

Using AU Data to Guide Stewardship

Yes, critical access hospitals can do it!

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Antibiotic Stewardship Pharmacist, Southwest Health System

URL: <http://rwpoll.com>
Code: uwecho

This presentation is intended for educational use only, and does not in any way constitute medical consultation or advice related to any specific patient.

Disclosures

- None

Objectives

- Understand how data is loaded into the NHSN AU module
- Have an understanding of how the AU module could be used to drive stewardship efforts
- See how Asolva allows the stewardship team to further drill down into data

Southwest Health System

- Pharmacist-led Antimicrobial Stewardship
- SHS serves about 50,000 people in rural southwest Colorado, and in parts of Utah, Arizona, and New Mexico, including the Ute Mountain and Navajo reservations. SHS has 25 inpatient beds and eight clinics.



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The screenshot displays the Medici@ AU web application interface for CDA Data Management. The browser address bar shows the URL: <https://app1.mediciau.com/NHSN/Find?key=33332404-4bc6-4a83-a02e-769fc061a00c#>. The application header includes the Medici@ AU logo and navigation links: Analyze, Details, Import, NHSN, Setup, and Users. The user name SWMHmmeyer is visible in the top right corner.

CDA Data Management

SWMH HOSP

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2017	Start	Start	Start	Start	Start							
2016	Start	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
2015	Start	Start	Start	Start	Start	Start	Start	Start	Start	Start	Start	Start
2014	Start	Start	Start	Start	Start	Start	Start	Start	Start	Start	Start	Start

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Asolva

The screenshot shows a web browser window displaying the Asolva application. The browser's address bar shows the URL <https://app1.mediciau.com/AbxUse/Pivot>. The application header includes the Medici@ AU logo and navigation tabs: Analyze, Details (with a dropdown menu), Import, NHSN, Setup, and Users. The user name SWMHmmeyer is visible in the top right. The main title is "Antibiotic Use Analysis and Management". A "Favorites" button with a star icon is in the top right. The interface is divided into four filter sections: "PAGING DIMENSIONS" (Measure Period: Last 365 Days, Facility, Prescriber, Specialty), "COLUMN DIMENSION" (Location Type), "ROW DIMENSION" (Medication: Display by Ingredient/Medication Group), and "MEASURE" (Days of Therapy). A "Run Report" button is located at the bottom left. The footer contains the copyright notice "© 2017 - Asolva, Inc".

NHSN AU

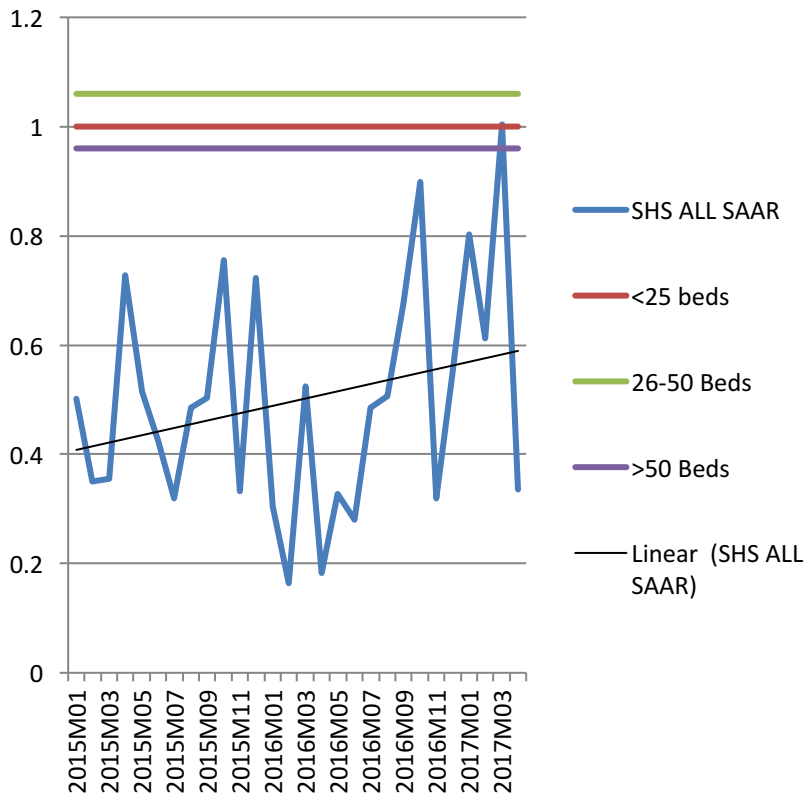
The screenshot shows a web browser window with the NHSN (National Healthcare Safety Network) interface. The browser address bar shows the URL: <https://nhsn2.cdc.gov/nhsn/showAnalysisReport.action>. The page title is "NHSN - National Healthcare Safety Network".

The main content area is titled "Analysis Reports" and features a search bar with "Expand All" and "Collapse All" buttons. Below this is a tree view of report categories:

