# ID Connect Overview for Nebraska DHHS

9/11/2023



#### Meet the ID Connect Team!



Caley Yakemowicz

Director of Customer Experience



Matt Davis

Director of Infectious Diseases
Pharmacy Services



Mike Rinaldi
VP of Clinical Solutions



# Getting Started with NHSN Reporting



#### **ID Connect Services and Support**



Tele-Infectious Diseases Consult
Tele-Infection Prevention





**Compliance Support** 

**NHSN AUR Implementation** 





**Technological Solutions** 



**NHSN AUR Reporting** 

Can provide implementation support, ILÚM Insight AUR reporting, or both depending on facility need



#### **Reporting Process**





#### **ID Connect Clinical and Technical Support**



Build the Team/ Seek Expertise



Identify Vendor/ Reporting Software







Mapping/ Validation



Testing/ Reporting

Each step takes weeks to months Proactive approach recommended!



#### **Implementation Process Map**

## We are here to help facilities through the implementation process!

- Getting started
- Location mapping
- Registering intent
- OID request
- Establish user roles/access
- Data mapping/navigating IDM for vendors
- Data validation
- Data quality checks
- Reporting plans/data sets
- Upload/download
- Initial data analysis/interpretation
- Vendor communication

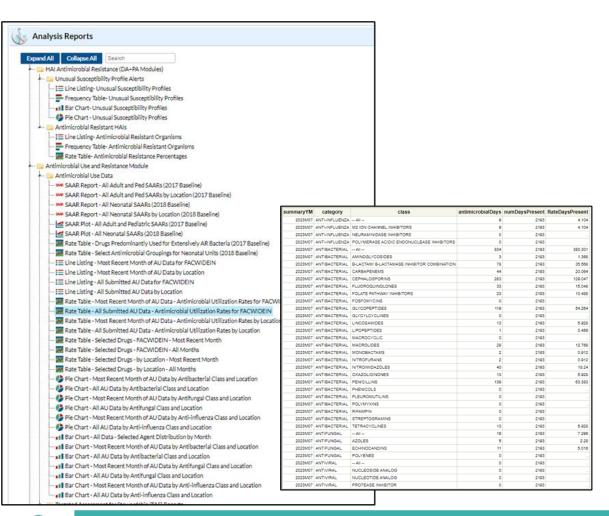
Work with Ilum Insight or external vendors



