

Using the SBAR to Ask for More



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Disclosures

• Pfizer – research support

Fred Hutchinson Cancer Center

- ~ 20-bed inpatient hospital + ~ 120
 inpatient oncology beds based at UW
- Large ambulatory cancer center
 - New clinic building opened March 2023 as extension of South Lake Union clinic
 - 5 additional outpatient clinic locations (King & Kitsap counties)

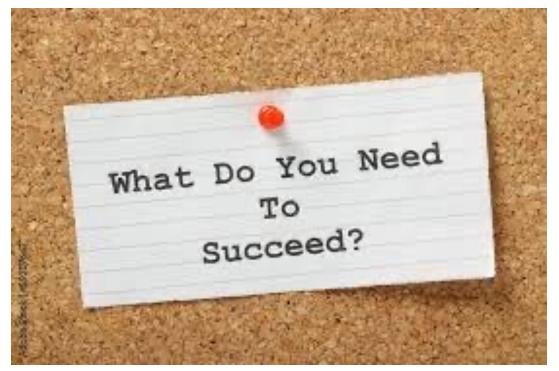




FHCC Antimicrobial Stewardship Program



What Do You Need?



- Personnel (PharmD, MD FTE)
- Data analytics support
- Project management
- Space computer workstations
- Materials pocket cards, posters
- Inpatient/ outpatient/ infusion center support

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Pitching Antimicrobial Stewardship to the C-Suite



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- Regulatory requirements
- Quality improvement goals
- Sentinel events/ patient safety
- Peer comparisons
- Regional/ national reputation

Using the SBAR to Request PharmD Support

SBAR

- A communication tool that helps provide essential, concise information, usually during crucial situations
- Situation: Concise statement of problem, e.g. existing support insufficient
- **Background:** Essential information related to the situation, supporting evidence that justifies request
- Assessment: Analysis and consideration of risks, benefits
- Recommendation: Action requested/ recommended, e.g. request increase from 0.5 → 1.0 FTE PharmD

<u>Situation</u>: Pharmacist Resources Needed for Inpatient ASP Activities</u>

- Existing 0.5 FTE PharmD support primarily focused on OPAT and <u>outpatient</u> activities
- Additional PharmD support requested for <u>inpatient</u> efforts and growth opportunities:
 - Prospective audit and feedback
 - \circ Microbiology review
 - Guideline development
 - Sepsis improvement efforts
 - Inpatient rounds
 - Coordinate roll-out of new EMR (Epic)

• **<u>Recommendation</u>**: Request additional 1.0 FTE PharmD

<u>Background</u>: Align Request with Institutional Quality Improvement Goals</u>

- Sepsis
 - Optimize antimicrobial dosing/ administration
 - Timely antibiotic initiation/ deescalation
 - Case review of sepsis-related deaths
- HAI Metrics & Diagnostic Stewardship
 - HO-C. difficile infection
 - CAUTI
 - CLABSI



SHEA Position Paper

Diagnostic stewardship to improve patient outcomes and healthcare-associated infection (HAI) metrics

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"Diagnostic stewardship seeks to improve ordering, collection, performance, and reporting of tests...inclusion of HAIs in public reporting and pay for performance programs has highlighted **the value of diagnostic stewardship as part of infection prevention initiatives**."

CAUTI	 Ordering Require guideline-supported indications for urine cultures. Educate on prevalence of asymptomatic bacteriuria in catheterized patients. Collection Advise replacing catheter prior to culture if in place >7 days. Do not collect urine sample from urine collection bag. Reduce delays in transport, refrigerate if >1 hour delay, use collection. device that contains a preservative (eg, boric acid). Performance Reduce colonization detection by performing reflex testing (eg, culture only if pyuria present). Reporting Include nudges advising against treatment of asymptomatic bacteriuria.
HO-CDI	Ordering Limit testing of patients receiving laxatives. Limit repeat tests within given period. Do not test patients without symptoms of CDI. Collection • Reduce collections received >24 hours after initial orders. Performance • Do not test formed stool (Bristol stools<5, or negative stick test). ^{50,51} • Use algorithm that includes both NAAT and toxin EIA if NAAT+. Reporting • Include nudge that a positive NAAT test could represent colonization in the absence of clinical disease and detection of colonization is indication for treatment. Consider Infectious disease consultation if uncertain.
CLABSI	Ordering • Avoid blood cultures in patients with low probability for bacteremia with the use of CDS and education. • Eliminate surveillance blood cultures. • Develop guidance to standardize indications for blood cultures. Collection • Optimize technique (skin prep, volume, and number of cultures). • Avoid drawing blood cultures through central lines. Performance • Implement rapid diagnostics. Reporting • Include nudge about common commensals/likely contaminants.