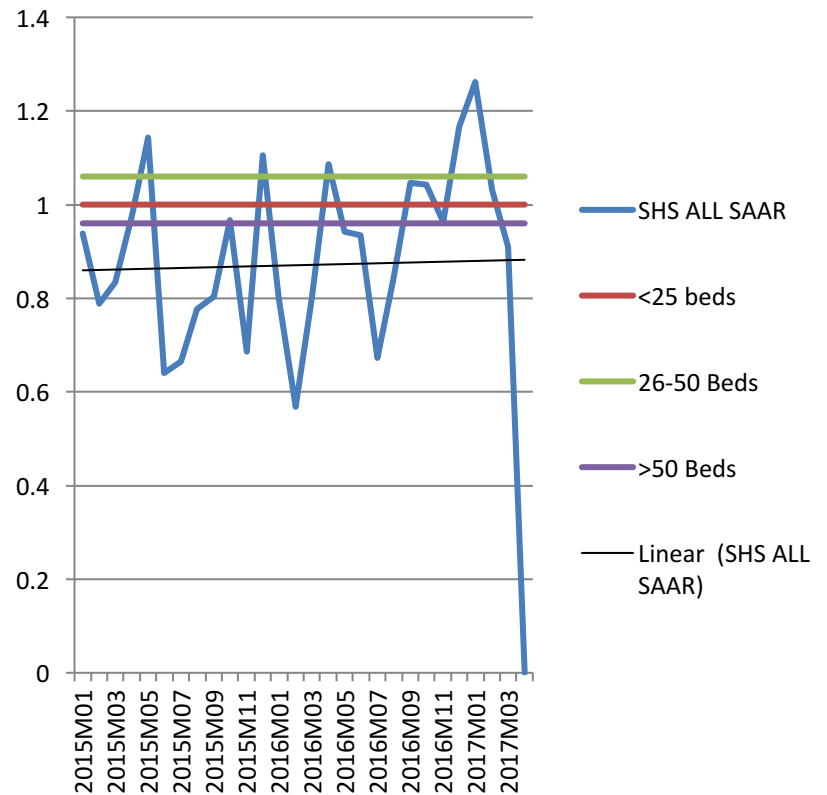
- Device-Associated (DA) Module
- Procedure-Associated (PA) Module
- HAI Antimicrobial Resistance (DA+PA Modules)
- Antimicrobial Use and Resistance Module
 - Antimicrobial Use Data
 - SIR SAAR Report - All SAARs
 - SIR SAAR Report - All SAARs by Location
 - Line Listing - Most Recent Month of AU Data for FACWIDEIN
 - Line Listing - Most Recent Month of AU Data by Location
 - Line Listing - All Submitted AU Data for FACWIDEIN
 - Line Listing - All Submitted AU Data by Location
 - Rate Table - Most Recent Month of AU Data - Antimicrobial Utilization Rates for FACWIDEIN
 - Rate Table - All Submitted AU Data - Antimicrobial Utilization Rates for FACWIDEIN
 - Rate Table - Most Recent Month of AU Data - Antimicrobial Utilization Rates by Location
 - Rate Table - All Submitted AU Data - Antimicrobial Utilization Rates by Location
 - Rate Table - Selected Drugs - FACWIDEIN - Most Recent Month
 - Rate Table - Selected Drugs - FACWIDEIN - All Months
 - Rate Table - Selected Drugs - by Location - Most Recent Month
 - Rate Table - Selected Drugs - by Location - All Months
 - Pie Chart - Most Recent Month of AU Data by Antibacterial Class and Location
 - Pie Chart - All AU Data by Antibacterial Class and Location
 - Pie Chart - Most Recent Month of AU Data by Antifungal Class and Location
 - Pie Chart - All AU Data by Antifungal Class and Location
 - Pie Chart - Most Recent Month of AU Data by Anti-influenza Class and Location
 - Pie Chart - All AU Data by Anti-influenza Class and Location
 - Bar Chart - Most Recent Month of AU Data by Antibacterial Class and Location
 - Bar Chart - All AU Data by Antibacterial Class and Location
 - Bar Chart - Most Recent Month of AU Data by Antifungal Class and Location
 - Bar Chart - All AU Data by Antifungal Class and Location
 - Bar Chart - Most Recent Month of AU Data by Anti-influenza Class and Location
 - Bar Chart - All AU Data by Anti-influenza Class and Location
 - Custom Reports
 - Antimicrobial Resistance Data