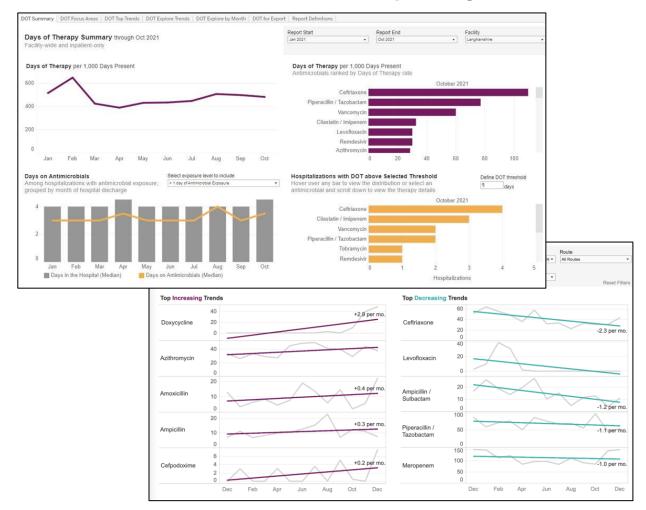


## ILÚM Simplifies NHSN Reports for Users

#### **NHSN Native Reporting**



#### **ILÚM NHSN Reporting**





## ILÚM Insight Overview

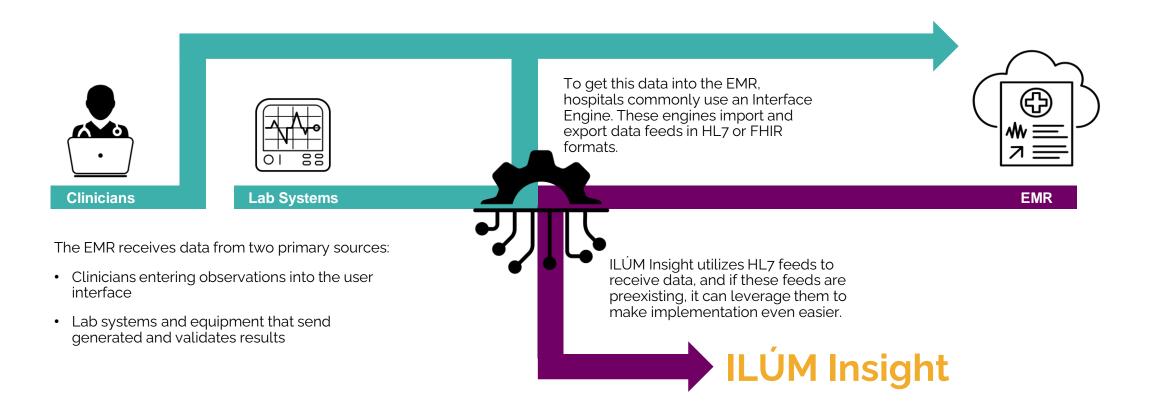
A dynamic clinical decision support tool for management of daily Antimicrobial Stewardship actions:

- Easily customizable for institution- and user specific needs
- Improve efficiency with real-time actionable alerts
- Increase targeted intervention opportunities with bug-drug mismatch, IV to PO conversions, etc.
- Faster achievement of time-to-optimal antibiotic therapy
- Improved clinical communications
- Generates facility specific antibiogram(s)
- Approved NHSN CDA vendor
- TJC and CMS compliance
- Available as a web-based and smart-phone application
- HITRUST certified





#### NHSN - Getting Data From the EMR to ILÚM Insight



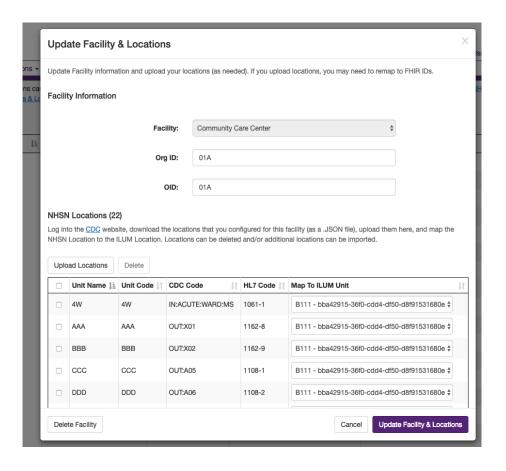


# Running & Downloading AUR Reports in ILÚM Insight



#### Facility Setup in ILÚM Insight

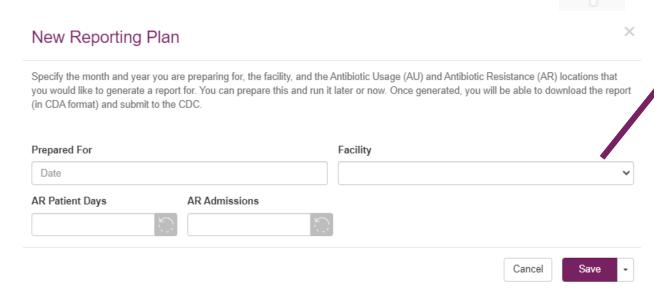
- Provide your facility's Org ID and OID after facility setup is completed with CDC
- Unit names and codes will populate atomically in Insight
  - JSON file will be provided to ID Connect from the CDC website (Pharmacy or technical resource will pull)

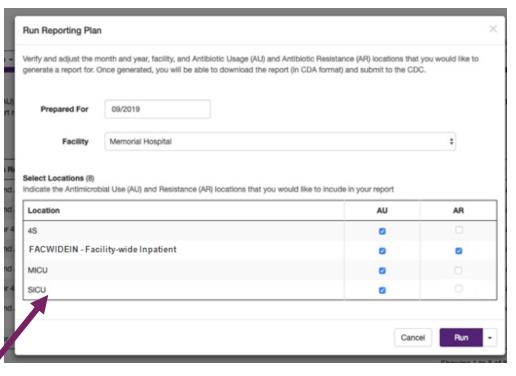




#### Running Reports in ILÚM Insight

- Define your NHSN reporting plan by selecting the Antibiotic Usage (AU) and/or Antibiotic Resistance (AR) units that you would like to report on and then run your reports
- Reporting plans are saved and can be edited month to month

