ☐ Bachelor's degree
₆ ☐ Graduate degree

29. Which of the following credentials do you hold?

MARK ALL THAT APPLY

FSM_q29_1 ☐ Associates degree in consumer science, hotel/restaurant management, baking/culinary arts, etc.
FSM_q29_2 ☐ Bachelor's degree in consumer science, hotel/restaurantmanagement, culinary arts, etc.
FSM_q29_3 ☐ Licensed nutritionist
FSM_q29_4 ☐ Master's level nutritionist
FSM_q29_5 ☐ On the job training
FSM_q29_6 ☐ Registered Dietitian
FSM_q29_7 ☐ School Food Service and Nutrition Specialist (ASFSA certified)
FSM_q29_8 ☐ State food service certificate
FSM_q29_0 ☐ None of the above

30. What recommendations do you have on how to improve the school lunch and breakfast programs? *(Please write in space below)*   See attached

FSM_q30_1 _____

FSM_q30_2 _____

FSM_q30_3 _____

FSM_q30_4 _____

FSM_q30_5 _____

_____

Thank you for taking the time to complete this survey. Your cooperation is very much appreciated.

Thank you for completing this form. Please keep a copy of the completed form for your records. Please return the completed form in the business reply envelope provided. If you no longer have the envelope, please mail this completed form to:

Mathematica Policy Research, Inc.
Attn: Receipt Control – SNDA III Project 6096
P.O. Box 2393
Princeton, NJ   08543-2393

Constructed Data Elements for Food Managers Survey

```
*-----------------*;
*FSM_q20_oth *;
*-----------------*;
FSM_q20_9  ="9 : More Food Service Staff"
  FSM_q20_10 ="10: More Monitors"
  FSM_q20_11 ="11: Improve Checkout Efficiency"
  FSM_q20_12 ="12: Additional or upgraded kitchen/serving equipment"
  FSM_q20_13 ="13: More meal time, additional meal periods"
  FSM_q20_14 ="14: Larger Space Overall"
  FSM_q20_15 ="15: Larger Kitchen/Serving Space"
  FSM_q20_16 ="16: Other infrastructure improvements";

*----------------*;
*FSM_q22_oth *;
*-----------------*;
FSM_q22_A="A: Low Sodium"
    FSM_q22_B="B: Allergy to certain fruits, juices"
    FSM_q22_C="C: Allergy to corn"
    FSM_q22_D="D: Allergy to certain poultry"
    FSM_q22_E="E: Allergy to certain meats"
    FSM_q22_F="F: Allergy to food coloring"
    FSM_q22_G="G: Allergy to chocolate"
    FSM_q22_H="H: Food must be pureed or soft"
    FSM_q22_I="I: Allergy to tomatoes"
    FSM_q22_J="J: Other food allergies or deficiencies"
    FSM_q22_K="K: Non-food allergies";

*----------------*;
*FSM_q23_oth *;
*-----------------*;
FSM_q23_6="6: Remove food from menu planning"
  FSM_q23_7="7: Check-out staff monitor restrictions with lists, computer"
  FSM_q23_8="8: Other school staff monitor, educate students"
  FSM_q23_9="9: None, students self-select appropriate foods";

*-----------------*;
*FSM_q24a_oth *;
*------------------*;
FSM_q24a_7="7: Provide upon request"
  FSM_q24a_8 ="8: School Nurse"
  FSM_q24a_9 ="9: Radio, PSAs"
  FSM_q24a_10="10: Teachers, in class"
  FSM_q24a_11="11: Parent Handbook";

*----------------*;
*FSM_q26_oth *;
*----------------*;
```

FSM_q26_8 ="8 : Telephone"
 FSM_q26_9 ="9 : Taste Tests"
 FSM_q26_10="10: Speak with students"
 FSM_q26_11="11: Parent meetings"
 FSM_q26_12="12: School newsletter, newspaper, or announcements";

------------;
*FSMq30   *;
------------;

   fsmq30_A="A: None, pleased with meal programs"
   fsmq30_B="B: More time for meals"
   fsmq30_C="C: More variety to menu"
   fsmq30_D="D: More healthy options"
   fsmq30_E="E: Additional and/or better qualified staff"
   fsmq30_F="F: More funding"
   fsmq30_G="G: Less regulations on purchasing, paperwork, foods offered"
   fsmq30_H="H: Eliminate vending machines, high sugar/fat a la carte items"
   fsmq30_I="I: More nutrition education, including promoting healthy choices at home"
   fsmq30_J="J: Better food service equipment, more space"
   fsmq30_K="K: Get students' input on menu"
   fsmq30_L="L: Get higher quality, better tasting commodities"
   fsmq30_M="M: Eliminate reduced category and make all meals free"
   fsmq30_N="N: Add or expand breakfast program"
   fsmq30_Oth="Oth: Other";

DAILY MEAL COUNTS FORM

School Name:_____   **Date:**_____

Instructions:

1. In the boxes for **Reimbursable Lunches** and **Reimbursable Breakfasts**, please record the **number of USDA free, reduced-price,** and **full-price** *reimbursable meals* **served** in your school each day of the target week. Do *not* include meals for which you do not claim reimbursement, for example, second lunches sold to students on an a la carte basis.

2. Check if the number of reimbursable meals was much higher or lower than usual. If so, describe the reasons for this difference in the space provided.

3. At the bottom of the page, please record the total value of your a la carte sales for each day of the target week.

Number of Reimbursable Lunches Served					
Day of Week	**USDA Free**	**USDA Reduced-Price**	**Full-Price**	*FOR OFFICE USE ONLY*	**Please check if the number of reimbursable lunches served this day was much higher or lower than usual.**
Monday	mon_luf_rate	mon_lurp_rate	mon_lfp_rate		☐ ➜ Reason:_____
Tuesday	tue_luf_rate	tue_lurp_rate	tue_lfp_rate		☐ ➜ Reason:_____
Wednesday	wed_luf_rate	wed_lurp_rate	wed_lfp_rate		☐ ➜ Reason:_____
Thursday	thu_luf_rate	thu_lurp_rate	thu_lfp_rate		☐ ➜ Reason:_____
Friday	fri_luf_rate	fri_lurp_rate	fri_lfp_rate		☐ ➜ Reason:_____

Number of Reimbursable Breakfasts Served					
Day of Week	**USDA Free**	**USDA Reduced-Price**	**Full-Price**	*FOR OFFICE USE ONLY*	**Please check if the number of reimbursable breakfasts served this day was much higher or lower than usual.**
Monday	mon_buf_rate	mon_burp_rate	mon_bfp_rate		☐ ➜ Reason:_____
Tuesday	tue_buf_rate	tue_burp_rate	tue_bfp_rate		☐ ➜ Reason:_____
Wednesday	wed_buf_rate	wed_burp_rate	wed_bfp_rate		☐ ➜ Reason:_____
Thursday	thu_buf_rate	thu_burp_rate	thu_bfp_rate		☐ ➜ Reason:_____
Friday	fri_buf_rate	fri_burp_rate	fri_bfp_rate		☐ ➜ Reason:_____

Total Daily A La Carte Sales	
Monday	$___ Tcs_mon_rate
Tuesday	$___ Tcs_tue_rate
Wednesday	$___ Tcs_wed_rate
Thursday	$___ Tcs_thu_rate
Friday	$___ Tcs_fri_rate

All variables were calculated as rates to protect confidentiality.

Prepared by Mathematica Policy Research, Inc.

SCHOOL NUTRITION DIETARY ASSESSMENT STUDY

Other On-Campus Food Sources Checklist

School Name: namesch   **School MPR ID:** mprid

Interviewer ID #: interver

Date: remo / rd_day

Instructions: 1. Please check the location of on-campus food sources available to students. Do not include vending machines.

Food Source	Number in school or on school grounds	Location of Alternative Food Source			
		In food service area	Adjacent to food service area (within 20 feet)	Elsewhere in school building	Outside of school building
a. School Store L_1a (NOTE: Sells items but does not prepare food.)	0 ☐ None	1 ☐	2 ☐	3 ☐	4 ☐
b. Snack Bar Outside Food Service Area L_1b (NOTE: Include only snack bars that prepare some food to order.)	0 ☐ None		2 ☐	3 ☐	4 ☐
c. Food Cart Outside Food Service Area L_1c	0 ☐ None		2 ☐	3 ☐	4 ☐
d. Other (Specify) L_1d ___ L_1doth ___	0 ☐ None	1 ☐	2 ☐	3 ☐	4 ☐

ofs_yes

1 if there is other on-campus food source
0 if there is no other on-campus food source

Instructions: 2. Please check the hours of operation for each food source available to students. Do not include vending machines.

Food Source	Hours of Operation (CHECK ALL THAT APPLY)							
	Not Available to Students	Before Bkfst	During Bkfst	After Bkfst and Before Classes Start	After Classes Start and Before Lunch	During Lunch	After Lunch and Before Classes End	After Last Class
a. School Store (NOTE: Sells items but does not prepare food.)	n.a. ☐ h_2a_na	1 ☐ h_2a_1	2 ☐ h_2a_2	3 ☐ h_2a_3	4 ☐ h_2a_4	5 ☐ h_2a_5	6 ☐ h_2a_6	7 ☐ h_2a_7
b. Snack Bar Outside Food Service Area (NOTE: Include only snack bars that prepare some food to order.)	n.a. ☐ h_2b_na	1 ☐ h_2b_1	2 ☐ h_2b_2	3 ☐ h_2b_3	4 ☐ h_2b_4	5 ☐ h_2b_5	6 ☐ h_2b_6	7 ☐ h_2b_7
c. Food Cart Outside Food Service Area	h_2c_na	h_2c_1	h_2c_2	h_2c_3	h_2c_4	h_2c_5	h_2c_6	h_2c_7
d. Other (Specify) h_2d_oth	n.a. ☐ h_2d_na	1 ☐ h_2d_1	2 ☐ h_2d_2	3 ☐ h_2d_3	4 ☐ h_2d_4	5 ☐ h_2d_5	6 ☐ h_2d_6	7 ☐ h_2d_7

Instructions: 3. Place a check mark in the box corresponding to each food and/or beverage item sold at each source.

Availability of Food Item in Other Food Sources
(PLEASE CHECK ITEMS AVAILABLE FROM EACH SOURCE)

Food Items	School Store	Snack Bar	Food Cart	Other (Specify) o_oth
A. Beverages				
Carbonated Sweetened Soft Drink	ss_a1 1 ☐	sb_a1 1 ☐	fc_a1 1 ☐	o_a1 1 ☐
Carbonated Diet Soft Drink	ss_a2 2 ☐	sb_a2 2 ☐	fc_a2 2 ☐	o_a2 2 ☐
Juice (100% Juice)	ss_a3 3 ☐	sb_a3 3 ☐	fc_a3 3 ☐	o_a3 3 ☐
Juice Drinks (Cranberry Drink, Fruit Blends, Hi-C, Lemonade, Punch)	ss_a4 4 ☐	sb_a4 4 ☐	fc_a4 4 ☐	o_a4 4 ☐
Water (Spring Water, Flavored Water, Sparkling Water, Mineral Water, Seltzer Water)	ss_a5 5 ☐	sb_a5 5 ☐	fc_a5 5 ☐	o_a5 5 ☐
Water (Water with Juice)	ss_a6 6 ☐	sb_a6 6 ☐	fc_a6 6 ☐	o_a6 6 ☐
Coffee	ss_a7 7 ☐	sb_a7 7 ☐	fc_a7 7 ☐	o_a7 7 ☐
Tea	ss_a8 8 ☐	sb_a8 8 ☐	fc_a8 8 ☐	o_a8 8 ☐
Hot Chocolate	ss_a9 9 ☐	sb_a9 9 ☐	fc_a9 9 ☐	o_a9 9 ☐
Yogurt Drinks	ss_a10 10 ☐	sb_a10 10 ☐	fc_a10 10 ☐	o_a10 10 ☐
Energy and Sports Drinks (Gatorade, Powerade, Red Bull)	ss_a11 11 ☐	sb_a11 11 ☐	fc_a11 11 ☐	o_a11 11 ☐
Other Beverage (Specify)	ss_a12 12 ☐ ss_a12_o	sb_a12 12 ☐ sb_a12_o	fc_a12 12 ☐ fc_a12_o	o_a12 12 ☐ o_a12_o
B. Dairy				
Whole Milk	ss_b13 13 ☐	sb_b13 13 ☐	fc_b13 13 ☐	o_b13 13 ☐
Reduced Fat (2%) White Milk	ss_b14 14 ☐	sb_b14 14 ☐	fc_b14 14 ☐	o_b14 14 ☐
Low Fat (1%) White Milk	ss_b15 15 ☐	sb_b15 15 ☐	fc_b15 15 ☐	o_b15 15 ☐
Fat-Free Milk	ss_b16 16 ☐	sb_b16 16 ☐	fc_b16 16 ☐	o_b16 16 ☐
Flavored Milk	ss_b17 17 ☐	sb_b17 17 ☐	fc_b17 17 ☐	o_b17 17 ☐
Yogurt	ss_b18 18 ☐	sb_b18 18 ☐	fc_b18 18 ☐	o_b18 18 ☐
Cheese	ss_b19 19 ☐	sb_b19 19 ☐	fc_b19 19 ☐	o_b19 19 ☐
C. Baked Goods – Dessert				
Cake-Type (Brownies, Cupcakes, Twinkies)	ss_c20 20 ☐	sb_c20 20 ☐	fc_c20 20 ☐	o_c20 20 ☐
Cake-Type (Low-Fat/Reduced-Fat Brownies, Cupcakes, Twinkies)	ss_c21 21 ☐	sb_c21 21 ☐	fc_c21 21 ☐	o_c21 21 ☐
Cookies	ss_c22 22 ☐	sb_c22 22 ☐	fc_c22 22 ☐	o_c22 22 ☐
Cookies (Low-Fat/Reduced-Fat)	ss_c23 23 ☐	sb_c23 23 ☐	fc_c23 23 ☐	o_c23 23 ☐
Pastries (Pies, Turnovers)	ss_c24 24 ☐	sb_c24 24 ☐	fc_c24 24 ☐	o_c24 24 ☐
Other (Specify)	ss_c25 25 ☐ ss_c25_o	sb_c25 25 ☐ sb_c25_o	fc_c25 25 ☐ fc_c25_o	o_c25 25 ☐ o_c25_o
D. Bread Or Grain Products				
Regular Bread (Bread, Rolls, Bagels)	ss_d26 26 ☐	sb_d26 26 ☐	fc_d26 26 ☐	o_d26 26 ☐
Other Bread (Biscuits, Croissants, Hot Pretzels)	ss_d27 27 ☐	sb_d27 27 ☐	fc_d27 27 ☐	o_d27 27 ☐
Muffins	ss_d28 28 ☐	sb_d28 28 ☐	fc_d28 28 ☐	o_d28 28 ☐
Muffins (Low-Fat/Reduced-Fat)	ss_d29 29 ☐	sb_d29 29 ☐	fc_d29 29 ☐	o_d29 29 ☐
Granola Bars	ss_d30 30 ☐	sb_d30 30 ☐	fc_d30 30 ☐	o_d30 30 ☐
Granola Bars (Low-Fat/Reduced-Fat)	ss_d31 31 ☐	sb_d31 31 ☐	fc_d31 31 ☐	o_d31 31 ☐
Pretzels	ss_d32 32 ☐	sb_d32 32 ☐	fc_d32 32 ☐	o_d32 32 ☐
Crackers/Cracker Sandwiches: Peanut Butter	ss_d33 33 ☐	sb_d33 33 ☐	fc_d33 33 ☐	o_d33 33 ☐
Crackers/Cracker Sandwiches: Cheese	ss_d34 34 ☐	sb_d34 34 ☐	fc_d34 34 ☐	o_d34 34 ☐
Cereal/Cereal Bars	ss_d35 35 ☐	sb_d35 35 ☐	fc_d35 35 ☐	o_d35 35 ☐
Other (Specify)	ss_d36 36 ☐ ss_d36_o	sb_d36 36 ☐ sb_d36_o	fc_d36 36 ☐ fc_d36_o	o_d36 36 ☐ o_d36_o

Availability of Food Item in Other Food Sources
(PLEASE CHECK ITEMS AVAILABLE FROM EACH SOURCE)