Standardized Antimicrobial Administration Ratio

ICU SAAR

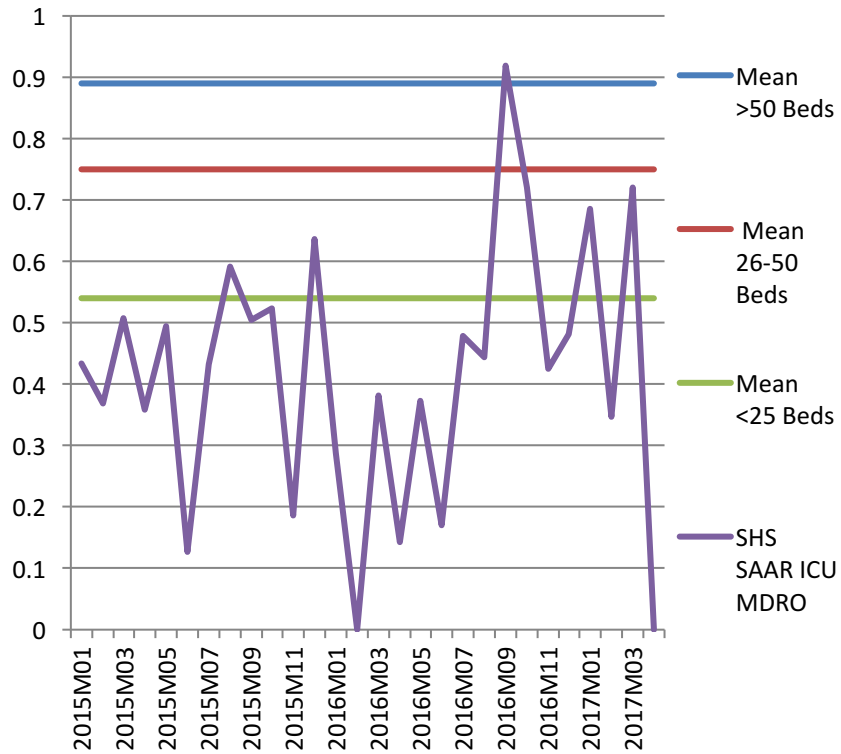


MS SAAR

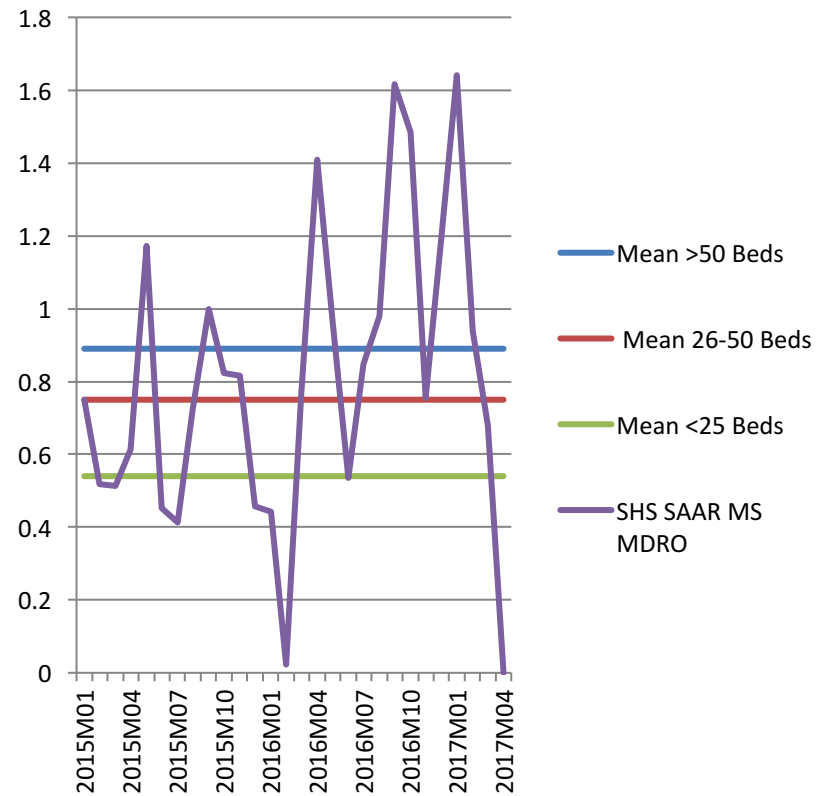


SAAR MDRO

ICU

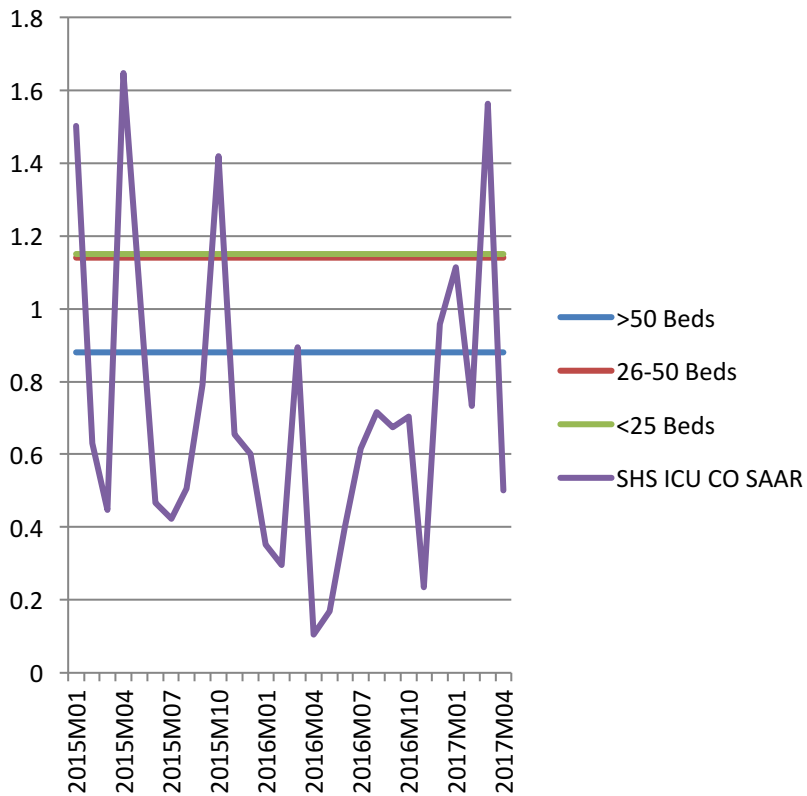


