2025 HAIC Multi-site Gram-negative Surveillance Initiative (MuGSI) Supplemental Surveillance Officer Survey

Please answer the following questions for the year 2025, unless otherwise specified. The purpose of the survey is to verify and document current surveillance procedures, including isolate collection and testing methods at clinical laboratories. Please enter your responses into the corresponding REDCap database. If you have questions, please contact Joshua Brandenburg (ode4@cdc.gov) and the MuGSI Inbox (mugsi@cdc.gov). Site: ___CA __CO __CT __GA __MD __MI__MN __NM __NY __OR __TN Person(s) Completing the Form: Please note that the information collected in the sections below about specific MuGSI pathogens should only be completed for those sites that participate in those surveillance activities. **Surveillance Area Characteristics** What counties are under surveillance for MuGSI activities at your site? a. Carbapenem-resistant Enterobacterales (CRE) surveillance area, please b. Carbapenem-resistant *Acinetobacter baumannii* (CRAB) surveillance area, please c. Extended-spectrum β-lactamases-producing Enterobacterales (ESBL-E) surveillance area, please specify:___ d. Invasive *Escherichia coli* (iEC) surveillance area, please specify: 2. Is CRE reportable at your state/site? yes no a. If yes: i. Please describe your state reportable definition of CRE:_____ ii. Where in your state is CRE reportable? Statewide _____ Defined area, such as a county(ies). Please specify_____ iii. Is isolate submission to the State Health Department Laboratory required? specify _____ _____ yes _____ no b. If no: i. What mechanism do you have in place that allows for surveillance officers (SOs) to have access to CRE laboratory reports and medical records? _____ Agent of the state _____ State Health Department Regulation Other, please explain: ii. Does your state/site plan to make CRE reportable? yes no unknown

Public reporting burden of this collection of information is estimated to average 20 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 current 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 Reports Clearance Officer; 1600 Clifton Rd NE, MS D-74, Atlanta, Georgia 30329; ATTN: PRA (0920-0978)

1. If yes, when does your state/site plan to make CRE reportable?
3. Is CRAB reportable at your state/site? yes no
a. If yes:
i. Please describe your state reportable definition of CRAB:
ii. Where in your state is CRAB reportable?
Statewide Defined area, such as a county(ies). Please specify
iii. Is isolate submission to the State Health Department Laboratory required?
b. If no:
i. What mechanism do you have in place that allows for SOs to have access to CRAB laboratory reports and medical records?
Agent of the state
State Health Department Regulation
Other, please explain:
ii. Does your state/site plan to make CRAB reportable? yes no unknown
1. If yes, when does your state/site plan to make CRAB reportable?
4. Is ESBL-E reportable at your state/site? yes no
a. If yes:
i. Please describe your state reportable definition of ESBL-E:
ii. Where in your state is ESBL-E reportable? Statewide
Defined area, such as a county(ies). Please specify
iii. Is isolate submission to the State Health Department Laboratory required? yes no
b. If no:
i. What mechanism do you have in place that allows for SOs to have access to ESBL-E laboratory reports and medical records?
Agent of the state
State Health Department Regulation Other, please explain:
ii. Does your state/site plan to make ESBL-E reportable? yes no unknown
1. If yes, when does your state/site plan to make ESBL-E reportable?

	гороги	ble at your state/site? yes no
a.	If yes:	
		Please describe your state reportable definition of iEC:
	ii.	Where in your state is iEC reportable? Statewide
		Defined area, such as a county(ies). Please specify
	iii.	Is isolate submission to the State Health Department Laboratory required?
b.	If no:	
	i.	What mechanism do you have in place that allows for SOs to have access to iEC laboratory reports and medical records?
		Agent of the state
		State Health Department Regulation
		Other, please explain:
	ii.	Does your state/site plan to make iEC reportable? yes no unknown 1. If yes, when does your state/site plan to make IEC reportable? yes no unknown
		ation and Isolate Testing – Part 1 e the clinical laboratories in the MuGSI catchment area:
a.	CRE	
		queries installed on their automated testing instrument (ATI) or laboratory
	i.	queries installed on their automated testing instrument (ATI) or laboratory information system (LIS):
	i. ii. iii.	queries installed on their automated testing instrument (ATI) or laboratory information system (LIS):
	i. ii. iii.	queries installed on their automated testing instrument (ATI) or laboratory information system (LIS):
b.	i. ii. iii.	queries installed on their automated testing instrument (ATI) or laboratory information system (LIS):
b.	i. ii. iii. iv. CRAB	queries installed on their automated testing instrument (ATI) or laboratory information system (LIS):
b.	i. ii. iv. CRAB i.	queries installed on their automated testing instrument (ATI) or laboratory information system (LIS):
b.	i. ii. iv. CRAB i. ii.	queries installed on their automated testing instrument (ATI) or laboratory information system (LIS):
b.	i. ii. iv. CRAB i. ii.	queries installed on their automated testing instrument (ATI) or laboratory information system (LIS):
b.	i. ii. iv. CRAB i. ii.	Information system (LIS):

