

Second National Health and Nutrition Examination Survey 1976–1980

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)

October 2007

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	<p>Hepatitis A antibody was tested at the CDC Hepatitis Reference Laboratory using a commercially available enzyme immunoassay (HAVAB-EIA, Abbott Laboratories).</p> <p>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).</p>
Laboratory Quality Control and Monitoring	<p>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.</p> <p>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.</p>
Data Processing and Editing	<p>Data was received after all the antibody testing was complete. The data were not edited.</p> <p>Data Access: All data are publicly available.</p>

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

1. McQuillan, GM, Townsend, TR, Fields, HA, Carroll M, et al. Seroepidemiology of Hepatitis B Virus Infection in the United States. Am J Med. 1989; 87(suppl 3A): 5-10

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

**National Health and Nutrition Examination Survey
Codebook for Data Production (1976-1980)
(NHANES II)**

**Hepatitis A antibody and hepatitis B core antibody, surface antibody,
and surface antigen (NH2HEPAT)
Person Level Data**

First Published: 1987
Last Revised: October 2007



SEQN	Target
	B(6 Mos. to 74 Yrs.)
Hard Edits	SAS Label
	Sample person sequence number
English Text: Sample person sequence number	
English Instructions:	

ANTIHAV	Target
	B(6 Mos. to 150 Yrs.)
Hard Edits	SAS Label
	Serum hepatitis A antibody
English Text: Serum hepatitis A antibody	
English Instructions:	

Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	4241	4241	
2	Negative	5275	9516	
.	Missing	4981	14497	

ANTIHB	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:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	695	695	
2	Negative	13793	14488	
.	Missing	9	14497	

ANTIHB	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:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	787	787	
2	Negative	13564	14351	
.	Missing	146	14497	

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:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	49	49	
2	Negative	14068	14117	
.	Missing	380	14497	