MS

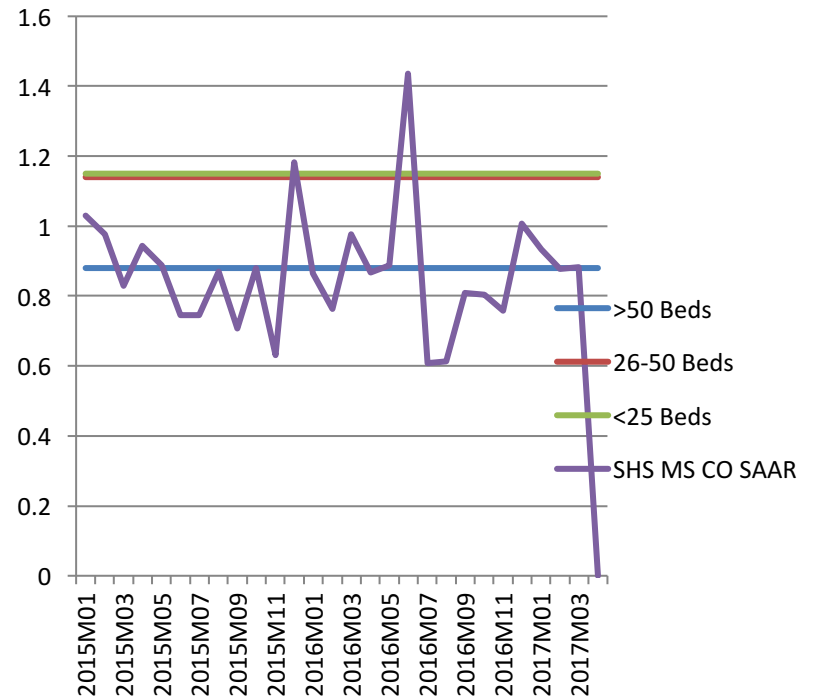


SAAR CO

ICU

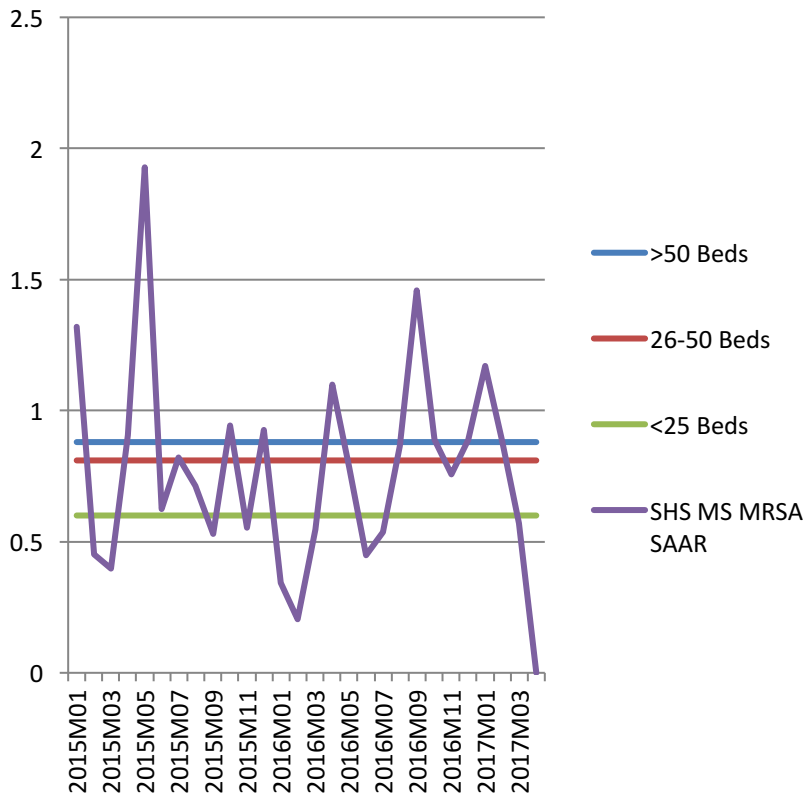


MS

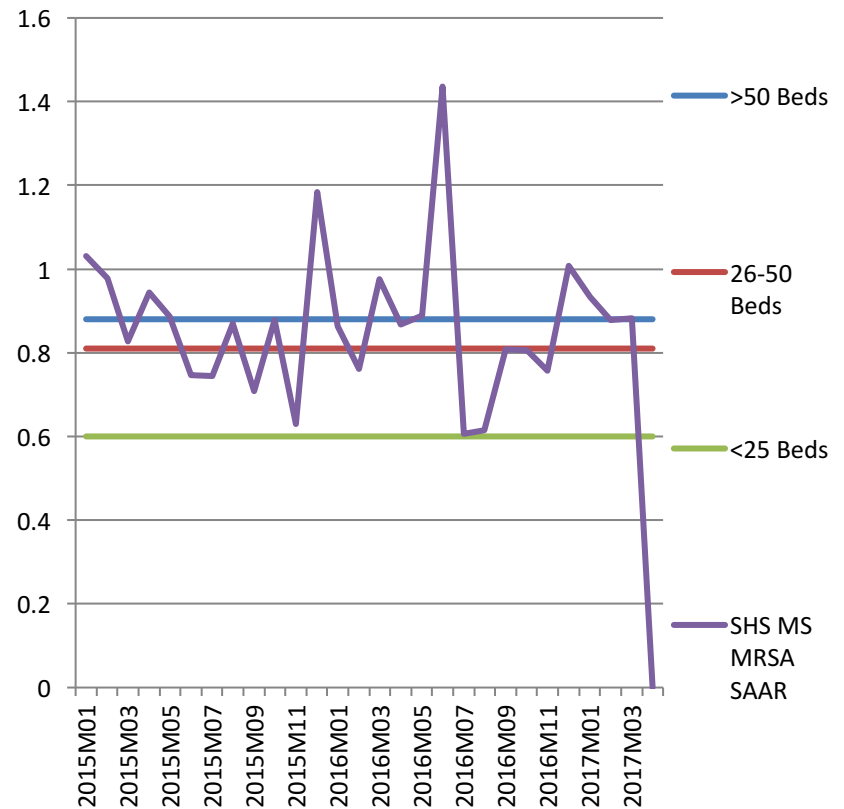


SAAR MRSA

ICU

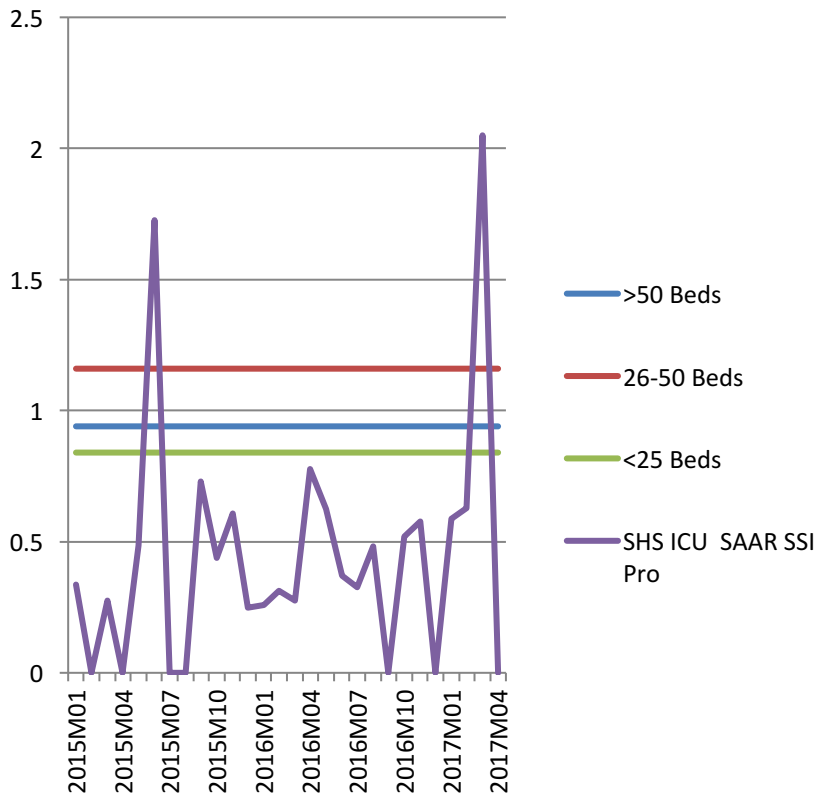


