

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									
PtRace		Declined to respond									
PtEthnicity		Patient ethnicity									
		Hispanic or Latino Not Hispanic or Latino Unknown									
PtEthnicity		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									
PtGenderIdentity		Other									
PtGenderIdentity		Asked but unknown									
Ptl language		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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CDC 57.123 v10, 13.0		

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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