

National Health and Nutrition Examination Survey 1999–2000

Documentation, Codebook, and Frequencies

Surplus Specimen Laboratory Component:
Antibody to Mumps from Surplus Sera
Samples (SSMUMP_A)

Survey Years:
1999 to 2000

SAS Export File:
SSMUMP_A.XPT



First Published: March 2008
Last revised: N/A

NHANES 1999-2000 Data Documentation

Laboratory Assessment: Antibody to mumps virus (NHANES Surplus Sera)

First Published: March 2008

Last Revised: N/A

Component	Mumps IgG antibody testing of stored serum specimens from NHANES (1999-2000) was conducted to estimate the seroprevalence of mumps antibody in the US population in 1999-2000.								
Eligible Sample	Participants aged 6-49 years from of NHANES 1999-2000 with stored sera.								
Description of Laboratory Methodology	<p>Mumps antibody testing was performed using enzyme-linked immunosorbent assays (ELISAs) to detect mumps IgG (Wampole Laboratories, Princeton, NJ)</p> <p>Specimens were tested according to manufacture directions. Index values were calculated for each specimen by dividing the OD value by the cutoff OD.</p> <table><thead><tr><th>Interpretation</th><th>Index Value of OD Ratio</th></tr></thead><tbody><tr><td>Negative specimens</td><td><0.90</td></tr><tr><td>Equivocal Specimens</td><td>0.91 to 1.09</td></tr><tr><td>Positive Specimens</td><td>>1.0</td></tr></tbody></table>	Interpretation	Index Value of OD Ratio	Negative specimens	<0.90	Equivocal Specimens	0.91 to 1.09	Positive Specimens	>1.0
Interpretation	Index Value of OD Ratio								
Negative specimens	<0.90								
Equivocal Specimens	0.91 to 1.09								
Positive Specimens	>1.0								
Laboratory Quality Control and Monitoring	<p>Serum samples were tested using Wampole Mumps IgG Test (Ref. # 425901CE). These were tested on two lots, the first lot used 19 kits and second lot used 57 kits.</p> <p>Samples that initially tested Indeterminate or negative were repeated. If a discrepancy (difference in result and a change in ISR of > 0.5) was found the sample was repeated one more time. The previous result that matched the final test was the one accepted.</p> <p>Assay reproducibility was assessed by random selection of 10% of the total number of serum specimens tested and repeating the ELISA assay.</p>								

**Data
Processing
and Editing**

Data Access: All data are publicly available.

**Analytic
Notes**

The specimen index ratio (ISR) should be linked to the sequence number for all data analyses.

References

N/A

Locator Fields

Title: Mumps IgG Antibody seroprevalence

Contact Number:

Years of Content:1999-2000

First Published: March 2008

Revised: N/A

Access Constraints: None

Use Constraints: None

Geographic Coverage: National

Subject: Mumps

Record Source: NHANES (1999-2000)

Survey Methodology: NHANES III 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 (1999-2000)**

**Antibody to Mumps from Surplus Sera Samples (SSMUMP_A)
Person Level Data**

March 2008



SEQN	Target
	B(6 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

SSISR	Target
	B(6 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Specimen Index ratio
English Text: Specimen Index ratio	
English Instructions:	

Code or Value	Description	Count	Cumulative	Skip to Item
0.026 to 8.604	Range of Values	4699	4699	
.	Missing	8	4707	

SSMUMPS		Target		
		B(6 Yrs. to 49 Yrs.)		
Hard Edits		SAS Label		
		Antibody to mumps		
English Text: Antibody to mumps				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	4306	4306	
2	Negative	229	4535	
3	Indeterminate	164	4699	
9	Quantity not sufficient	0	4699	
.	Missing	8	4707	