MS

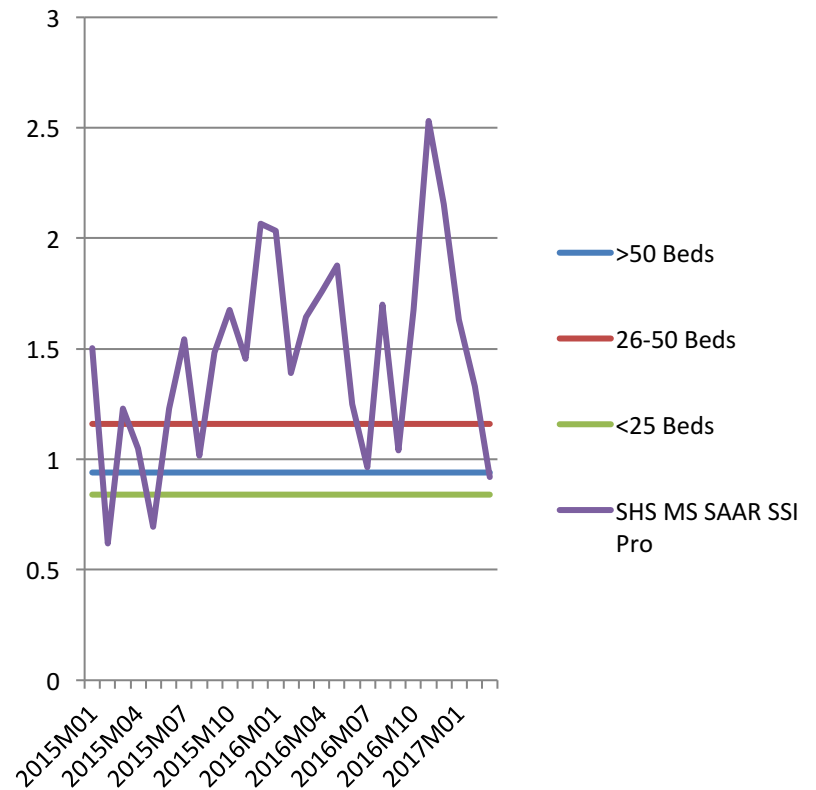


SAAR Surgical Prophylaxis

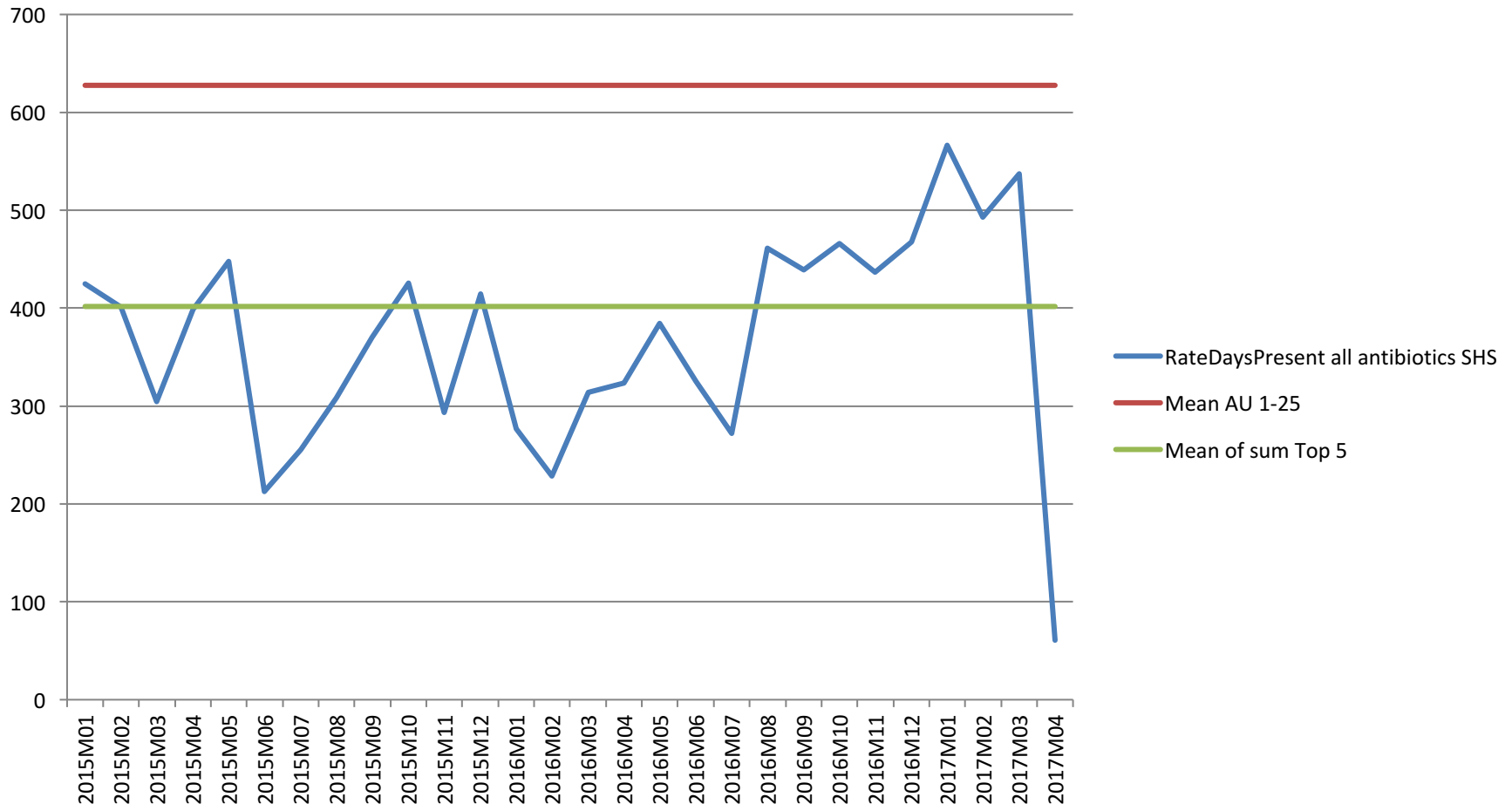
ICU



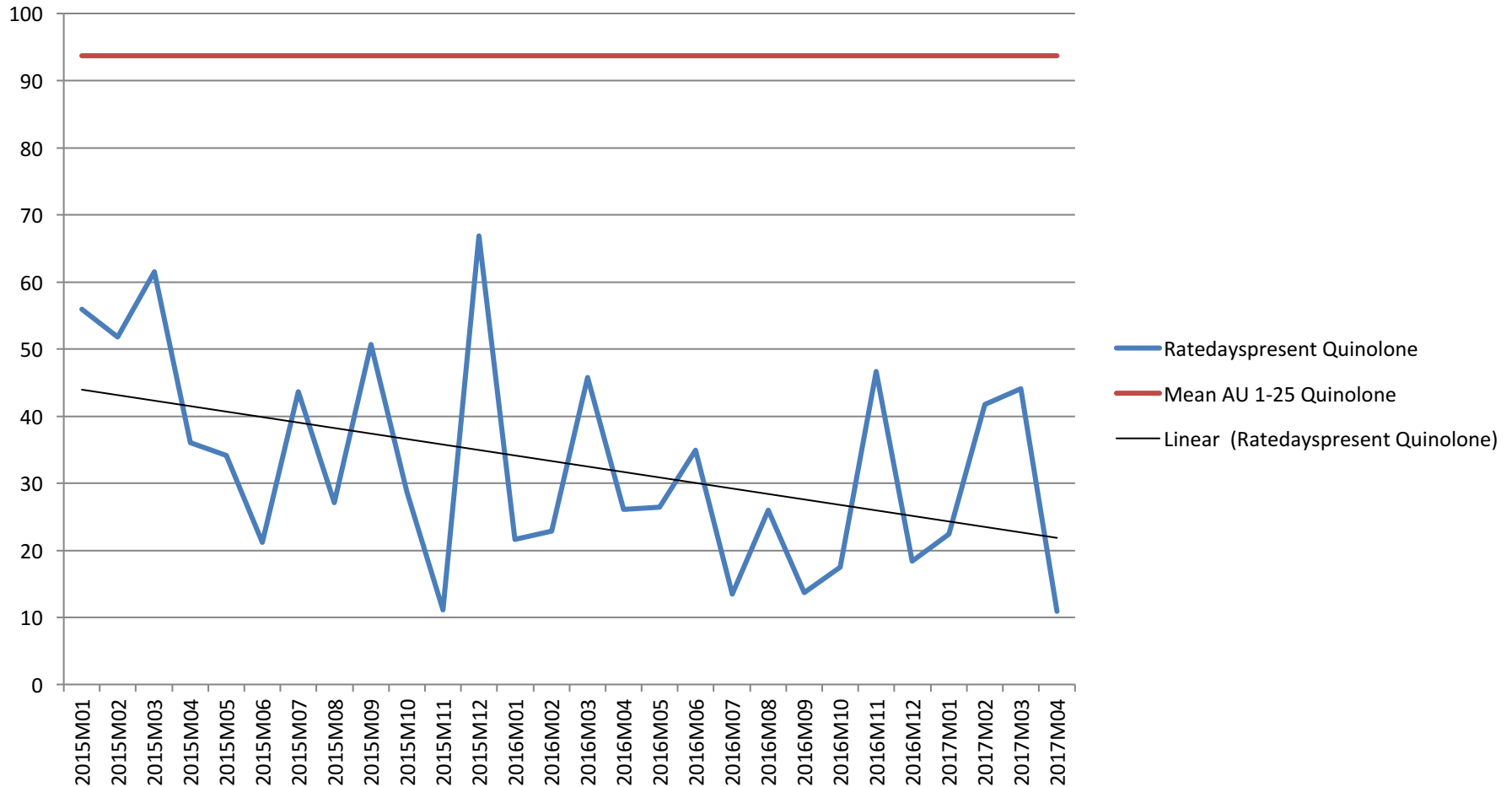
MS



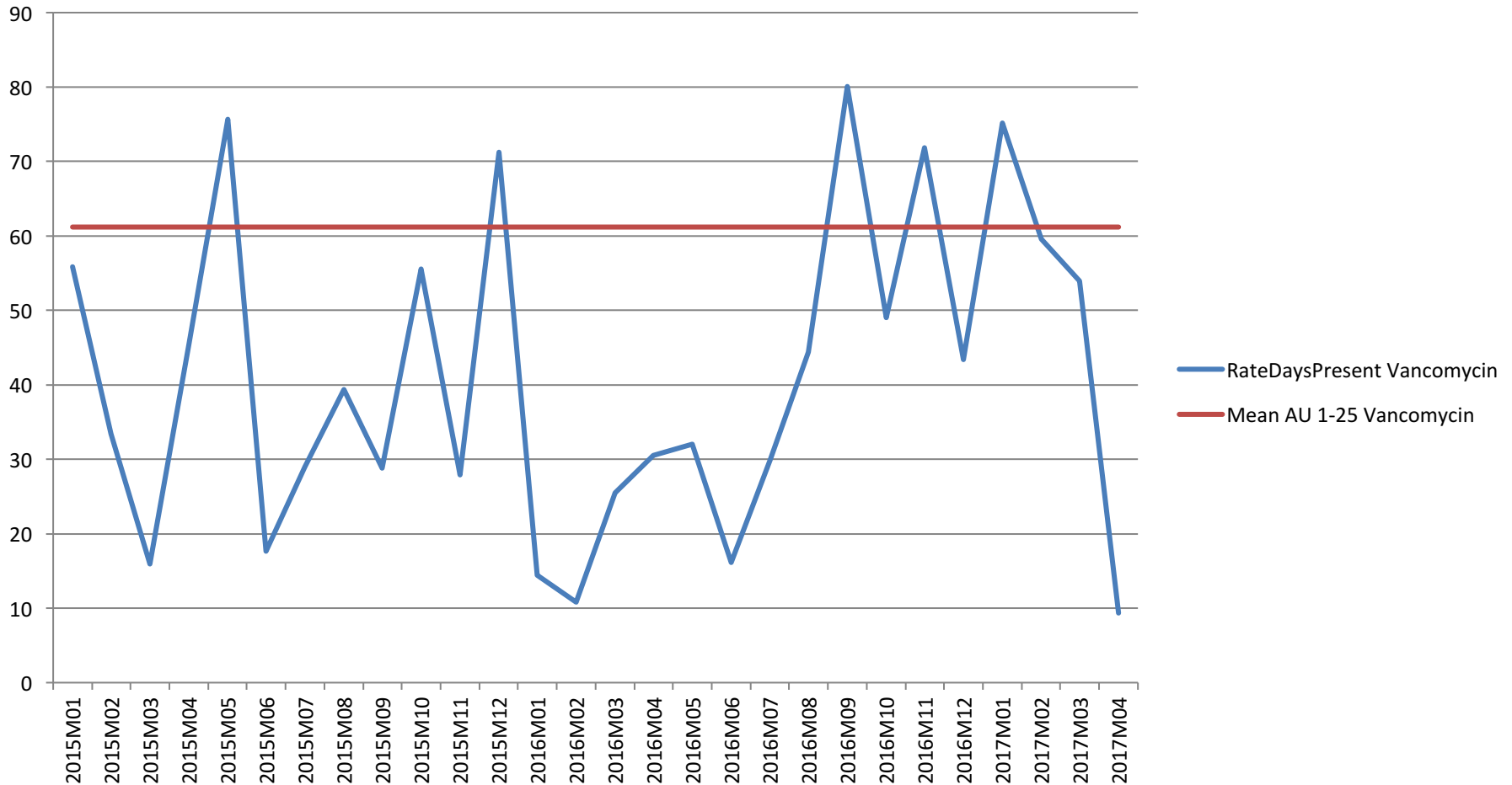
