

National Health and Nutrition Examination Survey 2003-2004

Documentation, Codebook, and Frequencies

Laboratory Component:
Methicillin-Resistant Staphylococcus
Aureus

Survey Years:
2003 to 2004

SAS Export File:
L35_C.XPT



First Release: November 2006
Last Revised: N/A

NHANES 2003–2004 Data Documentation

Laboratory Assessment: Lab 35- Methicillin-Resistant *Staphylococcus aureus*

Years of Coverage: 2003–2004

First Published: November 2006

Last Revised: N/A

Component Description

Staphylococcus aureus is one of the most common causes of skin and soft tissue infection in both the health care and community settings. Antimicrobial resistance in *S. aureus* has increased dramatically, particularly in the hospital, where the rapid emergence of methicillin-resistant *S. aureus* (MRSA) and the appearance of *S. aureus* isolates with resistance to vancomycin have led to concern that this organism may become untreatable with currently available antimicrobials. Previously limited to hospitals, MRSA infections have been increasingly reported in the community. However, no prospective, population-based prevalence study has been done to measure the prevalence of MRSA in the community, and no national surveillance exists to provide a reliable national population estimate.

Eligible Sample

Participants aged 1 year and older are tested.

Description of Laboratory Methodology

Nasal swabs were first examined for proper labeling and integrity, and then plated on mannitol salt agar (MSA), a selective media for the isolation of *S. aureus*. MSA plates were incubated at 37°C for 48 hours. Mannitol-fermenting colonies (yellow or gold) were selected from the MSA plates and subcultured to trypticase soy agar + 5% sheep blood plates (BAP) and incubated at 37°C overnight. MSA plates with little or no growth were re-incubated at 37°C overnight, and plates with non-mannitol fermenting growth were held at room temperature. These plates were reexamined the next day, and any yellow or gold colonies were subcultured to BAP.

Overnight cultures on BAP were first screened using Staphaurex, a rapid latex kit for the identification of *S. aureus*. A tube coagulase test using rabbit plasma with EDTA was then performed on Staphaurex-negative isolates from BAP with morphology consistent with *S. aureus* and Staphaurex-positive isolates with morphology inconsistent with *S. aureus* (non-hemolytic). Staphaurex-positive isolates and Staphaurex-negative tube coagulase-positive isolates were identified as *S. aureus* and saved for further testing. Staphaurex-positive tube coagulase-

negative isolates were discarded.

S. aureus isolates were screened for methicillin resistance following the NCCLS disk diffusion method. Overnight cultures from BAP were plated on Mueller-Hinton (MH) agar, and a 1- μ g oxacillin (OX) disk was placed on the inoculated plate. Zone diameters were measured and recorded after 24-hr incubation at 37°C (sensitive > 13 mm; intermediate = 11–12 mm; resistant < 10 mm).

Isolates resistant to OX (i.e., MRSA), intermediate to OX, and every 10th isolate sensitive to OX [i.e., methicillin-sensitive *Staphylococcus aureus* (MSSA)] by disk diffusion were saved for additional testing of organism characteristics. These tests included: antimicrobial susceptibility testing (minimum inhibitory concentration [MIC]) by broth microdilution using NCCLS reference methods; strain typing by pulsed-field gel electrophoresis (PFGE) using *Sma*I enzyme; singleplex polymerase chain reaction (PCR) for detection of enterotoxins, toxic shock syndrome toxin-1, and Panton-Valentine leukocidin (PVL) toxin; and SCCmec cassette typing by PCR.

There were no changes to equipment, lab methods, or lab site from the previous 2 years of NHANES. Some antimicrobial susceptibility testing was dropped from the 2003-2004 data file that was previously tested in 2001-2002. The tests were imipenem (LBXMI1 and LBXMI2), cefazolin (LBXMF1 and LBXMF2), ciprofloxacin (LBXMD1 and LBXMD2), and amoxicillin/k clavulanate (LBXMY1 and LBXMY2).

A detailed description of the laboratory method used can be found on the NHANES website.

Laboratory Quality Control and Monitoring

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

A detailed description of the quality assurance and quality control procedures can be found on the NHANES website.

Data Processing and Editing

Nasal swab specimens were processed, stored, and shipped to Division of Healthcare Quality Promotion, National Center for Infectious Diseases, National Centers for Disease Control and Prevention, Atlanta, GA for analysis. Detailed specimen collection and processing instructions are discussed in the NHANES 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.

Detailed instructions on specimen collection and processing can be found on the NHANES website.

