



2022 Carbapenem Resistant Enterobacteriaceae (CRE)/ Carbapenem Resistant *A. baumannii* (CRAB) Multi-site Gram-Negative Surveillance Initiative (MuGSI) Healthcare-Associated Infections Community Interface (HAIC) Case Report

Form Approved
OMB No. 0920-0978

Patient's Name: _____		Phone no.: _____	
Address: _____		MRN: _____	
Address Type: _____		Hospital: _____	
----Patient Identifier information is not transmitted to CDC----			

DEMOGRAPHICS

1. STATE: _____	2. COUNTY: _____	3. STATE ID: _____	4a. LABORATORY ID WHERE INCIDENT SPECIMEN IDENTIFIED: _____	4b. FACILITY ID WHERE PATIENT TREATED: _____	
5. DATE OF BIRTH: (mm/dd/yyyy) _____ 6. AGE: _____ <input type="radio"/> Days <input type="radio"/> Mos <input type="radio"/> Yrs		7. SEX AT BIRTH: <input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Unknown <input type="checkbox"/> Check if transgender	8a. ETHNIC ORIGIN: <input type="radio"/> Hispanic or Latino <input type="radio"/> Not Hispanic or Latino <input type="radio"/> Unknown	8b. RACE: (Check all that apply) <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Unknown	

9a. DATE OF INCIDENT SPECIMEN COLLECTION (DISC): (mm/dd/yyyy) _____	10. ORGANISM: <input type="radio"/> CRE <input type="radio"/> CRAB If CRE, select one of the following: <input type="radio"/> <i>Escherichia coli</i> <input type="radio"/> <i>Klebsiella aerogenes</i> <input type="radio"/> <i>Klebsiella oxytoca</i> <input type="radio"/> <i>Enterobacter cloacae</i> <input type="radio"/> <i>Klebsiella pneumoniae</i>
9b. TIME OF DISC: (HH:MM-Military Format) _____	

11. INCIDENT SPECIMEN COLLECTION SITE:

<input type="checkbox"/> Blood	<input type="checkbox"/> Peritoneal fluid	<input type="checkbox"/> Urine
<input type="checkbox"/> Bone	<input type="checkbox"/> Pericardial fluid	<input type="checkbox"/> Wound (specify): _____ (CRAB only)
<input type="checkbox"/> Bronchoalveolar lavage (CRAB only, complete Q23c)	<input type="checkbox"/> Pleural fluid	<input type="checkbox"/> Other LRT site (specify): _____ (CRAB only, complete Q23c)
<input type="checkbox"/> CSF	<input type="checkbox"/> Joint/synovial fluid	<input type="checkbox"/> Other normally sterile site (specify): _____
<input type="checkbox"/> Internal body site (specify): _____	<input type="checkbox"/> Sputum (CRAB only, complete Q23c)	
<input type="checkbox"/> Muscle	<input type="checkbox"/> Tracheal aspirate (CRAB only, complete Q23c)	