Rate Days Present all Antimicrobials



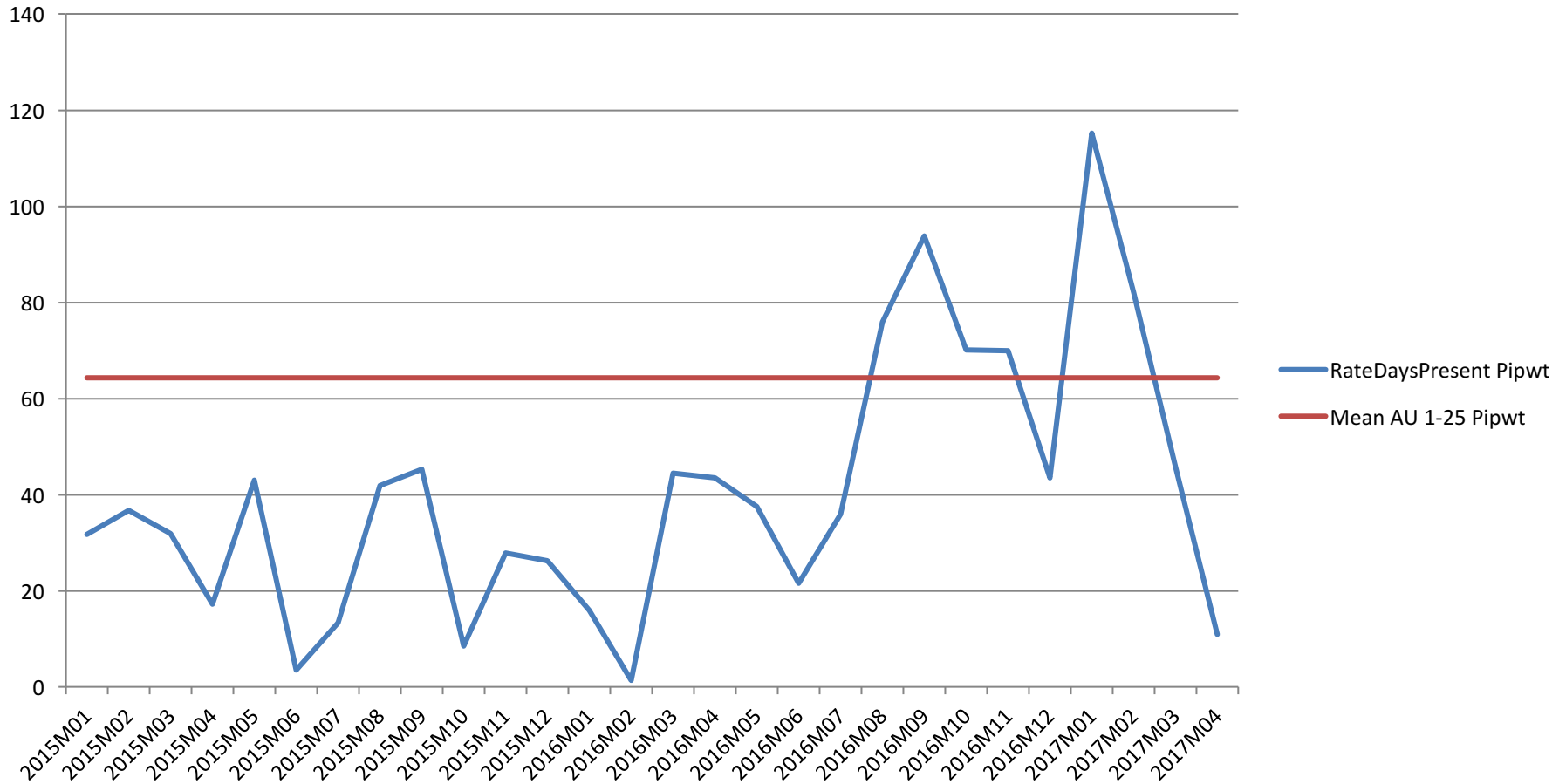
Rate Days Present Quinolone



Rate Days Present Vanco



Rate Days Present Pip/Tazo



Antimicrobials Used ED