Analytic Notes

The analysis of NHANES 2003–2004 laboratory data must be conducted with the key survey design and basic demographic variables. The NHANES 2003–2004 Household Questionnaire Data Files contain demographic data, health indicators, and other related information collected during household interviews. They also contain all survey design variables and sample weights for these age groups. The phlebotomy file includes auxiliary information such as the conditions precluding venipuncture. The household questionnaire and phlebotomy files may be linked to the laboratory data file using the unique survey participant identifier SEQN.

***S. aureus* Present and Organism Identified as MRSA**

If LBXMS1 = 1 and LBXM1 = 1, further organism characteristic testing was performed.

Isolates resistant to OX (i.e., MRSA), intermediate to OX, and every 10th isolate sensitive to OX (i.e., MSSA) by disk diffusion were saved for additional testing of organism characteristics. These tests included: antimicrobial susceptibility testing [minimum inhibitory concentration (MIC)] by broth microdilution using NCCLS reference methods; strain-typing by pulsed-field gel electrophoresis (PFGE) using Smal enzyme; singleplex polymerase chain reaction (PCR) for detection of enterotoxins, toxic shock syndrome toxin-1, and Panton-Valentine leukocidin (PVL) toxin; and SCCmec cassette typing by PCR.

***S. aureus* Present and Organism Identified as MSSA**

Every 10th isolate sensitive to OX (i.e., MSSA) by disk diffusion was saved for additional testing of organism characteristics. These tests included: antimicrobial susceptibility testing (minimum inhibitory concentration [MIC]) by broth microdilution using NCCLS reference methods, and strain-typing by pulsed-field gel electrophoresis (PFGE) using Smal enzyme.

References N/A

Locator Fields

Title: Methicillin-Resistant *Staphylococcus aureus* (MRSA)

Contact Number: 1-866-441-NCHS

Years of Content: 2003–2004

First Published: November 2006

Revised: N/A

Access Constraints: None

Use Constraints: None

Geographic Coverage: National

Subject: Methicillin-Resistant *Staphylococcus aureus* (MRSA)

Record Source: NHANES 2003–2004

Survey Methodology: NHANES 2003–2004 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 (2003-2004)**

**Methicillin-Resistant Staphylococcus Aureus (L35_C)
Person Level Data**

First Published: November 2006

Last Revised: N/A



SEQN	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

LBXMS1	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	S. aureus present 1
English Text: S. aureus present 1	
English Instructions:	

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	2442	2442	
2	No	6562	9004	
.	Missing	175	9179	

LBXM1	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	MRSA 1			
English Text: MRSA 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	133	133	
2	No	2309	2442	
.	Missing	6737	9179	

LBXMT1	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Tetracycline 1			
English Text: Tetracycline 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	352	352	
2	Resistant	16	368	
3	Intermediate	2	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXMZ1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Trimethoprim/Sulfamethoxazole 1		
English Text: Trimethoprim/Sulfamethoxazole 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	368	368	
2	Resistant	2	370	
3	Intermediate	0	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXMC1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Clindamycin 1		
English Text: Clindamycin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	320	320	
2	Resistant	50	370	
3	Intermediate	0	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXME1	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Erythromycin 1			
English Text: Erythromycin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	204	204	
2	Resistant	166	370	
3	Intermediate	0	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXMP1	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Penicillin 1			
English Text: Penicillin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	27	27	
2	Resistant	343	370	
3	Intermediate	0	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXMV1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Vancomycin 1		
English Text: Vancomycin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	370	370	
2	Resistant	0	370	
3	Intermediate	0	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXMO1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Oxacillin 1		
English Text: Oxacillin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	237	237	
2	Resistant	133	370	
3	Intermediate	0	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXMG1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Gentamicin 1		
English Text: Gentamicin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	368	368	
2	Resistant	2	370	
3	Intermediate	0	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXML1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Levofloxacin 1		
English Text: Levofloxacin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	293	293	
2	Resistant	62	355	
3	Intermediate	15	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXMR1	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Rifampin 1			
English Text: Rifampin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	368	368	
2	Resistant	2	370	
3	Intermediate	0	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBAMMT1	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Molecular type 1			
English Text: Molecular Type 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
RSMA.0012 to RSMA.0444	Range of Values	133	133	
SSMA.0005 to SSMA.0410	Range of Values	236	369	
NON-TYPE	Non-Type	1	370	
< blank >	Missing	8809	9179	

LBXBL1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		B-lactamase 1		
English Text: B-lactamase 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Negative	27	27	
2	Positive	0	27	
3	No result	343	370	
.	Missing	8809	9179	

LBXCD1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Clinda induction (D) test 1		
English Text: Clinda induction (D) test 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	No inducible resistance detected	29	29	
2	Inducible resistance detected	87	116	
3	No result	254	370	
.	Missing	8809	9179	

LBXCH1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Chloramphenicol 1		
English Text: Chloramphenicol 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	266	266	
2	Resistant	10	276	
3	Intermediate	94	370	
4	No Result	0	370	
.	Missing	8809	9179	

