

20<mark>20</mark> 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 Exp. Date: XX-XX-XXXX

									·			
Patient's Name	e:					Р	hone no. ()				
Address:								MRN:				
City: State						ZIP: Hospital:						
		•	Pat	ient Identifier i	informa	tion is not transmitted	to CDC					
DEMOGRAPHICS	3							.				
1. STATE:	2. COUNTY:		3. STATE ID:			4a. LABORATORY ID W INCIDENT SPECIMEN ID		4b. FACILITY ID WHERE PATIENT TREATED:				
5. DATE OF BIR	TH:		7. SEX AT BIR	TH:	8а. Ет	HNIC ORIGIN:	8b. RACE:	(Check all that apply)				
			☐ Male [☐ FEMALE ☐ N		lispanic or Latino Ame Nativ						
6. AGE:		Yrs.	☐ Unknow	n transgender	□ u	nknown	☐ Asia ☐ Blac	n ☐ White sk or African American ☐ Unknown				
9. DATE OF INCIDENT SPECIMEN COLLECTION (DISC): If CRE, select one of the following and specify species for less common genera: Klebsiella a Klebsiella a Klebsiella a Klebsiella a						Citrobacter sp. coli Serratia spp. r cloacae Proteus spp. erogenes Morganella sp. neumoniae Providencia s	pp					
11. INCIDENT SP	ECIMEN COLL	ECTION SI	TE:									
☐ Blood ☐ E	Bone □ CS!	F 🗌 Inte	ernal body site (s	pecify):		Joint/synovial fluid	Muscle	Peritoneal fluid	ardial fluid			
			(specify):			site (specify):						
12. LOCATION								<u> </u>				
	IENT:		ATIENT:	LTCF		13. WHERE WAS THE PATIENT LOCATED ON THE 3 RD CALENDAR DAY BEFORE THE DISC?						
Facility		Facility		Facility		☐ Private residence		☐ LTACH				
ID:			ID:			LTCF		Facility ID:				
☐ Emergenc				☐ LTACH Facility ID:		Facility ID:		☐ Homeless				
☐ Clinic/Doc		□ or				☐ Hospital inpatient Facility ID:		☐ Incarcerated				
☐ Dialysis ce	nter	☐ Radio	ology					Other (specify):				
☐ Surgery ☐ Observation	☐ Surgery ☐ Other inpatient		r inpatient	☐ Other (specify):		Was the patient transferred from this hospital?						
Clinical decisi						☐ Yes ☐ No ☐ Unknown						
☐ Other outpatient ☐ Unknown												
14. WAS THE PATIENT HOSPITALIZED ON THE DAY OF OR IN THE 29 CALENDAR DAYS AFTER THE DISC?						15a. Was the patient in an ICU in the 7 days before the DISC? ☐ Yes ☐ No ☐ Unknown						
						IF YES, DATE OF ICU ADMISSION: OR Date unknown						
☐ Yes ☐ No ☐ Unknown If Yes, DATE OF ADMISSION:						15b. Was the patient in an ICU on the day of incident specimen collection or in the 6 days after the DISC? ☐ Yes ☐ No ☐ Unknown						
						IF YES, DATE OF ICU ADMISSION: OR Date unknown						
16. PATIENT O	UTCOME:	Surviv	ed			☐ Died			Unknown			
DATE OF DISCHARGE: OR				Date of Death: OR ☐ Date un								
☐ Date	unknown	☐ Left	t against medica	al advice (AMA))	_			_			
IF SURVIVED, DIS				7		OF INTEREST ISO		ALENDAR DAYS BEFORE D A SITE THAT MEETS THE (DEATH, WAS THE PATHOGEN CASE DEFINITION?			
☐ Private residence ☐ LTCF Facility ID: ☐ LTACH Facility ID: ☐ Other (specify): ☐ Unknown					ity ID:							
Public reporting burd	en of this collection	n of information	ion is estimated to ave						g and maintaining the data needed,			
								nformation unless it displays a cu				