<p>12. LOCATION OF SPECIMEN COLLECTION:</p> <table style="width: 100%;"> <tr> <td><input type="radio"/> OUTPATIENT Facility ID: _____</td> <td><input type="radio"/> INPATIENT Facility ID: _____</td> <td><input type="radio"/> LTCF Facility ID: _____</td> </tr> <tr> <td><input type="radio"/> Emergency room</td> <td><input type="radio"/> ICU</td> <td><input type="radio"/> LTACH Facility ID: _____</td> </tr> <tr> <td><input type="radio"/> Clinic/Doctor's office</td> <td><input type="radio"/> OR</td> <td><input type="radio"/> Autopsy</td> </tr> <tr> <td><input type="radio"/> Dialysis center</td> <td><input type="radio"/> Radiology</td> <td><input type="radio"/> Other (Specify): _____</td> </tr> <tr> <td><input type="radio"/> Surgery</td> <td><input type="radio"/> Other inpatient</td> <td><input type="radio"/> Unknown</td> </tr> <tr> <td><input type="radio"/> Observational/ Clinical decision unit</td> <td></td> <td></td> </tr> <tr> <td><input type="radio"/> Other outpatient</td> <td></td> <td></td> </tr> </table>	<input type="radio"/> OUTPATIENT Facility ID: _____	<input type="radio"/> INPATIENT Facility ID: _____	<input type="radio"/> LTCF Facility ID: _____	<input type="radio"/> Emergency room	<input type="radio"/> ICU	<input type="radio"/> LTACH Facility ID: _____	<input type="radio"/> Clinic/Doctor's office	<input type="radio"/> OR	<input type="radio"/> Autopsy	<input type="radio"/> Dialysis center	<input type="radio"/> Radiology	<input type="radio"/> Other (Specify): _____	<input type="radio"/> Surgery	<input type="radio"/> Other inpatient	<input type="radio"/> Unknown	<input type="radio"/> Observational/ Clinical decision unit			<input type="radio"/> Other outpatient			<p>13. WHERE WAS THE PATIENT LOCATED ON THE 3RD CALENDAR DAY BEFORE THE DISC?</p> <table style="width: 100%;"> <tr> <td><input type="radio"/> Private residence</td> <td><input type="radio"/> LTACH Facility ID: _____</td> </tr> <tr> <td><input type="radio"/> LTCF Facility ID: _____</td> <td><input type="radio"/> Homeless</td> </tr> <tr> <td><input type="radio"/> Hospital inpatient Facility ID: _____</td> <td><input type="radio"/> Incarcerated</td> </tr> <tr> <td>Was the patient transferred from this hospital? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown</td> <td><input type="radio"/> Other (specify): _____</td> </tr> <tr> <td></td> <td><input type="radio"/> Unknown</td> </tr> </table>	<input type="radio"/> Private residence	<input type="radio"/> LTACH Facility ID: _____	<input type="radio"/> LTCF Facility ID: _____	<input type="radio"/> Homeless	<input type="radio"/> Hospital inpatient Facility ID: _____	<input type="radio"/> Incarcerated	Was the patient transferred from this hospital? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Other (specify): _____		<input type="radio"/> Unknown
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	<input type="radio"/> Unknown																															

<p>14. WAS THE PATIENT HOSPITALIZED ON THE DAY OF OR IN THE 29 CALENDAR DAYS AFTER THE DISC?</p> <p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown</p> <p>IF YES, DATE OF ADMISSION: (mm/dd/yyyy) _____</p>	<p>15a. WAS THE PATIENT IN AN ICU IN THE 7 DAYS BEFORE THE DISC?</p> <p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown</p> <p>IF YES, DATE OF ICU ADMISSION: (mm/dd/yyyy) _____ OR <input type="checkbox"/> Date unknown</p> <p>15b. WAS THE PATIENT IN AN ICU ON THE DAY OF INCIDENT SPECIMEN COLLECTION OR IN THE 6 DAYS AFTER THE DISC?</p> <p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown</p> <p>IF YES, DATE OF ICU ADMISSION: (mm/dd/yyyy) _____ OR <input type="checkbox"/> Date unknown</p>
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16. PATIENT OUTCOME: Survived Died Unknown

DATE OF DISCHARGE: (mm/dd/yyyy) _____ OR _____ DATE OF DEATH: (mm/dd/yyyy) _____ OR Date unknown

Date unknown Left against medical advice (AMA)

ON THE DAY OF OR IN THE 6 CALENDAR DAYS BEFORE DEATH, WAS THE PATHOGEN OF INTEREST ISOLATED FROM A SITE THAT MEETS THE CASE DEFINITION?
 Yes No Unknown

IF SURVIVED, DISCHARGED TO:
 Private residence Other (specify): _____
 LTCF, Facility ID: _____
 LTACH, Facility ID: _____ Unknown

Public reporting burden of this collection of information is estimated to average 28 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/ATSDR Information Collection Review Office, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30329; ATTN: PRA (0920-0978).

17a. TYPES OF INFECTION ASSOCIATED WITH CULTURE(S): (Check all that apply): None Colonized Unknown

