

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									
PtSex		Patient sex									
PtID		Patient ID number									
PtRace		Patient race									
PtEthnicity		Patient ethnicity									
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 pathogens is found in the NHSN IDM Workbook.					
Acinetobacter species			Enterococcus species			Serratia marcescens					
Candida species			Escherichia coli			Staphylococcus aureus					
Citrobacter species			Klebsiella species			Stenotrophomonas maltophilia					
Enterobacter species			Morganella morganii			Streptococcus agalactiae					
Enterococcus faecalis			Proteus species			Streptococcus pneumoniae					
Enterococcus faecium			Pseudomonas aeruginosa			Streptococcus pyogenes					
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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 H21-8, Atlanta, GA 30333, ATTN: PRA (0920-0666).											
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	
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	Cefotetan	Daptomycin	Meropenem-vaborbactam	Rifampin
Amoxicillin	Cefoxitin	Doxycycline	Micafungin	Streptomycin
Amoxicillin-clavulanic acid	Ceftaroline	Ertapenem	Minocycline	Streptomycin – high level
Amphotericin B	Ceftazidime	Erythromycin	Moxifloxacin	Sulbactam/Durlobactam
Ampicillin	Ceftazidime/Avibactam	Fluconazole	Nitrofurantoin	Tedizolid
Ampicillin-sulbactam	Ceftibuten	Fosfomycin	Oritavancin	Telavancin
Anidulafungin	Ceftolozane/Tazobactam	Gentamicin	Oxacillin	Tetracycline
Azithromycin	Ceftriaxone	Gentamicin – high level	Penicillin G	Trimethoprim-sulfamethoxazole
Aztreonam	Cefuroxime	Imipenem-cilastatin	Penicillin V	Vancomycin
Caspofungin	Ciprofloxacin	Imipenem-relebactam with cilastatin	Piperacillin-tazobactam	Voriconazole
Cefazolin	Clarithromycin	Lefamulin	Plazomicin	
Cefepime	Clindamycin	Levofloxacin	Polymyxin B	
Cefiderocol	Colistin	Linezolid	Posaconazole	
Cefotaxime	Dalbavancin	Meropenem	Rezafungin	

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