

## 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	2:			Phone no.:							
Address:				MRN:							
Address Type:				Hospital:							
		Patient	Identifier infor	rmation is not transmitted to CDC							
DEMOGRAPH	ICS										
1. STATE:	2. COUNTY:	3. STATE ID:		4a, LABORATORY ID WHERE INCIDENT SPECIMEN IDENTIFIED:	4b. FACILITY ID WHERE PATIENT TREATED:						
E DATE OF DID		7. SEX AT BIRTH:	8a. ETHNIC C	ODICIN: Sh DACE: /Chock all tha	* anniu)						
5. DATE OF BIRT  6. AGE:		O Male O Female O Unknown	OHispanic or ONot Hispan OUnknown	or Latino American Indian or Alaska Native Native Hawaiian or Other Pacific Islanic or Latino Asian							
O Days	O Mos O Yrs	☐ Check if transgender									
	DENT SPECIMEN (DISC): (mm/dd/yyyy)	10. ORGANISM: OC	re Ocra	AB							
			RE, select one o following:		siella aerogenes O Klebsiella oxytoca siella pneumoniae						
☐ Blood ☐ Bone ☐ Bronchoalveola ☐ CSF	ar lavage (CRAB only, compite (specify):	☐ Peri ☐ Peri plete Q23c) ☐ Plet ☐ Joir ☐ Spu	toneal fluid cardial fluid ıral fluid ıt/synovial fluid tum (CRAB only, co cheal aspirate (CRA	(CR/ □ Oth complete Q23c) (CR/	ne und (specify):						
12. LOCATION (	OF SPECIMEN COLLECT	ΓΙΟΝ:		13. WHERE WAS THE PATIENT LOCATED ON THE 3RD CALENDAR DAY BEFORE THE DISC?							
O OUTPATIENT Facility ID:	-			O Private residence O LTCF Facility ID:	OLTACH Facility ID:						
O Emergenc O Clinic/Doc O Dialysis ce O Surgery	nter ORac	<b>0</b>		O Hospital inpatient Facility ID:	OHomeless OIncarcerated OOther (specify):						
Observati Clinical de O Other out	cision unit	Other	(Specify):	Was the patient transferred from this hospital?  OYes  ONO  OUnknow	<b>O</b> Unknown wn						
		OUnkno	wn								
29 CALENDA O Yes	IENT HOSPITALIZED OF R DAYS AFTER THE DIS	wn		15a. WAS THE PATIENT IN AN ICU IN  Yes No Unknown  IF YES, DATE OF ICU ADMISSION: (mm/dd)  15b. WAS THE PATIENT IN AN ICU ON COLLECTION OR IN THE 6 DAYS  Yes No Unknown  IF YES, DATE OF ICU ADMISSION: (mm/dd)	OR Date unknown  NTHE DAY OF INCIDENT SPECIMEN  AFTER THE DISC?						
16. PATIENT OUT	COME: O Surviveo	1		O Died	OUnknown						
	HARGE: (mm/dd/yyyy)	OR  Left against medical advice (/	I AMA)	DATE OF DEATH: (mm/dd/yyyy)	OR Date unknown						
	DISCHARGED TO:	Other (specify):	(	ON THE DAY OF OR IN THE 6 CALENDAR DAY OF INTEREST ISOLATED FROM A SITE THAT Of Yes On Ounknown	MEETS THE CASE DEFINITION?						