<input type="checkbox"/> Abscess, not skin	<input type="checkbox"/> Decubitus/pressure ulcer	<input type="checkbox"/> Pneumonia (CRAB cases, complete Q23c)	<input type="checkbox"/> Surgical site infection (internal)
<input type="checkbox"/> AV fistula/graft infection	<input type="checkbox"/> Empyema	<input type="checkbox"/> Pyelonephritis	<input type="checkbox"/> Traumatic wound
<input type="checkbox"/> Bacteremia	<input type="checkbox"/> Endocarditis	<input type="checkbox"/> Septic arthritis	<input type="checkbox"/> Urinary tract infection
<input type="checkbox"/> Bursitis	<input type="checkbox"/> Epidural abscess	<input type="checkbox"/> Septic emboli	<input type="checkbox"/> Other (specify): _____
<input type="checkbox"/> Catheter site infection (CVC)	<input type="checkbox"/> Meningitis	<input type="checkbox"/> Septic shock	
<input type="checkbox"/> Cellulitis	<input type="checkbox"/> Osteomyelitis	<input type="checkbox"/> Skin abscess	
<input type="checkbox"/> Chronic ulcer/wound (not decubitus)	<input type="checkbox"/> Peritonitis	<input type="checkbox"/> Surgical incision infection	

17b. RECURRENT UTI Yes No Unknown **17c. WAS THE PATIENT TREATED FOR THE MUGSI ORGANISM?** Yes No Unknown

18. UNDERLYING CONDITIONS: (Check all that apply) None Unknown

CHRONIC LUNG DISEASE <input type="checkbox"/> Cystic fibrosis <input type="checkbox"/> Chronic pulmonary disease	IMMUNOCOMPROMISED CONDITION <input type="checkbox"/> HIV infection <input type="checkbox"/> AIDS/CD4 count < 200 <input type="checkbox"/> Primary immunodeficiency <input type="checkbox"/> Transplant, hematopoietic stem cell <input type="checkbox"/> Transplant, solid organ	NEUROLOGIC CONDITION <input type="checkbox"/> Cerebral palsy <input type="checkbox"/> Chronic cognitive deficit <input type="checkbox"/> Dementia <input type="checkbox"/> Epilepsy/seizure/seizure disorder <input type="checkbox"/> Multiple sclerosis <input type="checkbox"/> Neuropathy <input type="checkbox"/> Parkinson's disease <input type="checkbox"/> Other (specify): _____	SKIN CONDITION <input type="checkbox"/> Burn <input type="checkbox"/> Decubitus/pressure ulcer <input type="checkbox"/> Surgical wound <input type="checkbox"/> Other chronic ulcer or chronic wound <input type="checkbox"/> Other (specify): _____
CHRONIC METABOLIC DISEASE <input type="checkbox"/> Diabetes mellitus <input type="checkbox"/> With chronic complications	LIVER DISEASE <input type="checkbox"/> Chronic liver disease <input type="checkbox"/> Ascites <input type="checkbox"/> Cirrhosis <input type="checkbox"/> Hepatic encephalopathy <input type="checkbox"/> Variceal bleeding <input type="checkbox"/> Hepatitis C <input type="checkbox"/> Treated, in SVR <input type="checkbox"/> Current, chronic	PLEGIAS/PARALYSIS <input type="checkbox"/> Hemiplegia <input type="checkbox"/> Paraplegia <input type="checkbox"/> Quadriplegia	OTHER <input type="checkbox"/> Connective tissue disease <input type="checkbox"/> Obesity or morbid obesity <input type="checkbox"/> Pregnant
CARDIOVASCULAR DISEASE <input type="checkbox"/> CVA/Stroke/TIA <input type="checkbox"/> Congenital heart disease <input type="checkbox"/> Congestive heart failure <input type="checkbox"/> Myocardial infarction <input type="checkbox"/> Peripheral vascular disease (PVD)	MALIGNANCY <input type="checkbox"/> Malignancy, hematologic <input type="checkbox"/> Malignancy, solid organ (non-metastatic) <input type="checkbox"/> Malignancy, solid organ (metastatic)	RENAL DISEASE <input type="checkbox"/> Chronic kidney disease Lowest serum creatinine: _____ mg/DL <input type="checkbox"/> Unknown or not done	MUGSI CONDITIONS <input type="checkbox"/> Urinary tract problems/abnormalities <input type="checkbox"/> Premature birth <input type="checkbox"/> Spina bifida
GASTROINTESTINAL DISEASE <input type="checkbox"/> Diverticular disease <input type="checkbox"/> Inflammatory bowel disease <input type="checkbox"/> Peptic ulcer disease <input type="checkbox"/> Short gut syndrome			

19. SUBSTANCE USE

SMOKING: (Check all that apply) None Unknown Tobacco E-nicotine delivery system Marijuana