LBXDX1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Doxycycline 1		
English Text: Doxycycline 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	72	72	
2	Resistant	0	72	
3	Intermediate	0	72	
4	No Result	298	370	
.	Missing	8809	9179	

LBXDY1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Daptomycin 1		
English Text: Daptomycin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	189	189	
2	Nonsusceptible	1	190	
3	No result	180	370	
.	Missing	8809	9179	

LBXLZ1		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Linezolid 1		
English Text: Linezolid 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	370	370	
2	Non susceptible	0	370	
3	No result	0	370	
.	Missing	8809	9179	

LBXQD1	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Quinupristin-dalfopristin 1			
English Text: Quinupristin-dalfopristin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	254	254	
2	Resistant	0	254	
3	Intermediate	0	254	
4	No Result	116	370	
.	Missing	8809	9179	

LBXMS2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	S. aureus present 2			
English Text: S. aureus present 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	0	0	
2	No	0	0	
.	Missing	9179	9179	

LBXMT2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Tetracycline 2			
English Text: Tetracycline 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXMZ2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Trimethoprim/Sulfamethoxazole 2			
English Text: Trimethoprim/Sulfamethoxazole 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXMC2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Clindamycin 2			
English Text: Clindamycin 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXME2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Erythromycin 2			
English Text: Erythromycin 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXMP2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Penicillin 2		
English Text: Penicillin 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXMV2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Vancomycin 2		
English Text: Vancomycin 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXMO2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Oxacillin 2		
English Text: Oxacillin 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXMG2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Gentamicin 2		
English Text: Gentamicin 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXML2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Levofloxacin 2			
English Text: Levofloxacin 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXMR2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Rifampin 2			
English Text: Rifampin 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXBL2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		B-lactamase		
English Text: B-lactamase				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Negative	0	0	
2	Positive	0	0	
3	No result	0	0	
.	Missing	9179	9179	

LBXCD2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Clinda induction (D)		
English Text: Clinda induction (D)				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	No inducible resistance detected	0	0	
2	Inducible resistance detected	0	0	
3	No result	0	0	
.	Missing	9179	9179	

LBXCH2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Chloramphenicol		
English Text: Chloramphenicol				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXDX2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Doxycycline		
English Text: Doxycycline				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBXDY2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Daptomycin		
English Text: Daptomycin				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Nonsusceptible	0	0	
3	No result	0	0	
.	Missing	9179	9179	

LBXLZ2		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Linezolid		
English Text: Linezolid				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Nonsusceptible	0	0	
3	No result	0	0	
.	Missing	9179	9179	

LBXQD2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Quinupristin-dalfopristin			
English Text: Quinupristin-dalfopristin				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Sensitive	0	0	
2	Resistant	0	0	
3	Intermediate	0	0	
4	No Result	0	0	
.	Missing	9179	9179	

LBAMMT2	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Molecular type 2			
English Text: Molecular type 2				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
< blank >	Missing	9179	9179	

LBXETA		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Enterotoxin A		
English Text: Enterotoxin A				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	54	54	
2	Negative	316	370	
.	Missing	8809	9179	

LBXETB		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Enterotoxin B		
English Text: Enterotoxin B				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	31	31	
2	Negative	339	370	
.	Missing	8809	9179	

LBXETC		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Enterotoxin C		
English Text: Enterotoxin C				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	34	34	
2	Negative	336	370	
.	Missing	8809	9179	

LBXETD		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Enterotoxin D		
English Text: Enterotoxin D				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	74	74	
2	Negative	296	370	
.	Missing	8809	9179	

LBXETE		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Enterotoxin E		
English Text: Enterotoxin E				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	0	0	
2	Negative	370	370	
.	Missing	8809	9179	

LBXETH		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Enterotoxin H		
English Text: Enterotoxin H				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	20	20	
2	Negative	350	370	
.	Missing	8809	9179	

LBXTSS		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Toxic Shock Syndrome Toxin 1		
English Text: Toxic Shock Syndrome Toxin 1				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	71	71	
2	Negative	299	370	
.	Missing	8809	9179	

LBXPVL		Target		
		B(1 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Panton Valentine Leukocidin		
English Text: Panton Valentine Leukocidin				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Positive	26	26	
2	Negative	344	370	
.	Missing	8809	9179	

LBXSCC	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	SCCmec Type			
English Text: SCCmec Type				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Type I	0	0	
2	Type II	68	68	
3	Type III	0	68	
4	Type IV-No Subtype	18	86	
5	Type Iva	36	122	
6	Type Ivb	3	125	
7	Type Ivc	7	132	
8	Not Typable	1	133	
9	No data	237	370	
.	Missing	8809	9179	