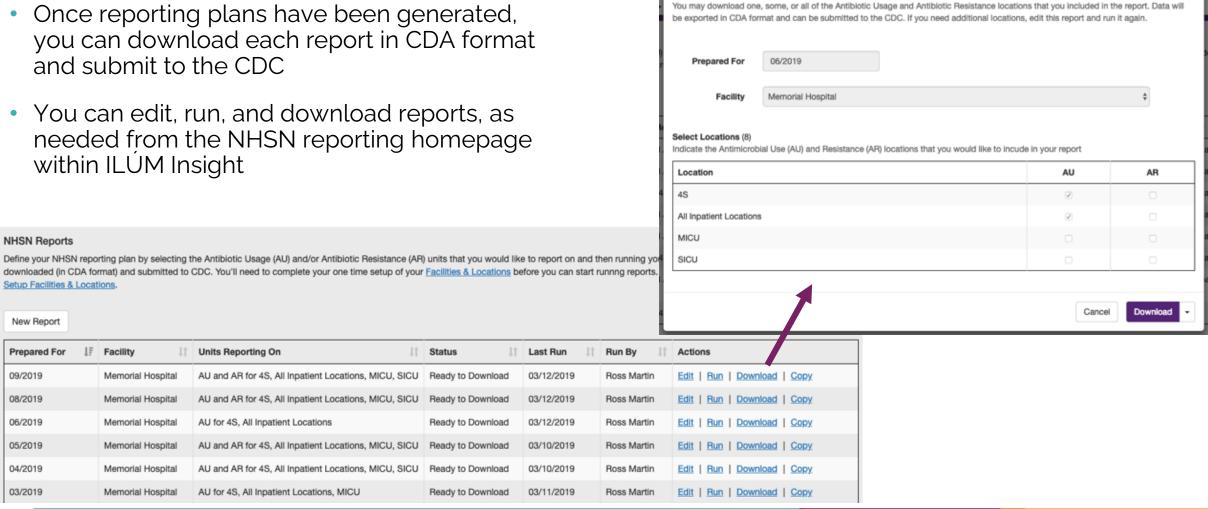






#### Downloading Reports in ILÚM Insight

Once reporting plans have been generated, and submit to the CDC.



Download Reporting Plan



#### **Next Steps**

- Contact Mike Rinaldi at ID Connect to learn more about ILÚM Insight and to receive a more in-depth demonstration, including services around NHSN
  - Mike Rinaldi mrinaldi@idctelemed.com

View ID Connect webinars and publications <u>here</u>



# Appendix



## ILÚM Insight Delivers Exceptional Results

Overall decrease in antibiotic use	11% decline vs. preceding 6 months
	20% decline vs. same time period in 2019
Improvement in durations of antibiotics	0.88 fewer antibiotic days per admission
	48% of patients were on antibiotics for 56% of their hospital stay vs.
	61% of patients for 68% of the hospital stay during same time period in 2019
Increased IV to PO conversion rates	37% converted to PO in 2019 vs. 54% converted to PO with ILÚM Insight (+17%)
More patients received optimal therapy, and faster	84% of antibiotic orders were optimized with ILÚM Insight vs. 56% pre-ILÚM Insight.
	Time to optimal therapy was improved by 1 full day on average
Improved pharmacist efficiency	278% increase in the number of interventions using the same staff
	As one pharmacist stated "prior to ILÚM Insight we needed to find the interventions, with ILÚM Insight the intervention opportunities are presented to us"

This community hospital was doing a good job of antimicrobial stewardship prior to implementation of ILÚM



#### What differentiates ILÚM Insight?

- White glove service throughout the life of the contract with oversight from ID/ASP experts
- Pre-configured for specific events based on hospitals guidelines (works "out-of-the-box")
- Rule engine (expert system)
  - Subscriptions configurable by user for easy adding/removing/filtering of alerts
  - Real-time location based down to the unit
  - Delay rules and retraction rules reduces noise and ensure opportunity is still valid
- Mobile app with push notification
- Individual and teams-based workflow supported
- Robust reporting on process and clinical outcomes with one click drill down
- Continuous enhancements like patient care lists, resistance risk factor display and machine learning



## ILÚM Insight Features

**ILÚM Insight** delivers real stewardship excellence. From on-demand alerting to detailed reports and dosing management, **ILÚM Insight** provides features and tools to solve your Antimicrobial Stewardship needs