c. ESBL-E

i. Proportion of clinical laboratories serving the MuGSI ESBL-E surveillance area

			with queries installed on their ATI or LIS:
		ii.	Numerator: Number of clinical laboratories serving the MuGSI ESBL-E
			surveillance area with queries installed on their ATI or LIS:
			Denominator: Total number of clinical laboratories that receive and process
			specimens from residents of the MuGSI ESBL-E surveillance area:
			Please describe how MuGSI ESBL-E surveillance is conducted at laboratories
			where ATI/LIS queries are not installed (e.g., HL7 messages from LabCorp):
			where III also queries are not instance (e.g., III) messages from an execution.
	d	iEC	
	u.		Proportion of clinical laboratories serving the MuGSI iEC surveillance area with
			queries installed on their ATI or LIS:
			Numerator: Number of clinical laboratories serving the MuGSI iEC surveillance
			area with queries installed on their ATI or LIS:
			<u>=</u>
			Denominator: Total number of clinical laboratories that receive and process
			specimens from residents of the MuGSI iEC surveillance area:
			Please describe how MuGSI iEC surveillance is conducted at laboratories where
			ATI/LIS queries are not installed (e.g., HL7 messages from LabCorp):
2.	Did an	ıy labora	tories drop out of participation in 2024? yes no
	a I	f ves ho	w many?
			w many:
	h \	Why did	
	b. \	Why did	these laboratories drop out of participation?
	b. \	Why did	
	b. \	Why did ———	
			these laboratories drop out of participation?
3.	In <mark>202</mark>	4, did yo	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI
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3.	In <mark>202</mark>	4, did yo	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI
3.	In <mark>202</mark> isolate	4, did yo	bu identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
3.	In <mark>202</mark> isolate	4, did yo s from p If yes, l	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
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3.	In <mark>202</mark> isolate a. b.	4, did yo s from p If yes, l If yes, l i.	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site? yes no now many? now many of these laboratories were added? If all new laboratories identified were not added, why not?
3.	In <mark>202</mark> isolate a. b.	4, did yo s from p If yes, l If yes, l i.	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site? yes no now many? now many of these laboratories were added?
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3.	In 202 isolate a. b.	4, did your s from p If yes, l If yes, l i. If yes, l Approx	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
	In 202 isolate a. b.	4, did your street stre	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
	In 202 isolate a. b. c. d.	4, did your street stre	but identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
	In 202 isolate a. b. c. d.	4, did your stress of the stre	these laboratories drop out of participation? Doubt identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
	In 202 isolate a. b. c. d.	If yes, I i. If yes, I i. If yes, I i. Approximately resident our site surjection.	these laboratories drop out of participation? Doubt identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
	In 202 isolate a. b. c. d.	If yes, I If yes, I Approx residen our site s yes If yes, I i.	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
	In 202 isolate a. b. c. d.	If yes, land in land yes, land in land yes, land in land yes, land	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
	In 202 isolate a. b. c. d. Did you a.	If yes, I If yes, I If yes, I Approx residen our site s yes If yes, I ii. iii. iii. iv.	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?
	In 202 isolate a. b. c. d. Did you a.	If yes, I If yes, I Approx residen our site s yes If yes, I ii. iii. iiv. If yes, I	these laboratories drop out of participation? ou identify additional laboratories, regardless of location, which identify MuGSI ersons who are residents of the MuGSI surveillance area at your site?

	ii. CRAB:
	iii. ESBL:
	iv. iEC:
5.	How many isolates with a specimen collection date in 2024 did you expect to be able to collect from the clinical laboratories? CRE; ESBL; iEC
6.	What was the total number of isolates with a specimen collection date in 2024 that were collected from the clinical laboratories?
	CRE; CRAB; ESBL; iEC

Laboratory Participation and Isolate Testing – Part 2

Please complete the following information for each clinical laboratory participating in MuGSI surveillance at your site in 2024:

1.	Laboratory ID:	
2.	Type of laboratory: clinical laboratory public health laboratory research laboratory reference laboratory	
3.	MuGSI pathogen(s) under surveillance: CRE CRAB ESBLiEC	
4.	Method for sharing laboratory reports with your site: electronic messaging, such as HL7 e-mail fax EIP staff manually generate reports on-site other, please specify unknown	
5.	Method for case identification: automated testing instrument laboratory information system medical record other, please specify unknown	
6.	Type of ATI and card:	_

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7. Carbapenem confirmatory testing method

a. Please report the carbapenem confirmatory testing method(s) performed for each MuGSI organism separately.

kirby bauer:	CRE	CRAB	ESBL	iEC
other, please specify:	CRE	CRAB	ESBL	iEC
laboratory not testing	CRE	CRAB	ESBL	iEC
unknown	CRE	CRAB	ESBL	iEC

8. Carbapenemase testing method

a. Please report the carbapenemase testing method(s) performed for each MuGSI organism separately.