Food Items	School Store	Snack Bar	Food Cart	Other (Specify) o_oth
E. Frozen Desserts				
Frozen Non-Dairy (Fruit Bars, Jello Pops, Popsicles)	ss_e37 37 ☐	sb_e37 37 ☐	fc_e37 37 ☐	o_e37 37 ☐
Ice Cream (Bars, Cups, Fudgesicles, Sundaes)	ss_e38 38 ☐	sb_e38 38 ☐	fc_e38 38 ☐	o_e38 38 ☐
Low-Fat Frozen Desserts (Frozen Yogurt, Ice Milk, Sherbet)	ss_e39 39 ☐	sb_e39 39 ☐	fc_e39 39 ☐	o_e39 39 ☐
Milkshakes/Smoothies	ss_e40 40 ☐	sb_e40 40 ☐	fc_e40 40 ☐	o_e40 40 ☐
F. Fruit And Vegetables				
Canned, Cooked Fruit	ss_f41 41 ☐	sb_f41 41 ☐	fc_f41 41 ☐	o_f41 41 ☐
Fresh Fruit	ss_f42 42 ☐	sb_f42 42 ☐	fc_f42 42 ☐	o_f42 42 ☐
Fruit Salad (☐ Fresh/☐ Canned)	ss_f43 43 ☐	sb_f43 43 ☐	fc_f43 43 ☐	o_f43 43 ☐
Dried Fruit	ss_f44 44 ☐	sb_f44 44 ☐	fc_f44 44 ☐	o_f44 44 ☐
Vegetables, Side Salad	ss_f45 45 ☐	sb_f45 45 ☐	fc_f45 45 ☐	o_f45 45 ☐
Other Fresh Vegetables	ss_f46 46 ☐	sb_f46 46 ☐	fc_f46 46 ☐	o_f46 46 ☐
G. Snacks				
Chips (Corn, Potato, Puffed Cheese, Tortilla)	ss_g47 47 ☐	sb_g47 47 ☐	fc_g47 47 ☐	o_g47 47 ☐
Chips (Lower-Fat/Reduced-Fat Corn, Potato, Puffed Cheese, Tortilla)	ss_g48 48 ☐	sb_g48 48 ☐	fc_g48 48 ☐	o_g48 48 ☐
Nuts And Seeds (Almonds, Peanuts, Sunflower Seeds, Trail Mix)	ss_g49 49 ☐	sb_g49 49 ☐	fc_g49 49 ☐	o_g49 49 ☐
Fruit Roll-Up	ss_g50 50 ☐	sb_g50 50 ☐	fc_g50 50 ☐	o_g50 50 ☐
Popcorn	ss_g51 51 ☐	sb_g51 51 ☐	fc_g51 51 ☐	o_g51 51 ☐
Meat Snacks (Jerky, Pork Rinds)	ss_g52 52 ☐	sb_g52 52 ☐	fc_g52 52 ☐	o_g52 52 ☐
Candy With Chocolate	ss_g53 53 ☐	sb_g53 53 ☐	fc_g53 53 ☐	o_g53 53 ☐
Candy Without Chocolate	ss_g54 54 ☐	sb_g54 54 ☐	fc_g54 54 ☐	o_g54 54 ☐
Energy Bars (Balance Bars, Luna Bars, Power Bars)	ss_g55 55 ☐	sb_g55 55 ☐	fc_g55 55 ☐	o_g55 55 ☐
Other (Specify)	ss_g56 56 ☐ ss_g56_o	sb_g56 56 ☐ sb_g56_o	fc_g56 56 ☐ fc_g56_o	o_g56 56 ☐ o_g56_o
H. Prepared / Pre-Prepared Entrees And Food				
Hot Dogs	ss_h57 57 ☐	sb_h57 57 ☐	fc_h57 57 ☐	o_h57 57 ☐
Hamburgers or Cheeseburgers	ss_h58 58 ☐	sb_h58 58 ☐	fc_h58 58 ☐	o_h58 58 ☐
Veggie Burgers	ss_h59 59 ☐	sb_h59 59 ☐	fc_h59 59 ☐	o_h59 59 ☐
Grilled Sandwiches	ss_h60 60 ☐	sb_h60 60 ☐	fc_h60 60 ☐	o_h60 60 ☐
Cold Sandwiches	ss_h61 61 ☐	sb_h61 61 ☐	fc_h61 61 ☐	o_h61 61 ☐
Burritos	ss_h62 62 ☐	sb_h62 62 ☐	fc_h62 62 ☐	o_h62 62 ☐
Taco	ss_h63 63 ☐	sb_h63 63 ☐	fc_h63 63 ☐	o_h63 63 ☐
Meal-Size Salad	ss_h64 64 ☐	sb_h64 64 ☐	fc_h64 64 ☐	o_h64 64 ☐
Pizza	ss_h65 65 ☐	sb_h65 65 ☐	fc_h65 65 ☐	o_h65 65 ☐
Pasta	ss_h66 66 ☐	sb_h66 66 ☐	fc_h66 66 ☐	o_h66 66 ☐
French Fries	ss_h67 67 ☐	sb_h67 67 ☐	fc_h67 67 ☐	o_h67 67 ☐
Onion Rings	ss_h68 68 ☐	sb_h68 68 ☐	fc_h68 68 ☐	o_h68 68 ☐
Mozzarella Sticks	ss_h69 69 ☐	sb_h69 69 ☐	fc_h69 69 ☐	o_h69 69 ☐
Other (Specify)	ss_h70 70 ☐ ss_h70_o	sb_h70 70 ☐ sb_h70_o	fc_h70 70 ☐ fc_h70_o	o_h70 70 ☐ o_h70_o

Food Items

	Availability of Food Item in Other Food Sources			
	(PLEASE CHECK ITEMS AVAILABLE FROM EACH SOURCE)			
	School Store	**Snack Bar**	**Food Cart**	**Other** *(Specify)* o_oth

I. Other *(Spe* ss_i71_o/ sb_i71_o/ fc_i71_o/ o_i71_o

Food Items	School Store		Snack Bar		Food Cart		Other	
ss_i71_o/ sb_i71_o/ fc_i71_o/ o_i71_o	ss_i71	71 ☐	sb_i71	71 ☐	fc_i71	1 ☐	o_i71	71 ☐
ss_i72_o/ sb_i72_o/ fc_i72_o/ o_i72_o	ss_i72	72 ☐	sb_i72	72 ☐	fc_i72	2 ☐	o_i72	72 ☐
ss_i73_o/ sb_i73_o/ fc_i73_o/ o_i73_o	ss_i73	73 ☐	sb_i73	73 ☐	fc_i73	3 ☐	o_i73	73 ☐
ss_i74_o/ sb_i74_o/ fc_i74_o/ o_i74_o	ss_i74	74 ☐	sb_i74	74 ☐	fc_i74	4 ☐	o_i74	74 ☐
ss_i75_o/ sb_i75_o/ fc_i75_o/ o_i75_o	ss_i75	75 ☐	sb_i75	75 ☐	fc_i75	5 ☐	o_i75	75 ☐
ss_i76_o/ sb_i76_o/ fc_i76_o/ o_i76_o	ss_i76	76 ☐	sb_i76	76 ☐	fc_i76	6 ☐	o_i76	76 ☐
ss_i77_o/ sb_i77_o/ fc_i77_o/ o_i77_o	ss_i77	77 ☐	sb_i77	77 ☐	fc_i77	7 ☐	o_i77	77 ☐
ss_i78_o/ sb_i78_o/ fc_i78_o/ o_i78_o	ss_i78	78 ☐	sb_i78	78 ☐	fc_i78	8 ☐	o_i78	78 ☐

(REV—10/1/04)

SCHOOL NUTRITION DIETARY ASSESSMENT STUDY

Vending Machine Checklist

School Name: **School MPR ID:**

Interviewer ID #:

Date:

Instructions: 1. Please record the number of each type of vending machine available to students by location of machines.

Type of Vending Machine	Location of Vending Machines (PLEASE RECORD NUMBER OF MACHINES)			
	In food service area	Adjacent to food service area (within 20 feet)	Elsewhere in school building	Outside of school building
a. Milk only	A_FSA	A_AFSA	A_ESB	A_OSB
b. Water only	B_FSA	B_AFSA	B_ESB	B_OSB
c. Milk with juice/water (no soft drinks)	C_FSA	C_AFSA	C_ESB	C_OSB
d. Water with juice (no soft drinks)	D_FSA	D_AFSA	D_ESB	D_OSB
e. Non-carbonated soft drinks with or without water/milk	E_FSA	E_AFSA	E_ESB	E_OSB
f. Carbonated soft drinks with or without water	F_FSA	F_AFSA	F_ESB	F_OSB
g. Snacks/candy/cookies	G_FSA	G_AFSA	G_ESB	G_OSB
h. Entrees, non-refrigerated	H_FSA	H_AFSA	H_ESB	H_OSB
i. Frozen foods	I_FSA	I_AFSA	I_ESB	I_OSB
j. Combination *(Specify)* j_oth	J_FSA	J_AFSA	J_ESB	J_OSB
k. Combination *(Specify)* k_oth	K_FSA	K_AFSA	K_ESB	K_OSB
l. Combination *(Specify)* l_oth	L_FSA	L_AFSA	L_ESB	L_OSB
m. Combination *(Specify)* m_oth	M_FSA	M_AFSA	M_ESB	M_OSB
n. Other *(Specify)* n_oth	N_FSA	N_AFSA	N_ESB	N_OSB
o. Other *(Specify)* o_oth	O_FSA	O_AFSA	O_ESB	O_OSB
p. Other *(Specify)* p_oth	P_FSA	P_AFSA	P_ESB	P_OSB

Instructions: 2. Place a check mark in the box corresponding to each food and/or beverage item sold in vending machines by location of machines.

Availability of Food Item in Vending Machines
(PLEASE CHECK ALL THAT APPLY)

Food Items	In food service area	Adjacent to food service area (within 20 feet)	Elsewhere in school building	Outside of school building
A. Beverages				
Carbonated Sweetened Soft Drink	FS_A1 1 ☐	AS_A1 1 ☐	ES_A1 1 ☐	OS_A1 1 ☐
Carbonated Diet Soft Drink	FS_A2 2 ☐	AS_A2 2 ☐	ES_A2 2 ☐	OS_A2 2 ☐
Juice (100% Juice)	FS_A3 3 ☐	AS_A3 3 ☐	ES_A3 3 ☐	OS_A3 3 ☐
Juice Drinks (Cranberry Drink, Fruit Blends, Hi-C, Lemonade, Punch)	FS_A4 4 ☐	AS_A4 4 ☐	ES_A4 4 ☐	OS_A4 4 ☐
Water (Spring Water, Flavored Water, Sparkling Water, Mineral Water, Seltzer Water)	FS_A5 5 ☐	AS_A5 5 ☐	ES_A5 5 ☐	OS_A5 5 ☐
Water (Water with Juice)	FS_A6 6 ☐	AS_A6 6 ☐	ES_A6 6 ☐	ES_A6 6 ☐
Coffee	FS_A7 7 ☐	AS_A7 7 ☐	ES_A7 7 ☐	OS_A7 7 ☐
Tea	FS_A8 8 ☐	AS_A8 8 ☐	ES_A8 8 ☐	OS_A8 8 ☐
Hot Chocolate	FS_A9 9 ☐	AS_A9 9 ☐	ES_A9 9 ☐	OS_A9 9 ☐
Yogurt Drinks	FS_A10 10 ☐	AS_A10 10 ☐	ES_A10 10 ☐	OS_A10 10 ☐
Energy and Sports Drinks (Gatorade, Powerade, Red Bull)	FS_A11 11 ☐	AS_A11 11 ☐	ES_A11 11 ☐	OS_A11 11 ☐
Other Beverage (Specify)	FS_A12 12 ☐	AS_A12 12 ☐	ES_A12 12 ☐	OS_A12 12 ☐
	FS_A12_O	AS_A12_O	ES_A12_O	OS_A12_O
B. Dairy				
Whole Milk	FS_B13 13 ☐	AS_B13 13 ☐	ES_B13 13 ☐	OS_B13 13 ☐
Reduced Fat (2%) White Milk	FS_B14 14 ☐	AS_B14 14 ☐	ES_B14 14 ☐	OS_B14 14 ☐
Low Fat (1%) White Milk	FS_B15 15 ☐	AS_B15 15 ☐	ES_B15 15 ☐	OS_B15 15 ☐
Fat-Free Milk	FS_B16 16 ☐	AS_B16 16 ☐	ES_B16 16 ☐	OS_B16 16 ☐
Flavored Milk	FS_B17 17 ☐	AS_B17 17 ☐	ES_B17 17 ☐	OS_B17 17 ☐
Yogurt	FS_B18 18 ☐	AS_B18 18 ☐	ES_B18 18 ☐	OS_B18 18 ☐
Cheese	FS_B19 19 ☐	AS_B19 19 ☐	ES_B19 19 ☐	OS_B19 19 ☐
C. Baked Goods – Dessert				
Cake-Type (Brownies, Cupcakes, Twinkies)	FS_C20 20 ☐	AS_C20 20 ☐	ES_C20 ☐	OS_C20 20 ☐
Cake-Type (Low-Fat/Reduced-Fat Brownies, Cupcakes, Twinkies)	FS_C21 21 ☐	AS_C21 21 ☐	ES_C21 ☐	OS_C21 21 ☐
Cookies	FS_C22 22 ☐	AS_C22 22 ☐	ES_C22 ☐	OS_C22 22 ☐
Cookies (Low-Fat/Reduced-Fat)	FS_C23 23 ☐	AS_C23 23 ☐	ES_C23 ☐	OS_C23 23 ☐
Pastries (Pies, Turnovers)	FS_C24 24 ☐	AS_C24 24 ☐	ES_C24 ☐	OS_C24 24 ☐
Other (Specify)	FS_C25 25 ☐	AS_C25 25 ☐	ES_C25 ☐	OS_C25 25 ☐
	FS_C25_O	AS_C25_O	ES_C25_O	OS_C25_O
D. Bread Or Grain Products				
Regular Bread (Bread, Rolls, Bagels)	FS_D26 26 ☐	AS_D26 26 ☐	ES_D26 ☐	OS_D26 26 ☐
Other Bread (Biscuits, Croissants, Hot Pretzels)	FS_D27 27 ☐	AS_D27 27 ☐	ES_D27 ☐	OS_D27 27 ☐
Muffins	FS_D28 28 ☐	AS_D28 28 ☐	ES_D28 ☐	OS_D28 28 ☐
Muffins (Low-Fat/Reduced-Fat)	FS_D29 29 ☐	AS_D29 29 ☐	ES_D29 ☐	OS_D29 29 ☐
Granola Bars	FS_D30 30 ☐	AS_D30 30 ☐	ES_D30 ☐	OS_D30 30 ☐
Granola Bars (Low-Fat/Reduced-Fat)	FS_D31 31 ☐	AS_D31 31 ☐	ES_D31 ☐	OS_D31 31 ☐
Pretzels	FS_D32 32 ☐	AS_D32 32 ☐	ES_D32 ☐	OS_D32 32 ☐
Crackers/Cracker Sandwiches: ☐Peanut Butter ☐Cheese	FS_D33 33 ☐	AS_D33 33 ☐	ES_D33 ☐	OS_D33 33 ☐
	FS_D34 34 ☐	AS_D34 34 ☐	ES_D34 ☐	OS_D34 34 ☐
Cereal/Cereal Bars	FS_D35 35 ☐	AS_D35 35 ☐	ES_D35 ☐	OS_D35 35 ☐
Other (Specify)	FS_D36 36 ☐	AS_D36 36 ☐	ES_D36 ☐	OS_D36 36 ☐
	FS_D36_O	AS_D36_O	ES_D36_O	OS_D36_O
	FS_D33PB	AS_D33PB	ES_D33PB	OS_D33P
	FS_D34C	AS_D34C	ES_D34C	OS_D34C

Availability of Food Item in Vending Machines
(PLEASE CHECK ALL THAT APPLY)

Food Items	In food service area	Adjacent to food service area (within 20 feet)	Elsewhere in school building	Outside of school building
E. Frozen Desserts				
Frozen Non-Dairy (Fruit Bars, Jello Pops, Popsicles)	FS_E37 ☐	AS_E37 ☐	ES_E37 ☐	OS_E37 ☐
Ice Cream (Bars, Cups, Fudgesicles, Sundaes)	FS_E37 ☐	AS_E37 ☐	ES_E37 ☐	OS_E37 ☐
Low-Fat Frozen Desserts (Frozen Yogurt, Ice Milk, Sherbet)	FS_E38 ☐	AS_E38 ☐	ES_E38 ☐	OS_E38 ☐
Milkshakes/Smoothies	FS_E39 ☐ FS_E40	AS_E39 ☐ AS_E40	ES_E39 ☐ ES_E40	OS_E39 ☐ OS_E40
F. Fruit And Vegetables				
Canned, Cooked Fruit	FS_F41 ☐	AS_F41 ☐	ES_F41 ☐	OS_F41 ☐
Fresh Fruit	FS_F42 ☐	AS_F42 ☐	ES_F42 ☐	OS_F42 ☐
Fruit Salad (☐ Fresh/☐ Canned)	FS_F43 ☐	AS_F43 ☐	ES_F43 ☐	OS_F43 ☐
Dried Fruit	FS_F44 ☐	AS_F44 ☐	ES_F44 ☐	OS_F44 ☐
Vegetables, Side Salad	FS_F45 ☐	AS_F45 ☐	ES_F45 ☐	OS_F45 ☐
Other Fresh Vegetables	FS_F46 ☐	AS_F46 ☐	ES_F46 ☐	OS_F46 ☐
G. Snacks				
Chips (Corn, Potato, Puffed Cheese, Tortilla)	FS_G47 ☐	AS_G47 ☐	ES_G47 ☐	OS_G47 ☐
Chips (Lower-Fat/Reduced-Fat Corn, Potato, Puffed Cheese, Tortilla)	FS_G48 ☐	AS_G48 ☐	ES_G48 ☐	OS_G48 ☐
Nuts And Seeds (Almonds, Peanuts, Sunflower Seeds, Trail Mix)	FS_G49 ☐	AS_G49 ☐	ES_G49 ☐	OS_G49 ☐
Fruit Roll-Up	FS_G50 ☐	AS_G50 ☐	ES_G50 ☐	OS_G50 ☐
Popcorn	FS_G51 ☐	AS_G51 ☐	ES_G51 ☐	OS_G51 ☐
Meat Snacks (Jerky, Pork Rinds)	FS_G52 ☐	AS_G52 ☐	ES_G52 ☐	OS_G52 ☐
Candy With Chocolate	FS_G53 ☐	AS_G53 ☐	ES_G53 ☐	OS_G53 ☐
Candy Without Chocolate	FS_G54 ☐	AS_G54 ☐	ES_G54 ☐	OS_G54 ☐
Energy Bars (Balance Bars, Luna Bars, Power Bars)	FS_G55 ☐	AS_G55 ☐	ES_G55 ☐	OS_G55 ☐
Other *(Specify)*	FS_G56 ☐ FS_G56_O	AS_G56 ☐ AS_G56_O	ES_G56 ☐ ES_G56_O	OS_G56 ☐ OS_G56_O
H. Other (*Specify*)	57 ☐	57 ☐	57 ☐	57 ☐
_____	FS_H58 ☐	AS_H58 ☐	ES_H58 ☐	OS_H58 ☐
_____	FS_H59 ☐	AS_H59 ☐	ES_H59 ☐	OS_H59 ☐
_____	FS_H60 ☐	AS_H60 ☐	ES_H60 ☐	OS_H60 ☐
_____	FS_H61 ☐	AS_H61 ☐	ES_H61 ☐	OS_H61 ☐
_____	FS_H62 ☐	AS_H62 ☐	ES_H62 ☐	OS_H62 ☐
_____	FS_H63 ☐	AS_H63 ☐	ES_H63 ☐	OS_H63 ☐
_____	FS_H64 ☐	AS_H64 ☐	ES_H64 ☐	OS_H64 ☐

FS_H58_O	AS_H58_O	ES_H58_O	OS_H58_O
FS_H59_O	AS_H59_O	ES_H59_O	OS_H59_O
FS_H60_O	AS_H60_O	ES_H60_O	OS_H60_O
FS_H61_O	AS_H61_O	ES_H61_O	OS_H61_O
FS_H62_O	AS_H62_O	ES_H62_O	OS_H62_O
FS_H63_O	AS_H63_O	ES_H63_O	OS_H63_O
FS_H64_O	AS_H64_O	ES_H64_O	OS_H64_O

A la Carte
Foods Checklist

SCHOOL NAME: _____

SCHOOL ID #: |__|__|__|__|__|__| **MEALS:** ☐ BREAKFAST   ☐ LUNCH

meal_B   meal_L

INTERVIEWER MPR ID #: |__|__|__|__|__|__|__|__|

DATE COMPLETED: |__|__| / |__|__| / **2005**

Month   Day

INSTRUCTIONS

1. Complete this form for breakfast and lunch on the day of your initial visit to each school.

2. Place a check in the box next to each food your cafeteria sold on an a la carte basis or given to students at no cost (free)—at breakfast and/or at lunch. If the school sometimes sells a food a la carte, but did not sell it on that day, *do not* check the box. DO NOT INCLUDE VENDING MACHINES.

