

National Health and Nutrition Examination Survey 2005–2006

Documentation, Codebook, and Frequencies

Laboratory Component:
Urinary Chlamydia and Gonorrhea

Survey Years:
2005 to 2006

SAS Export File:
CHLMDA_D.XPT



First Published: May 2008
Last Revised: N/A

NHANES 2005–2006 Data Documentation

Laboratory Assessment: – Urinary Chlamydia and Gonorrhea (CHLMDA_D)

Years of Coverage: 2005–2006

First Published: May 2008

Last Revised:

Component Description

Sexually transmitted infections caused by *Chlamydia trachomatis* may lead to pelvic inflammatory disease, ectopic pregnancy, infertility, and chronic pelvic pain in women. They are associated with increased risk of HIV transmission. Pregnant women may transmit infection to their newborn causing serious medical complications. At present there are no reliable estimates on the prevalence of chlamydial and gonococcal infection in the general population of the United States.

NHANES offers an opportunity to assess the prevalence of chlamydia and gonococcal infection in the general population and to monitor trends in prevalence as prevention programs are established and expanded.

Eligible Sample

Participants aged 14-39 years were tested. Public data file includes data for persons 18-39 years of age. Please see Analytic Notes for Data Users about the release of data for adolescents 14-17 years of age.

Description of Laboratory Methodology

Urinary Chlamydia and Urinary Gonorrhea

The BDProbeTec CT Chlamydia *trachomatis* and *Neisseria gonorrhoeae* Amplified DNA Assays are based on the simultaneous amplification and detection of target DNA using amplification primers and a fluorescent labeled detector probe. The Strand Displacement Amplification (SDA) reagents are dried in two separate disposable microwell strips. The processed sample is added to the Priming Microwell which contains the amplification primers, fluorescent labeled detector probe, and other reagents necessary for amplification. After incubation, the reaction mixture is transferred to the Amplification Microwell, which contains two enzymes (a DNA polymerase and a restriction endonuclease) necessary for SDA. The Amplification Microwells are sealed to prevent contamination and then incubated in a thermally controlled fluorescent reader which monitors each reaction for the generation of amplified products. The presence or absence of *C. trachomatis* and *N. gonorrhoeae* is determined by relating the

BDProbeTec ET MOTA (Method Other Than Acceleration) scores for the sample to pre-determined cutoff values. The MOTA score is a metric used to assess the magnitude of signal generated as a result of the reaction.

**Laboratory
Quality
Control and
Monitoring**

The NHANES quality control and quality assurance protocols (QA/QC) meet the 1988 Clinical Laboratory Improvement Act mandates. Detailed quality control and quality assurance instructions are discussed in the NHANES Laboratory/Medical Technologists Procedures Manual (LPM). Read the LABDOC file for detailed QA/QC protocols.

**Data
Processing
and Editing**

Urine specimens were processed, stored and shipped to the Division of AIDS, STD, and TB Laboratory Research, National Center for Infectious Diseases, National Centers for Disease Control and Prevention for analysis. Detailed specimen collection and processing instructions are discussed in the NHANES Laboratory/Medical Technologists Procedures Manual (LPM). Read the LABDOC file for detailed data processing and editing protocols. The analytical methods are described in the Description of the Laboratory Methodology section.

Public data file includes data for persons 18-39 years of age. Urinary Chlamydia data for youth 14-17 years of age will be in the Research Data Center (RDC) or through special agreement.

**Analytic
Notes**

Collaborators may obtain the 2005-2006 NHANES Adolescent STD Special Use Data file through a special agreement. The data set is a SAS file containing 3 variables for examined participants aged 14-17 years. Other interested researchers may use this file in the NCHS Research Data Center (RDC). The variable descriptors and variable names are as follows:

Sequence number-Seqn
Chlamydia result-URXUCL
Gonorrhea result-URXUGC

References None

Locator Fields

Title: Urinary Chlamydia and Gonorrhea

Contact Number: 1-866-441-NCHS

Years of Content: 2005–2006

First Published: May 2008

Revised:

Access Constraints: Public data file includes data for persons 18-39 years of age. Urinary chlamydia and gonorrhea data for youth 14-17 years of age will be in the Research Data Center (RDC) or through special agreement.

Use Constraints: None

Geographic Coverage: National

Subject: Urinary Chlamydia and Gonorrhea

Record Source: NHANES 2005–2006

Survey Methodology: NHANES 2005–2006 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 (2005-2006)**

**Urinary Chlamydia and Gonorrhea (CHLMDA_D)
Person Level Data**

First Published: May 2008

Last Revised: N/A



SEQN	Target
	B(18 Yrs. to 39 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

URXUCL	Target
	B(18 Yrs. to 39 Yrs.)
Hard Edits	SAS Label
	Urinary Chlamydia
English Text: Urinary Chlamydia	
English Instructions:	

Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	63	63	
2	Negative	2256	2319	
3	Indeterminate	0	2319	
.	Missing	81	2400	

URXUGC		Target		
		B(18 Yrs. to 39 Yrs.)		
Hard Edits		SAS Label		
		Urinary Gonorrhea		
English Text: Urinary Gonorrhea				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	2	2	
2	Negative	2317	2319	
3	Indeterminate	0	2319	
.	Missing	81	2400	