

Reporting Behaviors and Perceptions Towards the National Healthcare Safety Network Antimicrobial Use (AU) and Antimicrobial Resistance (AR) Modules

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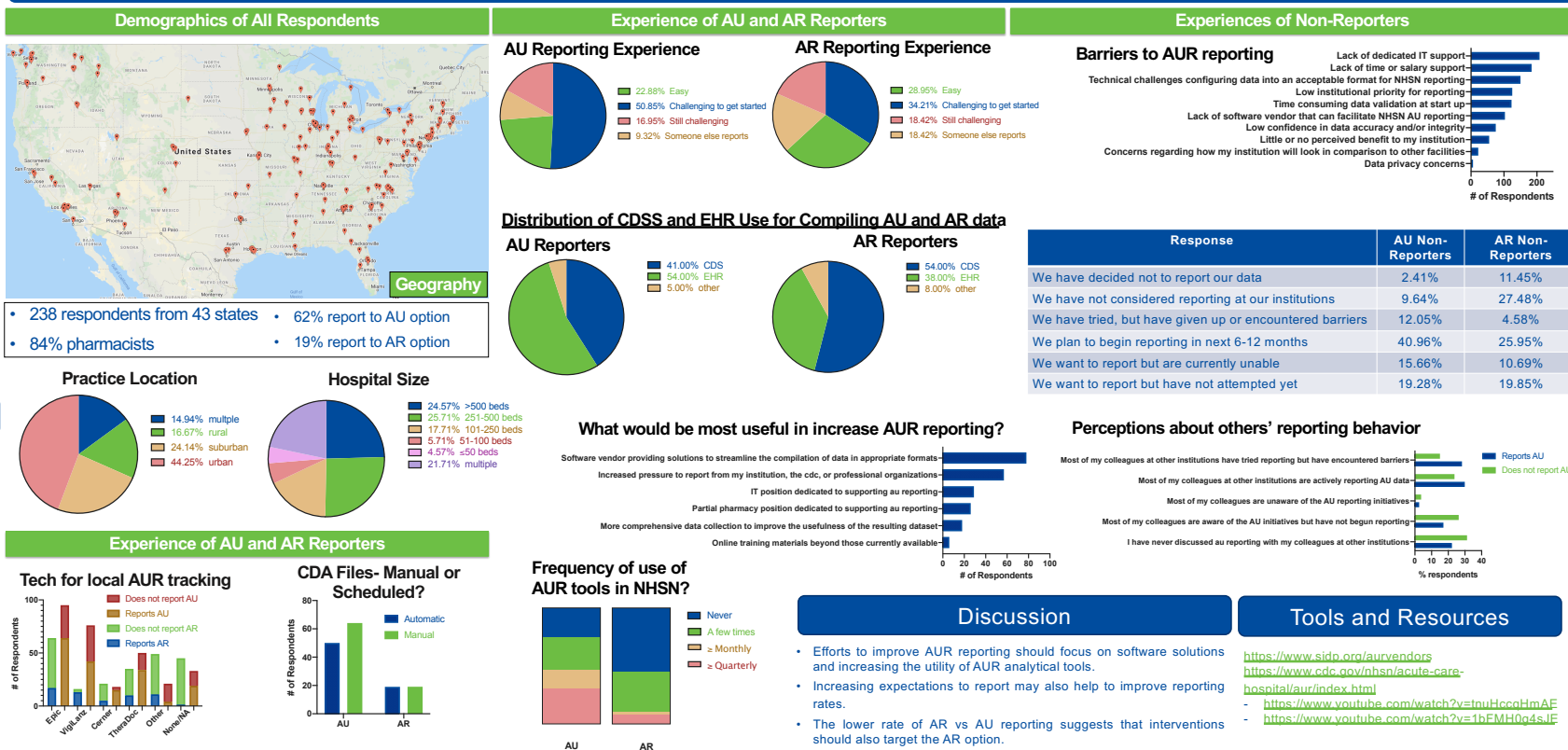
Introduction

- The CDC's National Healthcare Safety Network (NHSN) has modules for collecting national trends on Antibiotic use (AU) and antibiotic resistance (AR; AUR).
- A recent report indicates 1511 of 4668 (32.4%) NHSN enrolled hospitals have reported at least 1 month of data to the AU option *Clin Infect Dis.* 2020 Mar 26;ciaa326. doi: 10.1093/cid/ciaa326
- Despite increases, reporting is not yet universal and those who are reporting may encounter barriers
- To better understand the experiences of those reporting to the AU and AR modules, the Society of Infectious Diseases Pharmacists (SIDP) and the Society of Healthcare Epidemiology of America Research Network (SRN) surveyed their membership
- This survey had the following objectives:
 - 1) Identify characteristics of US health systems that report AU and AR data
 - 2) Determine how NHSN AU and AR data are used by health systems
 - 3) Identify barriers to AU and AR reporting.

Approach

- A survey was written by a subgroup of the SIDP Policy and Government Affairs Committee
- Survey authors included academics and stewardship practitioners responsible for AU or AR reporting and questions were informed by discussions with other practitioners with a range of experiences reporting or trying to report to these modules
- This anonymous survey was posted on SurveyMonkey from 1/21-2/21/2020 and links were emailed to SIDP and SRN members with approval from organization leadership
- Respondent and hospital data were reported as frequencies and percentages
- Fisher's Exact test was used to compare survey responses from NHSN AUR reporters to non-reporters

Results



Discussion

- Efforts to improve AUR reporting should focus on software solutions and increasing the utility of AUR analytical tools.
- Increasing expectations to report may also help to improve reporting rates.
- The lower rate of AR vs AU reporting suggests that interventions should also target the AR option.

Tools and Resources

- <https://www.sidp.org/aur/vendors>
- <https://www.cdc.gov/nhsn/acute-care-hospital/aur/index.html>
- <https://www.youtube.com/watch?v=touHccgHmAF>
- <https://www.youtube.com/watch?v=1bFMH0g4sJF>