

# National Health and Nutrition Examination Survey

## August 2021-August 2023 Data Documentation, Codebook, and Frequencies

### Urine Pregnancy Test (UCPREG\_L)

**Data File:** UCPREG\_L.xpt

**First Published:** September 2024

**Last Revised:** NA

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## Component Description

A urine pregnancy test was performed in the mobile examination center (MEC) on menstruating female survey participants 8 years and older. All positive test results excluded pregnant women from the DXA component at the MEC.

## Eligible Sample

Examined female participants aged 12–59 years, and menstruating females aged 8–11 years were eligible. However, due to disclosure risks, only females 20–44 years of age have urine pregnancy results in this file.

## Description of Laboratory Methodology

The Icon 25 hCG test kit (Beckman Coulter) is a rapid chromatographic immunoassay for the qualitative detection of human chorionic gonadotropin (hCG) in urine or serum to aid in the early detection of pregnancy. The test utilizes a combination of monoclonal and polyclonal antibodies to selectively detect elevated levels of hCG in urine or serum.

Refer to the Laboratory Methods Files section for a detailed description of the laboratory methods used.

There were no changes to the lab method, lab equipment, or lab site for this component in the NHANES 2021–2023 cycle.

## Laboratory Quality Assurance and Monitoring

Urine specimens were processed in the NHANES mobile examination centers.

Detailed instructions on specimen collection and processing are discussed in the [NHANES Laboratory Procedures Manual \(LPM\)](#).

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

### Mobile Examination Centers (MECs)

Laboratory team performance is monitored using several techniques. NCHS and contract consultants use a structured competency assessment evaluation during visits to evaluate both the quality of the laboratory work and the QC procedures. Each laboratory staff member is observed for equipment operation, specimen collection and preparation; testing procedures and constructive feedback are given to each staff member. Formal retraining sessions are conducted annually to ensure that required skill levels were maintained.

## Data Processing and Editing

The data were reviewed. Incomplete data or improbable values were sent to the performing laboratory for confirmation.

## Analytic Notes

Refer to the August 2021-August 2023 Laboratory Data Overview for general information on NHANES laboratory data.

Please refer to the NHANES [Analytic Guidelines](#) and the on-line NHANES [Tutorial](#) for further details on the use of sample weights and other analytic issues.

### Demographic and Other Related Variables

The analysis of NHANES laboratory data must be conducted using the appropriate survey design and demographic variables. The NHANES August 2021- August 2023 Demographics File contains demographic data, health indicators, and other related information collected during household interviews as well as the sample design variables. The recommended procedure for variance estimation requires use of stratum and PSU variables (SDMVSTRA and SDMVPSU, respectively) in the demographic data file.

This laboratory data file can be linked to the other NHANES data files using the unique survey participant identifier (i.e., SEQN).

### Detection Limits

Since this data is reported as qualitative data, the use of lower LLOD is not applicable.

## Codebook and Frequencies

### SEQN - Respondent sequence number

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Variable Name:</b> | SEQN                             |
| <b>SAS Label:</b>     | Respondent sequence number       |
| <b>English Text:</b>  | Respondent sequence number.      |
| <b>Target:</b>        | Females only 20 YEARS - 44 YEARS |

## URXPREG - Urine Pregnancy Result

**Variable Name:** URXPREG

**SAS Label:** Urine Pregnancy Result

**English Text:** Urine Pregnancy Result

**Target:** Females only 20 YEARS - 44 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
|---------------|-------------------|-------|------------|--------------|
| 1             | Positive          | 41    | 41         |              |
| 2             | Negative          | 1078  | 1119       |              |
| 3             | Not Done          | 11    | 1130       |              |
| 4             | Invalid           | 0     | 1130       |              |
| .             | Missing           | 4     | 1134       |              |