Product Feature	ILÚM Insight	
Accessibility		
Web-based platform accessible from any system		
Full mobile support including on-demand push-notification alerting		
Unit- and teams-based clinical workflow management allowing alerts and notifications to be shared between stewardship personnel		
Secure individual- and team-based communication protocols that facilitate patient hand-offs		
Alert and Notification Management		
Customized notification editor optimized to have the greatest impact with the least amount of effort from stewardship pharmacists	✓	
Notification templates allow for customization of drugs, organisms, and micro results for each rule		
Rule enhancement options that include delay and retraction elements to eliminate alert fatigue		
Improved category management organization options that drive accurate patient prioritization		
Ability to alert on bug-drug mismatches, antimicrobial timeouts, restricted drug lists, IV to PO opportunities, changes in serum creatinine, deescalation, and more		
Patient Centric Management Tools		
Auto-add, real-time, and duplicate-free patient care lists that prevent the use of static lists that are quickly outdated	✓	
Patient-snapshot views include a Resistance Risk Factor Display that highlights noteworthy organisms and results		
Easy-to-use intervention and activity tracking to follow all patient notification interactions		
Precision dosing with predictive clinical decision making via DoseMeRx		



## ILÚM Insight Features (Continued)

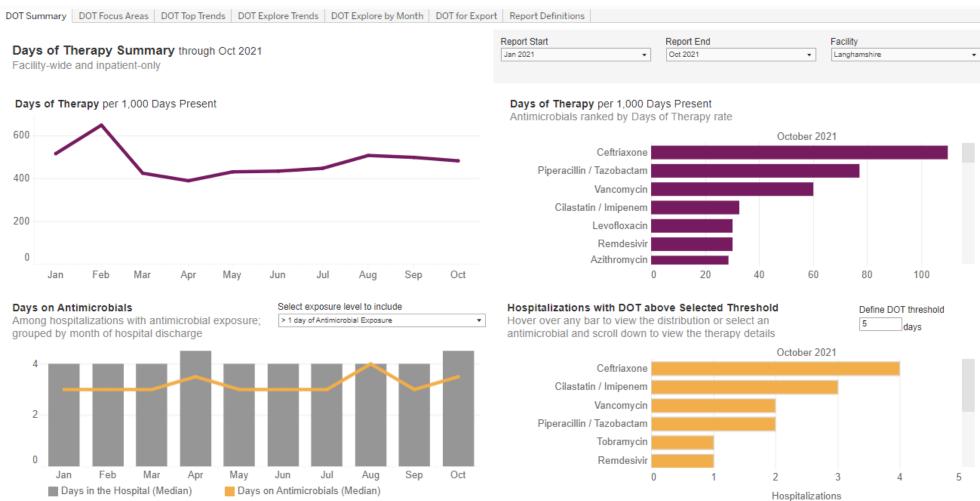
Product Feature	ILÚM Insight
Clinical Customization and Process	
Antibiogram generator based on your own facility- or system-level data	
Built-in ability to process antimicrobial related information such as allergy data	
ID approval tool and workflow for better management of medication use and costs	
Proprietary data mapping system that handles standardization of all medications, orders, and results, so pharmacists don't have to	
Reporting and Metrics	
Complete tracking of performance analytics, such as time to rule review and percent acceptance	✓
Built-in trending details on event categories and statuses to optimize stewardship programs	
Tracking of balancing measures such as readmission, C. Diff counts, in-hospital mortality, and antimicrobial restarts	
Antimicrobial order and order duration reporting	
Meaningful outcome measures including days of therapy, in the hospital, and on antimicrobials with IV to oral comparisons	✓
Calculated visual-deep dives into days of therapy (DOT) including trending, comparisons, and DOT rational	
Support and Customer Service	
Industry leading on-boarding, including full setup and ID Connect led data integration	<b>√</b>
Ongoing customer success and support meetings beyond just technical integration	
In-app support and training for customers	