3. If the cafeteria offered a la carte food or beverages that are not included in the list; please write in the names of these foods and beverages on the last page of the checklist.

A LA CARTE FOODS CHECKLIST

A. Beverages

			Bkfst	Lunch	
1.	Milk	A1_B	1 ☐	1 ☐	A1_L
2a.	Carbonated sweet soft drinks	A2A_B	2 ☐	2 ☐	A2A_L
2b.	Carbonated diet drinks	A2B_B	3 ☐	3 ☐	A2B_L
3.	Coffee	A3_B	4 ☐	4 ☐	A3_L
4.	Hot chocolate	A4_B	5 ☐	5 ☐	A4_L
5a.	Juice (100% juice)	A5A_B	6 ☐	6 ☐	A5A_L
5b.	Juice (50% juice)	A5B_B	7 ☐	7 ☐	A5B_L
5c.	Juice drinks (less than 50% juice) (Cranberry drink, f blends, Hi-C, lemonade, punch)	A5C_B	8 ☐	8 ☐	A5C_L
6a.	Water (Spring water flavored water, min water, seltzer water)	A6A_B	9 ☐	9 ☐	A6A_L
6b.	Water (water with juices, sparkling water w juice)	A6B_B	10 ☐	10 ☐	A6B_L
7.	Tea	A7B_B	11 ☐	11 ☐	A7B_L
8.	Yogurt drinks	A8B_B	12 ☐	12 ☐	A8B_L
9.	Energy and sports drinks (Gatorade, Pow Red Bull)	A9_B	13 ☐	13 ☐	A9_L

B. Baked Goods—Desserts

1a.	Cake-type (Cupcakes, bro Twinkies)	B1A_B	14 ☐	14 ☐	B1A_L
1b.	Cake-type—lower fat/reduced fat	B1B_B	15 ☐	15 ☐	BIB_L
2a.	Cookies	B2A_B	16 ☐	16 ☐	B2A_L
2b.	Cookies—lower fat/reduced fat	B2B_B	17 ☐	17 ☐	B2B_L
3.	Pastries (Pies, turnovers)	B3_B	18 ☐	18 ☐	B3_L
4a.	Other baked go desserts	B4A_B	19 ☐	19 ☐	B4A_L
4b.	Other bakes good—desserts—lowe fat/reduced fat	B4B_B	20 ☐	20 ☐	B4B_L

C. Bread or Grain Products

1.	Regular bread (Bread, roll, bage)	C1_B	21 ☐	21 ☐	C1_L
2.	Other bread (Biscuits, croissants, hot pretzels)	C2_B	22 ☐	22 ☐	C2_L
3.	Muffins	C3_B	23 ☐	23 ☐	C3_L
4.	Tortilla	C4_B	24 ☐	24 ☐	C4_L
5.	Other grain products (Crackers, grand pretzels)	C5_B	25 ☐	25 ☐	C5_L

D. Candy

			Bkfst	Lunch	
1.	With chocolate	D1_B	26 ☐	26 ☐	D1_L
2.	Without chocolate	D2_B	27 ☐	27 ☐	D2_L

E. Frozen Desserts

1.	Frozen non-dairy (Froz fruit bar, Jello Pop, Popsicle)	E1_B	28 ☐	28 ☐	E1_L
2.	Ice cream (Bars, Fudgesicles, Scoop, sundaes)	E2_B	29 ☐	29 ☐	E2_L
3.	Low-fat frozen desserts (Frozen yogurt, ice milk, sherbet)	E3_B	30 ☐	30 ☐	E3_L
4.	Milkshakes/smoothies	E4_B	31 ☐	31 ☐	E4_L

F. Fruit

1.	Canned, cooked fruit	F1_B	32 ☐	32 ☐	F1_L
2.	Fresh fruit	F2_B	33 ☐	33 ☐	F2_L
3.	Fruit salad	F3_B	34 ☐	34 ☐	F3_L
4.	Dried fruit	F4_B	35 ☐	35 ☐	F4_L

G. Meet and Meat Alternate/ Entrees

Beef

1.	Hamburger or cheesebu	G1_B	36 ☐	36 ☐	G1_L
2.	Chili or burrito	G2_B	37 ☐	37 ☐	G2_L
3.	Other beef	G3_B	38 ☐	38 ☐	G3_L

Poultry

4.	Chicken patty (breaded)	G4_B	39 ☐	39 ☐	G4_L
5.	Chicken (other)	G5_B	40 ☐	40 ☐	G5_L
6.	Turkey	G6_B	41 ☐	41 ☐	G6_L

Other Meat

7.	Hot dog (Corn dog, franks and beans)	G7_B	42 ☐	42 ☐	G7_L
8.	Cold cuts (Bologna, salami and similar cuts)	G8_B	43 ☐	43 ☐	G8_L
9.	Sausage or pork	G9	44 ☐	44 ☐	G9_L

Meat Alternate

10.	Cheese sandwich	G10_B	45 ☐	45 ☐	G10_L
11.	Other cheese	G11_B	46 ☐	46 ☐	G11_L
12.	Beans or peas (Chick peas, garbanzo beans, kidney beans, refried beans)	G12_B	47 ☐	47 ☐	G12_L
13.	Eggs (Hard cooked, egg salad, scrambled, fried	G13_B	48 ☐	48 ☐	G13_L
14.	Fish	G14_B	49 ☐	49 ☐	G14_L
15.	Nuts and seeds (Peanuts, peanut butter, sunflower seeds, other nuts)	G15_B	50 ☐	50 ☐	G15_L

16. "Lower fat" entrées *(Specify)*

G16_B10T	G16_B1	51 ☐	51 ☐	G16_L1
G16_B20T	G16_B2	52 ☐	52 ☐	G16_L2
G16_B30T	G16_B3	53 ☐	53 ☐	G16_L3

A LA CARTE FOODS CHECKLIST (CONTINUED)

	CHECK (☑) BOX IF FOOD WAS OFFERED A LA CARTE	
Mixed Dishes	**Bkfst**	**Lunch**
17. Chef salad	54 ☐	54 ☐
18. Lasagna	55 ☐	55 ☐
19. Macaroni and cheese	56 ☐	56 ☐
20a. Pizza (No meat) G20A_B	57 ☐	57 ☐ G20A_L
20b. Pizza (With meat) G20B_B	58 ☐	58 ☐ G20B_L
21. Spaghetti G21_B	59 ☐	59 ☐ G21_L
22. Soup with meat or beans (Bean, chicken, clam chowder, minestrone) G22_B	60 ☐	60 ☐ G22_L
23. Mexican food (Other) G23_B	61 ☐	61 ☐ G23_L
24. Chinese food G24_B	62 ☐	62 ☐ G24_L
25. Other (Specify)		
G25_B10T G25_B1	63 ☐	63 ☐ G25_L1
G25_B20T G25_B2	64 ☐	64 ☐ G25_L2
G25_B30T G25_B3	65 ☐	65 ☐ G25_L3

H. Vegetables

	Bkfst	Lunch
1. Fried potatoes (Including pre-fried, oven baked, french fries, Tater Tots) H_B1	66 ☐	66 ☐ H_L1
2. Salad (Tossed salad, potato salad, three bean salad, raw vegetables) H_B2	67 ☐	67 ☐ H_L2
3a. Vegetable (Other cooked) H_B3A	68 ☐	68 ☐ H_L3A
3b. Vegetable (soup) H_B3B	69 ☐	69 ☐ H_L3B

I. Snacks

	Bkfst	Lunch
1. Chips (Corn, potato, puffed tortilla) I_B1	70 ☐	70 ☐ I_L1
2. Nuts and seeds (Almonds, peanuts, pistachios, sunflower seeds, trail mix) I_B2	71 ☐	71 ☐ I_L2
3. Popcorn I_B3	72 ☐	72 ☐ I_L3
4. Fruit snacks (roll-ups, shapes) I_B4	73 ☐	73 ☐ I_L4
5. Meat snacks (jerky, pork rinds) I_B5	74 ☐	74 ☐ I_L5
6. Energy bars (Power bar, Balance bar, Luna bar) I_B6	75 ☐	75 ☐ I_L6
7. Other snacks I_B7	76 ☐	76 ☐ I_L7

J. Yogurt

	Bkfst	Lunch
1. Yogurt J_B1	77 ☐	77 ☐ J_L1

Please list any food or beverage that is not listed in sections A-J of this checklist and that the cafeteria offered a la carte on the specified day.

K. Other A la Carte Items (Specify)	CHECK (☑) BOX IF FOOD WAS OFFERED A LA CARTE	
	Bkfst	**Lunch**
K_78_B, K_78_L, K_78_OT	78 ☐	78 ☐
K_79_B, K_79_L, K_79_OT	79 ☐	79 ☐
K_80_B, K_80_L, K_80_OT	80 ☐	80 ☐
K_81_B, K_81_L, K_81_OT	81 ☐	81 ☐
K_82_B, K_82_L, K_82_OT	82 ☐	82 ☐
K_83_B, K_83_L, K_83_OT	83 ☐	83 ☐
K_84_B, K_84_L, K_84_OT	84 ☐	84 ☐
K_85_B, K_85_L, K_85_OT	85 ☐	85 ☐
K_86_B, K_86_L, K_86_OT	86 ☐	86 ☐
K_87_B, K_87_L, K_87_OT	87 ☐	87 ☐
K_88_B, K_88_L, K_88_OT	88 ☐	88 ☐
K_89_B, K_89_L, K_89_OT	89 ☐	89 ☐
K_90_B, K_90_L, K_90_OT	90 ☐	90 ☐
K_91_B, K_91_L, K_91_OT	91 ☐	91 ☐
K_92_B, K_92_L, K_92_OT	92 ☐	92 ☐
K_93_B, K_93_L, K_93_OT	93 ☐	93 ☐
K_94_B, K_94_L, K_94_OT	94 ☐	94 ☐
K_95_B, K_95_L, K_95_OT	95 ☐	95 ☐
K_96_B, K_96_L, K_96_OT	96 ☐	96 ☐
K_97_B, K_97_L, K_97_OT	97 ☐	97 ☐
K_98_B, K_98_L, K_98_OT	98 ☐	98 ☐
K_99_B, K_99_L, K_99_OT	99 ☐	99 ☐
K_100_B, K_100_L, K_100_OT	100 ☐	100 ☐
K_101_B, K_101_L, K_101_OT	101 ☐	101 ☐
K_102_B, K_102_L, K_102_OT	102 ☐	102 ☐
K_103_B, K_103_L, K_103_OT	103 ☐	103 ☐
K_104_B, K_104_L, K_104_OT	104 ☐	104 ☐
K_105_B, K_105_L, K_105_OT	105 ☐	105 ☐
K_106_B, K_106_L, K_106_OT	106 ☐	106 ☐
K_107_B, K_107_L, K_107_OT	107 ☐	107 ☐
K_108_B, K_108_L, K_108_OT	108 ☐	108 ☐
K_109_B, K_109_L, K_109_OT	109 ☐	109 ☐

School Nutrition Dietary Assessment Study

Child/Youth Interview

Sponsored by:
U.S. Department of Agriculture
Food and Nutrition Service

DATE OF INTERVIEW:

|___|___|/|___|___|/|___|___|
Month   Day   Year

SCHOOL ID:_____

DAY OF WEEK:

Mon.   Tues.   Wed.   Thurs.   Fri.   Sat.

CHILD'S NAME:_____

DATE OF BIRTH:

* CHILD ID #: |___|___|___|___|___|___|___|___|

|___|___|/|___|___|/|___|___|___|___|
Month   Day   Year

GENDER:

GRADE:_____

MALE 1

FEMALE.. 2

SCHOOL BREAKFAST SERVED?

* NOTE: CHILD ID# INDICATES IF RESPONDENT IS A CHILD (6-11) OR A YOUTH (12-18).

YES... 1

NO... 0

COMPLETE AM/PM FIRST.

Now I'm going to ask you some questions about what you eat and about what you like and dislike about the meals served at school.

1.   Let me start by asking what grade you are in?

C_q1 |___|___| RECORD GRADE

DON'T KNOW ....d

REFUSED ....r

2.   In general, do you usually eat breakfast? That is breakfast anywhere, at home or at school or somewhere else.

YES 1

NO 2

C_q2   SOMETIMES...0

DON'T KNOW ....d

REFUSED ....r

1

GO TO Q.13 IF SCHOOL DOES NOT SERVE BREAKFAST

3. Do you ever eat a school breakfast? By school breakfast we mean a complete breakfast provided by your school, not something from home.

    YES ....1 **→ GO TO Q.6**

    `C_q3` NO 0

    DON'T KNOW ....d

    REFUSED ....r

4. Can children get a school breakfast at your school?

    YES 1

    NO ....0 ⎤

    `C_q4` DON'T KNOW ....d ⎥ **→ GO TO Q.13**

    REFUSED ....r ⎦

5. Why don't you eat a school breakfast? **RECORD VERBATIM RESPONSE.**

    PROBE FOR ADDITIONAL REASONS. RECORD REASONS IN ORDER.

    1. _____

    `C_q5` _____

    2. _____

    3. _____

    DON'T KNOW ....d

    REFUSED ....r

GO TO Q.13

2

6.   What is the number one reason you eat school breakfasts?

PRICES ARE GOOD...1

FOOD IS GOOD..2 **➔ GO TO Q.9**

EASY/CONVENIENT TO GET 3

TEACHERS ENCOURAGE ME 4

CAFETERIA WORKERS ENCOURAGE
ME 5

PARENTS MAKE ME.......................................6

FRIENDS EAT THERE 7

POPULAR KIDS EAT THERE..........................8

NO OTHER CHOICE 9

I AM HUNGRY 10

DON'T KNOW ....d

REFUSED ....r

C_q6

7.   What do you think about school breakfast? Do you . . . **(SHOW HAND CARDS WITH SMILEY FACES FOR CHILDREN IN GRADE 1-3 WHILE READING ANSWER CATEGORIES.)**

SHOW
CARD
#1

C_q7

like it, ...1 ⎤
                                                                        ⎬ **➔ GO TO Q.9**
think it is only okay, or ....2 ⎦

don't like it? ....3 **➔ GO TO Q.8**

DON'T KNOW ....d ⎤
                                                                        ⎬ **➔ GO TO Q.9**
REFUSED ....r ⎦

8.   Why don't you like school breakfasts? **RECORD VERBATIM**

C_q8 _____

DON'T KNOW ....d

REFUSED ....r

3

9.   Is there enough time to eat the school breakfast before classes begin?

```
                    YES ................................................. 1
 C_q9               NO ................................................... 0
                    DON'T KNOW ..................................... d
                    REFUSED ......................................... r
```

10.   Do you think school breakfast is served too early in the day, too late, or is the time it is served okay?

```
                    TOO EARLY ...................................... 1
                    TOO LATE ......................................... 2
 C_q10              OKAY ................................................ 3
                    DON'T KNOW ..................................... d
                    REFUSED ......................................... r
```

ASK Qs.11a AND 11b IF IN GRADES 1-3; 4TH GRADERS AND OLDER GO TO Q.11c

11a.   Do you usually eat a school breakfast three or more times a week?

```
                    YES ................................................. 1 ➜ GO TO Q.12
                    NO ................................................... 0
 C_q11a             NEVER EAT SCHOOL BREAKFAST .............. 2 ─┐
                    DON'T KNOW ..................................... d  ├➜ GO TO Q.12
                    REFUSED ......................................... r ─┘
```

11b.   Do you usually eat a school breakfast at least once a week?

```
                    YES ................................................. 1 ➜ GO TO Q.12
                    NO ................................................... 0 ─┐
 C_q11b             NEVER EAT SCHOOL BREAKFAST—VOL ..... 2  ├➜ GO TO Q.12a
                    DON'T KNOW ..................................... d │
                    REFUSED ......................................... r ─┘
```

4

11c.   How many days a week do you usually eat a school breakfast?

