Multi-site Gram-Negative Surveillance Initiative (MuGSI)
CRE NDM and KPC treatment data collection form

State ID: _____ Patient ID: _____ Collection Date: ___/___/___ **Date of incident specimen collection :** ___/___/

1. Antibiotic (brand)	2a. Administered to treat CRE	3a. Start Date	3b. Stop Date	3c. Start Date	3d. Stop Date	3e. Start Date	3f. Stop Date	3g. Treatment continued after hospital discharge
Amikacin (Amikin)	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Aztreonam (Azactam)	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Aztreonam-avibactam	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Cefepime (Maxipime)	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Cefiderocol	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Ceftriaxone (Rocephin)	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Cefotaxime (Claforan)	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Ceftazidime (Fortaz)	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Ceftazidime-avibactam	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Ceftolozane-tazobactam	□ Yes □ No □ Unknown	__/__/__	__/__/	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No

								□ Unknown
Ciprofloxacin (Cipro)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Colistin or Polymyxin E (Coly-Mycin-S)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Cefepime-enmetazobactam	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Doripenem (Doribax)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Doxycycline	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Eravacycline	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Ertapenem (Invanz)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Fosfomycin (Monurol)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Gentamicin (Garamycin)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Imipenem (Primaxin)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Imipenem-relebactam	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Levofloxacin (Levaquin)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Meropenem (Merrem)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown

Meropenem-vaborbactam	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Minocycline	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Nitrofurantoin	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Moxifloxacin (Avelox)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Piperacillin-Tazobactam (Zosyn)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Plazomicin	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Polymixin B	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Tigecycline (Tygacil)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Trimetoprim-sulfamethoxazole	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Tobramycin (Nebcin)	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Other_____	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Other_____	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
Other_____	□ Yes □ No □ Unknown	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	□ Yes □ No □ Unknown
	□ Yes □ No							□ Yes

Other______________	□ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown
Other______________	□ Yes □ No □ Unknown	___/___/_____	___/___/	___/___/_____	___/___/_____	___/___/_____	___/___/_____	□ Yes □ No □ Unknown

4a. Was ID consulted for the treatment of the CRE infection? □ Yes □ No □ Unknown	**4b. If Yes, report date of initial ID consult (or reconsult)** __/__/__	
4c. Were there any antibiotics noted by a clinician that could not be used for CRE treatment because they were not available or not on formulary? □ Yes □ No □ Unknown **4d. If Yes, please specify antibiotics _____**		
Testing for carbapenemase genes: □ No testing for carbapenemase gene data available from the **medical record**		
5a. Was the incident specimen tested for carbapenemase genes? □ Yes □ No □ Unknown	**5b. If yes, what testing method was used?** (check all that apply) □ Automated Molecular Assay □ Carba-R □ Check Points □ Immunochromatographic lateral flow tests (ICT) □ MALDI-TOF MS □ Next Generation NucleicAcid Sequencing □ PCR □ Streck ARM-D □ Other (specify):_____ □ Unknown	**5c. If yes, dates of testing** __/__/__ __/__/__ **5d. If tested, what was the testing result?** □ NDM □ Pos □ Neg □ Ind □ Unk □ KPC □ Pos □ Neg □ Ind □ Unk _____
Parameters to calculate qPitt Bacteremia score: Record the measurements that occurred within 48 hours before or on the day of the DISC.		
6a. Highest body temperature(F or ˚C) on the day of the DISC _____ F _____˚C	**6b. Lowest body temperature (F or ˚C) on the day of the DISC** _____ F _____˚C	**6c. Has the patient had an acute hypotensive event with drop in systolic blood pressure >30 mm Hg and diastolic blood pressure >20 mm Hg on the day of the DISC?** □ Yes □ No □ Unknown
6d. Systolic blood pressure (lowest value) on the day of the DISC _____ mm Hg	**6e. Is the patient receiving mechanical ventilation on the day of the DISC?** □ Yes □ No □ Unknown	**6f. Patient has a respiratory rate of >25 breaths per minute on the day of the DISC** □ Yes □ No □ Unknown
6g. Has the patient had a cardiac arrest on the day of the DISC or within 48 hours before the DISC? □ Yes □ No □ Unknown	**6h. Is the patient receiving intravenous vasopressors (medications to help raise blood pressure) on the day of the DISC?** □ Yes □ No □ Unknown	**6i. Mental state on the day of the DISC** (check all that apply) □ Alert (normal) □ Disoriented □ Stuporous □ Comatose □ Sedated □ Unknown