OLTCF, Facilit OLTACH, Facil	_	Unknown									
Public reporting h	urden of this collection of	of information is estimated to	werzae 28 minute	es per response including the time for revie	wing instructions searching existing data sources						

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 ASSO	CIATED WITH CULTURE(S): (Che	ck all that	apply):	ONo	ne	OColonized	O Unknown				
	Osteomyelitis		Pyelone	rthritis mboli nock	omplete Q23c)	<u> </u>					
17b. RECURRENT UTI OYes	ONo OUnknown		17c. WAS 1	THE PATIENT TR	EATED FOR TH	E MUGSI ORGAN	NISM? O Yes O N	o O Unknown			
18. UNDERLYING CONDITIONS:	(Check all that apply) O N	one	O Unknov	wn							
CHRONIC LUNG DISEASE	IMMUNOCOMPROMISED	CONDITION	ON		GIC CONDITION		SKIN CONDITION				
☐ Cystic fibrosis☐ Chronic pulmonary disease	☐HIV infection ☐AIDS/CD4 count < 2	200		Cerebra	ıl palsy : cognitive defici		☐ Burn ☐ Decubitus/pressure	ulear			
CHRONIC METABOLIC DISEASE	Primary immunodefici			Demen		·	Surgical wound	uicei			
Diabetes mellitus	Transplant, hematopo		cell		y/seizure/seizure	disorder		Other chronic ulcer or chronic wound			
☐ With chronic complications	☐Transplant, solid orgar LIVER DISEASE	1		☐Multiple ☐Neurop			Other (specify):	Other (specify):			
CARDIOVASCULAR DISEASE	Chronic liver disease			Parkins	on's disease		OTHER	NTUED			
☐ CVA/Stroke/TIA☐ Congenital heart disease	Ascites			☐Other (	specify):		Connective tissue d	isease			
Congestive heart failure	☐ Cirrhosis ☐ Hepatic encephalo	oathy					Obesity or morbid				
☐ Myocardial infarction☐ Peripheral vascular disease (PVD	Usricaal blooding	patriy		PLEGIAS/F	ARALYSIS		Pregnant				
GASTROINTESTINAL DISEASE	Hepatitis C ☐ Treated, in SVR			☐Hemipl ☐Paraple	-		MuGSI CONDITIONS  Urinary tract proble	ms/abnormalities			
Diverticular disease	☐ Current, chronic			Quadri			Premature birth	ms/abnormanties			
☐ Inflammatory bowel disease	MALIGNANCY			RENAL DIS	EASE		☐ Spina bifida				
☐ Peptic ulcer disease☐ Short gut syndrome	Malignancy, hematolo				kidney disease	/DI					
	☐ Malignancy, solid orga ☐ Malignancy, solid orga				serum creatinine nown or not don		)L				
19. SUBSTANCE USE	OTHER SUBSTANCES: (Check all th	at apply)	O None	OUnknown							
SMOKING:	OTTER SOBSTANCES. (CHECK all th	ат арргу)	Onone	DUD/ ABUSE	MODE	OF DELIVERY (CI	heck all that apply)				
(Check all that apply)	Marijuana, cannabinoid (other than	n smoking)		DUD or abuse			□ Non-IDU □ Unknown				
□ None □ Unknown	Opioid, DEA schedule I (e.g., heroir	n)		DUD or abuse	□ IDU □	Skin popping	Non-IDU Unknown				
Tobacco	Opioid, DEA schedule II-IV (e.g., me	thadone, o	kycodone)	DUD or abuse	□ IDU □	Skin popping	□ Non-IDU □ Unknown				
☐ E-nicotine delivery system ☐ Marijuana	Opioid, NOS			DUD or abuse			Non-IDU Unknown				
	Cocaine			DUD or abuse			Non-IDU Unknown				
ALCOHOL ABUSE  O Yes	Methamphetamine			DUD or abuse			□ Non-IDU □ Unknown □ Non-IDU □ Unknown	I			
ONo	Other (specify):			DUD or abuse	= _		_				
OUnknown	Unknown substance		DID THE DAT	DUD or abuse	ļ		Non-IDU Unknown				
	OYes ONO O N/A (p					STED TREATMENT	(MAI) FOR OPIOID USE L	DISORDER?			
