

## Carbapenem-Resistant Enterobacteriaceae (CRE) in California Acute Care Hospi...

Carbapenem-Resistant Enterobacteriaceae (CRE) are emerging multidrug resistant organisms or MDROs that have important clinical, epidemiological, and public health implications. The HAI Program is conducting a statewide survey of acute care hospitals to determine current CRE regional prevalence, as well as current CRE identification, notification, surveillance and control practices. Based on a pilot study of this survey, it should take about 15 minutes.

Your participation in this survey is extremely valuable. We will make our final summary available on our website and notify all participating hospitals.

It will be helpful to have your 2012 antibiogram (cumulative susceptibility data) and the numbers of isolates of *Klebsiella* spp. and *E. coli* reported in 2012 (this may be included on your antibiogram). Please make sure you have that available before beginning the survey.

For the purposes of this survey CRE will be defined as any Enterobacteriaceae (usually *Klebsiella* spp., *E. coli* and *Enterobacter* spp.) with demonstrated resistance to at least one carbapenem (imipenem, meropenem, or doripenem) based on the breakpoints used by your microbiology laboratory. Also, CRE are distinct from ESBLs (extended-spectrum beta-lactamases) which are a different resistance enzyme possessed by some Enterobacteriaceae.

### \* 1. NHSN ID

### 2. Please enter your contact information

Name

Phone

Hospital Name

Address

## 2012 Antibigram

To answer the first four questions refer to your hospital's 2012 antibiogram.

**\*3. In 2012, How many Klebsiella spp. were isolated in your hospital? (Please add all species and all sites together.)**

**\*4. In 2012, how many Escherichia coli (E. coli) were isolated in your hospital? (Please add all sites together.)**

**\*5. In 2012, were any carbapenem-resistant Enterobacteriaceae (CRE) isolates identified in your facility?**

- Yes
- No
- Unknown

## CRE Prevalence

**\*6. How many isolates of *Klebsiella* spp. were identified as nonsusceptible to carbapenems in 2012?**

**\*7. How many isolates of *E. coli* were identified as nonsusceptible to carbapenems in 2012?**

**\*8. Did you identify CRE in other Enterobacteriaceae?**

- Yes
- No
- Unknown
- N/A

## Other Carbapenem-Resistant Enterobacteriaceae

**9. Please specify the type of Enterobacteriaceae that your lab has isolated as nonsusceptible to carbapenems in 2012.**

**10. Please specify the number of CRE identified in the above named Enterobacteriaceae.**

**11. Please specify the type of Enterobacteriaceae that your lab has isolated as nonsusceptible to carbapenems in 2012.**

**12. Please specify the number of CRE identified in the above named Enterobacteriaceae.**

**13. Please specify the type of Enterobacteriaceae that your lab has isolated as nonsusceptible to carbapenems in 2012.**

**14. Please specify the number of CRE identified in the above named Enterobacteriaceae.**

**15. Please specify the type of Enterobacteriaceae that your lab has isolated as nonsusceptible to carbapenems in 2012.**

**16. Please specify the number of CRE identified in the above named Enterobacteriaceae.**

**17. Please specify the type of Enterobacteriaceae that your lab has isolated as nonsusceptible to carbapenems in 2012.**

**18. Please specify the number of CRE identified in the above named Enterobacteriaceae.**

**19. Please specify the type of Enterobacteriaceae that your lab has isolated as nonsusceptible to carbapenems in 2012.**

**20. Please specify the number of CRE identified in the above named Enterobacteriaceae.**

**21. Have you seen the Health Alert Network Advisory on CRE?**

- Yes
- No

## CRE Notification

**22. Does the microbiology laboratory that performs cultures for your hospital have an established system for alerting infection prevention staff in a timely manner (i.e., within 24 hrs) whenever a CRE isolate is identified?**

- Yes
- No
- Unknown

## CRE Alerts

**23. Does the laboratory provide preliminary alerts (i.e. before culture results are confirmed) of CRE isolates to infection prevention staff?**

