



Antimicrobial Use and Resistance (AUR): Microbiology Laboratory Data Monthly Electronic Upload Specification Tables

These data will be collected in an aggregate monthly electronic file transfer from the facility to NHSN via Clinical Document Architecture (CDA).

Table 1. CDA File Descriptors <i>These data elements will be transmitted with each month's report.</i>		
Variable Name	Description of Variable	
orgid	NHSN Facility ID number	
location	NHSN location code	
month	Denominator month	
year	Denominator year	
createDate	Date the record was created	
createUserID	The user that created the record	
version	Version number of the software under which the data was collected	
modifyDate	Date the record was last updated	
modifyUserID	The user that last modified record	
modifyVersion	Version number of the software under which the data was last updated	
Table 2. Isolate Event Details <i>These data elements will be transmitted with each month's report.</i>		
Variable Name	Description of Variable	Examples
eventID	Event ID number	
specimenDate	Date specimen collected	
specimenSource	Specimen Source	Blood, lower respiratory, urine, cerebral spinal fluid
specBodySite	Specimen Body Site/System	
facilityAdmitDate	Date admitted to facility	
specimenLoc	Location of specimen collection	
pathogen	Identified pathogen	
PtDOB	Patient date of birth	
PtGender	Patient gender	
PtID	Patient ID number	
Table 2a. List of Eligible Pathogens <i>This is the list of pathogens that will be accepted into NHSN as part of the antimicrobial resistance reporting.</i>		
Streptococcus pneumoniae (STRPNE)	Staphylococcus aureus (STAAUR)	Enterococcus faecalis (ENCFAE)
Enterococcus faecium (ENCFAI)	Escherichia coli (ESCCOL)	Klebsiella pneumoniae (KLEPNE)
Pseudomonas aeruginosa (PSEAER)	Acinetobacter baumannii	Candida albicans
C. glabrata	C. parapsilosis	Citrobacter freundii
Enterobacter spp.	Proteus mirabilis	Serratia marcescens
Enterococcus spp. NOS	Stenotrophomonas maltophilia	Haemophilus influenza
Group A Streptococcus	Group B Streptococcus	Morganella morganii
<p>Assurance of Confidentiality: The voluntarily provided information obtained in this surveillance system that would permit identification of any individual or institution is collected with a guarantee that it will be held in strict confidence, will be used only for the purposes stated, and will not otherwise be disclosed or released without the consent of the individual, or the institution in accordance with Sections 304, 306 and 308(d) of the Public Health Service Act (42 USC 242b, 242k, and 242m(d)).</p> <p>Public reporting burden of this collection of information is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC, Reports Clearance Officer, 1600 Clifton Rd., MS D-74, Atlanta, GA 30333 ATTN: PRA (0920-0666).</p>		

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Table 3. Antimicrobial Susceptibility Details <i>These data elements will be transmitted with each month's report.</i>					
Variable Name	Description of Variable		Examples		
antibiotic	Antibiotic used for susceptibility test				
carbapenemases	Carbapenemases				
PBP2a-agglutination	PBP2a-agglutination				
PCRmec-gene	PCR mec-gene				
EtestSign	Etest sign		>, <, =		
MICsign	MIC sign				
MICinterp	Interpretation of the MIC test				
MICvalue	MIC value				
ZoneSign	Zone sign				
ZoneInterp	Interpretation of zone test				
ZoneValue	Zone value				
FinIntrep	Final interpretation result				
Table 3a. List of Antimicrobials used for Susceptibility Testing <i>This is the list of antimicrobials that will be accepted into NHSN as part of the antimicrobial resistance reporting.</i>					
Amikacin	Cefdinir	Chloramphenicol	Gemifloxacin	Nitrofurantoin	Sulfisoxazole
Amoxicillin	Cefepime	Ciprofloxacin	Gentamicin	Norfloxacin	Telithromycin
Amoxicillin-clavulanic acid	Cefixime	Clarithromycin	Imipenem	Ofloxacin	Tetracycline
Ampicillin	Cefotaxime	Clindamycin	Itraconazole	Oxacillin	Ticarcillin
Ampicillin-sulbactam	Cefoxitin	Daptomycin	Levofloxacin	Penicillin	Ticarcillin-clavulanate
Anidulafungin	Cefpodixime	Doripenem	Linezolid	Penicillin V	Tobramycin
Azithromycin	Cefprozil	Doxycycline	Lomefloxacin	Piperacillin	Trimethoprim
Aztreonam	Ceftazidime	Ertapenem	Meropenem	Piperacillin-tazobactam	Trimethoprim-sulfamethoxazole
Caspofungin	Ceftriaxone	Erythromycin	Micafungin	Posaconazole	Vancomycin
Cefaclor	Cefuroxime	Fluconazole	Minocycline	Quinupristin-dalfopristin	Voriconazole
Cefazolin	Cephalothin	Flucytosine	Moxifloxacin	Rifampin	
Table 4. Denominator Data <i>These data elements will be transmitted with each month's report.</i>					
Variable Name	Description of Variable				
numAdmissions	Number of admissions				
numPtDays	Number of inpatient days				
numCulture	Number of blood cultures performed				