20. RISK FACTORS: (Check all tha		Unknown									
WAS INCIDENT SPECIMEN COLLECT		OTIKITOWIT			URINARY CA	ATHETER IN PLACI	E ON THE DISC (UP TO THE	TIME OF			
DAYS AFTER HOSPITAL ADMISSION		O Yes	ONo		COLLECTIO	N), OR AT ANY TIM	IE IN THE 2 CALENDAR DA				
PREVIOUS HOSPITALIZATION IN TH	IE YEAR BEFORE DISC	O Yes	ONo	OUnknown	•	⊃ No OUnkn HECK ALL THAT AF					
IF VEC DATE OF DISCHARGE CLOSE	CCT TO DISC: ((11/)		on $\Box$ o	ATE LINIVALOVA/NI	-, -		heter Condom Cathe	ter			
IF YES, DATE OF DISCHARGE CLOSE	באר און זיס (mm/aa/yyyy)		OK, <b>ப</b> D/	ATE UNKNOWN	Supra	pubic Catheter	Other (specify):				
Facility ID:  OVERNIGHT STAY IN LTCF IN THE Y	FAD DEFODE DICC.	O Yes	ONo	OUnknown							
	EAR BEFORE DISC:	O res	ONO	Onknown			VICE IN PLACE ON THE DIS TIME IN THE 2 CALENDAR				
Facility ID:	VEAD DEFODE DICC	O v	ON	Ottoboom	OYes (	O Unkn	own				
OVERNIGHT STAY IN LTACH IN THE	YEAR BEFORE DISC:	O Yes	ONo	OUnknown	`	HECK ALL THAT AP	_				
Facility ID:		Ov	0 11	O	□ET/NT □Gastro	Tube ostomy Tube	☐ Tracheostomy ☐ Nephrostomy T	inhe			
SURGERY IN THE YEAR BEFORE DIS	C:	O Yes	O No	OUnknown	□ NG Tu		Other (specify):				
CURRENT CHRONIC DIALYSIS:  IF YES, TYPE		○ Yes	O No	OUnknown							
OHemodialysis OPeritonea	ol OUnknown						TIONALLY IN THE YEAR BE	FORE DISC:			
IF HEMODIALYSIS, TYPE OF VASCU	_				-	No O Unkn	own				
OAV fistula/graft O Hemodia	,				COUNTRY	Y(IES):					
OF COLLECTION), OR AT ANY TIME	•				-						
DAYS BEFORE DISC:	_	O Yes	O No	OUnknown			E VISITING COUNTRY(IES)	ABOVE:			
	☐ Check here if cer	ntral line ir	n place for >	2 calendar days	O Yes C	JINO U Unkn	known				
21a. WEIGHT:		21k	o. HEIGHT:				21c. BMI:				
lbs oz.	OR			ft in.	OR						
——— kg □Unknown				cm 🗆 Unknov	/n			nknown			

URINE CULTURES ONLY:  22a. WAS THE URINE COLLECTE AN INDWELLING URETHRAL CAT O Yes O No O Unknown  URINE CULTURES ONLY:  22b. RECORD THE COLONY COU	FHETER? Please days b □No □Un	TOMS ASSOCIATED WITH URINE CULTURE  the following symptoms were reported during the 5 day time period including the 2 calendar  2 calendar days after the DISC.  ☐ Fever [temperature ≥ 100.4 °F (38 °C)] ☐ Frequency ☐ Frequency ☐ Suprapublic tenderness ☐ Urgency ☐ Urgency ☐ Bradycardia ☐ Vomiting								
Complete questions 23a-23b ONL 23a. DID THE PATIENT HAVE A S IN THE 30 DAYS BEFORE THE DIS  Yes ONO Unknown  23b. RISK FACTORS IN THE 7 DA  Non-invasive positive pressure w 7 calendar days before the DISC  Nebulizer treatment at any time  Mechanical ventilation at any time	PUTUM CULTURE POSITIVE CO.  N/A  S BEFORE THE DISC: entilation (CPAP or BiPAP) at in the 7 calendar days before	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 Consolidation Acute respiratory distress syndrome (ARDS) Infiltrate Air space density/opacity Ground glass opacities/infiltrates Bronchopneumonia/pneumonia Cannot rule out pneumonia								
24a. DID THE PATIENT HAVE A P SARS-COV-2 (MOLECULAR ASSA OTHER CONFIRMATORY TEST) II DAY OF THE DISC?  O Yes  O No  O Unknown	Y, SEROLOGY OR  N THE YEAR BEFORE OR			SITIVE SA E DISC: MEN DN DATE	TESTHE TABLE BELOW RS-COV-2 TEST IN THE TEST  Molecular assay  Antigen Serology Unknown Other (specify):					
24c.COVID-NET CASE ID: 24d. NNDSS IDs: (please provide Local case ID: Legacy case identifier:	at least one of the followin  Local record ID:  CDC 2019-nCOV IE		State case ide							
O Yes O No O Unknown	:N POLYMICROBIAL?		O Yes	_	T SPECIMEN TESTED Laboratory not testing	OUnknown		ENES?		