Public reporting burden of this collection of information is estimated to average 25 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 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 1	that apply)	☐ None	☐ Unknown ☐ Colonized	17b. RECURRENT UTI		
☐ Abscess, not skin ☐ Celluliti		Epidural Ab		yelonephritis Surgical incision infe	n (internal)		
□ Bacteremia □ Decubit	itus/pressure ulcer	Meningitis Osteomyelit	itis □ S	eptic emboli Traumatic wound	No		
☐ Bursitis☐ Catheter site infection (CVC)☐ Endocation (CVC)		Peritonitis Pneumonia		eptic shock	n Unknown		
17c. Was the patient treated for 1	THE MUGSI ORGANISM?	Yes No	o Unkno	wn			
18. UNDERLYING CONDITIONS: (Check a	all that apply) None	☐ Unknow	vn				
	IMMUNOCOMPROMISED CONDIT	ION	Neurolo	GIC CONDITION	SKIN CONDITION		
☐ Cystic fibrosis☐ Chronic pulmonary disease	☐ HIV infection☐ AIDS/CD4 count < 200		☐ Cerebra	al palsy cognitive deficit	□ Burn□ Decubitus/pressure ulcer		
CHRONIC METABOLIC DISEASE	□ Primary immunodeficiency□ Transplant, hematopoietic ster	m cell	□ Demen	tia	□ Surgical wound		
□ Diabetes mellitus□ With chronic complications	□ Transplant, solid organ		□ Epileps□ Multiple	y/seizure/seizure disorder e sclerosis	 Other chronic ulcer or chronic wound 		
·	LIVER DISEASE		☐ Neurop		□ Other (specify):		
CARDIOVASCULAR DISEASE □ CVA/Stroke/TIA	☐ Chronic liver disease☐ Ascites		☐ Other (s		OTHER Connective tissue disease		
☐ Congenital heart disease☐ Congestive heart failure	☐ Cirrhosis☐ Hepatic encephalopathy			PARALYSIS	☐ Obesity or morbid obesity		
☐ Myocardial infarction	□ Variceal bleeding		☐ Hemipl☐ Paraple		□ Pregnant		
□ Peripheral vascular disease (PVD)	☐ Hepatitis C☐ Treated, in SVR		□ Quadri		Mugsi Conditions		
GASTROINTESTINAL DISEASE	□ Current, chronic		RENAL DIS		 Urinary tract problems/ abnormalities 		
 □ Diverticular disease □ Inflammatory bowel disease 	MALIGNANCY ☐ Malignancy, hematologic			c kidney disease	□ Premature birth		
□ Peptic ulcer disease□ Short gut syndrome	☐ Malignancy, solid organ (non-☐ Malignancy, solid organ (meta			st serum creatinine:mg/DL known or not done	□ Spina bifida		
19. SUBSTANCE USE	OTHER SUBSTANCES: (,	that apply)	□ None □ Unknown			
SMOKING: ALCOHOL	· · · · · · · · · · · · · · · · · · ·	•	,		LIVERY: (Check all that apply)		
