



## 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).  
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<b>Table 1. CDA File Descriptors</b> <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	
<b>Table 2. Isolate Event Details</b> <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	
isolateID	Isolate identifier	
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	
<b>Table 2a. List of Eligible Pathogens</b> <i>This is the list of pathogens that will be accepted into NHSN as part of the antimicrobial resistance reporting.</i>		
Acinetobacter baumannii (ACBA)	Enterococcus spp. NOS (ENTSP)	Pseudomonas aeruginosa (PA)
Candida albicans (CA)	Escherichia coli (EC)	Serratia marcescens (SM)
Candida glabrata (CG)	Group B Streptococcus (GBS)	Staphylococcus aureus (SA)
Citrobacter freundii (CF)	Klebsiella oxytoca (KO)	Stenotrophomonas maltophilia (STEMA)
Enterobacter spp. (ESO)	Klebsiella pneumoniae (KP)	Streptococcus pneumoniae (SP)
Enterococcus faecalis (ENTFS)	Morganella morganii (MM)	
Enterococcus faecium (ENTFM)	Proteus mirabilis (PM)	
<b>Assurance of Confidentiality:</b> 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)).		
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).		
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<b>Table 3. Antimicrobial Susceptibility Details</b> <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			
PBP2a-agglutination	PBP2a-agglutination			
PCRMec-gene	PCR mec-gene			
EtestSign	Etest sign			>, <, =
EtestValue	Etest value			
EtestInterp	Interpretation of Etest			
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			
<b>Table 3a. List of Antimicrobials used for Susceptibility Testing</b> <i>This is the list of antimicrobials that will be accepted into NHSN as part of the antimicrobial resistance reporting.</i>				
Amikacin	Cefoxitin	Ertapenem	Micafungin	Quinupristin-dalfopristin
Amoxicillin	Ceftazidime	Erythromycin	Minocycline	Rifampin
Amoxicillin-clavulanic acid	Ceftriaxone	Fluconazole	Moxifloxacin	Streptomycin
Ampicillin	Cefuroxime	Flucytosine	Nitrofurantoin	Sulfisoxazole
Ampicillin-sulbactam	Cephalothin	Gemifloxacin	Norfloxacin	Telithromycin
Anidulafungin	Chloramphenicol	Gentamicin	Ofloxacin	Tetracycline
Azithromycin	Ciprofloxacin	Imipenem-cilastatin	Oxacillin	Ticarcillin
Aztreonam	Clarithromycin	Itraconazole	Penicillin G	Ticarcillin-clavulanate
Caspofungin	Clindamycin	Levofloxacin	Penicillin V	Trimethoprim
Cefazolin	Daptomycin	Linezolid	Piperacillin	Trimethoprim-sulfamethoxazole
Cefepime	Doripenem	Lomefloxacin	Piperacillin-tazobactam	Vancomycin
Cefotaxime	Doxycycline	Meropenem	Posaconazole	Voriconazole
<b>Table 4. Denominator Data</b> <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			