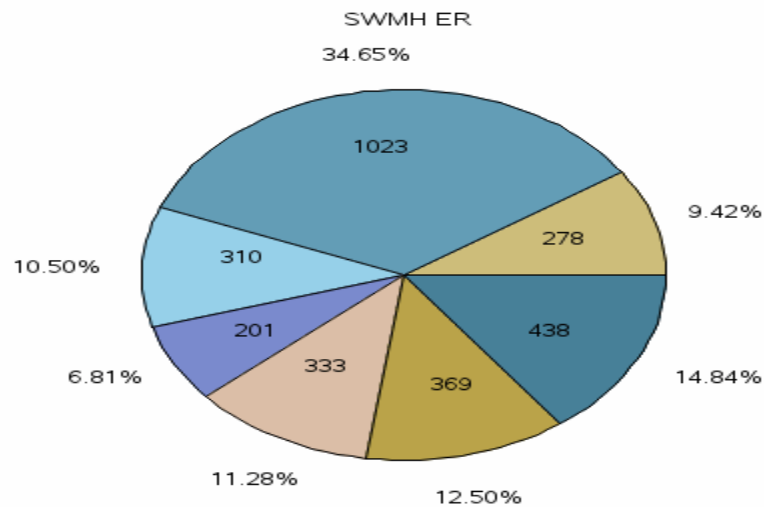
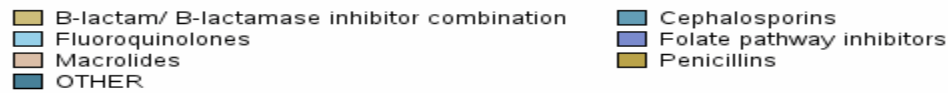
National Healthcare Safety Network

Pie Chart - All Data - Proportion of Antimicrobial Days per Antibacterial Class by Location