Examples of Diagnostic Stawardship Strategies for NUSN Departable UA



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Background: The Power of Peer Comparison



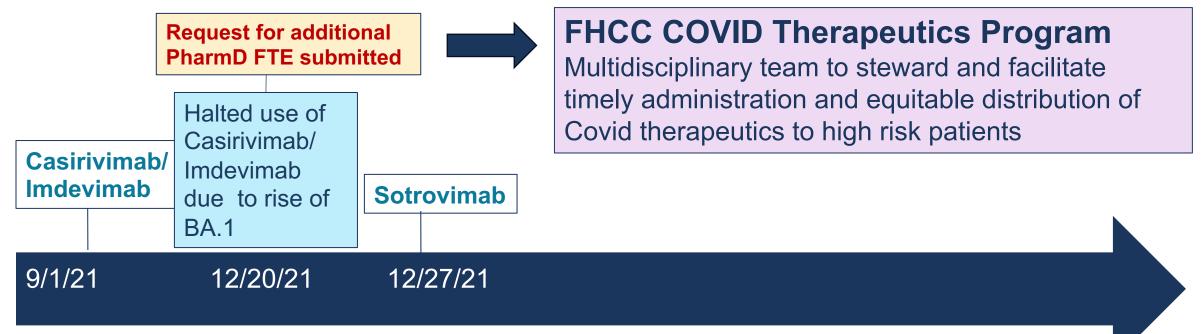
Hospital	# ID-trained pharmacists	Approximate # beds	Ratio of ID-trained pharmacist to beds		
UW/ FHCC	1	570	1:570		
Hospital A	3	725	1:242		
Hospital B	3	1134	1:378		
Hospital C	3	473	1:158		
Hospital D	5	1400	1:280		
Hospital E	4	1177	1:294		
Hospital F	3	550	1:183		
Hospital G	4	795	1:199		
Hospital H	3	894	1:298		
Average (excluding UW/ FHCC) 1:254					
PharmD ETE allocation for ASP at EHCC/IIW below other comparable institutions					

PharmD FTE allocation for ASP at FHCC/ UW below other comparable institutions

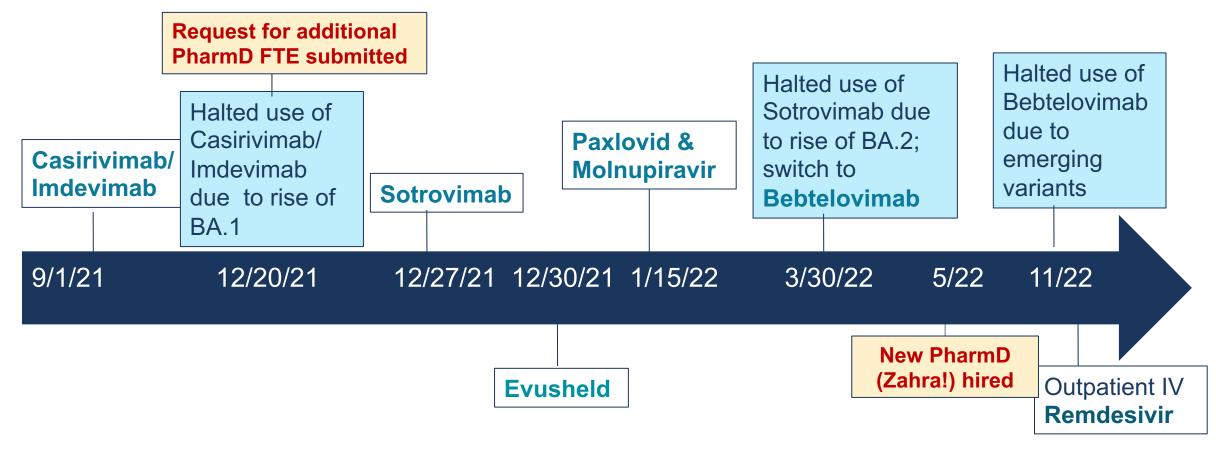
Situation: Additional PharmD FTE Needed to Support COVID-19 Therapeutics Program & Outpatient ASP Growth

