

Task Area 1: Study Design and Implementation

Sample Task Order: Coding Foods and Beverages Reported on 4-day Food Records

Background

The NCI is supporting a biomarker, diet and physical activity assessment study of 1,034 older members of the NIH-AARP Diet and Health Study. Data collection began in 2012 and will end in September 2013. The protocol calls for numerous biological and self-report measures of diet and other factors. This task concerns only one diet assessment instrument: the food record. The Interactive Diet and Activity Tracking in AARP (IDATA) Study is collecting 4-day food records on the study sample of 1,034, two times each. This food record is a paper form (see Attachments) that asks respondents to record in detail all foods and beverages consumed each day for four consecutive days. Each food is to be described (brand noted if possible), including preparation method, and the amount consumed recorded. In order to obtain nutrient and food group information from these 4-day records, the items shall be coded according to the codes available in the USDA's Food and Nutrient Database 5.0 nutrient composition database <http://www.ars.usda.gov/Services/docs.htm?docid=12089>.

Statement of Work

The contractor shall code all reported foods and beverages on the food records to 8-digit USDA food codes contained in the Food and Nutrient Database 5.0. When recorded information is insufficient to appropriately code a particular food, the contractor shall use answers to general questions (pp. 4-5) on the food record form if possible. If information is still incomplete, the contractor shall use standard "no further specified" USDA food codes. To the extent possible, the contractor shall use coding procedures consistent with standard protocols used in National Health and Nutrition Examination Survey (NHANES) (<http://www.ars.usda.gov/Services/docs.htm?docid=13793>) for coding 24-hour dietary recalls. The contractor shall use the same standard quality control procedures that are used in NHANES. The contractor shall document all coding procedures and decisions.

Data

The record form and instruction book used are found in the Attachments 1 and 2. Data will consist of the handwritten paper records with individual foods and beverages recorded.

Deliverables

The deliverables consist of:

1. Monthly task order progress reports describing the task activities should be submitted to the COR and copied to the CO. The reports should include problems encountered and possible solutions.

2. A final task order report should be submitted to the COR and copied to the CO. The report should consist of:
 - A. SAS or Excel datafiles consisting of ID, Record number (1 or 2), Day number (1-4), 8-digit food code, all available nutrients and MyPyramid/FoodPlate (MPED/FPED) food groups. Two output files are required:
 - (1) For each person, total nutrient and MPED per day.
 - (2) For each person and each food reported, nutrient and MPED data for the amount of each food reported.
 - B. Documentation on coding procedures and quality control measures.

Period of Performance

The period of performance for this task order is 8 months.