NONE, DON'T USUALLY EAT
SCHOOL BREAKFAST ....0 → **GO TO Q.12a**

ONE 1

TWO 2

`C_q11c`   THREE 3

FOUR 4

FIVE 5

DON'T KNOW ....d

REFUSED ....r

12.   Where do you usually eat school breakfast?

CAFETERIA 1

CLASSROOM ....2 → **GO TO Q.13**

GYMNASIUM 3

`C_q12`   OUTDOORS...4

OTHER (SPECIFY) 5
`C_q12_SPECIFY`
_____

DON'T KNOW ....d

REFUSED ....r

ASK Q.12a IF Q.11c = 1, 2, OR 3 OR RESPONDENT = CHILD, OTHERWISE GO TO Q.13.

12a.   Would you eat breakfast at school (more often) if it was served in your classroom?

YES 1

NO 0

`C_q12a`   ALREADY EAT BREAKFAST EVERY DAY......2

DON'T KNOW ....d

REFUSED ....r

ASK ALL:

13. Now I'd like to ask you about lunch.

     What time is your lunch period? **IF RESPONDENT SAYS IT VARIES BY DAY, ASK FOR TODAY/YESTERDAY.**

     C_q13

     |___|___| : |___|___| AM 1

     |___|___| : |___|___| PM 2

     DON'T KNOW .... d

     REFUSED .... r

14. **NO QUESTION THIS VERSION**

15. Did you eat the regular school lunch (today/yesterday)? By regular school lunch, I mean a complete meal—such as salad, soup, a sandwich, or a hot meal—not just milk, snacks, cookies, or ice cream, and not a lunch you brought from home.

     YES .... 1 ➔ **GO TO Q.19**

     C_q15

     NO 0

     DON'T KNOW .... d

     REFUSED .... r

6

16. Where did you get the lunch you ate (today/yesterday)—did you bring it from home, did you get it in school, or did you get it from somewhere else?

BROUGHT LUNCH FROM HOME....................1	**➔ GO TO Q.18**
BOUGHT LUNCH IN SCHOOL........................2	**➔ GO TO Q.20**

C_q16   LUNCH FROM SOMEWHERE ELSE 3

DIDN'T EAT LUNCH ....4 ⌉

DON'T KNOW ....d   **➔ GO TO Q.21**

REFUSED ....r ⌋

17. Did you go home for lunch, go off the school grounds for lunch, or did you do something else?

WENT HOME 1

OFF SCHOOL GROUNDS...............................2

C_q17   OTHER (SPECIFY) 3

C_q17_SPECIFY _____

DON'T KNOW ....d

REFUSED ....r

18. Was any of the food you ate at lunch bought in school?

YES 1	**➔ GO TO Q.20**

C_q18   NO..0 ⌉

DON'T KNOW ....d   **➔ GO TO Q.21**

REFUSED ....r ⌋

19. Did you buy any other foods in school to go along with your regular school lunch, such as a drink, ice cream or cookies?

YES 1

C_q196   NO..0 ⌉

DON'T KNOW ....d   **➔ GO TO Q.23**

REFUSED ....r ⌋

7

20. Where did you buy that food—from a vending machine, a school store, or did you buy it in the cafeteria, but not as part of the regular school lunch?

CODE ALL THAT APPLY

C_q20_`	FROM A VENDING MACHINE 1
C_q20_1	FROM A SCHOOL STORE 2
C_q20_3	FROM CAFETERIA (A LA CARTE FOOD) 3
C_q20_4	OTHER (SPECIFY) 4

C_q20_SPECIFY _____

DON'T KNOW .... d

REFUSED .... r

ASK Q.21 OF THOSE THAT DID NOT EAT SCHOOL LUNCH (Q.15 NO, DON'T KNOW, REFUSED). IF GOT SCHOOL LUNCH (Q.15 YES), GO TO Q.23.

21. Why didn't you eat the school lunch (today/yesterday)? **RECORD IN ORDER GIVEN**

PROBE: Are there any other reasons?

1. _____

C_q21

2. _____

3. _____

DON'T KNOW .... d

REFUSED .... r

22. Do you ever eat the regular school lunch?

YES .... 1 ➡ **GO TO Q.24a**

C_q22   NO .... 0 ┐

DON'T KNOW .... d ├➡ **GO TO Q.25**

REFUSED .... r ┘

8

23. What is the number one reason you decided to eat the school lunch (today/yesterday)?

   IF MORE THAN ONE REASON, PROBE FOR MAIN REASON.

<u>CODE ONLY ONE</u>

C_q23

HUNGRY 1

IT'S FREE/PRICES ARE GOOD.......................2

PARENTS WANT ME TO 3

LIKE THE FOOD (GENERAL) 4

LIKE TODAY'S/YESTERDAY'S MEAL 5

EASY/CONVENIENT TO GET 6

NO ONE AT HOME TO MAKE LUNCH 7

NO TIME TO MAKE LUNCH.............................8

NO OTHER CHOICE 9

FRIENDS EAT SCHOOL LUNCH 10

POPULAR KIDS EAT SCHOOL LUNCH 11

OTHER (SPECIFY) 12

_____

DON'T KNOW ....d

REFUSED ....r

ASK Q.24a IF IN GRADES 1-3; 4TH GRADERS AND OLDER GO TO Q.24c

24a. Do you usually eat a regular school lunch three or more times a week?

YES ....1 → **GO TO Q.25**

NO 0

C_q24a

NEVER EAT SCHOOL LUNCH. ....2 ┐

DON'T KNOW ....d ├→ **GO TO Q.26**

REFUSED ....r ┘

24b. Do you usually eat a regular school lunch at least once a week?

YES 1

NO 0

C_q24b

NEVER EAT SCHOOL LUNCH – VOL. 2

DON'T KNOW ....d

REFUSED ....r

GO TO Q.25

9

24c.   How many days a week do you usually eat a regular school lunch?

NONE-DON'T USUALLY EAT
SCHOOL LUNCH 0

C_q24c   ONE 1

TWO 2

THREE 3

FOUR 4

FIVE 5

DON'T KNOW .... d

REFUSED .... r

25.   What do you think about school lunch? Do you . . . **(SHOW HAND CARDS WITH SMILEY FACES FOR CHILDREN IN GRADE 1-3 WHILE READING ANSWER CATEGORIES.)**

SHOW
CARD
#1

like it, ... 1
think it is only okay, or 2   **→ GO TO Q.27**
don't like it? 3

C_q25   DON'T KNOW .... d
REFUSED .... r   **→ GO TO Q.27**

26.   Why don't you (like/eat) school lunches? **RECORD VERBATIM**

C_q26

27.   And what about the other kids in your school. Do you think most of them like the school lunches, think they're only okay, or don't like the school lunches? **(SHOW HAND CARDS WITH SMILEY FACES FOR CHILDREN IN GRADES 1-3.)**

SHOW
CARD
#1

LIKE IT, ... 1
THINK IT IS ONLY OKAY 2
DON'T LIKE IT 3

C_q27   DON'T KNOW .... d
REFUSED .... r

10

28. Are you required to take certain foods or put certain foods on your tray such as milk, when you get the regular school lunch or can you turn down foods you don't want?

C_q28

REQUIRED TO TAKE CERTAIN FOODS 1

CAN TURN DOWN FOODS 2

DON'T KNOW .... d

REFUSED .... r

29. Do you think your lunch period is too early in the day, too late, or is your lunch period time about right?

C_q29

TOO EARLY 1

TOO LATE 2

ABOUT RIGHT 3

DON'T KNOW .... d

REFUSED .... r

I want to ask you some questions about the place where you eat your lunch, like the cafeteria, (gym, classroom) or wherever you eat your lunch.

30. Would you say the place you eat your lunch is usually . . .

C_q30

too noisy, ... 1

too quiet, or 2

about right? 3

DON'T KNOW .... d

REFUSED .... r

11

31.   Would you say the tables are . . .

        always clean...1

        usually clean..2

C_q31   sometimes clean, or 3

        never clean?..2

        DON'T KNOW ....d

        REFUSED ....r

31a.   Would you say the floor is . . .

        always clean...1

        usually clean..2

C_q31a sometimes clean, or 3

        never clean?..2

        DON'T KNOW ....d

        REFUSED ....r

32.   Would you say . . .

        there are usually plenty of seats and
        tables, or...1

C_q32   not enough seats and tables? 2

        DON'T KNOW ....d

        REFUSED ....r

33.   Would you say most of the time there are . . .

        long lines, ...1

        short lines, or...2

C_q33   no lines? 3

        DEPENDS ON WHAT IS SERVED...................4

        DON'T KNOW ....d

        REFUSED ....r

12

ASK Q. 33a ONLY IF EVER ATE SCHOOL LUNCH (Q.15 = YES OR Q.22 = YES), ALL OTHERS GO TO Q.34.

33a.   Do you have enough time to eat your lunch after you have your food and you are seated?

C_q33a

YES	1
NO	0
SOMETIMES	2
DON'T KNOW	d
REFUSED	r

34.   Do the food servers and cashiers always, often, sometimes, or never listen to you and other students?

C_q34

ALWAYS	1
OFTEN	2
SOMETIMES	3
NEVER	4
DON'T KNOW	d
REFUSED	r

34a.   Do the food servers and cashiers always, often, sometimes, or never smile and say hello to you when you're getting school breakfast or lunch?

C_q34a

ALWAYS	1
OFTEN	2
SOMETIMES	3
NEVER	4
DON'T KNOW	d
REFUSED	r

35.   Do you get to pick where you sit and who you can eat with during your lunch period?

C_q35

YES	1
NO	0
DON'T KNOW	d
REFUSED	r

13

36. Now I'd like to ask you about the food served at lunch by the school.

		ALWAYS	OFTEN	SOMETIMES	NEVER	DON'T KNOW	REFUSED
C_q36_a	a. Do you always, often, sometimes, or never like the taste of the food?..	1	2	3	4	d	r
C_q36_b	b. Do you always, often, sometimes, or never like the smell of the food?...	1	2	3	4	d	r
C_q36_c	c. Do you always, often, sometimes, or never like the way the food looks?	1	2	3	4	d	r
C_q36_d	d. Do the vegetables on the serving line always, often, sometimes, or never look good?	1	2	3	4	d	r

37. Do you think the amount of food they give you is . . .

too much, ...	1
too little, or	2
C_q37 about right?	3
DON'T KNOW	d
REFUSED	r

38. Do you think that the milk served, is . . .

too warm, ...	1
too cold, or	2
C_q38 about the right temperature?	3
DON'T KNOW	d
REFUSED	r

39. Does the school menu always, often, sometimes, or never include foods you like?

ALWAYS, ...	1
OFTEN	2
C_q39 SOMETIMES..	3
NEVER	4
DON'T KNOW	d
REFUSED	r

14

40. Does the school lunch always, often, sometimes, or never have enough choices of food?

C_q40

ALWAYS,	1
OFTEN	2
SOMETIMES	3
NEVER	4
DON'T KNOW	d
REFUSED	r

41. Do you always, often, sometimes, or never like the brands of food offered at school lunch?

C_q41

ALWAYS,	1
OFTEN	2
SOMETIMES	3
NEVER	4
DON'T KNOW	d
REFUSED	r

42, What is your favorite school lunch?

IF NEEDED, PROBE: The main course.

C_q42

NO FAVORITE FOOD	0
DON'T KNOW	d
REFUSED	r

43. What is your least favorite school lunch?

IF NEEDED, PROBE: The main course.

C_q43

LIKE ALL THE FOODS, NO LEAST FAVORITE FOOD	0
DON'T KNOW	d
REFUSED	r

15

44. Do all kids that get the regular school lunch pay the same amount for the lunch, or do some kids pay less or get it for free?

ALL PAY THE SAME AMOUNT .... 1 ┐
EVERYONE GETS IT FOR FREE .... 2 ┘ → **GO TO Q.47**

C_q44

SOME PAY LESS/ SOME GET IT FREE 3

DON'T KNOW .... d ┐
REFUSED .... r ┘ → **GO TO Q.47**

45. Can you tell who is getting the regular school lunches for free or less than the full price?

YES 1
NO .... 0 ┐

C_q45

DON'T KNOW .... d ├ → **GO TO Q.47**
REFUSED .... r ┘

46. How do you know?

C_q46

_____

DON'T KNOW .... d
REFUSED .... r

47. Now I'd like to ask you just a few more questions about activities you might do. First . . .

		YES	NO	DON'T KNOW	REFUSED
C_q47_a	a. Are you taking physical education in school?	1	0	d	r
C_q47_b	b. Are you on a school sports team?..................	1	0	d	r
C_q47_c	c. Do you participate in other physical activities or sports in the community, for example through a community center or Y?	1	0	d	r
C_q47_d	d. Do you walk or ride a bike to school?	1	0	d	r
	ASK IF < AGE 12:				
C_q47_e	e. Do you play outside after school?	1	0	d	r
	ASK IF AGE 12 OR OLDER:				
C_q47_f	f. Outside of school, are you physically active, such as walking, running, biking, or working out with exercise equipment?	1	0	d	r

END OF INTERVIEW FOR YOUNGER CHILDREN—GO TO Q.53
YOUTH CONTINUE

16

48.   How many nights a week do you and your family typically sit down together to have dinner as a family?

                        EVERY NIGHT 1

                        5 OR 6 NIGHTS A WEEK 2

                        3 OR 4 NIGHTS A WEEK 3

C_q48   1 OR 2 NIGHTS A WEEK 4

                        NEVER 5

                        DON'T KNOW .... d

                        REFUSED .... r

49.   During the past 30 days, did you eat less food, fewer calories, or foods low in fat or carbohydrates to lose weight or to keep from gaining weight?

                        YES 1

                        NO 0

C_q49   DON'T KNOW .... d

                        REFUSED .... r

49a.   How often do you take any vitamins in pill or liquid form such as multi-vitamins or Vitamin C? Would you say . . .

                        every day or almost every day, ... 1

                        every so often, or 2

C_q49a   not at all? 3

                        DON'T KNOW .... d

                        REFUSED .... r

49b.   (Other than multi-vitamins with minerals) How often do you take (additional) minerals such as calcium or zinc? Would you say . . .

                        every day or almost every day, ... 1

                        every so often, or 2

C_q49b   not at all? 3

                        DON'T KNOW .... d

                        REFUSED .... r

17

49c. How often do you take any herbal products or sports supplements like Echinacea or alfalfa extract? Would you say . . .

<table>
<tr><td>every day or almost every day, ...</td><td>1</td></tr>
<tr><td>every so often, or...</td><td>2</td></tr>
<tr><td>not at all?...</td><td>3</td></tr>
<tr><td>DON'T KNOW ....</td><td>d</td></tr>
<tr><td>REFUSED ....</td><td>r</td></tr>
</table>

`C_q49c`

50. On an average school day, about how many hours do you spend watching TV or DVDs? **IF RANGE GIVEN, TAKE THE MID POINT. ROUND TO NEAREST HALF HOUR.**

`C_q50`

|__|__| . |__| HOURS

DON'T KNOW ....d

REFUSED ....r

51. And on an average school day, about how many hours do you use a computer, go online, or play video or computer games? **IF RANGE GIVEN, TAKE THE MID POINT. ROUND TO NEAREST HALF HOUR.**

`C_q51`

|__|__| . |__| HOURS

DON'T KNOW ....d

REFUSED ....r

52. During the past month, on how many days did you smoke cigarettes?

PROBE: Your best estimate is fine.

`C_q52`

|__|__| DAYS

NEVER 0

DON'T KNOW ....d

REFUSED ....r

53. And finally, we would like to follow-up with your parent or guardian in order to better understand their feelings about the meals served at this school. In order to do this, I will need you to give me some contact information.

First, which adult tends to prepare most of the meals in your home? **{INTERVIEWER NOTE: ACCEPT ONLY ONE ANSWER, READ LIST ONLY IF NECESSARY)**

MOTHER/FATHER/PARENT	01
PARENT'S SPOUSE OR PARTNER	02
GRANDPARENT	03
OTHER RELATIVE	04
LEGAL GUARDIAN	05
OTHER (SPECIFY)	06

C_q53

C_q53_OTHER _____

DON'T KNOW .... d ⎤
REFUSED .... r ⎦ → **GO TO Q.58**

53a. And, what is (HIS/HER)'s first name?

ENTER FIRST NAME_____

C_q53a

DON'T KNOW .... d
REFUSED .... r

53b. And, what is (HIS/HER)'s last name?

ENTER LAST NAME_____

C_q53b

DON'T KNOW .... d
REFUSED .... r

54a. What is [HIS/HER]'s home phone number?