7a. Susceptibility results (AST) from the medical record: Please complete the table based on the information found in the medical record □ No susceptibility data available from the **medical record**						
Antibiotic (brand)	**MIC or zone diameter (clinical lab)**	**Interpretation (clinical lab)**	**AST result date (clinical lab)**	**MIC or zone diameter (SPHL/ARLN)**	**Interpretation (SPHL/ ARLN)**	**AST result date (SPHL/ARLN)**
Amikacin (Amikin)						
Aztreonam (Azactam)						
Aztreonam-avibactam						
Cefepime (Maxipime)						
Cefiderocol						
Ceftriaxone (Rocephin)						
Cefotaxime (Claforan)						
Ceftazidime (Fortaz)						
Ceftazidime-avibactam						
Ceftolozane-tazobactam						
Ciprofloxacin (Cipro)						
Colistin or Polymyxin E (Coly-Mycin-S)						
Cefepime-enmetazobactam						
Doripenem (Doribax)						
Doxycycline						
Eravacycline						
Ertapenem (Invanz)						
Fosfomycin (Monurol)						
Gentamicin (Garamycin)						
Imipenem (Primaxin)						
Imipenem-relebactam						
Levofloxacin (Levaquin)						
Meropenem (Merrem)						
Meropenem-vaborbactam						
Minocycline						
Nitrofurantoin						
Moxifloxacin (Avelox)						
Piperacillin-Tazobactam (Zosyn)						
Plazomicin						
Polymixin B						
Tigecycline (Tygacil)						
Trimetoprim-sulfamethoxazole						
Tobramycin (Nebcin)						
Other_____						

7b. Susceptibility results from the ET, KB, MS, PX, SEN, VK, APS data sources in lab reports:
Please complete the table based on the information found at laboratory reports received by EIP sites (if not available or different from results in the medical record)

Antibiotic (brand)	**MIC or zone diameter (clinical lab)**	**Interpretation (clinical lab)**	**AST result date (clinical lab)**	**MIC or zone diameter (SPHL/ARLN)**	**Interpretation (SPHL/ ARLN)**	**AST result date (SPHL/ARLN)**
Amikacin (Amikin)						
Aztreonam (Azactam)						
Aztreonam-avibactam						
Cefepime (Maxipime)						
Cefiderocol						
Ceftriaxone (Rocephin)						
Cefotaxime (Claforan)						
Ceftazidime (Fortaz)						
Ceftazidime-avibactam						
Ceftolozane-tazobactam						
Ciprofloxacin (Cipro)						
Colistin or Polymyxin E (Coly-Mycin-S)						
Cefepime-enmetazobactam						
Doripenem (Doribax)						
Doxycycline						
Eravacycline						
Ertapenem (Invanz)						
Fosfomycin (Monurol)						
Gentamicin (Garamycin)						
Imipenem (Primaxin)						
Imipenem-relebactam						
Levofloxacin (Levaquin)						
Meropenem (Merrem)						
Meropenem-vaborbactam						
Minocycline						
Nitrofurantoin						
Moxifloxacin (Avelox)						
Piperacillin-Tazobactam (Zosyn)						
Plazomicin						
Polymixin B						
Tigecycline (Tygacil)						
Trimetoprim-sulfamethoxazole						
Tobramycin (Nebcin)						
Other_____						

8. Form completion status □ Complete □ Pending	**9. Date of abstraction** __/__/__	**10. SO initials**
11. Comments		