ALCOHOL ABUSE
 Yes No Unknown

OTHER SUBSTANCES: (Check all that apply) None Unknown

	DUD/ ABUSE	MODE OF DELIVERY (Check all that apply)			
<input type="checkbox"/> Marijuana, cannabinoid (other than smoking)	<input type="checkbox"/> DUD or abuse	<input type="checkbox"/> IDU	<input type="checkbox"/> Skin popping	<input type="checkbox"/> Non-IDU	<input type="checkbox"/> Unknown
<input type="checkbox"/> Opioid, DEA schedule I (e.g., heroin)	<input type="checkbox"/> DUD or abuse	<input type="checkbox"/> IDU	<input type="checkbox"/> Skin popping	<input type="checkbox"/> Non-IDU	<input type="checkbox"/> Unknown
<input type="checkbox"/> Opioid, DEA schedule II-IV (e.g., methadone, oxycodone)	<input type="checkbox"/> DUD or abuse	<input type="checkbox"/> IDU	<input type="checkbox"/> Skin popping	<input type="checkbox"/> Non-IDU	<input type="checkbox"/> Unknown
<input type="checkbox"/> Opioid, NOS	<input type="checkbox"/> DUD or abuse	<input type="checkbox"/> IDU	<input type="checkbox"/> Skin popping	<input type="checkbox"/> Non-IDU	<input type="checkbox"/> Unknown
<input type="checkbox"/> Cocaine	<input type="checkbox"/> DUD or abuse	<input type="checkbox"/> IDU	<input type="checkbox"/> Skin popping	<input type="checkbox"/> Non-IDU	<input type="checkbox"/> Unknown
<input type="checkbox"/> Methamphetamine	<input type="checkbox"/> DUD or abuse	<input type="checkbox"/> IDU	<input type="checkbox"/> Skin popping	<input type="checkbox"/> Non-IDU	<input type="checkbox"/> Unknown
<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> DUD or abuse	<input type="checkbox"/> IDU	<input type="checkbox"/> Skin popping	<input type="checkbox"/> Non-IDU	<input type="checkbox"/> Unknown
<input type="checkbox"/> Unknown substance	<input type="checkbox"/> DUD or abuse	<input type="checkbox"/> IDU	<input type="checkbox"/> Skin popping	<input type="checkbox"/> Non-IDU	<input type="checkbox"/> Unknown

DURING THE CURRENT HOSPITALIZATION, DID THE PATIENT RECEIVE MEDICATION ASSISTED TREATMENT (MAT) FOR OPIOID USE DISORDER?
 Yes No N/A (patient not hospitalized or did not have DUD)

20. RISK FACTORS: (Check all that apply) None Unknown

WAS INCIDENT SPECIMEN COLLECTED 3 OR MORE CALENDAR DAYS AFTER HOSPITAL ADMISSION? Yes No

PREVIOUS HOSPITALIZATION IN THE YEAR BEFORE DISC Yes No Unknown

IF YES, DATE OF DISCHARGE CLOSEST TO DISC: (mm/dd/yyyy) _____ OR, DATE UNKNOWN

Facility ID: _____

OVERNIGHT STAY IN LTCF IN THE YEAR BEFORE DISC: Yes No Unknown

Facility ID: _____

OVERNIGHT STAY IN LTACH IN THE YEAR BEFORE DISC: Yes No Unknown

Facility ID: _____

SURGERY IN THE YEAR BEFORE DISC: Yes No Unknown

CURRENT CHRONIC DIALYSIS: Yes No Unknown

IF YES, TYPE
 Hemodialysis Peritoneal Unknown

IF HEMODIALYSIS, TYPE OF VASCULAR ACCESS:
 AV fistula/graft Hemodialysis central line Unknown

CENTRAL LINE IN PLACE ON THE DISC (UP TO THE TIME OF COLLECTION), OR AT ANY TIME IN THE 2 CALENDAR DAYS BEFORE DISC: Yes No Unknown

Check here if central line in place for > 2 calendar days

URINARY CATHETER IN PLACE ON THE DISC (UP TO THE TIME OF COLLECTION), OR AT ANY TIME IN THE 2 CALENDAR DAYS BEFORE DISC
 Yes No Unknown