C_q54a

|__|__|__|-|__|__|__|-|__|__|__|__| ENTER PHONE NUMBER

DOESN'T HAVE HOME PHONE NUMBER......n
DON'T KNOW .... d
REFUSED .... r

19

54b.   And, what is your [HIS/HER]'s cellular phone number?

|__|__|__|-|__|__|__|-|__|__|__|__| ENTER PHONE NUMBER

DOESN'T HAVE CELLULAR PHONE
NUMBER .... n

C_q54b

DON'T KNOW .... d

REFUSED .... r

54c.   And, what is [HIS/HER]'s work phone number?

|__|__|__|-|__|__|__|-|__|__|__|__| ENTER PHONE NUMBER

C_q54c

DOESN'T HAVE WORK PHONE NUMBER ..... n

DON'T KNOW .... d

REFUSED .... r

55.   What is the best time to reach [HIM/HER]?

TIME: |__|__|:|__|__| AM…..1

PM…..2

DAY:_____

DON'T KNOW .... d

REFUSED .... r

56.   If we are unable to reach [HIM/HER] then, what is the next best time to reach
        [HIM/HER]?

TIME: |__|__|:|__|__| AM…..1

PM…..2

DAY:_____

DON'T KNOW .... d

REFUSED .... r

57.   Finally, which of the phone numbers that you gave me should I use to reach your [HIM/HER] when I call?

```
C_q57
```
        _____

        DON'T KNOW .... d
        REFUSED .... r   → **GO TO Q.58**

58.   **CLOSING**

```
C_q58
```
Those are all the questions I have today. You've done great. Thanks for all your help.

THANK CHILD AND GIVE GIFT. ASK IF THEY NEED A PASS TO GET BACK INTO CLASS.

School Nutrition Dietary Assessment Study

Parent Interview

Sponsored by:
U.S. Department of Agriculture
Food and Nutrition Service

CHILD'S NAME: _____   SCHOOL ID:_____

CHILD ID #: |__|__|__|__|__|__|__|__| GRADE:_____

CHILD'S GENDER: RESPONDENT'S GENDER:

MALE 1   MALE 1

FEMALE...2   FEMALE... 2

TYPE OF CHILD: LOCATION:

CHILD 1   SCHOOL.. 1

YOUTH 2   HOME 2

                                                 PHONE 3

LANGUAGE:

ENGLISH 1

SPANISH 2

OTHER 3

_____

INTRODUCTION FOR PARENT OF CHILD:

Okay, now that we completed the dietary recall I'd like to ask you some questions about your household and the meals provided by your child's school.

INTERVIEWER: **IF PARENT MENTIONED DURING DIETARY RECALL THAT CHILD HAD SCHOOL BREAKFAST, CODE "1" IN QUESTION 1 WITHOUT ASKING.**

INTRO FOR PARENT OF YOUTHS:

Hello, my name is _____ and I'm part of the study team that interviewed your child (yesterday/DAY) at school about the school meals program. I'm calling now to see if we can do the parent interview. As you may recall from the letter and consent form sent home earlier, this study is being conducted by the U.S. Department of Agriculture to better understand how children and parents feel about the meals provided by schools, why they choose to participate or not participate in school meals, and how these decisions are related to children's overall diets. The interview will take about 20 minutes, and your cooperation is completely voluntary. All answers you give will be confidential and no individual results will be presented. As a thank you for your time, we will be sending you $10.

INTERVIEWER: AFTER DETERMINING IF THE PARENT OR ADULT WHO KNOWS THE MOST ABOUT WHAT CHILD EATS IS ON THE PHONE, CONTINUE.

ASK ALL:

First, I am going to ask you about (CHILD)'s eating habits and the food served at (his/her) school.

1. Some schools offer meals each day to children for free or at a set, fixed price. Does (CHILD)'s school have a school breakfast program?

    YES 1

    NO 0

    DON'T KNOW .... d

    REFUSED .... r

    P_q1

2. Do you agree or disagree with the following statement: "School breakfasts should be available for <u>all</u> school children." Do you . . .

    strongly agree, ... 1

    somewhat agree, ... 2

    somewhat disagree, or 3

    strongly disagree with that statement? 4

    DON'T KNOW .... d

    REFUSED .... r

    P_q2

3. Does (CHILD) usually eat breakfast, that is any breakfast, not just a school breakfast?

    YES 1

    NO 0

    DON'T KNOW .... d

    REFUSED .... r

    P_q3

4. How important do you think eating a healthy breakfast is for children to do well in school?

P_q4

Very important,	1
Somewhat important, or	2
Not important	3
DON'T KNOW	d
REFUSED	r

IF NO SCHOOL BREAKFAST (Q.1 = 0), GO TO Q.13

---

5. Does (CHILD) ever eat a school breakfast, that is a complete breakfast provided by the school?

P_q5

YES	1	
NO	0	
DON'T KNOW	d	**GO TO Q.7**
REFUSED	r	

6. How many days a week does (CHILD) usually eat a school breakfast?

P_q6

NONE	0
ONE	1
TWO	2
THREE	3
FOUR	4
FIVE	5
DON'T KNOW	d
REFUSED	r

ASK Q.7 IF Q.6 = 0, 1, OR 2. OTHERS GO TO Q.8.

---

7. Which of the following reasons describe why (CHILD) does not eat school breakfast (more frequently) at school? **(READ LIST)**

PROBE: Is that a reason?

CODE ONE ON EACH LINE

			YES	NO	DON'T KNOW	REFUSED
P_q7_a	a.	Your child does not like to eat breakfast?	1	0	d	r
P_q7_b	b.	Your child does not like the food served at school?	1	0	d	r
P_q7_c	c.	Your child prefers to eat at home?	1	0	d	r
P_q7_d	d.	You thought your child couldn't participate in the School Breakfast Program?	1	0	d	r
P_q7_e	e.	There isn't enough time to eat breakfast at school, for example due to the bus arrival time?...	1	0	d	r
P_q7_f	f.	You don't want others to think you can't provide breakfast for your child?	1	0	d	r
P_q7_g	g.	Your child doesn't eat school breakfast because (his/her) friends don't?	1	0	d	r
P_q7_h	h.	Your child thinks only needy kids eat school breakfast and (he/she) doesn't want to be thought of that way?	1	0	d	r
P_q7_i	i.	Is there any other reason? (SPECIFY)............	1	0	d	r
P_q7_I_SPECIFY		_____				

8.	Now I'd like to ask you your opinions about the school breakfast served at (CHILD)'s school. After I read each statement, please tell me if you strongly agree, agree somewhat, disagree somewhat, or strongly disagree. **SKIP ITEMS 'a' AND 'c' IF CHILD NEVER EATS SCHOOL BREAKFAST (Q.5 = 0)**

		STRONGLY AGREE	AGREE SOMEWHAT	DISAGREE SOMEWHAT	STRONGLY DISAGREE	DON'T KNOW	REFUSED
P_q8_a	a. Children like the school breakfasts	1	2	3	4	d	r
P_q8_b	b. I receive enough information about the School Breakfast Program	1	2	3	4	d	r
P_q8_c	c. School breakfasts are served at a convenient time and place	1	2	3	4	d	r
P_q8_d	d. School breakfast gives all children an opportunity to eat breakfast	1	2	3	4	d	r
P_q8_e	e. Only children from needy families participate in the school breakfast program....................	1	2	3	4	d	r

ASK QS. 9-12 IF CHILD EVER EATS SCHOOL BREAKFAST (Q.5 = 1).

ALL OTHERS GO TO Q.13

9.	How often do the breakfasts served at your child's school include fresh fruit? Would you say . . .

> always, ...1
>
> sometimes, or...2
>
> P_q9   never? 3
>
> DON'T KNOW ....d
>
> REFUSED ....r

10.	And how often do school breakfasts include a hot entrée, such as pancakes, breakfast burritos, or egg sandwiches? Would you say . . .

> always, ...1
>
> sometimes, or...2
>
> P_q10   never? 3
>
> DON'T KNOW ....d
>
> REFUSED ....r

5

11. Would you say the breakfasts served at school are . . .

<div style="margin-left: 2em;">

P_q11

very healthy, ...1

somewhat healthy, or 2

not healthy? 3

IT DEPENDS (VOLUNTEERED) 4

DON'T KNOW ....d

REFUSED ....r
</div>

12. Overall, how satisfied are you with the school breakfast provided at your child's school. Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?

<div style="margin-left: 2em;">

P_q12

VERY SATISFIED 1

SOMEWHAT SATISFIED....................................2

SOMEWHAT DISSATISFIED.............................3

VERY DISSATISFIED 4

DON'T KNOW/CAN'T RATE ....d

REFUSED ....r
</div>

13. How many days a week does (CHILD) usually eat a school lunch? By school lunch I mean a complete meal such as a fruit or vegetable, sandwich and milk, or a hot meal and milk for free or at a set, fixed price.

<div style="margin-left: 2em;">

P_q13

NONE 0

ONE...1

TWO 2

THREE ....3 ─┐

FOUR ....4 ──► **GO TO Q.15**

FIVE ....5 ─┘

DON'T KNOW ....d ─┐
──► **GO TO Q.16**
REFUSED ....r ─┘
</div>

14. Which of the following reasons describe why (CHILD) does not eat school lunch (more frequently) at school? **(READ LIST)**

PROBE: Is that a reason (CHILD) doesn't eat (more) school lunches?

CODE ONE ON EACH LINE

			YES	NO	DON'T KNOW	REFUSED
P_q14_a	a.	Your child does not like the food served at school?......	1	0	d	r
P_q14_b	b.	Your child prefers to eat a lunch brought from home? ..	1	0	d	r
P_q14_c	c.	Your child doesn't have enough time to get and eat lunch in school?	1	0	d	r
P_q14_d	d.	Your child doesn't like waiting in lines for lunch?	1	0	d	r
P_q14_e	e.	Your child thinks only needy kids eat school lunches and (he/she) doesn't want to be thought of that way? ..	1	0	d	r
P_q14_f	f.	You prefer your child to eat foods sent from home?	1	0	d	r
P_q14_g	g.	Your child doesn't eat school lunches because (his/her) friends don't?	1	0	d	r
P_q14_h	h.	You thought your child couldn't participate in the school lunch program?..	1	0	d	r
P_q14_i	i.	Is there any other reason? (SPECIFY)	1	0	d	r
P_q14_I_SPECIFY						

ALL THOSE ANSWERING Q.14, GO TO Q.16

---

15.   What is the main reason (CHILD) gets school lunches?

CHILD LIKES THE FOOD	1
LIKES TO EAT WITH FRIENDS/ FRIENDS GET IT	2
EASY FOR PARENT	3
INEXPENSIVE/FREE/GOOD VALUE	4
GOOD/HEALTHY MEALS	5
HUNGER/WOULDN'T EAT LUNCH OTHERWISE	6
OTHER (SPECIFY)	7
_____	
DON'T KNOW	d
REFUSED	r

P_q15

P_q15_SPECIFY   Easy for child/convenient-8

16.   Some schools have vending machines where children can purchase snacks, such as chips and cookies, fruit juices and sodas. In many cases, the school receives money from the companies for allowing the machines to be placed in schools. In general, do you think it is a good idea or a bad idea to have vending machines available to students in schools such as the one your child attends?

GOOD IDEA	1
BAD IDEA	2
IT DEPENDS	3
DON'T KNOW/NO OPINION	d
REFUSED	r

P_q16

17.   Are there any vending machines available to children in (CHILD)'s school?

YES	1
NO	0
DON'T KNOW	d
REFUSED	r

GO TO Q.19

P_q17

18.   And, what kinds of foods are in the vending machines?

<u>CODE ALL THAT APPLY</u>

P_q18_1	MILK 1	
P_q18_2	JUICE 2	
P_q18_3	SODA 3	
P_q18_4	OTHER DRINKS 4	
P_q18_5	SNACK FOODS (CHIPS, POPCORN, ETC) 5	
P_q18_6	DESSERT/BAKED GOODS (COOKIES, CUPCAKES, GRANOLA BARS, ETC) 6	
P_q8_7	CANDY/GUM 7	
P_q18_8	SANDWICHES.. 8	
P_q18_9	FROZEN FOODS/ICE CREAM......................... 9	
P_q18_10	OTHER (SPECIFY) 10	

P_q18_SPECIFY

DON'T KNOW .... d

REFUSED .... r

19.   Does your child's school cafeteria sell foods that children can buy for lunch other than the regular school lunch meal? These might be foods like, hamburgers, French fries, pizza, or ice cream, for example.

YES 1

NO 0

P_q19   DON'T KNOW .... d

REFUSED .... r

20.   And does (his/her) school have a school store or snack bar, outside of the cafeteria, where children can buy foods or drinks?

YES 1

NO 0

P_q20   DON'T KNOW .... d

REFUSED .... r

21.   Some schools have contracts with national companies such as McDonald's, Pizza Hut, and Taco Bell, to provide foods for student meals. Do you think it is a good idea or a bad idea to have brand name foods available to students in schools such as the one your child attends?

| P_q21 |

GOOD IDEA 1

BAD IDEA..2

IT DEPENDS...3

DON'T KNOW/NO OPINION..............................d

REFUSED ....r

22.   Now I would like to ask you your opinions about the school lunches served at (CHILD)'s school. After I read each statement, please tell me if you strongly agree, agree somewhat, disagree somewhat, or strongly disagree.

SKIP ITEMS "a" AND "c" IF CHILD NEVER EATS SCHOOL LUNCH (Q.13 = 0).

| | | **CODE ONE ON EACH LINE** | | | | |
	STRONGLY AGREE	**AGREE SOMEWHAT**	**DISAGREE SOMEWHAT**	**STRONGLY DISAGREE**	**DON'T KNOW**	**REFUSED**
a. Children like the school lunches...................................... (P_q22_a)	1	2	3	4	d	r
b. I receive enough information about the School Lunch Program .... (P_q22_b)	1	2	3	4	d	r
c. School lunches are served at a convenient time and place .... (P_q22_c)	1	2	3	4	d	r
d. School lunch gives all children an opportunity to eat lunch........ (P_q22_d)	1	2	3	4	d	r
e. Only children from needy families participate in the School Lunch Program .... (P_q22_e)	1	2	3	4	d	r

23.   Would you say the lunches served at (CHILD)'s school are . . .

| P_q23 |

very healthy, ...1

somewhat healthy, or 2

not healthy?...3

IT DEPENDS...4

DON'T KNOW/NO OPINION..............................d

REFUSED ....r

24. Thinking about the cost of school lunches and the quality of the meals provided, do you think the school lunches are a . . .

`P_q24`

very good value 1

a pretty good value, or.....................................2

not a good value?..3

GET LUNCH FREE 4

DON'T KNOW/NO OPINION............................d

REFUSED ....r

25. Overall, how satisfied are you with the school lunches provided at your child's school. Would you say you are . . .

`P_q25`

very satisfied, ...1 ⎤
somewhat satisfied,...2 ⎦ ➡ **GO TO Q.27**

somewhat dissatisfied, or 3

very dissatisfied?..4

DON'T KNOW/CAN'T RATE ....d ⎤
REFUSED ....r ⎦ ➡ **GO TO Q.27**

26. Why are you dissatisfied with the school lunches provided by the school?

<u>CODE ALL THAT APPLY</u>

`P_q26_1` NOT HEALTHY 1

`P_q26_2` NOT GOOD VALUE/COST 2

`P_q26_3` POOR QUALITY/TASTE...................................3

`P_q26_4` CHILD WON'T EAT IT.......................................4

`P_q26_5` POOR PRESENTATION (TEMPERATURE) 5

`P_q26_6` NOT ENOUGH CHOICE 6

`P_q26_7` STIGMA/CHILD GETS TEASED.......................7

`P_q26_8` OTHER (SPECIFY) 8

`P_q26_SPECIFY`

_____

DON'T KNOW ....d

REFUSED ....r

| P_q26_9 | not enough food |
| P_q26_10 | not enough time |

27.   Did you apply for free or reduced price school meals during the current school year?

                    YES 1
                    NO ....0 **→GO TO Q.28**
P_q27   NOT ELIGIBLE – VOLUNTEERED ....3 **→GO TO Q.30**
                    DON'T KNOW ....d
                    REFUSED ....r   **→ GO TO Q.30**

27a.   During the past 30 days, did (CHILD) receive free or reduced price lunches at school?

                    YES 1
                    NO 0
P_q27a   DON'T KNOW ....d
                    REFUSED ....r

ASK Q.27b ONLY IF SCHOOL HAS A BREAKFAST PROGRAM (Q.1 = 1).

27b.   During the past 30 days, did (CHILD) receive free or reduced price breakfasts at
        school?

                    YES 1
                    NO 0
P_q27b   DON'T KNOW ....d
                    REFUSED ....r

28.   Why did you **not** apply for free or reduced price school meals for your children?
RECORD IN FIRST COLUMN BELOW.

29.   **IF MORE THAN ONE REASON GIVEN PROBE:** Of these reasons, which was the most important?

		Q.28 CODE ALL THAT APPLY	Q.29 MOST IMPORTANT	DON'T KNOW	REFUSED
P_q29_1	a. DID NOT THINK WE WERE ELIGIBLE	1	1	d	r
P_q29_2	b. CHILD PREFERS MEALS PREPARED AT HOME	2	2	d	r
P_q29_3	c. CHILD DOESN'T LIKE SCHOOL FOOD	3	3	d	r
P_q29_4	d. PREFER MY CHILD TO EAT FOOD FROM HOME	4	4	d	r
P_q29_5	e. NEVER RECEIVED APPLICATION.............	5	5	d	r
P_q29_6	f. NOT AWARE OF FREE OR REDUCED PRICE MEAL PROGRAM...........................	6	6	d	r
P_q29_7	g. DID NOT WANT TO GIVE INCOME INFORMATION TO THE SCHOOL..............	7	7	d	r
P_q29_8	h. PREFERRED TO PAY FULL PRICE	8	8	d	r
P_q29_9	i. APPLICATION FORM WAS DIFFICULT TO UNDERSTAND	9	9	d	r
P_q29_10	j. CHILD AUTOMATICALLY ELIGIBLE (FOOD STAMPS, TANF) DIRECT CERTIFICATION...	10	10	d	r
P_q29_11	k. OTHER (SPECIFY)..................................... _____	11	11	d	r

Now I'd like to ask you some questions about (CHILD).

