

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 <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	
Application OID	Vendor software ID number	
SDS validation ID	ID provided by NHSN Team confirming vendor software passed validation	
Table 2. Isolate Event Details <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	
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	
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	Enterobacter species	Proteus mirabilis
Candida albicans	Enterococcus faecalis	Proteus penneri
Candida auris	Enterococcus faecium	Proteus vulgaris
Candida glabrata	Enterococcus species	Pseudomonas aeruginosa
Candida parapsilosis	Escherichia coli	Serratia marcescens
Candida tropicalis	Klebsiella aerogenes	Staphylococcus aureus
Citrobacter amalonaticus	Klebsiella oxytoca	Stenotrophomonas maltophilia
Citrobacter freundii	Klebsiella pneumoniae	Streptococcus agalactiae
Citrobacter koseri	Morganella morganii	Streptococcus pneumoniae
<p>Assurance of Confidentiality: 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)).</p> <p>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). CDC 57.123 v8, 11.3</p>		

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Table 3. Antimicrobial Susceptibility Details <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			
Table 3a. List of Antimicrobials used for Susceptibility Testing <i>This is the list of antimicrobials that will be accepted into NHSN as part of the antimicrobial resistance reporting.</i>				
Amikacin	Cefotetan	Dalbavancin	Levofloxacin	Polymyxin B
Amoxicillin	Cefoxitin	Daptomycin	Linezolid	Posaconazole
Amoxicillin-clavulanic acid	Ceftaroline	Doripenem	Meropenem	Quinupristin-dalfopristin
Ampicillin	Ceftazidime	Doxycycline	Meropenem-vaborbactam	Rifampin
Ampicillin-sulbactam	Ceftazidime/Avibactam	Ertapenem	Micafungin	Streptomycin
Anidulafungin	Ceftolozane/Tazobactam	Erythromycin	Minocycline	Sulfisoxazole
Azithromycin	Ceftriaxone	Fluconazole	Moxifloxacin	Tedizolid
Aztreonam	Cefuroxime	Fosfomycin	Nitrofurantoin	Telavancin
Caspofungin	Chloramphenicol	Gemifloxacin	Oritavancin	Tetracycline
Cefazolin	Ciprofloxacin	Gentamicin	Oxacillin	Trimethoprim
Cefepime	Clarithromycin	Imipenem-cilastatin	Penicillin G	Trimethoprim-sulfamethoxazole
Cefiderocol	Clindamycin	Imipenem-relebactam with cilastatin	Penicillin V	Vancomycin
Cefotaxime	Colistin	Lefamulin	Piperacillin-tazobactam	Voriconazole
Table 4. Denominator Data <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			
numEncounters	Number of outpatient encounters			
noAREvent	No AR Events were identified			