IF YES, CHECK ALL THAT APPLY:
 Indwelling Urethral Catheter Condom Catheter
 Suprapubic Catheter Other (specify): _____

ANY OTHER INDWELLING DEVICE IN PLACE ON THE DISC UP TO THE TIME OF COLLECTION), OR AT ANY TIME IN THE 2 CALENDAR DAYS BEFORE DISC:
 Yes No Unknown

IF YES, CHECK ALL THAT APPLY:
 ET/NT Tube Tracheostomy
 Gastrostomy Tube Nephrostomy Tube
 NG Tube Other (specify): _____

PATIENT TRAVELED INTERNATIONALLY IN THE YEAR BEFORE DISC:
 Yes No Unknown

COUNTRY(IES): _____

PATIENT HOSPITALIZED WHILE VISITING COUNTRY(IES) ABOVE:
 Yes No Unknown

21a. WEIGHT: _____ lbs. _____ oz. OR _____ kg Unknown

21b. HEIGHT: _____ ft. _____ in. OR _____ cm Unknown

21c. BMI: _____ Unknown

URINE CULTURES ONLY:

22a. WAS THE URINE COLLECTED THROUGH AN INDWELLING URETHRAL CATHETER?

Yes No Unknown

URINE CULTURES ONLY:

22b. RECORD THE COLONY COUNT:

URINE CULTURES ONLY:

22c. SIGNS AND SYMPTOMS ASSOCIATED WITH URINE CULTURE

Please indicate if any of the following symptoms were reported during the 5 day time period including the 2 calendar days before through the 2 calendar days after the DISC.

- None
- Unknown
- Costovertebral angle pain or tenderness
- Dysuria
- Fever [temperature ≥ 100.4 °F (38 °C)]
- Frequency
- Suprapubic tenderness
- Urgency

Symptoms for patients ≤ 1 year of age only:

- Apnea
- Bradycardia
- Lethargy
- Vomiting

Complete questions 23a-23b ONLY for A. BAUMANNII cases:

23a. DID THE PATIENT HAVE A SPUTUM CULTURE POSITIVE FOR CRAB IN THE 30 DAYS BEFORE THE DISC?

Yes No Unknown N/A

23b. RISK FACTORS IN THE 7 DAYS BEFORE THE DISC:

- Non-invasive positive pressure ventilation (CPAP or BiPAP) at any time in the 7 calendar days before the DISC
- Nebulizer treatment at any time in the 7 calendar days before the DISC
- Mechanical ventilation at any time in the 7 calendar days before the DISC

Complete question 23c ONLY for A. BAUMANNII cases from LRT site cultures or for non-LRT cultures where pneumonia is marked in question 17a.

23c. CHEST RADIOLOGY FINDINGS: (Check all that apply)

- Not done
- No report available
- Acute respiratory distress syndrome (ARDS)
- Air space density/opacity
- Ground glass opacities/infiltrates
- Bronchopneumonia/pneumonia
- Cannot rule out pneumonia
- Cavitation
- Consolidation
- Infiltrate
- Pleural effusion
- Nodules
- No evidence of pneumonia

24a. DID THE PATIENT HAVE A POSITIVE TEST(S) FOR SARS-CoV-2 (MOLECULAR ASSAY, SEROLOGY OR OTHER CONFIRMATORY TEST) IN THE YEAR BEFORE OR DAY OF THE DISC?

Yes No Unknown

24b. IF YES, COMPLETE THE TABLE BELOW FOR THE MOST RECENT POSITIVE SARS-COV-2 TEST IN THE YEAR BEFORE OR DAY OF THE DISC:

SPECIMEN COLLECTION DATE	TEST TYPE
_____	<input type="checkbox"/> Molecular assay <input type="checkbox"/> Antigen <input type="checkbox"/> Serology <input type="checkbox"/> Unknown <input type="checkbox"/> Other (specify): _____
<input type="checkbox"/> Unknown	

24c. COVID-NET CASE ID: _____

24d. NNDSS IDs: (please provide at least one of the following when applicable)

Local case ID: _____ Local record ID: _____ State case identifier: _____
 Legacy case identifier: _____ CDC 2019-nCoV ID: _____

25. WAS THE INCIDENT SPECIMEN POLYMICROBIAL?

Yes No Unknown

26b. IF YES, WHAT TESTING METHOD WAS USED? (Check all that apply)