(Check all that ABUSE:	☐ Marijuana, cannabinoid (ot		oking)		popping 🗆 Non-IDU 🗆 Unknown		
apply) □ None □ Unknown □ Yes	 Opioid, DEA schedule I (e. Opioid, DEA schedule II-IV 	-	adone oxycodo		popping Don-IDU Unknown		
☐ Tobacco ☐ No	Opioid, NOS	, (o.g.,	uono, ox,	□ DUD or abuse □ IDU □ Skir	popping Don-IDU Unknown		
☐ E-nicotine delivery system ☐ Unknown	Cocaine Methamphetamine				popping Don-IDU Unknown		
□ Marijuana	☐ Other (specify):			□ DUD or abuse □ IDU □ Skir	popping Don-IDU Dunknown		
	☐ Unknown substance			□ DUD or abuse □ IDU □ Skir	popping Non-IDU Unknown		
	DURING THE CURRENT HOSPITALIZ MEDICATION ASSISTED TREATMEN				nt not hospitalized or did not have DUD)		
20. RISK FACTORS: (Check all that apply)	☐ None ☐ Unknown			CENTRAL LINE IN PLACE ON THE D			
WAS INCIDENT SPECIMEN COLLECTED 3 OF DAYS AFTER HOSPITAL ADMISSION?	R MORE CALENDAR	□ No		COLLECTION), OR AT ANY TIME IN T DAYS BEFORE DISC :	HE 2 CALENDAR ☐ Yes ☐ No ☐ Unknown		
PREVIOUS HOSPITALIZATION IN THE YEAR	REFORE DISC: Yes	□ No □ l	Unknown	Check here if central li	ne in place for > 2 calendar days:		
IF YES, DATE OF DISCHARGE CLOSEST T				URINARY CATHETER IN PLACE ON T			
OR. DATE UNKNOWN				THE TIME OF COLLECTION), OR AT A CALENDAR DAYS BEFORE DISC:	NY TIME IN THE 2 ☐ Yes ☐ No ☐ Unknown		
Facility ID:				IF YES, CHECK ALL THAT APP			
-	- B100			☐ Indwelling Urethral Catheter			
OVERNIGHT STAY IN LTCF IN THE YEAR BE Facility ID:	FORE DISC: □ Yes	□ No □	Unknown	□ Condom Catheter	□ Other (specify):		
OVERNIGHT STAY IN LTACH IN THE YEAR	BEFORE DISC: ☐ Yes	□ No □	Unknown	ANY OTHER INDWELLING DEVICE IN			
Facility ID:				CALENDAR DAYS BEFORE DISC:	☐ Yes ☐ No ☐ Unknown		
SURGERY IN THE YEAR BEFORE DISC:	□ Yes	□ No □	Unknown	IF YES, CHECK ALL THAT APP			
CURRENT CHRONIC DIALYSIS:	□ Yes	□ No □	Unknown	☐ ET/NT Tube ☐ Gastrosto	my Tube □ NG Tube omy Tube □ Other (specify):		
IF YES, TYPE: □ Hemodialysis □ I	Peritoneal Unknown			, ,			
IF HEMODIALYSIS, TYPE OF VASCULA	R ACCESS:			D. TITLE TO AVEL ED INTERNATIONA			
□ AV fistula/graft □ Hemodialysis	central line Unknown			PATIENT TRAVELED INTERNATIONA IN THE YEAR BEFORE DISC:	□ Yes □ No □ Unknown		
	НЕІБНТ: ft. in. OR	21с. Вмі:	:	COUNTRY:,			
			-	PATIENT HOSPITALIZED WHILE VIS			
kg 🗌 Unknown	_cm ☐ Unknown	☐ Unkno	own	COUNTRY(IES) ABOVE:	□ Yes □ No □ Unknown		

