

# National Health and Nutrition Examination Survey 2001–2002

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## Documentation, Codebook, and Frequencies

Surplus Specimen Laboratory Component:  
Antibody to Mumps from Surplus Sera  
Samples (SSMUMP\_B)

**Survey Years:**  
**2001 to 2002**

**SAS Export File:**  
**SSMUMP\_B.XPT**



First Published: March 2008  
Last revised: N/A

# NHANES 2001-2002 Data Documentation

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

First Published: March 2008

Last Revised: N/A

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**Component** Mumps IgG antibody testing of stored serum specimens from NHANES (2001-2002) was conducted to estimate the seroprevalence of mumps antibody in the US population in 2001-2002.

**Eligible Sample** Participants aged 6-49 years from of 2001-2002 with stored sera.

**Description of Laboratory Methodology** Mumps antibody testing was performed using enzyme-linked immunosorbent assays (ELISAs) to detect mumps IgG (Wampole Laboratories, Princeton, NJ)

Specimens were tested according to manufacture directions. Index values were calculated for each specimen by dividing the OD value by the cutoff OD.

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** 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.

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.

Assay reproducibility was assessed by random selection of 10% of the total number of serum specimens tested and repeating the ELISA assay.

**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:** 2001-2002

**First Published:** March 2008

**Revised:** N/A

**Access Constraints:** None

**Use Constraints:** None

**Geographic Coverage:** National

**Subject:** Mumps

**Record Source:** NHANES (2001-2002)

**Survey Methodology:** NHANES 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 (2001-2002)**

**Antibody to Mumps from Surplus Sera Samples (SSMUMP\_B)  
Person Level Data**

March 2008



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

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

Code or Value	Description	Count	Cumulative	Skip to Item
0.107 to 10.373	Range of Values	5504	5504	
.	Missing	7	5511	

<b>SSMUMPS</b>		<b>Target</b>		
		B(6 Yrs. to 49 Yrs.)		
<b>Hard Edits</b>		<b>SAS Label</b>		
		Antibody to mumps		
<b>English Text:</b> Antibody to mumps				
<b>English Instructions:</b>				
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Cumulative</b>	<b>Skip to Item</b>
1	Positive	5050	5050	
2	Negative	301	5351	
3	Indeterminate	153	5504	
9	Quantity not sufficient	0	5504	
.	Missing	7	5511	