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

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Introduction Results **Demographics of All Respondents** Experience of AU and AR Reporters Experiences of Non-Reporters AU Reporting Experience **AR Reporting Experience** Barriers to AUR reporting Lack of dedicated IT suppor Lack of time or salary suppor A recent report indicates 1511 of 4668 (32.4%) Technical challenges configuring data into an acceptable format for NHSN reporting 2.88% Easy 28.95% Easy Low institutional priority for reporting Time consuming data validation at start up Lack of software vendor that can facilitate NHSN AU reporting 34.21% Challenging to get started 50.85% Challenging to get started 18.42% Still challenging 16.95% Still challenging Low confidence in data accuracy and/or integrity 18.42% Someone else reports · Despite increases, reporting is not yet 9.32% Someone else report Little or no perceived benefit to my institution Concerns regarding how my institution will look in comparison to other facilitie United States Data privacy concern 100 200 Distribution of CDSS and EHR Use for Compiling AU and AR data AR Reporters Response AU Non-AR Non-AU Reporters America Research Network (SRN) surveyed their Reporters Reporters 54.00% CDS 38.00% EHR 8.00% other 41.00% CDS · This survey had the following objectives: 54.00% EH We have decided not to report our data 2.41% 11.45% Geography 27.48% We have not considered reporting at our institutions 9.64% 1) Identify characteristics of US health systems 238 respondents from 43 states that report AU and AR data 62% report to AU option We have tried, but have given up or encountered barriers 12.05% 4.58% 2) Determine how NHSN AU and AR data are • 19% report to AR option 40.96% 25.95% 84% pharmacists We plan to begin reporting in next 6-12 months 10.69% We want to report but are currently unable 15.66% 3) Identify barriers to AU and AR reporting. Practice Location Hospital Size We want to report but have not attempted yet 19.28% 19.85% 24.57% >500 beds Approach 25.71% 251-500 beds 17.71% 101-250 beds 5.71% 51-100 beds 14.94% multple What would be most useful in increase AUR reporting? Perceptions about others' reporting behavior 16.67% rural 24.14% suburban A survey was written by a subgroup of the SIDP 4.57% ≤50 beds Software vendor providing solutions to streamline the compilation of data in appropriate for 🔲 44.25% urban 21.71% multiple Policy and Government Affairs Committee -Increased pressure to report from my institution, the cdc, or professional or use at other institutions are actively reporting ALL d Survey authors included academics and IT position dedicated to supporting au reporti es are unaware of the All re stewardship practitioners responsible for AU or Partial pha rmacy position dedicated to supporting au reportin AR reporting and questions were informed by use are aware of the All initiatives but h More comprehensive data collection to improve the usefulness of the resulting dat discussions with other practitioners with a range Experience of AU and AR Reporters Online training materials beyond those currently av of experiences reporting or trying to report to 10 20 30 40 20 40 60 80 100 Frequency of use of these modules CDA Files- Manual or # of Responde % respondent Tech for local AUR tracking AUR tools in NHSN? Scheduled? This anonymous survey was posted on Does not report AU 80-SurveyMonkey from 1/21- 2/21/2020 and links Reports AU **Tools and Resources** Discussion Automatic Never were emailed to SIDP and SRN members with oes not report AF A few time Manual approval from organization leadership ■ ≥ Monthly · Efforts to improve AUR reporting should focus on software solutions https://www.sidp.org/aurvendors Respondent and hospital data were reported as Image: Example 2 = Quarterly and increasing the utility of AUR analytical tools https://www.cdc.gov/nhsn/acute-carefrequencies and percentages Increasing expectations to report may also help to improve reporting hospital/aur/index.html https://www.youtube.com/watch?v=tnuHccoHmAE Fisher's Exact test was used to compare survey rates responses from NHSN AUR reporters to nonhttps://www.voutube.com/watch?v=1bFMH0g4sJE · The lower rate of AR vs AU reporting suggests that interventions reporters should also target the AR option AU ΔR

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- The CDC's National Healthcare Safety Network (NHSN) has modules for collecting national trends on Antibiotic use (AU) and antibiotic resistance (AR' AUR)
- NHSN enrolled hospitals have reported at least 1 month of data to the ALL option (Clin Infect Dis 2020 Mar 26:ciaa326. doi: 10.1093/cid/ciaa326)
- 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
- membership

- used by health systems