30.　　In general, would you say (CHILD)'s health is . . .

excellent,	1
very good,	2
good,	3
fair, or	4
poor?	5
DON'T KNOW	d
REFUSED	r

P_q30

31.　　Do you consider (him/her) to be . . .

a very picky eater,	1
a somewhat picky eater, or	2
not a picky eater?	3
DON'T KNOW	d
REFUSED	r

P_q31

32.　　Compared to other (boys/girls) the same age, would you say (CHILD) usually eats a larger amount of food, about the same amount of food, or a smaller amount of food?

LARGER AMOUNT	1
SAME AMOUNT	2
SMALLER AMOUNT	3
DON'T KNOW	d
REFUSED	r

P_q32

33a.　　How often does (CHILD) take any vitamins, in pill or liquid form, such as multivitamins or vitamin C? Would you say . . .

every day or almost every day,	1
every so often, or	2
not at all?	3
DON'T KNOW	d
REFUSED	r

P_q33a

14

33b.   Other than multivitamins with minerals, how often does (CHILD) take (additional) minerals such as calcium or zinc? Would you say . . .

P_q33b

every day or almost every day, ...1

every so often, or..2

not at all?..3

DON'T KNOW ....d

REFUSED ....r

33c.   How often does (CHILD) take any sports supplements or herbal products like echinacea or alfalfa extract? Would you say . . .

P_q33c

every day or almost every day, ...1

every so often, or..2

not at all?..3

DON'T KNOW ....d

REFUSED ....r

34.   Does (CHILD) have any food allergies or special dietary needs that affect what (he/she) eats?

P_q34

YES 1

NO...0

DON'T KNOW ....d

REFUSED ....r

GO TO Q.36

35. What are the food allergies or special dietary needs?

CODE ALL THAT APPLY

P_q35_1	ALLERGY TO PEANUTS	1
P_q35_2	ALLERGY TO OTHER NUTS	2
P_q35_3	LACTOSE INTOLERANCE	3
P_q35_4	ALLERGY TO EGGS	4
P_q35_5	ALLERGY TO SOY	5
P_q35_6	ALLERGY TO WHEAT	6
P_q35_7	ALLERGY TO FISH OR SHRIMP	7
P_q35_8	DIABETES	8
P_q35_9	VEGETARIAN/VEGAN	9
P_q35_10	LOW CARBOHYDRATE	10
P_q35_11	REDUCED CALORIES	11
P_q35_12	LOW FAT	12
	RESTRICTIONS BECAUSE OF	
P_q35_13	RELIGIOUS PRACTICES	13
P_q35_14	OTHER (SPECIFY)	14
P_q35_SPECIAL DIET		

36. Does someone such as an older child, yourself or another adult usually fix or supervise breakfast for (CHILD) at home?

	YES	1
	NO	0
P_q36	DON'T KNOW	d
	REFUSED	r

16

37. Thinking now about the foods you serve your family, how often would you say you serve (CHILD) skim milk or 1% low-fat milk?

Always or almost always, ...1

Sometimes, ...2

Rarely, or...3

P_q37   Never?..4

CHILD DOESN'T DRINK MILK—
VOLUNTEERED 5

DON'T KNOW ....d

REFUSED ....r

38. When (CHILD) eats chicken, how often is it fried?

Always or almost always, ...1

Sometimes, ...2

Rarely, or...3

P_q38   Never?..4

CHILD DOESN'T EAT CHICKEN—
VOLUNTEERED 5

DON'T KNOW ....d

REFUSED ....r

39. And when (CHILD) eats baked or mashed potatoes, how often do you or your child add butter, margarine, or sour cream? Would you say . . .

Always or almost always, ...1

Sometimes, ...2

Rarely, or...3

P_q39   Never?..4

CHILD DOESN'T EAT THIS—
VOLUNTEERED 5

DON'T KNOW ....d

REFUSED ....r

40. How would you describe the amount of butter, cream cheese, or margarine usually spread on (his/her) breads and muffins . . .

none, ...1

light, ...2

moderate, or 3

P_q40

generous? 4

DOESN'T EAT THIS-VOLUNTEERED ....n

DON'T KNOW ....d

REFUSED ....r

Thinking now about how your child spends (his/her) free time . . .

41. On an average school day, about how many hours does (CHILD) spend watching TV or DVDs? **IF RANGE GIVEN, TAKE THE MID POINT. ROUND TO NEAREST HALF HOUR.**

P_q41

|__|__| . |__| HOURS

DON'T KNOW ....d

REFUSED ....r

42. On an average school day, out side of school, about how many hours does (CHILD) use a computer, go online, or play video or computer games? **IF RANGE GIVEN, TAKE THE MID POINT. ROUND TO NEAREST HALF HOUR.**

P_q42

|__|__| . |__| HOURS

DON'T KNOW ....d

REFUSED ....r

43. Now I'd like to ask a question about exercise or other physical activities. Compared to other (boys/girls) the same age, would you say (CHILD) is . . .

less active, ...1

about as active, ...2

more active, or 3

P_q43

much more active? 4

DON'T KNOW ....d

REFUSED ....r

44.   How old was (CHILD) on (his/her) last birthday?

        |__|__| AGE IN YEARS

P_q44   DON'T KNOW ....d

               REFUSED ....r

45.   Do you consider (CHILD) to be of Hispanic or Latino origin, such as Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin?

               YES/HISPANIC OR LATINO.............................1

P_q45   NO/NOT HISPANIC OR LATINO 0

               DON'T KNOW ....d

               REFUSED ....r

46.   What race do you consider (CHILD) to be?

        PROBE IF RESPONDS "HISPANIC" OR "LATINO": Would that be White Hispanic/Latino, African-American Hispanic/Latino, or something else?

                                                          <u>CODE ALL THAT APPLY</u>

P_q46_1   ASIAN..1

P_q46_2   AMERICAN INDIAN OR ALASKA NATIVE.......2

P_q46_3   BLACK OR AFRICAN AMERICAN 3

P_q46_4   NATIVE HAWAIIAN OR OTHER PACIFIC
               ISLANDER 4

P_q46_5   WHITE..5

P_q46_6   OTHER *(SPECIFY)*..6

P_q46_SPECIFY
               _____

               DON'T KNOW ....d

               REFUSED ....r

47.   What is the primary language spoken at home with (CHILD)?

                        ENGLISH..1
                        SPANISH...2
P_q47   OTHER (SPECIFY) 3

                        _____

                        DON'T KNOW ....d
                        REFUSED ....r

Now I'd like to ask you some questions about you and your household.

48.   Including you, how many people live in your household?

P_q48 |__|__| PEOPLE IN HOUSEHOLD

                        DON'T KNOW ....d
                        REFUSED ....r

49.   Of these, how many are under the age of 18?

P_q49 |__|__| CHILDREN

                        DON'T KNOW ....d
                        REFUSED ....r

50.   What is your relationship to (CHILD)? **(READ LIST ONLY IF NECESSARY)**

                        MOTHER/FATHER/PARENT 1
                        PARENT'S SPOUSE OR PARTNER 2
                        GRANDPARENT...3
P_q50   OTHER RELATIVE 4
                        LEGAL GUARDIAN...5
                        OTHER (SPECIFY) 6

                        _____

                        DON'T KNOW ....d
                        REFUSED ....r

51.   Are you currently living with a partner or spouse?

                        YES 1
                        NO 0
P_q51   DON'T KNOW ....d
                        REFUSED ....r

52.   About how many hours a week do you usually spend outside of your home at a paid
        job, school or job training program?

                        |__|__| HOURS PER WEEK
                        NONE 0
P_q52   DON'T KNOW ....d
                        REFUSED ....r

53.   What is the last grade or highest level of education you completed? Is it . . .

                        8th grade or less, ...1
                        Some high school, ...2
                        High school graduate or GED, ...3
                        Some college or technical school, ...4
P_q53   Associates or 2 year degree, ...5
                        College graduate or 4 year degree, or 6
                        Graduate school? 7
                        DON'T KNOW ....d
                        REFUSED ....r

IF Q.51 = 1, ASK QS. 54-55, OTHERS GO TO Q.56:
54.   About how many hours a week does your partner or spouse usually spend outside of
        the home at a paid job, school or job training program?

                        |__|__| HOURS PER WEEK
                        NONE 0
P_q54   DON'T KNOW ....d
                        REFUSED ....r

55. What is the last grade or highest level of education your partner or spouse completed? Is it . . .

8th grade or less,	01
Some high school,	02
High school graduate or GED,	03
Some college or technical school,	04
Associates or 2 year degree,	05
College graduate or 4 year degree, or	06
Graduate school?	07
DON'T KNOW	d
REFUSED	r

P_q55

56. We would like your best estimate of your total annual household income before taxes in the year 2004. Please include all forms of income, including wages, salaries, interest, dividends, and other forms of income such as Social Security, SSI or TANF for all household members.

P_q56

$ |__|__|,|__|__|__| RECORD AMOUNT➜ **GO TO Q.59**

DON'T KNOW	d
REFUSED	r

57. Is your total household income less than $50,000?

YES	1 ➜ **GO TO Q.58a**
NO	0 ➜ **GO TO Q.58b**
DON'T KNOW	d
REFUSED	r

➜ **GO TO Q.59**

P_q57

IF LESS THAN $50,000, SHOW CARD #1: (Different version for phone)

58a.   Here is a list of income categories, in increasing amounts. Tell me the letter that represents your household's income. **PHONE VERSION:** I'm going to read you some income categories. Please tell me when I read the range that represents your household's income.

A.	LESS THAN $5,000 1
B.	$5,000 TO LESS THAN $10,000 2
C.	$10,000 TO LESS THAN $15,000 3
D.	$15,000 TO LESS THAN $20,000 4
E.	$20,000 TO LESS THAN $25,000 5

P_q58a

F.	$25,000 TO LESS THAN $30,000 6
G.	$30,000 TO LESS THAN $40,000 7
H.	$40,000 TO LESS THAN $50,000 8
	DON'T KNOW ....d
	REFUSED ....r

GO TO Q.59

IF GREATER THAN $50,000, SHOW CARD #2: (Different version for phone)

58b.   Here is a list of income categories, in increasing amounts. Tell me the letter that represents your household's income. **PHONE VERSION:** I'm going to read you some income categories. Please tell me when I read the range that represents your household's income.

A.	$50,000 TO LESS THAN $60,000 1
B.	$60,000 TO LESS THAN $70,000 2
C.	$70,000 TO LESS THAN $80,000 3
D.	$80,000 TO LESS THAN $90,000 4

P_q58b

E.	$90,000 TO LESS THAN $100,000 5
F.	$100,000 OR MORE 6
	DON'T KNOW ....d
	REFUSED ....r

PROGRAM MUST CALCULATE IF HOUSEHOLD INCOME IS GREATER THAN 200% OF POVERTY, GO TO Q. 63.

Please look at this card and tell me if anyone living in your household currently receives income or benefits from any of these sources. **PHONE VERSION:** Next I'd like to know if anyone living in your household currently receives income or benefits from a number of different sources.

59. Does your household receive food stamp benefits (type A on the card) or participate in the Food Distribution Program on Indian Reservations?

SHOW CARD #3

P_q59

YES 1

NO 0

DON'T KNOW .... d

REFUSED .... r

60. Does your household receive assistance from TANF, Public Assistance, TAFDC, EAEDC, or Welfare (type B on the card)?

SHOW CARD #3

P_q60

YES 1

NO 0

DON'T KNOW .... d

REFUSED .... r

61. Does your household participate in Medicaid, STATE HEALTH, or SCHIP (type C on the card)?

SHOW CARD #3

P_q61

YES 1

NO 0

DON'T KNOW .... d

REFUSED .... r

62. Does anyone in your household receive benefits under the WIC Program—Women, Infants and Children Program (type D on the card)?

P_q62

YES 1

NO 0

DON'T KNOW .... d

REFUSED .... r

24

63. Which of these statements best describes the food eaten in your household in the last 30 days: we have enough of the kinds of food we want to eat; enough, but not always the **kinds** of food we want; sometimes **not enough** to eat; or **often** not enough to eat?

<div style="margin-left:2em;">

ENOUGH OF THE KINDS OF FOOD
WE WANT TO EAT 1

ENOUGH BUT NOT ALWAYS THE **KINDS**
OF FOOD WE WANT.......................................2

SOMETIMES **NOT ENOUGH** TO EAT 3

OFTEN NOT ENOUGH...................................4

DON'T KNOW ....d

REFUSED ....r

</div>

P_q63

IF Q.63 = 1 AND HOUSEHOLD INCOME IS ABOVE TWICE THE POVERTY THRESHOLD (SEE GRID BELOW), SKIP TO Q.83.

IF Q.63 = 1 AND HOUSEHOLD INCOME IS BELOW TWICE THE POVERTY THRESHOLD (SEE GRID BELOW), OR INCOME IS DON'T KNOW OR REFUSED (Q.57 OR Q.58a OR Q.58b), ASK Q.64.

Poverty Threshold Measure: ASK Q.64 IF . . .		
If household size is . . .	**And answer to Q.58a is . . .**	**Or answer to Q.58b is . . .**
1	A-D	-
2	A-E	-
3	A-F	-
4	A-G	-
5	A-G	-
6	A-H	-
7	-	A
8	-	A
9	-	A or B
10	-	A or B

25

Now I'm going to read you several statements that people have made about their food situation. For these statements, please tell me whether the statement was often true, sometimes true, or never true for (you/your household) in the last 12 months, that is, since last [NAME OF CURRENT MONTH].

64.   The first statement is, (I/we) worried whether (my/our) food would run out before (I/we) got money to buy more. Was that <u>often</u> true, <u>sometimes</u> true, or <u>never</u> true for (you/your household) in the last 12 months?

OFTEN TRUE 1

SOMETIMES TRUE 2

P_q64   NEVER TRUE 3

DON'T KNOW ....d

REFUSED ....r

65.   "The food that (I/we) bought just didn't last, and (I/we) didn't have money to get more." Was that <u>often</u>, <u>sometimes</u>, or <u>never</u> true for (you/your household) in the last 12 months?

OFTEN TRUE 1

SOMETIMES TRUE 2

P_q65   NEVER TRUE 3

DON'T KNOW ....d

REFUSED ....r

66.   "(I/we) couldn't afford to eat balanced meals." Was that <u>often</u>, <u>sometimes</u>, or <u>never</u> true for (you/your household) in the last 12 months?

OFTEN TRUE 1

SOMETIMES TRUE 2

P_q66   NEVER TRUE 3

DON'T KNOW ....d

REFUSED ....r

IF CHILDREN UNDER 18 IN HOUSEHOLD, ASK Q.67 AND Q.68; OTHERWISE SKIP TO FIRST LEVEL SCREEN.

67.   "(I/we) relied on only a few kinds of low-cost food to feed (my/our) (child/the children) because (I was/we were) running out of money to buy food." Was that <u>often</u>, <u>sometimes</u>, or <u>never</u> true for (you/your household) in the last 12 months?

OFTEN TRUE 1

SOMETIMES TRUE 2

| P_q67 | NEVER TRUE 3

DON'T KNOW ....d

REFUSED ....r

68.   "(I/we) couldn't feed (my/our) (child/the children) a balanced meal because (I/we) couldn't afford that." Was that <u>often</u>, <u>sometimes</u>, or <u>never</u> true for (you/your household) in the last 12 months?

OFTEN TRUE 1

SOMETIMES TRUE 2

| P_q68 | NEVER TRUE 3

DON'T KNOW ....d

REFUSED ....r

FIRST LEVEL SCREEN (Screener for Stage 2): IF AFFIRMATIVE RESPONSE TO ANY ONE OF QUESTIONS 64-68, (ie., "often true" or "sometimes true"), OR RESPONSE "3" OR "4" TO QUESTION 63 (if administered), THEN CONTINUE TO STAGE 2; OTHERWISE SKIP TO Q.80.

STAGE 2 QUESTIONS 69-73: ASK HOUSEHOLDS PASSING THE FIRST LEVEL SCREEN (estimated 40 percent of households < Poverty; 5.5 percent of households > Poverty; 19 percent of all households).

IF CHILDREN UNDER 18 IN HOUSEHOLD, ASK Q.69; OTHERWISE SKIP TO Q.70.

69.   "(My/our child was/the children were) not eating enough because (I/we) just couldn't afford enough food." Was that <u>often</u>, <u>sometimes</u>, or <u>never</u> true for (you/your household) in the last 12 months?

OFTEN TRUE 1

SOMETIMES TRUE 2

| P_q69 | NEVER TRUE 3

DON'T KNOW ....d

REFUSED ....r

70.   In the last 12 months, since last [NAME OF CURRENT MONTH], did (you/you or other adults in your household) ever cut the size of your meals or skip meals because there wasn't enough money for food?

P_q70

YES 1
NO ....0 ⎤
DON'T KNOW ....d   ⎬ → **GO TO Q.71**
REFUSED ....r ⎦

70a.   **IF YES ABOVE, ASK:** How often did this happen-almost every month, some months but not every month, or in only one or two months?