Non-molecular test methods

streck ARM-D:

unknown:

other, please specify:_

laboratory not testing:

1 toll molecular test methods				
carbaNP:	CRE	CRAB	ESBL	iEC
carbapenemase inactivation method:	CRE	CRAB	ESBL	iEC
CPO detect:	CRE	CRAB	ESBL	iEC
disk diffusion/ROSCO disk e-test:	CRE	CRAB	ESBL	iEC
modified carbapenemase inactivation method:	CRE	CRAB	ESBL	iEC
modified hodge test:	CRE	CRAB	ESBL	iEC
RAPIDEC:	CRE	CRAB	ESBL	iEC
Other, please specify:	CRE	CRAB	ESBL	iEC
laboratory not testing:	CRE	CRAB	ESBL	iEC
unknown:	CRE	CRAB	ESBL	iEC
Molecular test methods				
automated molecular assay:	CRE	CRAB	ESBL	iEC
carba-R:	CRE	CRAB	ESBL	iEC
check points:	CRE	CRAB	ESBL	iEC
MALDI-TOF MS:	CRE	CRAB	ESBL	iEC
next generation nucleic acid sequencing:	CRE	CRAB	ESBL	iEC
polymerase chain reaction:	CRE	CRAB	ESBL	iEC

_CRE _

CRE

CRE

CRE ___

CRAB

_CRAB __

CRAB

_CRAB ____

ESBL

ESBL

ESBL

ESBL ____

iEC

iEC

iEC

iEC

i. Cultuit	yes, please specify the type of test If yes, is a positive test result always followed	un hy a cultura?	VAC.	ne	0	unknown
l Culture	e-independent diagnostic test:					
b.	Please specify the database or library for the instrumer	nt(s) selected above:				
	unknown:	CRE	CRAB	ESBL	iEC	
	laboratory not testing:	CRE	CRAB	ESBL	iEC	
	other, please specify:		CRAB	ESBL	iEC	
	immunological techniques, please specify:		CRAB	ESBL	iEC	
	biochemical tests, please specify:			ESBL		
	rRNA gene sequencing, please specify:		CRAB			
	DNA sequencing, please specify:		CRAB			
	whole genome sequencing:	CRE	CRAB			
	MALDI-TOF: polymerase chain reaction:	CRE CRE	CRAB CRAB	ESBL ESBL		
a.	Please report the organism identification method(s) pe	·				
Organi	sm identification method [†]					
	unknown:	CRE	CRAB	ESBL	iEC	
	laboratory not testing:	CRE	CRAB	ESBL		
	other non-molecular test, please specify:		CRAB	ESBL		
	molecular test, please specify:	CRE	CRAB	ESBL	iEC	
	e-test:	CRE	CRAB	ESBL	iEC	
	disk diffusion:	CRE	CRAB	ESBL	iEC	
	broth microdilution – manual:	CRE	CRAB	ESBL	iEC	
	broth microdilution – ATI flag:	CRE	CRAB	ESBL	iEC	
		CRE	CRAB	ESBL	iEC	

	yes
	no
	unknown
13.	Most recent year a check-in was completed for the laboratory:
14.	Please describe the participating laboratory's policy on maximum duration of referral for antimicrobial susceptibility testing for successive isolates of the same MuGSI organism. Successive isolates are defined as two microorganisms with similar identification that was cultured from the same patient at two different time points. Please indicate if the policy differs depending on whether successive isolates were cultured from the same specimen source or different specimen source.
dditi	ional information on MuGSI surveillance activities
1.	Does your site complete a survey for any of the following types of facilities: a. Physician/Outpatient provider: yes no i. If yes, the last survey was completed in: b. LTCF: yes no i. If yes, the last survey was completed in: c. LTACH: yes no i. If yes, the last survey was completed in: d. Dialysis center: yes no i. If yes, the last survey was completed in: e. Hospital laboratory: yes no i. If yes, the last survey was completed in:
2.	In 2024, did your site update its inventory of facilities within the MuGSI surveillance area? yes no a. If no, why not?
	b. If yes, how many facilities serve the MuGSI surveillance area?

	c. If yes, how many facilities have you identified the clinical laboratory that serves it?
3.	Does your site run a data edit program in addition to the CDC edit program that is sent out monthly? This could include the data edits available on the MuGSI Case Management System dashboard. yes no a. If yes, how often: Monthly
	Quarterly Other time frame, specify:
	Never b. If yes, what type of edits are you running? Do you think they would be helpful to add to edits generated by CDC?
4.	Did your site geocode MuGSI cases in 2024? yes no a. If yes, what is the most recent year of surveillance data that was geocoded? b. If no, why not?
5.	Did your site match MuGSI cases to the state vital statistics death registry in 2024? yes no a. If yes, what is the most recent year of surveillance data that was matched? b. If no, why not?
6.	Did your site complete CRF re-abstractions in 2024? yes no a. If yes, what was the most recent year of surveillance data with CRFs re-abstracted? b. If no, why not?
7.	What is the IRB determination for MuGSI at your site?ResearchNon-ResearchOtherUnknown

