Documentation, Codebook, and Frequencies

Hepatitis A Antibody and Hepatitis B Core Antibody, Surface Antibody, and Surface Antigen

Laboratory

Survey Years: 1976 to 1980

SAS Transport File: NH2HEPAT.XPT

First Published: 1987
Last Revised: October 2007
NHANES 1976-1980 Data Documentation
Laboratory Assessment: Hepatitis A antibody and hepatitis B core antibody, surface antibody, and surface antigen (NH2HEPAT)

Component Description
Hepatitis A antibody is available on 9,516 participants. Hepatitis B serologic testing was conducted on 14,488 examined participants with sufficient stored sera.

Eligible Sample
All age ranges with adequate volume for testing from stored sera.

Description of Laboratory Methodology
Hepatitis A antibody was tested at the CDC Hepatitis Reference Laboratory using a commercially available enzyme immunoassay (HAVAB-EIA, Abbott Laboratories).

For Hepatitis B markers all sera were tested by enzyme-linked immunoassay. Hepatitis core antibody (anti-HBc; Corzyme, Abbott Laboratories); Hepatitis B surface antibody (anti-HBs; Auszyme, Abbott Laboratories) and Hepatitis B surface antigen (HBsAg; Ausab, Abbott Laboratories).

Laboratory Quality Control and Monitoring
Commercial reagents were used for all testing. All QC procedures recommended by the manufacturers were followed. Any discrepant results were re-tested by the Hepatitis Laboratory at CDC, Atlanta using Abbott radio-immune assay technology.

The sera had an additional freeze thaw before the anti-HAV testing. These results should, therefore, be used cautiously and compared to more current NHANES data.

Data Processing and Editing
Data was received after all the antibody testing was complete. The data were not edited.

Data Access: All data are publicly available.
**Analytic Notes**

Hepatitis A variable:

*Anti-HAV:* Serum hepatitis A antibody
1 = positive
2 = negative

There are three hepatitis B variables:

*Anti-HBS:* Serum hepatitis B surface antibody
1 = positive
2 = negative

*Anti-HBC:* Serum hepatitis B core antibody
1 = positive
2 = negative

*HBsAg:* Serum hepatitis B surface antigen
1 = positive
2 = negative

Please refer to the Analytic Guidelines for further details on the use of sample weights and other analytic issues.

**References**

Locator Fields

Title: Hepatitis B virus markers and Hepatitis A antibody

Contact Number: 1-866-441-NCHS

Years of Content: 1976-1980

First Published on Tape: 1987

Republished on the Internet: October 2007

Access Constraints: None

Use Constraints: None

Geographic Coverage: National

Subject: Hepatitis A and B viruses

Record Source: NHANES II

Survey Methodology: NHANES II is a stratified multistage probability sample of the civilian non-institutionalized population of the U.S.

Medium: NHANES Web site; SAS transport files
Hepatitis A antibody and hepatitis B core antibody, surface antibody, and surface antigen (NH2HEPAT)
Person Level Data

First Published: 1987
Last Revised: October 2007
### Sample person sequence number

**English Text:** Sample person sequence number

**English Instructions:**

### Serum hepatitis A antibody

**Target**

B(6 Mos. to 150 Yrs.)

**SAS Label**

Serum hepatitis A antibody

**English Text:** Serum hepatitis A antibody

**English Instructions:**

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### ANTIHBS

**Target**
B(6 Mos. to 74 Yrs.)

**Hard Edits**

**SAS Label**
Serum hepatitis B surface antibody

**English Text:** Serum hepatitis B surface antibody

**English Instructions:**

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### ANTIHBC

**Target**
B(6 Mos. to 74 Yrs.)

**Hard Edits**

**SAS Label**
Serum hepatitis B core antibody

**English Text:** Serum hepatitis B core antibody

**English Instructions:**

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**HBSAG**

**Target**

B(6 Mos. to 74 Yrs.)

**Hard Edits**

**SAS Label**

Serum hepatitis B surface antigen

**English Text:** Serum hepatitis B surface antigen

**English Instructions:**

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