P_q70a

ALMOST EVERY MONTH 1
SOME MONTHS, BUT NOT EVERY MONTH ..2
ONLY ONE OR TWO MONTHS 3
DON'T KNOW ....d
REFUSED ....r

71.   In the last 12 months, did you ever eat less than you felt you should because there wasn't enough money to buy food?

P_q71

YES 1
NO 0
DON'T KNOW ....d
REFUSED ....r

72.   In the last 12 months, were you ever hungry but didn't eat because you couldn't afford enough food?

P_q72

YES 1
NO 0
DON'T KNOW ....d
REFUSED ....r

73.   In the last 12 months, did you lose weight because you didn't have enough money for food?

P_q73

YES 1
NO 0
DON'T KNOW ....d
REFUSED ....r

28

SECOND LEVEL SCREEN (Screener for Stage 3): IF AFFIRMATIVE RESPONSE TO ANY ONE OF QUESTIONS 69 THROUGH 73, THEN CONTINUE TO STAGE 3; OTHERWISE SKIP TO Q.80.

STAGE 3 QUESTIONS 74 THROUGH 79: ASK HOUSEHOLDS PASSING THE SECOND LEVEL SCREEN (estimated 7-8 percent of households < 185 percent poverty; 1-1.5 percent of households > 185 percent poverty; 3-4 percent of all households).

74.   In the last 12 months, did (you/other adults in your household) ever not eat for a whole day because there wasn't enough money for food?

YES 1	
NO ....0 ┐	
DON'T KNOW ....d ├ → **GO TO Q.76**	
REFUSED ....r ┘	

P_q74

75.   **IF YES ABOVE, ASK:** How often did this happen-almost every month, some months but not every month, or in only one or two months?

ALMOST EVERY MONTH 1

SOME MONTHS, BUT NOT EVERY MONTH ..2

ONLY ONE OR TWO MONTHS 3

DON'T KNOW ....d

REFUSED ....r

P_q75

IF CHILDREN UNDER 18 IN HOUSEHOLD, ASK 76 THROUGH 79; OTHERWISE SKIP TO Q.80.

76.   The next questions are about children living in the household who are under 18 years old. In the last 12 months, since [CURRENT MONTH] of last year, did you ever cut the size of (your child's/any of the children's) meals because there wasn't enough money for food?

YES 1

NO 0

DON'T KNOW ....d

REFUSED ....r

P_q76

29

77.   In the last 12 months, did (CHILD'S NAME/any of the children) ever skip meals because there wasn't enough money for food?

P_q77

YES 1

NO 0

DON'T KNOW ....d

REFUSED ....r

77a.   **IF YES ABOVE, ASK:** How often did this happen-almost every month, some months but not every month, or in only one or two months?

P_q77

ALMOST EVERY MONTH 1

SOME MONTHS, BUT NOT EVERY MONTH ..2

ONLY ONE OR TWO MONTHS 3

DON'T KNOW ....d

REFUSED ....r

78.   In the last 12 months, (was your child/were the children) ever hungry but you just couldn't afford more food?

P_q78

YES 1

NO 0

DON'T KNOW ....d

REFUSED ....r

79.   In the last 12 months, did (your child/any of the children) ever not eat for a whole day because there wasn't enough money for food?

P_q79

YES 1

NO 0

DON'T KNOW ....d

REFUSED ....r

80.   Did you or another member of your household receive groceries from a food pantry in the last 30 days? Include groceries delivered to your household by the food pantry.

P_q80

YES 1

NO 0

DON'T KNOW ....d

REFUSED ....r

81.   Did you or another member of your household receive one or more meals from a soup kitchen, mobile van, or food wagon in the last 30 days?

                        YES 1

                        NO...0

P_q81   DON'T KNOW ....d

                        REFUSED ....r

82.   Did you or another member of your household spend one or more nights in the past 30 days in a shelter?

                        YES 1

                        NO...0

P_q82   DON'T KNOW ....d

                        REFUSED ....r

        ASK ALL:
83.   I just have one last question, thinking back again to the school meals program in (CHILD)'s school, is there any thing you would like to see changed regarding the school meals? **IF YES:** What would that be. **RECORD RESPONSE VERBATIM. PROBE FOR ANYTHING ELSE.**

P_q83   _____

                        NO CHANGES NEEDED 0

P_q83_SPECIFY   DON'T KNOW ....d

                        REFUSED ....r

84.   **IF RESPONDENT MENTIONS ANYTHING IN Q.83, ASK:** Have you talked with anyone at the school or school district about this issue?

                        YES 1

                        NO...0

P_q84   DON'T KNOW ....d

                        REFUSED ....r

CLOSING

Those are all of the questions I have for you. Thank you for your time.

GIVE CHECK TO PARENT OF YOUNG CHILDREN.

FOR YOUTHS' PARENTS: GET/CONFIRM ADDRESS TO MAIL THANK YOU CHECK.

NAME:

ADDRESS:

SCHOOL NUTRITION DIETARY ASSESSMENT STUDY

Weight and Standing Height Measurement Form

ID Label

Interviewer MPR ID #: |___|___|___|___|___|___|___|___|

|___|___| / |___|___| / **2005**
Month   Day

1. ASK STUDENTS TO REMOVE SHOES, HATS, EXTRA CLOTHES

2. **Weight**

2a. 1st measurement   q2a_wght   . q2a_pnds Pounds

2b. 2nd measurement   q2b_wght   . q2b_pnds Pounds

2c. 3rd measurement   q2c_wght   . q2ca_pnds Pounds

IF DIFFERENCE BETWEEN 1ST & 2ND MEASUREMENT IS GREATER THAN 3 POUNDS, TAKE 3RD MEASUREMENT.

3. Clothing worn by subject during weight measurement:

q3_1 1 ☐ lightweight, no multiple layers   4 ☐ cast on arm or leg q3_4

q3_2 2 ☐ heavy, bulky, or multiple layers   5 ☐ wheelchair/no measurements taken q3_5

q3_3 3 ☐ would not remove shoes/boots   6 ☐ Other *(Describe):* q3_6

q3_oth _____

4. **Standing Height**

4a. 1st measurement   q4a_hgt   .   q4a_inch   Inches

4b. 2nd measurement   q4b_hgt   .   q4b_inch   Inches

4c. 3rd measurement   q4c_hgt   .   q4c_inch   Inches

IF DIFFERENCE BETWEEN 1ST & 2ND MEASUREMENT IS GREATER THAN 1 INCH, TAKE 3RD MEASUREMENT.

5. Concerns about height measurement:

MARK ALL THAT APPLY

1 ☐ no concerns q5_1

2 ☐ height-interfering hair q5_2

3 ☐ height/not being able to place sliding headpiece on top of head q5_3

4 ☐ would not remove shoes/boots q5_4

5 ☐ Other *(Describe):* q5_5

q5_oth _____

Comments:

comment1 _____

comment2 _____

comment3 _____

comment4 _____

APPENDIX B

SAMPLE ANALYSIS CODE TO ADJUST FOR THE COMPLEX SAMPLE DESIGN AT THE SCHOOL AND STUDENT LEVELS

VARIABLES AND CODES TO USE TO ESTIMATE STANDARD ERRORS APPROPRIATE FOR THE COMPLEX SAMPLE DESIGN

All analyses of the SNDA-III data need to use the appropriate sampling weights to provide nationally representative estimates. Because the sampling at the school and student levels is within larger clusters (SFAs and schools) and because of sample stratification, estimated standard errors produced by standard statistical software will be biased. Several statistical software packages include options for adjusting for complex sample designs; those used by SNDA-III research programmers are Stata and SUDAAN (which is now available as part of SAS). These programs require three variables to estimate standard errors for complex sample designs—the sampling weight, a PSU indicator, and a stratum indicator. The PSU indicator in the SNDA-III files is NEWPSU, and the stratum indicator is NEWSTRAT. For more information on the SNDA-III sample design, refer to Volume III of the technical report.

Here is the code used to specify design in Stata for student-level analysis:

        svyset newpsu [pweight=parfnlwt], strata(newstrat)

Or a generic version, with placeholders for PSU, weight, and strata variables italicized:

        svyset *psuvar* [pweight=*weightvar*], strata(*stratavar*)

Here is the SUDAAN code used for the student-level analyses:

        PROC DESCRIPT DATA = *data* DESIGN = WR;

        nest newstrat newpsu;

        weight parfnlwt;

Note: the DESIGN=WR statement is optional, as this is the default.

Here is the code for the school-level analyses (same as for the student level except for the weight variable):

    PROC DESCRIPT DATA = data DESIGN = WR;

    NEST newstrat newpsu;

    WEIGHT finalpswgt;

And here is a generic form:

        nest *stratavar psuvar*;

        weight *weightvar*;

APPENDIX C

SPECIAL VARIABLES RELATED TO PC-SIDE ANALYSES

APPENDIX C: SPECIAL ANALYSIS WEIGHTS

To estimate the distribution of usual dietary intakes for a population group (such as NSLP participants), we used a software package known as PC-SIDE, available from Iowa State University.   The statistical procedure estimates the distribution of usual intakes, but does not estimate the usual dietary intake of any given person.   Thus, comparisons of dietary intakes across groups require special methods. This appendix describes two types of analysis weights that were used to address some of the analytical challenges of working with usual intake distributions.

A.   JACKKNIFE REPLICATE WEIGHTS

To account for SNDA-III's complex sampling design in the PC-SIDE estimation of nutrient adequacy and excess, PC-SIDE's jackknife replicate weighting procedure was used, as described in Appendix H of Volume II of this report. This approach draws repeated subsets of the sample defined by a set of "replicate weights" provided by the researcher, calculates the usual intake distribution for each subset, and then estimates the variance based on how much the estimates vary over repeated subsamples (Carrington et al. 2000).

A set of 56 jackknife replicate weights (*jkrepwt1 – jkrepwt56* in the child-parent file) was created for this procedure by dividing the sample into "pseudo-strata" with two to three primary sampling units (PSUs) per pseudo-stratum.   The initial SNDA-III sample was selected using Chromy's (1978) selection procedure, which created "implicit strata," or zones, based on geography, poverty level, and other characteristics of the school food programs. The resulting zones were used to sort the sample into pseudo-strata for the purposes of developing the replicate weights, by pairing PSUs in adjacent zones.

The replicate weighting procedure was implemented in PC-SIDE following the procedure described by Nusser et al. (1996). Specifically, the following code was included in the PC-SIDE configuration file:

> *repw jkweights J weightvar jkrepwt1 jkrepwt2 jkrepwt3 jkrepwt4 jkrepwt5 jkrepwt6*
> *jkrepwt7 jkrepwt8 jkrepwt9 jkrepwt10 jkrepwt11 jkrepwt12 jkrepwt13 jkrepwt14*
> *jkrepwt15 jkrepwt16 jkrepwt17 jkrepwt18 jkrepwt19 jkrepwt20 jkrepwt21 jkrepwt22*
> *jkrepwt23 jkrepwt24 jkrepwt25 jkrepwt26 jkrepwt27 jkrepwt28 jkrepwt29 jkrepwt30*
> *jkrepwt31 jkrepwt32 jkrepwt33 jkrepwt34 jkrepwt35 jkrepwt36 jkrepwt37 jkrepwt38*
> *jkrepwt39 jkrepwt40 jkrepwt41 jkrepwt42 jkrepwt43 jkrepwt44 jkrepwt45 jkrepwt46*
> *jkrepwt47 jkrepwt48 jkrepwt49 jkrepwt50 jkrepwt51 jkrepwt52 jkrepwt53 jkrepwt54*
> *jkrepwt55 jkrepwt56;*

where *repw* indicates that replicate weights are to be used for the PC-SIDE run, *jkweights* is the name assigned to the replicate weight set, *J* specifies the type of weight (jackknife), *weightvar* indicates the reference sample weight (for instance, *parfnlwt*), and *jkrepwt1 – jkrepwt56* are the 56 replicate weights.

Replicate weights can also be used in software packages such as Stata and SUDAAN as an alternative to the linearization procedures more commonly used with these packages to estimate standard errors with a complex sampling design. Although linearization-based variance estimation procedures were used for the main SNDA-III analyses (other than those conducted in PC-SIDE), estimates that instead used the jackknife replicate weights yielded very similar standard error estimates.

B. PROPENSITY SCORE MATCHING WEIGHTS

A propensity score matching procedure was used to adjust for observable differences between school meal participants and nonparticipants in the PC-SIDE analysis of nutrient adequacy and excess, as described in Chapter V and Appendix I of Volume II of this report. To generate the propensity score matching estimates, the data analysis used a set of "propensity score matching weights" in place of the standard sampling weights. The weight for the

propensity score matching analysis of NSLP participants and nonparticipants is *matchwt_nslp*; the comparable weight for the analysis of SBP participants and nonparticipants is *matchwt_sbp*. Both are included in the child-parent file.

To create the propensity score matching weights, logistic regression models of school meal program (NSLP or SBP) participation were estimated separately for each meal and for elementary, middle, and high school students, using Stata statistical software, as described in Volume II, Appendix I, of the technical report. The results of these models were used to predict a propensity score for each student. Each student in the program group (NSLP or SBP participants) was then matched to a student in the comparison group (nonparticipants in the relevant program) using the nearest neighbor matching method with replacement and with a single nearest neighbor.

The results of this matching were used to construct the propensity score matching weights. Propensity score matching weights for matched participants were simply their initial sampling weight (*parfnlwt*), which accounted for selection probabilities and nonresponse. The propensity score matching weight for each matched nonparticipant was the sampling weight of the participant to whom he or she was matched, if he or she was matched to only one participant. If a nonparticipant was matched to more than one participant, his or her propensity score matching weight was the sum of the sampling weights of the participants to whom he or she was matched.

To estimate the propensity score matching models of nutrient inadequacy and excess, the relevant propensity score matching weight (*matchwt_nslp* or *matchwt_sbp*) was specified as the reference sampling weight in the PC-SIDE software, as described by Nusser et al. (1996) and in Section A of this appendix.

Although, for the main SNDA-III analyses, the propensity score matching weights were primarily used with the PC-SIDE software to estimate nutrient inadequacy and excess, they

could also be used in other student-level analyses as an alternative, or in addition, to the regression adjustment used in the report. To conduct other analyses on the matched samples of participants and nonparticipants, the relevant propensity score matching weight could simply be specified in place of the standard sampling weight (*parfnlwt*). As shown in Appendix I of Volume II, propensity score matching estimates of differences in mean dietary intakes of participants and nonparticipants are similar to those derived from the regression adjustment procedure.

REFERENCES

Carrington, William J., John L. Eltinge, and Kristin McCue. "An Economist's Primer on Survey Samples." Working Paper CES 00-15. Washington, DC: U.S. Census Bureau, Center for Economic Studies, October 2000.

Nusser, Sarah M., Alicia L. Carriquiry, Kevin W. Dodd, Wayne A. Fuller, and Helen H. Jensen. "A User's Guide to C-SIDE (Software for Intake Distribution Estimation). Version 1.0." Dietary Assessment Research Series Report 8. *Technical Report 96-TR 31*. Ames, Iowa: Center for Agricultural and Rural Development, Iowa State University, September 1996.