Version Date: 01/2019





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 ASSOCIA Please indicate if any of the following symp 2 calendar days before through the 2 calendar □ None □ Costovertebral angle pain or tenderness □ Dysuria □ Fever [temperature ≥ 100.4 °F (38 °C)]	toms were reported during to dar days after the DISC. Unknown	ne 5 day time period including Symptoms for patients ≤1 year of age only: □ Apnea □ Bradycardia □ Lethargy	URINE CULTURES ONLY: 22d. WAS A BLOOD CULTURE POSITIVE IN THE 3 CALENDAR DAYS BEFORE THROUGH THE 3 CALENDAR DAYS AFTER THE DISC FOR THE SAME MuGSI ORGANISM? Yes □ No □ Unknown			
23. WAS THE 24a. WAS TH INCIDENT INCIDENT SPECIMEN TESTED FOR	ECIMEN	G METHOD WAS USED? (C	check all that apply):	24c. IF TESTED, WHAT WAS THE TESTING RESULT? Non-Molecular Test Results: Positive Indeterminate			
POLYMICROBIAL? CARBAPENE Yes Yes No No Laboratory testing Unknown	MASE? □ CarbaNP □ Carbapenemase Inactivatic □ Disk Diffusion/ROSCO Disk □ E-test	□ Autom on Method (CIM) □ Carba- C □ Check □ MALD nactivation □ Next © Sequence) □ PCR □ Other	ated Molecular Assay -R -Points I-TOF MS seneration Nucleic Acid ing (specify):	Positive			
25. WAS THE SAME ORGANISM (CULTURED FROM A DIFFERENT STERILE SITE OR URINE IN THE 30 DAYS AFTER THE DISC?	CULTURES OF STERILE SI	ITE(S) OR URINE NT ORGANISM	IF YES, INDICATE ORGANIS ASSOCIATED STATE ID FOR CLOSEST TO THE DISC:				
□ Yes □ No □ Unknown IF YES, SOURCE: (check all that app □ Blood □ Bone □ CSF □ Internal body site (specify): □ Joint/synovial fluid □ Muscle □ Peritoneal fluid □ Pericardial fluid □ Pleural fluid □ Urine □ Other normally sterile site (specify): □ Respiratory site (specify): □ Other non-sterile site (specify): □ Other non-sterile site (specify):	□ Blood □ Bone □ CSF	all that apply)	Serratia spp. Proteus spp. Morganella spp. Providencia spp. Raoutella spp.				
THE 30 DAYS BEFORE THE DISC?	VE FOR ANOTHER A. BAUMANNII IN	DID THE	BAUMANNII CULTURES ON PATIENT HAVE A SPUTUM DAYS BEFORE THE DISC?	ILY: CULTURE POSITIVE FOR CRAB IN			
□ Yes □ No □ Unknown □ I YES, SOURCE: (check all that apply) □ Blood □ Bone □ CSF □ Internal body site (specify): □ Joint/synovial fluid □ Muscle IF YES, STATE ID FOR THE INCIDENT CLOSEST TO THE	☐ Peritoneal fluid ☐ Pericardial fluid	27c. RI □ Non-i in the □ Nebu	7 calendar days before the lizer treatment at any time in anical ventilation at any time	S BEFORE THE DISC: entilation (CPAP or BiPAP) at any time			
28a. WAS THE PATIENT POSITIVE BEFORE THE DISC?	FOR THE SAME ORGANISM IN THE YEA	FIRST P	YES, SPECIFY DATE OF CUI OSITIVE CULTURE IN THE Y OF CULTURE: : ID:				
29a. ENTEROBACTERIACEAE ONLY: WAS THE PATIENT POSITIVE FOR A MuGSI ENTEROBACTERIACEAE IN THE YEAR BEFORE THE DISC? Yes No Unknown N/A	ENTEROBACTERIACEAE Klebsiel	pacter cloacae Illa aerogenes Illa pneumoniae Proteus	spp. spp. ella spp. ncia spp.	DATE OF CULTURE:			

Version Date: 01/2019 PAGE 3 OF 4



30. SUSCEPTIBILITY RESULTS:

Please complete the table below based on the information found in the indicated data source. Shaded antibiotics are required to have the MIC entered into the MuGSI-CM system, if available.

Data Source Medical Record		Microscan Vitek			Phoenix		Kirby-	Kirby-Bauer		E-test		
Antibiotic	MIC	Interp	MIC	Interp	MIC	Interp	MIC	Interp	Zone Diam	Interp	MIC	Interp
Amikacin												
Amoxicillin/Clavulanate												
Ampicillin												
Ampicillin/Sulbactam												
Aztreonam												
Cefazolin												
CEFEPIME												
CEFOTAXIME												
CEFTAZIDIME												
Ceftazidime/Avibactam												
Ceftolozane/Tazobactam												
CEFTRIAXONE												
Cephalothin												
Ciprofloxacin												
COLISTIN												
DORIPENEM												
Doxycycline												
ERTAPENEM												
Fosfomycin												
Gentamicin												
IMIPENEM												
Imipenem-relebactam												
Levofloxacin												
MEROPENEM												
Meropenem-vaborbactam												
Minocycline												
Moxifloxacin												
Nitrofurantoin												
Piperacillin/Tazobactam												
Plazomicin												
POLYMYXIN B												
Rifampin												
Tetracycline												
TIGECYCLINE												
Tobramycin												
Trimethoprim-sulfamethoxazole												
						l.	ļ.	ļ.				
31a. WAS CASE FIRST IDENTIFIE	U THROUG	GH AUDIT?		F STATUS:			31c. SO I	NITIALS:	310	d. DATE OF	ABSTRAC	TION:
□Yes □No			□ Com □ Pend									

31a. WAS CASE FIRST IDENTIFIED THROUGH AUDIT?	31b. CRF STATUS:	31c. SO INITIALS:	31d. DATE OF ABSTRACTION:		
□Yes	□ Complete				
□No	□ Pending				
	☐ Chart unavailable after 3 requests				
31 <mark>e.</mark> COMMENTS:					

CS295460-A PAGE 4 OF 4