

# National Human Exposure Assessment Survey (NHEXAS)

## *Arizona Study*

## Quality Systems and Implementation Plan for Human Exposure Assessment

The University of Arizona  
Tucson, Arizona 85721

Cooperative Agreement CR 821560

**Standard Operating Procedure**

**SOP-UA-D-39.0**

**Title:** Coding: 24-Hour Food Diary (Hand Entry)

**Source:** The University of Arizona

U.S. Environmental Protection Agency  
Office of Research and Development  
Human Exposure & Atmospheric Sciences Division  
Human Exposure Research Branch

**Notice:** *The U.S. Environmental Protection Agency (EPA), through its Office of Research and Development (ORD), partially funded and collaborated in the research described here. This protocol is part of the Quality Systems Implementation Plan (QSIP) that was reviewed by the EPA and approved for use in this demonstration/scoping study. Mention of trade names or commercial products does not constitute endorsement or recommendation by EPA for use.*

## **Coding: 24 Hour Food Diary**

### **1.0 Purpose and Applicability**

This procedure defines the coding strategy for the 24 Hour Food Diary. This diary was developed for use by the University of Arizona component of the NHEXAS Project.

### **2.0 Definitions**

CODE, GLOBAL: A set of standard codes used in data within the Respiratory Sciences Center designating the status of a data field in three cases: datum refused, datum non-applicable, and datum missing.

HRP SITE: The Health Related Professions building, located at 1435 North Fremont Avenue; Tucson, AZ 85719. This is an annex of the Respiratory Sciences Center and the primary site of NHEXAS Arizona.

NHEXAS Arizona: Acronym for National Human EXposure Assessment Survey, a research project conducted in Arizona by the University of Arizona/Battelle/Illinois Institute of Technology Consortium.

### **3.0 References**

None

### **4.0 Discussion**

The 24 Hour Food Diary is near the final phase of completion. All questionnaire data bases may continue to be modified through the early phase of NHEXAS implementation. Questionnaire structure may be changed if it fails to perform adequately in the field. As such, any particulars in the coding scheme can be viewed as provisional.

The 24 Hour Food Diary is scanable. The questionnaire will be completed by the subject. It will be QA checked and scanned directly into a data base.

The OMB approved questions were formatted into a scanable form using the Teleform program package and following procedures outlined in SOP # UA-D-28.0. This package has a dictionary feature and a feature that prints out the characteristics of each created form.

The overall coding scheme will follow SOP# UA-D-29.0: Global Coding for Scanned Forms. The data will be stored as flat ascii files and re-coded according to EPA's coding scheme when it is ready to be submitted to EPA.

### **5.0 Responsibilities**

5.1 The Project Data Coordinator is responsible for creating the forms, defining the data base(s) and writing the coding instructions for the 24 Hour Food Diary form once it has been finalized.

### **6.0 Materials and Reagents**

None

#### **7.0 Field Definition and Completion on Laboratory Forms**

A preliminary version of the 24 Hour Food Diary scanable form and a description of all fields and variables are presented in the attached Appendix A. The Appendix contains the draft form, an information sheet defining all abbreviations and a description of each field. Field descriptions contain the name of the field on the form, the variable name, the object id attributes, the constraint level for recognition of the code, the length of the field and the type of the field (i.e., hand writing recognition, and automated Dictionary Correction etc).

Special Coding lists will be developed as needed to accomodate unanticipated responses. Such coding lists will be attached to each of the appendix as generated.

#### **8.0 Records**

None