- | | |
|---|--|
| <p>Non-Molecular Test Methods:</p> <ul style="list-style-type: none"> <input type="checkbox"/> CarbaNP <input type="checkbox"/> Carbapenemase Inactivation Method (CIM) <input type="checkbox"/> CPO Detect <input type="checkbox"/> Disk Diffusion/ROSCO Disk E-test <input type="checkbox"/> Modified Carbapenemase Inactivation Method (mCIM) <input type="checkbox"/> Modified Hodge Test (MHT) <input type="checkbox"/> RAPIDEC <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> Unknown | <p>Molecular Test Methods:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Automated Molecular Assay <input type="checkbox"/> Carba-R <input type="checkbox"/> Check Points <input type="checkbox"/> MALDI-TOF MS <input type="checkbox"/> Next Generation Nucleic Acid Sequencing <input type="checkbox"/> PCR <input type="checkbox"/> Streck ARM-D <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> Unknown |
|---|--|

26a. WAS THE INCIDENT SPECIMEN TESTED FOR CARBAPENEMASE GENES?

Yes No Laboratory not testing Unknown

26c. IF TESTED, WHAT WAS THE TESTING RESULT?

- Non-Molecular Test Results:**
 Positive Indeterminate Negative Unknown
- MOLECULAR TEST RESULTS:**
- | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|
| <input type="checkbox"/> NDM | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| <input type="checkbox"/> KPC | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| <input type="checkbox"/> OXA (specify): _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| <input type="checkbox"/> VIM | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| <input type="checkbox"/> IMP | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| <input type="checkbox"/> Other carbapenemase gene (specify): _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |

27a. WAS THE INCIDENT SPECIMEN TESTED FOR ESBL PRODUCTION OR OTHER BETA-LACTAMASE GENES?

Yes
 No
 Laboratory not testing
 Unknown

27b. IF TESTED, WHAT TESTING METHOD WAS USED? (Check all that apply):

- Broth Microdilution (ATI detection)
 - ESBL well
 - Expert rule (ATI flag)
 - Unknown
- Broth Microdilution (Manual)
- Disk Diffusion
- E-test
- Molecular test (specify): _____
 - Gene variant (specify): _____
- Other non-molecular test (specify): _____

27c. IF TESTED, WHAT WAS THE RESULT?

- | | | | | |
|-------|---------------------------|---------------------------|---------------------------|---------------------------|
| _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |
| _____ | <input type="radio"/> Pos | <input type="radio"/> Neg | <input type="radio"/> Ind | <input type="radio"/> Unk |

28. SUSCEPTIBILITY RESULTS:

Please complete the table below based on the results from the data source (Accelerate Pheno System, E-test, Kirby Bauer, Microscan, Phoenix, Sensititre, Vitek, or Medical Record).

Antibiotic	Data source:		Data source:		Data source:	
	MIC or zone diameter	Interpretation	MIC or zone diameter	Interpretation	MIC or zone diameter	Interpretation
Amikacin						
Amoxicillin/Clavulanate						
Ampicillin						
Ampicillin/Sulbactam						
Aztreonam						
Cefazolin						
Cefepime						
Cefiderocol						
Cefotaxime						
Cefoxitin						
Ceftazidime						
Ceftazidime/Avibactam						
Ceftolozane/Tazobactam						
Ceftriaxone						
Cephalothin						
Ciprofloxacin						
Colistin						
Doripenem						
Doxycycline						
Eravacycline						
Ertapenem						
Fosfomycin						
Gentamicin						
Imipenem						
Imipenem-relebactam						
Levofloxacin						
Meropenem						
Meropenem-vaborbactam						
Minocycline						
Moxifloxacin						
Nitrofurantoin						
Omadacycline						
Piperacillin/Tazobactam						
Plazomicin						
Polymyxin B						
Rifampin						
Tetracycline						
Tigcycline						
Tobramycin						
Trimethoprim-sulfamethoxazole						

29a. WAS THE CASE FIRST IDENTIFIED THROUGH AN AUDIT?

- Yes
- No

29b. CRF STATUS:

- Complete
- Pending
- Chart unavailable after 3 requests
- Complete - pending data

29c. SO INITIALS:

29d. DATE OF ABSTRACTION: (mm/dd/yyyy)

29e. COMMENTS: