U.S. CENTERS FOR DISEASE CONTROL AND PREVENTION

Treatment Choices for Carbapenem-Resistant Enterobacterales: An Emerging Infections Network Survey

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BACKGROUND

- Carbapenem-resistant Enterobacterales (CRE) infections are highly resistant to most antibiotics, including carbapenems, which are commonly used to combat multidrug-resistant bacterial infections.
- New antibiotics offer additional treatment options for CRE infections, but data are limited on healthcare provider decision making.
- We used a scenario-based survey to understand treatment selections and the potential drivers and barriers of these decisions.

METHODS

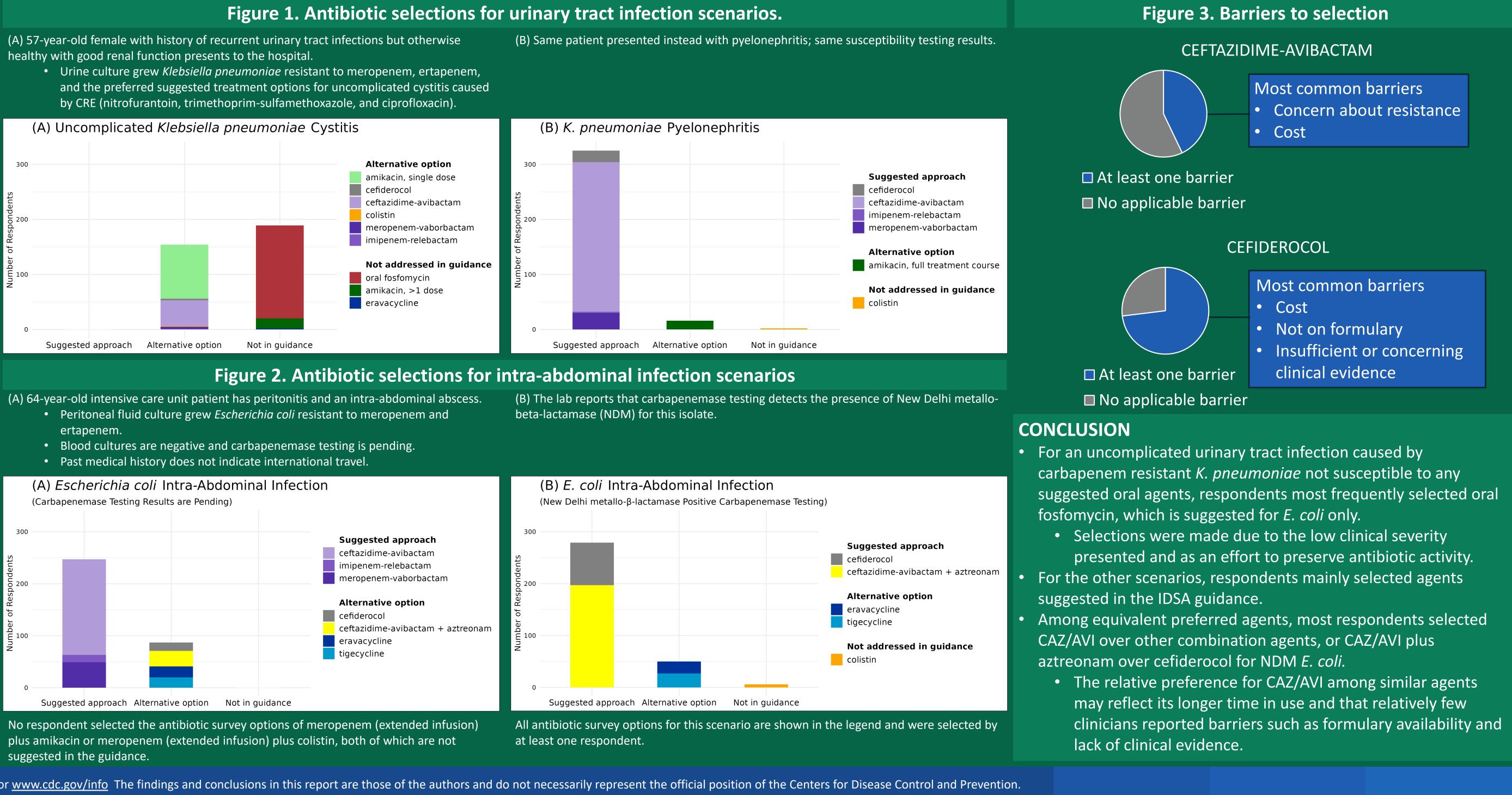
- We surveyed providers through the Infectious Diseases Society of America (IDSA) Emerging Infections Network (EIN) in November 2023 to understand the current management of CRE infections in the context of new therapeutics.
- Our survey included four CRE infection scenarios to ascertain antibiotic selection.
- Selections were classified as suggested, alternative, or not in guidance according to the 2023 IDSA Guidance on the Treatment of Antimicrobial Resistant Gram-Negative Infections
- We asked respondents about barriers to use of selected antibiotics.

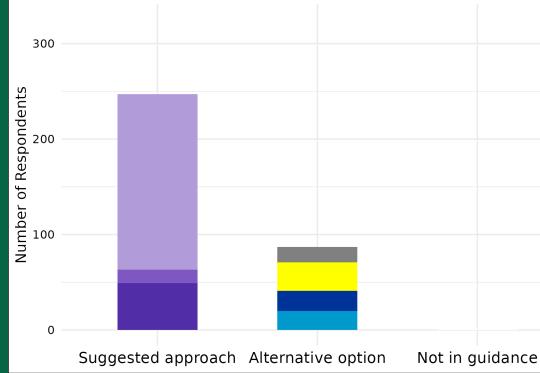
RESULTS

- Overall, 441 (28%) of 1566 EIN members who have ever participated in surveys responded.
 - All respondents practice adult infectious diseases and 240 (55%) had less than 15 years of experience since fellowship.
 - 337 (76%) reported treating a CRE infection in the last year.
- 104 (24%) did not report treating a CRE infection, of which 93 (89%) did not continue the survey.
- Antibiotic selections for the four scenarios are shown in Figures 1 and 2.
- Barriers to selection for ceftazidime-avibactam (CAZ/AVI) and cefiderocol are shown in Figure 3. Survey Link

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