- Existing 0.5 FTE outpatient PharmD position insufficient to meet current demands amidst COVID-19 pandemic and other anticipated growth areas:
 - New COVID-19 therapeutics + complex logistics/ implementation
 - Planned outpatient clinic expansion
 - Outpatient ASP support beyond BMT/ CAR T to other groups including solid tumors, community site clinics
 - \odot Future infectious disease threats
- <u>Recommendation</u>: Request increase of existing 0.5 FTE → 1.0 FTE outpatient ID/ ASP PharmD

Background: Emphasize Urgency of Request

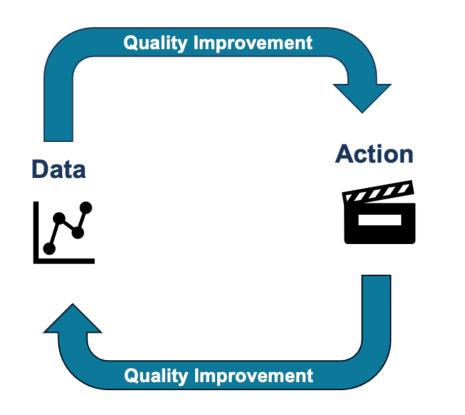


Background: Emphasize Urgency of Request



Using the SBAR to Request Data Analytics Support

Data Analytics Essential to Drive Continuous Process Improvement



- Data needed to identify improvement opportunities
- Timely analytics critical to QI initiatives and make progress toward target metrics and goals
- Offload PharmD and MD to enable focus on other priorities

<u>Situation</u>: Data Analytics Needed to Support Growth of QI Efforts and Meet Regulatory Reporting Requirements</u>

Background:





2023 Updated TJC Antimicrobial Stewardship Standard

- Allocates financial resources for staffing and IT
- Monitor/ report antibiotic use data to NHSN AUR module
- **Evaluates adherence** to evidence-based guidelines
- Collects, analyzes, reports data to hospital leadership and prescribers
- Takes action on improvement opportunities identified

Background: Showcase Your Value While Highlighting Needs

Problem: Delayed management of positive outpatient blood culture results

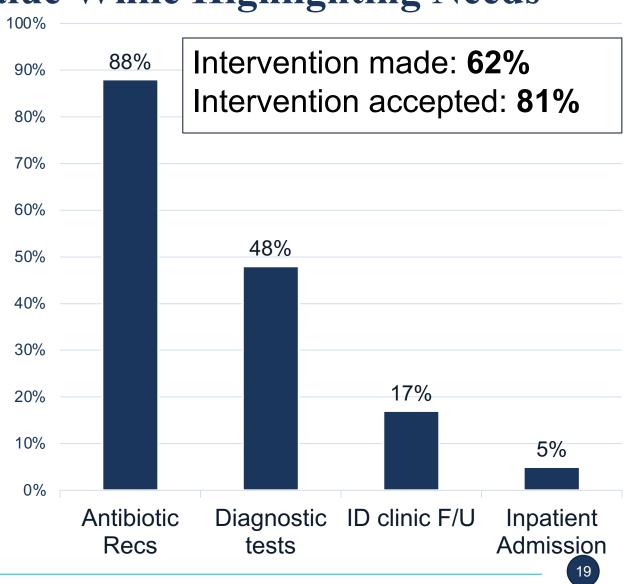
<u>Goal</u>: Ensure timely and optimal antimicrobial management of positive outpatient blood culture results

Intervention:

- Reviewed positive outpt blood cx and provide recs to primary team
- *Manual data* collection for 6 mths (N=68 cases)

Outcomes:

 Of abx recs, 67% involved antibiotic initiation or changes, 19% stopped abx



Assessment: Analysis of Considerations and Risks/ Benefits

- Describe risks without additional data analytics resources:
 - Manual data review time-consuming, undermining existing and new improvement efforts
 - \circ Failure to identify safety events
 - Inability to meet regulatory reporting requirements
- Consider "packaging" your proposal: Joint request by IP/ ASP for data analytics and biostatistician to support quality and process improvement activities

Summary

- Carefully consider your resource needs and be specific with your request
- Demonstrate alignment with institutional priorities and quality goals
- Showcase your value while highlighting potential risks without additional resources (e.g. patient safety/ quality, regulatory, reputation)

Thank you!

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