- Yes
- No
- Unknown
- Sometimes

## CRE Alerts 2

**24. If alerts are provided, please estimate the time it takes for the laboratory to notify the infection prevention staff.**

- <24 hours
- 24 to 48 hours
- 49 to 72 hours
- >72 hours

Other (please specify)

## Retaining CRE Isolates

**25. Does your microbiology laboratory retain CRE isolates for potential further testing?**

- Yes
- No
- Unknown

## Microbiology Review

**26. Has your hospital ever reviewed 6 to 12 months of microbiology records to detect any previously unrecognized CRE cases?**

- Yes
- No
- Unknown

## More CRE Microbiology Review

**27. Did your review identify any previously unrecognized CRE cases?**

- Yes
- No
- Unknown

## CRE Point Prevalence

**28. Has your hospital ever conducted a point prevalence survey (single round of active surveillance cultures) for CRE in high-risk units (e.g., units where previously unrecognized CRE cases were identified, ICU, and units with high antimicrobial utility)?**

- Yes
- No
- Unknown

## More CRE Point Prevalence

**29. Did your hospital identify any unrecognized CRE?**

- Yes
- No
- Unknown

**30. There is a specific laboratory protocol for Klebsiella spp. and E. coli restricting testing of surveillance cultures for CRE only. For the point prevalence survey, did your laboratory follow this protocol?**

- Yes
- No
- Unknown

## CRE Prevention and Control

**31. If a CRE case is identified, does your hospital conduct active surveillance testing of patients with epidemiologic links to the CRE case (e.g., patients in same unit or who were provided care by same healthcare personnel)?**

- Yes
- No
- Unknown
- N/A

**32. If a patient infected or colonized with CRE is identified, which of the following measures are implemented (check all that apply):**

- Place on Contact Precautions
- Place in single-patient rooms when possible
- Other (please specify)

**33. If a patient infected or colonized with CRE is identified and transferred within the hospital, is there an established protocol to ensure that Contact Precautions are continued?**

- Yes
- No
- Unknown

**34. When transferring a patient to a different facility do you complete an interfacility transfer form that includes whether or not the patient is infected, colonized or at risk of being infected or colonized with CRE?**

**If No, please copy the following link into your browser bar to reach the CDPH Interfacility Transfer Form <http://www.cdph.ca.gov/programs/hai/Documents/InterfacilityTransfer-Acute-LTC-9.pdf>**

- Yes
- No
- Unknown
- Sometimes

## CRE Screening

**35. Does your facility perform surveillance cultures for CRE at admission of any group of patients?**

- Yes
- No
- Unknown

## More CRE Screening

### 36. Indicate all that apply:

- All patients
- Patients hospitalized overnight outside of the US within the last 6 months
- Patients admitted from long-term acute care hospitals
- Patients admitted from long-term care facilities
- Unknown

Other (please specify)

## Detecting

**37. When patients are admitted to your hospital are they questioned about their travel history?**

- Yes
- No
- Unknown
- Sometimes

**38. When patients are admitted do you ask about any overnight stays at other healthcare facilities in the last 6 months?**

- Yes
- No
- Unknown
- Sometimes

## Thank You

Thank you for participating in the CDPH CRE Survey. If you have additional questions about CRE, please visit the CDPH CRE website at <http://www.cdph.ca.gov/programs/hai/Pages/Carbapenem-ResistantEnterobacteriaceae.aspx>

In addition, please fax or send us a copy of your 2012 antibiogram:

HAI Program  
California Department of Public Health  
850 Marina Bay Parkway, Bldg. E, 1st Floor  
Richmond, CA 94804  
Fax - (510)620-3989

**39. Were any of the questions asked during this survey unclear? Do you have any questions regarding the survey? Please enter them in the text box below:**

**\*40. Please provide us with contact information for your hospital's Laboratory Director:**

Name	<input type="text"/>
Phone	<input type="text"/>
E-mail	<input type="text"/>