APPENDIX D

MAJOR AND MINOR FOOD GROUPS

TABLE D.1

MAJOR AND MINOR FOOD GROUPS

Major	Minor	Examples
Milk	Whole, unflavored	Whole milk with no added flavoring
	Whole, flavored	Whole chocolate or strawberry milk
	2%, unflavored	2% milk with no added flavoring
	2%, flavored	2% chocolate or strawberry milk
	1%, unflavored	1% milk with no added flavoring
	1%, flavored	1% chocolate or strawberry milk
	Skim, unflavored	Skim milk with no added flavoring
	Skim, flavored	Nonfat chocolate or strawberry milk
	Other milk beverages	Milkshakes, cocoa made with milk, powdered breakfast drink made with milk
Fruits	Fresh	Any fresh fruit including apples, oranges, bananas, strawberries, and self-serve fruit bars
	Canned, sweetened	Any canned fruit in light, medium or heavy syrup, or juice-packed, including peaches, pears, fruit cocktail
	Canned, unsweetened	Any canned fruit water-packed or drained, including peaches, pears, fruit cocktail
	Frozen	Any frozen fruit, including strawberries, blueberries, peaches, cherries
	Dried	Any dried fruit, including raisins, cranberries
	Citrus fruit juice, 100%	Orange juice, grapefruit juice, orange-blend juice, including calcium fortified juice
	Non-citrus fruit juice, 100%	Apple juice, grape juice, juice blends, including vitamin C fortified juice
Vegetables	Cooked, starchy	Potatoes, French fries, tater tots, corn, green peas
	Cooked, dark green	Cooked broccoli, spinach, collards, kale
	Cooked, deep yellow	Cooked carrots, sweet potatoes
	Cooked, other	String beans, cauliflower, asparagus, mixed vegetables, vegetable soups
	Vegetable soups and vegetable casseroles	Tomato soup, broccoli cheese soup, vegetable noodle soup

D.3

TABLE D.1 (*continued*)

Major	Minor	Examples
	Legumes	Pinto beans, kidney beans, black beans, lentils, bean soups
	Raw, dark green	Raw spinach, romaine, broccoli
	Raw, deep yellow	Raw carrots
	Raw, other	Raw green or red peppers, iceberg lettuce, cabbage
Combination Entrees	Entree food bars	Self-serve salad bars, sandwich or deli bars, nacho or taco bars, pasta bars, potato bars
	Bag lunches/pre-plated meals	Pre-packaged meals, including Lunchables
	Hamburger, similar beef/pork sandwiches	Hamburgers, sloppy joes, beef steak sandwiches, and riblet sandwiches
	Cheeseburger, similar beef/pork sandwiches	Cheeseburgers, sloppy joes with cheese, beef steak and cheese sandwiches, meatball and cheese subs
	Hot dog, corn dog, similar sausage sandwiches	Hot dog on bun, corn dogs, and pancake-on-a-stick
	Sandwiches with breaded/fried meat, poultry, or fish	Chicken patty, chicken-fried steak, breaded beef or pork patty, and breaded fish patty sandwiches
	Sandwiches with plain meat, poultry, or fish	Turkey, ham, turkey ham, grilled chicken, roast beef, and salami sandwiches
	Sandwiches with mayonnaise-based poultry, egg, or tuna salads	Chicken, egg, and tuna salad sandwiches
	Sandwiches with only cheese	Grilled cheese, cheese sandwiches, Uncrustables
	Peanut butter sandwiches	Peanut butter and jelly sandwiches, Uncrustables
	Breakfast sandwiches	Sausage, egg, and cheese on bagel; chicken patty on a biscuit; croissant with ham and cheese
	Pizza with meat	Sausage, pepperoni, and breakfast pizzas
	Pizza without meat	Cheese pizzas and vegetable pizzas
	Pizza-type product with meat	Calzones with pepperoni and cheese
	Pizza-type product without meat	Pizza dippers, pizza sticks, pizza rolls, mozzarella sticks
	Mixtures with pasta or noodle base	Spaghetti with sauce, lasagna, macaroni and cheese, ravioli
	Other mixtures with meat, grain, and/or vegetables	Chili, beef or chicken stir-fry, egg rolls, frozen meals, chili cheese fries, baked potato with cheese and meat
	Mexican-style entrees	Burritos, tacos, nachos, quesadillas, fajitas, enchiladas, taquitos, tamales
	Entree salads	Chef salads, chicken caesar salad, taco salad, salads with tuna or chicken salad

TABLE D.1 (*continued*)

Major	Minor	Examples
Meat/Meat Alternates	Chicken and turkey, breaded/fried	Chicken nuggets, patties, fillets, tenders, poppers, and fried chicken
	Chicken and turkey, plain (not breaded/fried)	Chicken or turkey salad, grilled chicken strips, chicken fajita strips, and roasted chicken breast
	Fish and shellfish, breaded/fried	Fish sticks, nuggets or patties, and shrimp poppers
	Fish and shellfish, plain (not breaded/fried)	Tuna salad, salmon, cod, shrimp
	Meat, breaded/fried	Chicken fried steak, breaded beef patty
	Meat, plain (not breaded/fried)	Ground beef, pork chops, meatloaf, meatballs
	Sausage, frankfurters and cold cuts	Sausage patties/links, hot dogs, bologna, salami
	Other protein (cheese, eggs, beans, or meat substitutes)	Cheese slices, omelets, hard boiled eggs, cheese sauce
	Nuts, nut butters, seeds, trail mixes	Peanut butter, sunflower seeds, trail mixes, mixed nuts
	Yogurt	Fruited or plain yogurt, including nonfat and lowfat
Grains/Breads	White breads, rolls, bagels, and other plain breads	White bread, pita bread, bagels, English muffins, toast, dinner rolls
	Whole grain breads, rolls, bagels, and other plain breads	Wheat, whole wheat, oatmeal, and rye bread or rolls
	Cold cereal, sweetened[a]	Any type of sweetened cold cereal: Honey Nut Cheerios, Fruit Loops, Lucky Charms, Frosted Flakes
	Cold cereal, unsweetened	Any type of unsweetened cold cereal: Rice Krispies, Corn Flakes, Wheaties, Chex
	Hot cereal	Any type of cooked hot cereal, including oatmeal, grits, cream of wheat
	Crackers and pretzels (hard)	Saltines, oyster crackers, cheese-filled crackers, hard pretzels
	Biscuits, croissants, seasoned breadsticks, cornbread, and stuffing	Biscuits, croissants, cornbread, hush puppies, stuffing, dumplings, flavored bread sticks
	Corn/tortilla chips	Corn chips, tortilla chips, taco shells
	Bread or bread alternates with added fat	Buttered toast, bagel with cream cheese, garlic bread
	Muffins (excluding English muffins), sweet/quick breads	Blueberry muffins, chocolate chip muffins, banana or pumpkin bread
	Pancakes, waffles, French toast	Pancakes, waffles, French toast or French toast sticks

D.5

TABLE D.1 (*continued*)

Major	Minor	Examples
	Rice	White, yellow or brown rice, rice pilaf, rice with vegetables, flavored rice not included in a combination entree
	Pasta	Noodles, macaroni, and spaghetti not included in a combination entree; pasta salad without meat; macaroni and cheese as a side dish
	Pastries[b]	Pop-Tarts, cinnamon or sweet rolls, coffee cake, danishes, doughnuts
	Granola bars, fruit and grain bars[b]	Cereal bars with fruit filling, granola bars, Power Bars
Desserts	Baked (grain-based) desserts	Cookies, cakes, brownies, pies
	Granola bars, fruit and grain bars	Granola bars, breakfast bars, Rice Krispies treats
	Desserts containing fruit item or fruit juice	Fruit juice bars, gelatin with fruit, fruit sorbet
	Dairy based desserts	Pudding, ice cream, ice cream bars, frozen yogurt, yogurt
	Other (non-fruited gelatin)	Gelatin without fruit, ice pops
Other	Candy	Chocolate bars, licorice, gum, fruit roll-ups, hard candies
	Juice drinks (not 100% juice)	Lemonade, grape juice, fruit punch, orange drinks
	Carbonated soda with caloric sweetener	Regular sodas, fruit-flavored sodas, cream sodas, root beer, ginger ale, tonic water
	Carbonated soda with non-caloric sweetener	Diet sodas, diet fruit-flavored sodas, and club soda
	Tea and coffee	Caffeinated/decaffeinated tea and coffee, including sweetened
	Bottled water, non-carbonated, unsweetened	Plain spring or mineral water
	Bottled water, non-carbonated, sweetened	Sugar-sweetened spring or mineral water, including flavored water
	Bottled water, non-carbonated, vitamin-fortified	Spring or mineral water, including sweetened and/or flavored, fortified with vitamins (Propel, Vitamin Water)
	Bottled water, non-carbonated, sugar-free	Spring or mineral water sweetened with diet sweetener, including flavored water
Accompaniments	Fat-free/low-fat condiments and toppings	Ketchup, barbecue sauce, mustard, syrup, jelly, salsa, pickles, vegetable items used as toppings

TABLE D.1 (*continued*)

Major	Minor	Examples
	Higher fat condiments and toppings	Mayonnaise, tartar sauce, butter, margarine, cheese sauce, chili, gravy, cream cheese, sour cream
	Fat-free/low-fat salad dressings	Fat-free, low-fat, reduced-calorie, or low-calorie ranch, Italian, and French dressing
	Regular salad dressings	Ranch, Italian, honey mustard, French, and caesar dressing
	Condiment or fixins bar	Self-serve condiment, toppings, or 'fixins' bars

[a]A cereal was classified as sweetened if it contained 21.3 grams of sugar or more per 100 gram serving—the current criterion for cereals allowed under the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC).

[b]Sweet rolls, doughnuts, toaster pastries, coffee cake, grain fruit bars, and granola bars included as a grain/bread at breakfast.

APPENDIX E

FORMAT STATEMENTS

```
PROC FORMAT;
*---------------------------School/SFA Files---------------------------
-------------*;
*--urban status ;
value urbanf
  1='1: Primarily serves a central city of a MSA'
  2='2: Serves a MSA but not primarily its central city'
  3='3: Does not serve a MSA';

*--poverty 'pov';
value povf
  1='1: <20% poverty'
  2='2: >=20% - <30% poverty'
  3='3: >=30% poverty';

*--SFA Enrollment Size 'sfa_size';
value sfaenf
  1='1: <=1500 students'
  2='2: >1500-<=3500 students'
  3='3: >3500-<=5000 students'
  4='4: >5000-<=10000 students'
  5='5: >10000 students'
  ;

*--School Enrollment Size 'school_size';
value schenf
  1='1: <400 students'
  2='2: >=400-<500 students'
  3='3: >=500-<725 students'
  4='4: >=725-<1000 students'
  5='5: >=1000 students'
  ;

*--School Type 'school_type';
value typef
  1='1: Elementary school'
  2='2: Middle School'
  3='3: High School'
  ;

*--Menu Planning Method ('SFA_MPLAN',);
value SCH_Mf
  1= '1: nutrient-based'
  2= '2: assisted nutrien-based'
  3= '3: enhanced food-based'
  4= '4: traditional food-based' ;


*----------------------------------Recall File-----------------------
-------------*;
VALUE WHATCAL 1 = "BREAKFAST"
              2 = "LUNCH"
              3 = "DINNER"
            4 = "SUPPER"
              6 = "SNACK"
```

E.3

```
                       7 = "DRINK"
                       9 = "EXTENDED CONSUMPTION"
                       ;



VALUE COMBCDR  0  = "UNLINKED"
               1  = "BEVERAGE"
               2  = "CEREAL"
               3  = "BREAD/GRAIN"
               4  = "SALAD"
               5  = "SANDWICH"
               6  = "SOUP"
               7  = "FROZEN MEAL"
               8  = "ICE CREAM/FROZEN YOGURT"
               9  = "VEGETABLES"
               10 = "FRUIT"
               11 = "MEXICAN ITEMS"
               12 = "MEAT, POULTRY, FISH"
               13 = "LUNCHABLES"
               99 = "OTHER MIXTURES"
                  ;



VALUE FOODEATH  1 = "YES"
                2 = "NO"
                  ;

VALUE INTAKE    0 = "NO"
                1 = "YES"
                  ;

VALUE FOOD      0 = "NO"
                1 = "YES"
                  ;

VALUE MPLAN  1 = "NUTRIENT-BASED"
             3 = "ENHANCED FOOD-BASED"
             4 = "TRADITIONAL FOOD-BASED"
                ;

VALUE $MEALCD
             'B'  = "BREAD/GRAIN"
             'C'  = "CONDIMENTS"
             'D'  = "DESSERT"
             'E'  = "COMBINATION ENTREE (MA+B/FV)"
             'FV' = "FRUIT/VEGETABLE"
             'M'  = "MILK"
             'MA' = "MEAT/MEAT ALTERNATE"
             'O'  = "OTHER"
             'S'  = "SALAD DRESSINGS"
             'T'  = "TOPPINGS OR SPREADS"
                ;
```

```
VALUE ONMENU 0 = "NOT ON MENU"
             1 = "ON MENU"
             2 = "SIMILAR ON MENU ITEM"
             .N = "MATCH NOT ATTEMPTED"
             ;




VALUE SCHOOL 1 = "ELEMENTARY SCHOOL"
             2 = "MIDDLE SCHOOL"
             3 = "HIGH SCHOOL"
             ;

VALUE SIDE   0 = "DO NOT COUNT AS SIDE"
             1 = "COUNT AS SIDE"
            .B = "NOT APPLICABLE"
             ;




VALUE REPLACE  0 = "NUTRIENTS NOT REPLACED"
               1 = "NUTRIENTS REPLACED"
               2 = "NUTRIENTS REPLACED"
            3 = "NUTRIENTS REPLACED"
               . = "NUTRIENTS NOT REPLACED"
               ;

VALUE DATEFLAG 0 = "NO MENUS AVAILABLE"
               1 = "RECALL DATE EQUALS MENU DATE +/- 1 DAY"
               2 = "RECALL DATE DOES NOT EQUAL MENU DATE +/- 1 DAY"
               ;

VALUE $WHATCAL '1'= "BREAKFAST"
               '2'= "LUNCH"
               '3'= "DINNER"
             '4'= "SUPPER"
               '6'= "SNACK"
               '7'= "DRINK"
               '9'= "EXTENDED CONSUMPTION"
              ;
VALUE WHROBT   1 = "HOME"
               2 = "RESTAURANT W/ WAITER/WAITRESS SERVICE"
               3 = "RESTAURANT FAST FOOD/PIZZZA"
               5 = "RESTAURANT NO ADDITIONAL INFO"
               6 = "CAFETERIA NOT AT SCHOOL"
              14 = "VENDING MACHINE"
              21 = "PRE-SCHOOL OR AFTERSCHOOL CHILD CARE"
              30 = "SCHOOL VENDING MACHINE, LOCATION NOT SPECIFIED"
              31 = "SCHOOL VENDING MACHINE, IN CAFETERIA"
              32 = "SCHOOL VENDING MACHINE, WITHIN 20 FT OF, BUT NOT IN,
CAFETERIA"
              33 = "SCHOOL VENDING MACHINE, OTHER LOCATION"
```

```
                34 = "SCHOOL REIMBURSABLE FOOD SOURCE (INCLUDING
FUNDRAISERS, CLASS PARTIES, REWARDS FROM TEACHERS OR COACHES)"
                35 = "SCHOOL STORE, NOT REIMBURSABLE"
                36 = "SCHOOL SNACK BAR, NOT REIMBURSABLE"
                37 = "SCHOOL A LA CARTE ONLY, NOT REIMBURSABLE"
                38 = "SCHOOL, OTHER NON-REIMBURSABLE SOURCE"
                46 = "SCHOOL/OTHER"
                47 = "CHURCH"
                48 = "FRIEND/CLASSMATE (NOT ENTIRE CLASS)/NEIGHBOR"
                49 = "RELATIVE"
                50 = "SPORTING EVENT/ACTIVITY"
                51 = "RECREATION (NOT SPORT), DANCE, THEATRE, MOVIE, PARTY
(EXCEPT CLASSROOM PARTIES)"
                52 = "ICE CREAM TRUCK"
                54 = 'YMCA/BOYS&GIRLS/COMM SITES'
                60 = "STORE"
                91 = "OTHER"
                99 = "DON'T KNOW"
                ;

VALUE pctrimbu  . = "NOT FROM SCHOOL REIMBURSABLE FOOD SOURCE (WHEOBT NOT
34)"
                 1 = "ALL OR MOST OF THE FOODS SERVED WERE REIMBURSABLE"
                 2 = "ABOUT HALF OR A SMALL AMOUNT OF THE FOODS SERVED
WERE REIMBURSABLE"
                ;

*---------------------------------Menu Files----------------------------
--------------*;

 value SCHOOL 1 = "Elementary School"
              2 = "Middle School"
              3 = "High School"
              ;

value LPF    0 = "ALL OTHER MENU ITEMS"
             1 = "MILK"
             2 = "ENTREE/MEAT/MEAT ALTERNATE"
             3 = "UNLINKED BREAD/GRAIN"
             4 = "UNLINKED FRUIT/VEGETABLE"
             ;

value $MEALCOD
             'B'  = "BREAD/GRAIN"
             'C'  = "CONDIMENTS"
             'D'  = "DESSERT"
             'E'  = "COMBINATION ENTREE"
             'FV' = "FRUIT/VEGETABLE"
             'M'  = "MILK"
             'MA' = "MEAT/MEAT ALTERNATE"
             'O'  = "OTHER"
             'S'  = "SALAD DRESSINGS"
             'T'  = "TOPPINGS OR SPREADS"
             ;
```

E.6

```
value MENUDAY  1 = "MONDAY"
               2 = "TUESDAY"
               3 = "WEDNESDAY"
               4 = "THURSDAY"
               5 = "FRIDAY"
               ;

value $MEALTYP  'O1' = "BREAKFAST"
                'O2' = "LUNCH"
                ;

value COMBCD 0  = "UNLINKED"
             3  = "BREAD/GRAIN WITH T/C OR OTHER NON-ENTREE ITEM"
             4  = "SALADS AND SALAD DRESSINGS"
             7  = "PREPLATED MEALS AND BAGGED LUNCHES"
             9  = "VEGETABLES WITH T/C"
             10 = "FRUIT MIXTURES OR WITH T/C"
             12 = "ENTREES WITH ANY OTHER FOOD OR T/C (EXLCUDES ENTREE
SALADS)"
             99 = "OTHER MIXTURES"
             ;




value MPLAN  1 = "NUTRIENT-BASED"
             3 = "ENHANCED FOOD-BASED"
             4 = "TRADITIONAL FOOD-BASED"
             ;

value IMPSERV  1 = "LINKED C/T"
               2 = "UNLINKED C/T"
               3 = "OTHER ITEMS"
               ;

value NUTSOURC  0 = "NUTRIENTS NOT REPLACED"
                1 = "ARS"
                2 = "SURVEY NET"
                3 = "IMPUTED"
            4-high = "BAR OR MULTICOMPONENT FOOD WITH COMPONENTS FROM
MULTIPLE SOURCES"
                ;


*--------------------------------Child Files-------------------------
--------------*;

VALUE ny        0 = "NO"
                1 = "YES"
                ;

VALUE race_eth 1 = "HISPANIC"
               2 = "WHITE NON-HISPANIC"
               3 = "BLACK NON-HISPANIC"
```

E.7

```
                   4 = "OTHER"
                   ;

VALUE p_emp        1 = "Two parents present & both employed full-time"
                   2 = "Two parents present & one employed"
                   3 = "Two parents present & neither employed"
                   4 = "Single parents present & employed"
                   5 = "0 or 1 parent present & not employed"
                   ;

VALUE dowfive      1 = "Monday"
                   2 = "Tuesday"
                   3 = "Wednesday"
                   4 = "Thursday"
                   5 = "Friday"
                   ;
RUN;
```