# ILÚM Insight Reporting Capabilities

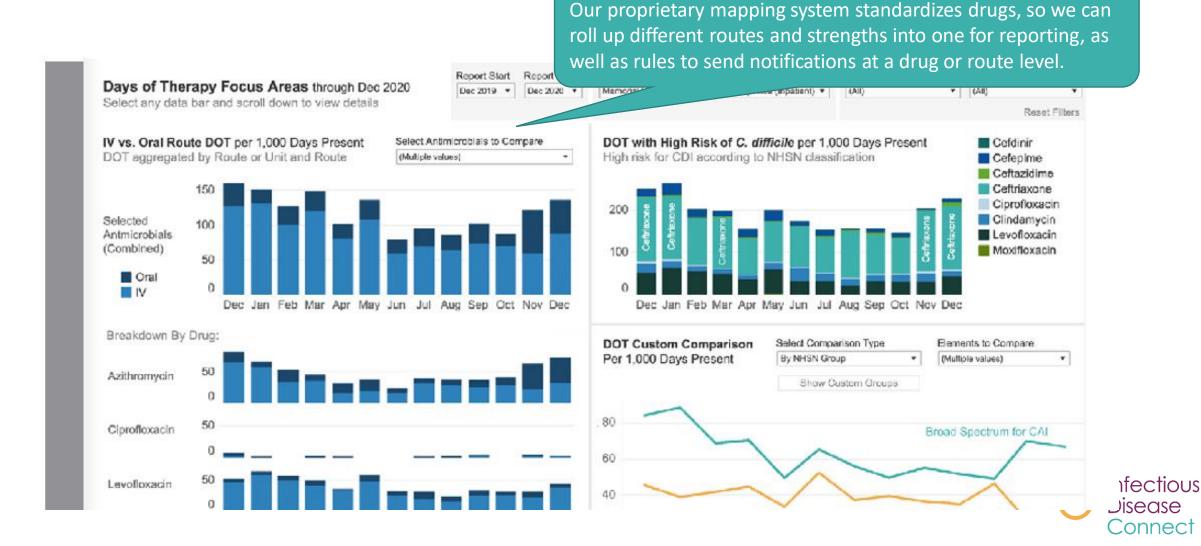


#### **DOT Summaries**

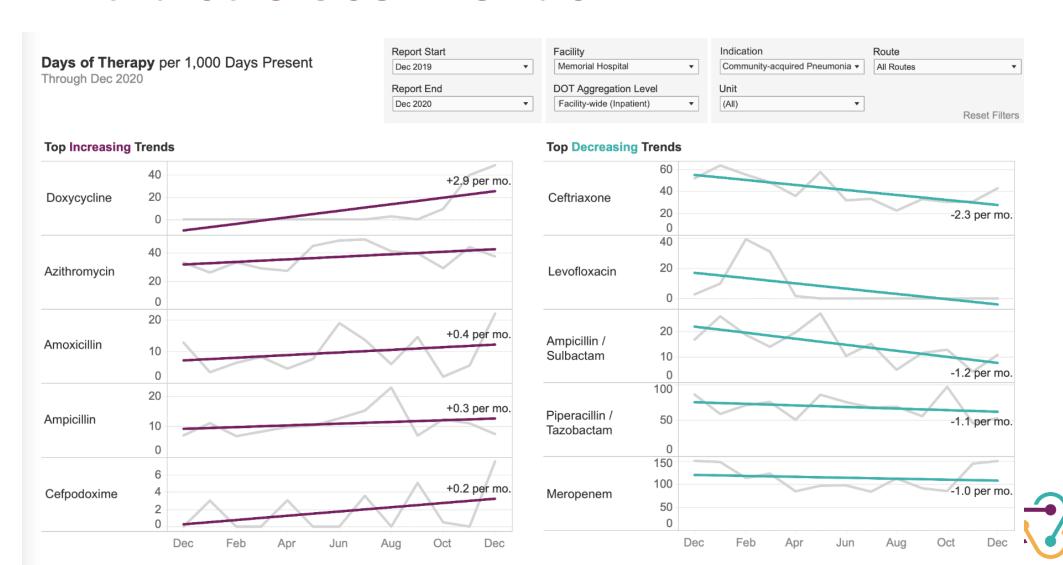




#### **DOT Drill Downs**



#### **Antibiotic Use Trends**



Infectious

Disease

Connect

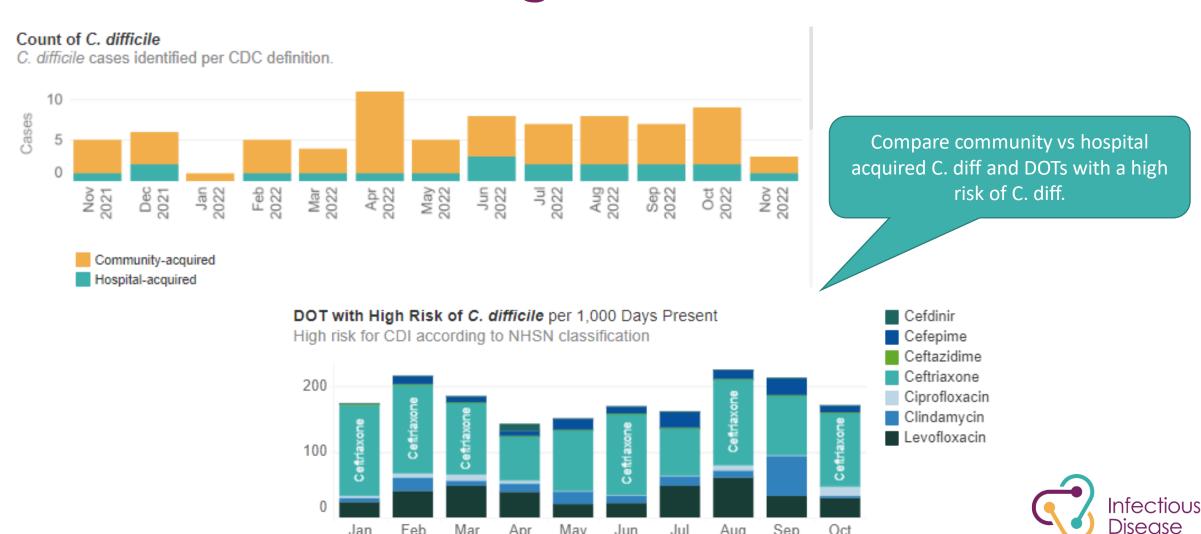
### C. Difficile Tracking

Jan

Feb

Mar

Apr



May

Jun

Jul