As of: June 2, 2017 at 5:32 PM

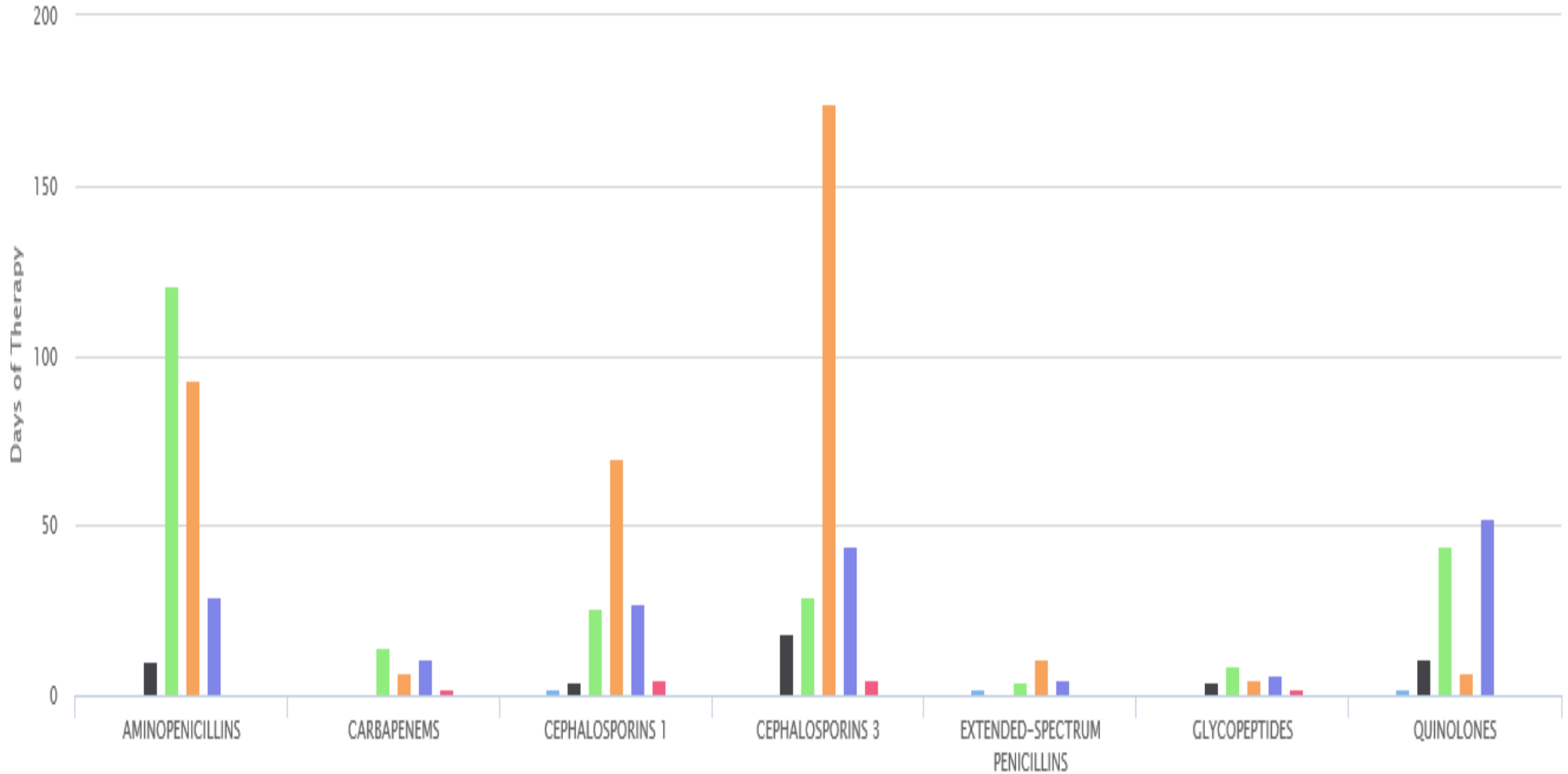
Date Range: All SUMMARYAU

Stratified by Location

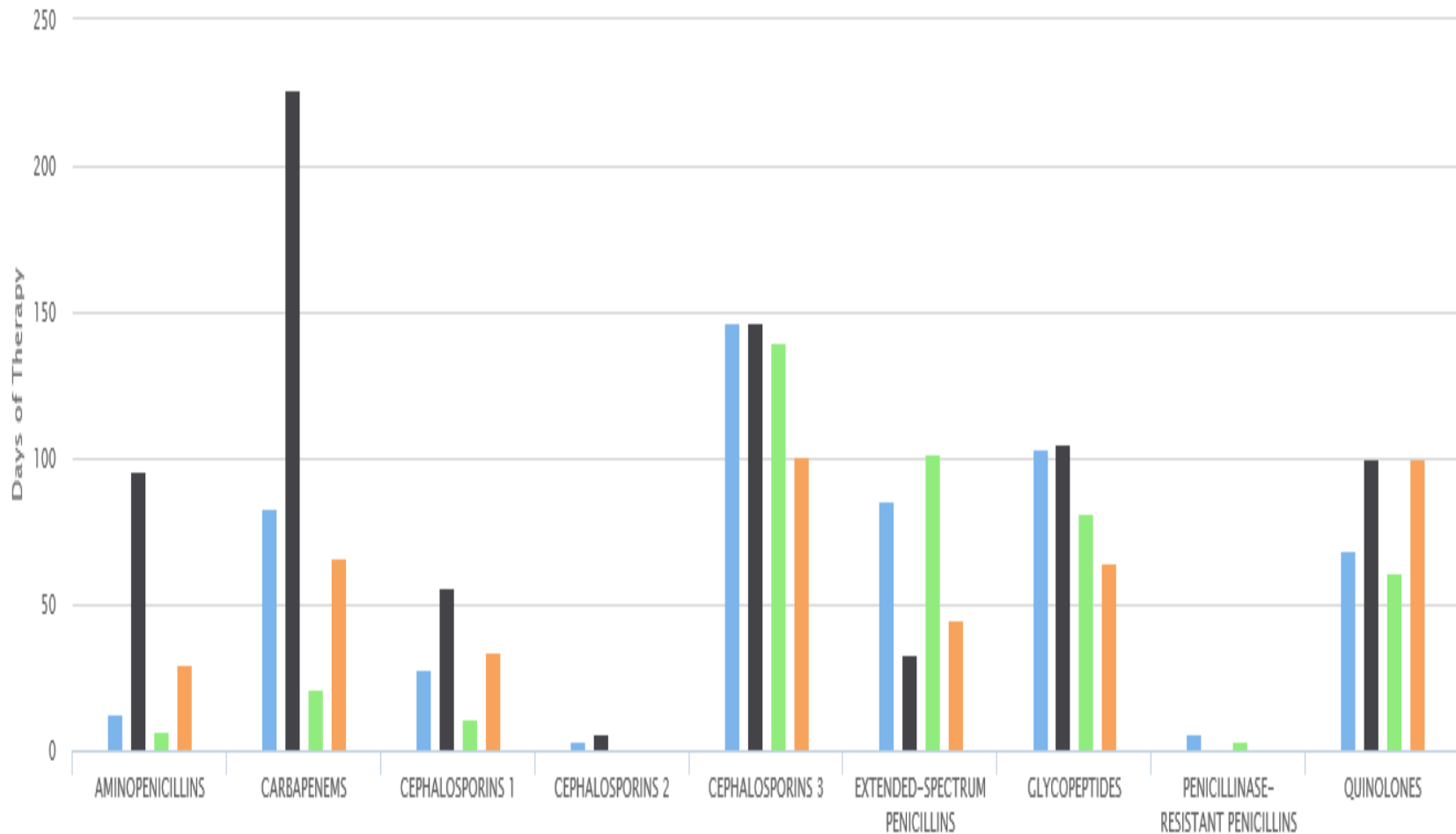


Data contained in this report were last generated on May 19, 2017 at 5:07 PM.

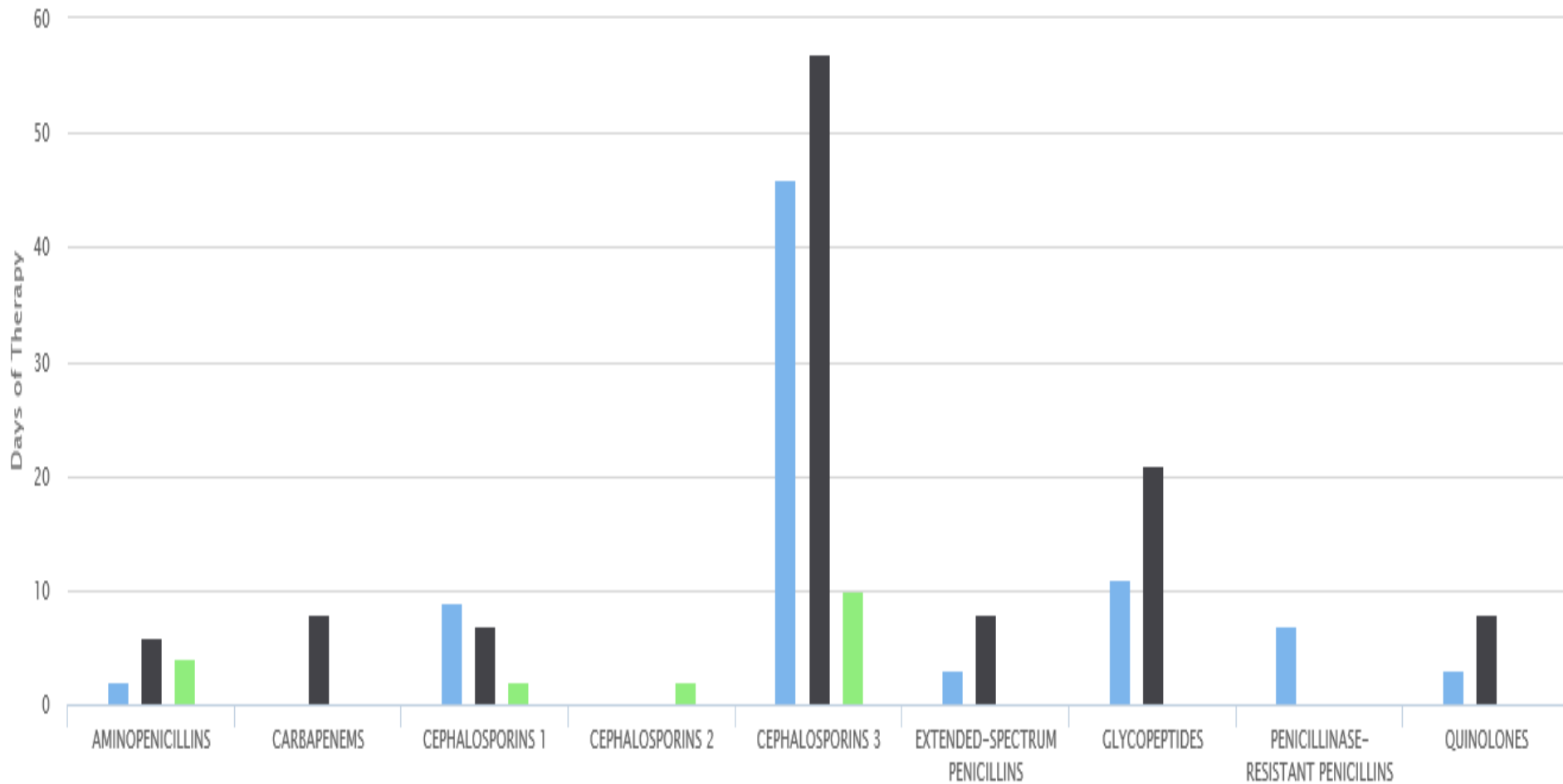
Asolva ED Usage



Asolva Hospitalist Usage



Asolva Peds Usage



Conclusion

- NSHN AU and Asolva are great resources for our CAH stewardship team
- AU shows us areas for potential improvement inside the hospital by department
- Asolva helps us to drive provider-level improvement in each department

Thanks

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