

**NHANES 2001-2002 Data Release
May 2004
Documentation for Laboratory Results**

Phlebotomy Examination

(1) Documentation File Date-September 3, 2003

(2) Documentation File Name- Phlebotomy Examination

(3) Survey Years Included in this File Release-2001-2002

(4) Component Description

The phlebotomy component of NHANES involved the collection of blood specimens. Prior to blood collection, the MEC phlebotomist administered a questionnaire to screen for conditions that would exclude participants from the blood draw. At this time, fasting status was determined. Blood specimens for basic hematology, nutritional biochemistry, and special studies was obtained

Blood specimens were collected on participants aged one year and older in the Mobile Examination Center (MEC).

(5) Sample Description:

5.1 Eligible Sample

Participants aged 1 year and older were tested.

(6) Description of the Laboratory Methodology

The MEC phlebotomist drew blood from the participant's arm. Four participants with hemophilia were excluded from the venipuncture. Twenty participants who received cancer chemotherapy in the past four weeks or will receive it in the future four weeks were excluded from the venipuncture.

(7) Laboratory Quality Control and Monitoring

The NHANES quality control and quality assurance protocols (QA/QC) meet the 1988 Clinical Laboratory Improvement Act mandates. Detailed quality control and quality assurance instructions are discussed in the [NHANES](#)

Laboratory/Medical Technologists Procedures Manual (LPM). Read the LABDOC file for detailed QA/QC protocols.

(8) Data Processing and Editing

Phlebotomy data were recorded directly into a computerized database; all forms used in the MEC were automated. Detailed phlebotomy collection and processing instructions are discussed in the **NHANES Laboratory/Medical Technologists Procedures Manual (LPM)**.

(9) Data Access:

All data are publicly available.

(10) Analytic Notes for Data Users:

10.1 The analysis of NHANES 2001-2002 laboratory data must be conducted with the key survey design and basic demographic variables. The NHANES 2001-2002 Household Questionnaire Data Files contain demographic data, health indicators, and other related information collected during household interviews. They also contain all survey design variables and sample weights for these age groups. The phlebotomy file includes auxiliary information such as the conditions precluding venipuncture. The household questionnaire and phlebotomy files may be linked to the laboratory data file using the unique survey participant identifier SEQN.

10.2 Use PHAFSTHR and PHAFSTMN to determine the duration of fasting in hours and minutes, respectively.