26b. IF YES, WHAT TESTING MET	HOD WAS USED? (Check a	all that apply)		•	VAS THE TESTING RE	SULT?				
Non-Molecular Test Methods:	Molecular Test Methods		Non-Molecular		l <b>ts:</b> ninate O Negative	Ollpknown				
CarbaNP	Automated Molecula	r Assay	_	_	- 5	Onknown				
☐ Carbapenemase Inactivation Method (CIM)	□Carba-R □Check Points		MOLECULART	EST KESUI	115:			_	_	
☐ Disk Diffusion/ROSCO Disk	MALDI-TOF MS		□NDM						Ind OUnk	
E-test	Next Generation Nuc	leic	□ KPC	<b>.</b> .				-	Ind OUnk	
☐ Modified Carbapenemase Inactivation Method (mCIM)	Acid Sequencing □PCR			ty):				-	Ind OUnk	
Modified Hodge Test (MHT)	Streck ARM-D		□VIM						Ind OUnk	
RAPIDEC Other (specify):	Other (specify):		☐IMP ☐Other carb	apenemas	e gene (specify):				Ind OUnk Ind OUnk	
Unknown	□Unknown									
27a. WAS THE INCIDENT SPECIM PRODUCTION OR OTHER BETA-L		27b. IF TESTED (Check all that	, WHAT TESTING apply):	метног	WAS USED?	27c. IF T	ESTED, WH	AT WAS 1	THE RESULT?	
OYes ONo		☐Broth Microdi	ilution (ATI detecti	on)						
OLaboratory not testing		☐ ESBL well				OPos	O Neg	$\bigcirc$ Ind	OUnk	
OUnknown		☐ Expert rule	e (ATI flag)			OPos	O Neg	$\bigcirc$ Ind	OUnk	
		Unknown				OPos	O Neg	OInd	OUnk	
		☐Broth Microdi	ilution (Manual)			O Pos		Olnd	OUnk	
		☐ Disk Diffusion				O Pos		Olnd	OUnk	
			ı			_		_	_	
		□E-test				OPos	O Neg	Olnd	OUnk	
							O Neg	OInd	OUnk	
						O Neg	OInd	OUnk		

**28. SUSCEPTIBILITY RESULTS:** Please complete the table below based on the information found in the indicated data source.

	Medical Record	Medical Record	Microscan	Microscan	Vitek	Vitek	Phoenix	Phoenix	Sensititre	Sensititre	Kirby- Bauer	Kirby- Bauer	E-test	E-test
Antibiotic	MIC	Interp	MIC	Interp	MIC	Interp	MIC	Interp	MIC	Interp	Zone Diam	Interp	MIC	Interp
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 29b. CRF STATUS: 29c. SO INITIALS: 29d. DATE OF ABSTRACTION: (mm/dd/yyyy) IDENTIFIED THROUGH AN AUDIT? Ocmplete														

P	l				l				1		l		1 '		
azomicin															
olymyxin B															
fampin															
tracycline															
gcycline															
bramycin															
imethoprim- lfamethoxazole															
29a. WAS THE CASE FIRST IDENTIFIED THROUGH AN AUDIT?  OYes ONo  29e. COMMENTS:		,	29b. CRF STATUS: O Complete O Pending O Chart unavailable after 3 reques O Complete - pending data				29с	. SO INITIA	LS:	29d. DATE OF ABSTRACTION: (mm/dd/yyyy)					
														Page 4 o	