

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			
PtEthnicity	Declined to respond			
	Patient ethnicity Hispanic or Latino Not Hispanic or Latino Unknown			
PtSexatBirth	Declined to respond			
PtGenderIdentity	Patient sex at birth F M Unknown			
	Patient gender identity Male Female Male-to-female transgender Female-to-male transgender Identifies as non-conforming Other			
PtGenderIdentity	Asked but unknown			
PtLanguage	Patient language			

PtInterpreterNeeded	Patient interpreter needed	
PtInterpreterUsed	Patient interpreter used	
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. Complete list of accepted is found in the NHSN IDM Workbook.</i>
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
Amoxicillin-clavulanic acid	Ceftazidime	Ertapenem	Micafungin
Amphotericin B	Ceftazidime/Avibactam	Erythromycin	Minocycline
Ampicillin	Ceftibuten	Fluconazole	Moxifloxacin
Ampicillin-sulbactam	Ceftolozane/Tazobactam	Fosfomycin	Nitrofurantoin
Anidulafungin	Ceftriaxone		Oritavancin
Azithromycin	Cefuroxime	Gentamicin	Oxacillin
Aztreonam		Gentamicin – high level	Penicillin G
Caspofungin	Ciprofloxacin	Imipenem-cilastatin	Penicillin V
Cefazolin	Clarithromycin	Imipenem-relebactam with cilastatin	Piperacillin-tazobactam
Cefepime	Clindamycin	Lefamulin	Plazomicin
Cefiderocol	Colistin	Levofloxacin	Polymyxin B
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