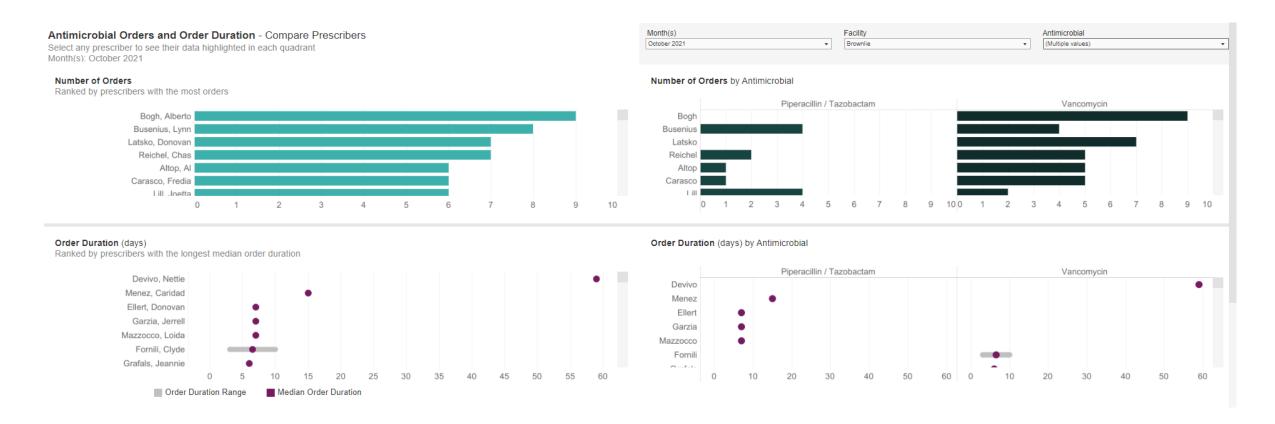
Aug

Sep

Oct

Connect

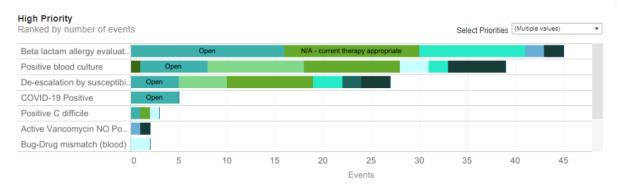
## Orders and Durations by Prescriber

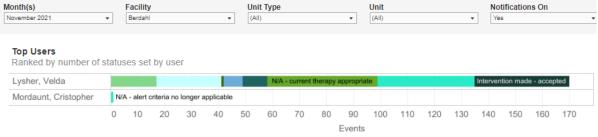




### **Intervention Reports**

Event Status Highlights (Nov 2021)





#### Potential Missed Opportunities (% with Open Status)

Events with at least 10 occurrences, ranked by % open status

