NHSN
NATIONAL HEALTHCARE
SAFETY NETWORK

Form Approved
OMB No. 0920-0666
Exp. Date: 12/31/2026
www.cdc.gov/nhsn

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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Table 1. CDA File Descriptors *These data elements will be transmitted with each month's report.*	
Variable Name	**Description of Variable**
orgid	NHSN Facility ID number
location	NHSN location code
month	Denominator month
year	Denominator year
Application OID	Vendor software ID number
SDS validation ID	ID provided by NHSN Team confirming vendor software passed validation

Table 2. Isolate Event Details *These data elements will be transmitted with each month's report.*		
Variable Name	**Description of Variable**	**Examples**
eventID	Event ID number	
specimenDate	Date specimen collected	
specimenSource	Specimen Source	Blood, lower respiratory, urine, cerebral spinal fluid, skin, soft tissue, wound, musculoskeletal
isolateID	Isolate identifier	
facilityAdmitDate	Date admitted to facility	
admitStatus	Was patient admitted to an inpatient location	Y/N
specimenLoc	Location of specimen collection	
pathogen	Identified pathogen	
PtDOB	Patient date of birth	
PtGender	Patient gender	
PtID	Patient ID number	
PtRace	Patient race Select all that apply): American Indian or Alaska Native Asian Black or African American Middle Eastern or North African Native Hawaiian or Pacific Islander White Unknown Declined to respond	
PtEthnicity	Patient ethnicity Hispanic or Latino Not Hispanic or Latino Unknown Declined to respond	
PtSexatBirth	Patient sex at birth F M Unknown	
PtGenderIdentity	Patient gender identity Male Female Male-to-female transgender Female-to-male transgender Identifies as non-conforming Other Asked but unknown	
PtLanguage	Patient language	

| PtInterpreterNeeded | Patient interpreter needed | |
| PtInterpreterUsed | Patient interpreter used | |

Table 2a. List of Eligible Pathogens	*This is the list of pathogens that will be accepted into NHSN as part of the antimicrobial resistance reporting. Complete list of accepted is found in the NHSN IDM Workbook.*	
Acinetobacter species		Morganella morganii
Candida species		Proteus species
	Enterobacter species	
	Enterococcus faecalis	
	Enterococcus faecium	Pseudomonas aeruginosa
	Enterococcus species	Serratia marcescens
Citrobacter species	Escherichia coli	Staphylococcus aureus
	Klebsiella species	Stenotrophomonas maltophilia
		Streptococcus agalactiae
		Streptococcus pneumoniae
		Streptococcus pyogenes

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Table 3. Antimicrobial Susceptibility Details   *These data elements will be transmitted with each month's report.*

Variable Name	Description of Variable	Examples
drug test	Antimicrobial 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	
MolecularTest	Rapid molecular detection of antimicrobial resistance markers	
MolecularTestResult	Result of rapid molecular detection of antimicrobial resistance markers test	
FinIntrep	Final interpretation result	

Table 3a. List of Antimicrobials used for Susceptibility Testing   *This is the list of antimicrobials that will be accepted into NHSN as part of the antimicrobial resistance reporting.*

Amikacin	Cefoxitin		Meropenem	Rezafungin
Amoxicillin	Ceftaroline	Doxycycline	Meropenem-vaborbactam	Rifampin
Amoxicillin-clavulanic acid	Ceftazidime	Ertapenem	Micafungin	Streptomycin
Amphotericin B	Ceftazidime/Avibactam	Erythromycin	Minocycline	Streptomycin – high level
Ampicillin	Ceftibuten	Fluconazole	Moxifloxacin	Sulbactam/Durlobactam
Ampicillin-sulbactam	Ceftolozane/Tazobactam	Fosfomycin	Nitrofurantoin	
Anidulafungin	Ceftriaxone		Oritavancin	Tedizolid
Azithromycin	Cefuroxime	Gentamicin	Oxacillin	Telavancin
Aztreonam		Gentamicin – high level	Penicillin G	Tetracycline
Caspofungin	Ciprofloxacin	Imipenem-cilastatin	Penicillin V	
Cefazolin	Clarithromycin	Imipenem-relebactam with cilastatin	Piperacillin-tazobactam	Trimethoprim-sulfamethoxazole
Cefepime	Clindamycin	Lefamulin	Plazomicin	Vancomycin
Cefiderocol	Colistin	Levofloxacin	Polymyxin B	Voriconazole
Cefotaxime	Dalbavancin	Linezolid	Posaconazole	
Cefotetan	Daptomycin			

Table 4. Denominator Data   *These data elements will be transmitted with each month's report.*

Variable Name	Description of Variable
numAdmissions	Number of admissions
numPtDays	Number of inpatient days
numEncounters	Number of outpatient encounters
noAREvent	No AR Events were identified