



CENTER FOR
STEWARDSHIP
IN MEDICINE

October 5, 2023

IQIC 101 Session 2

Agenda:

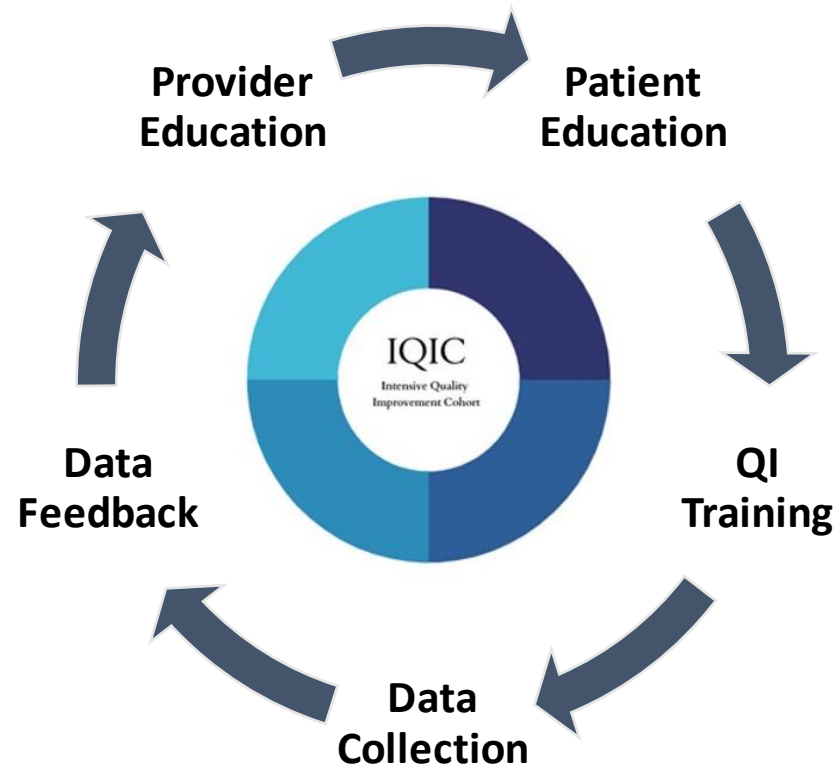
- Behavior Change – John Lynch, MD
- Introduction to the data collection survey
- Wrap-up

Open House Recap & Intro to the Data Collection Tool



Open House Re-Cap

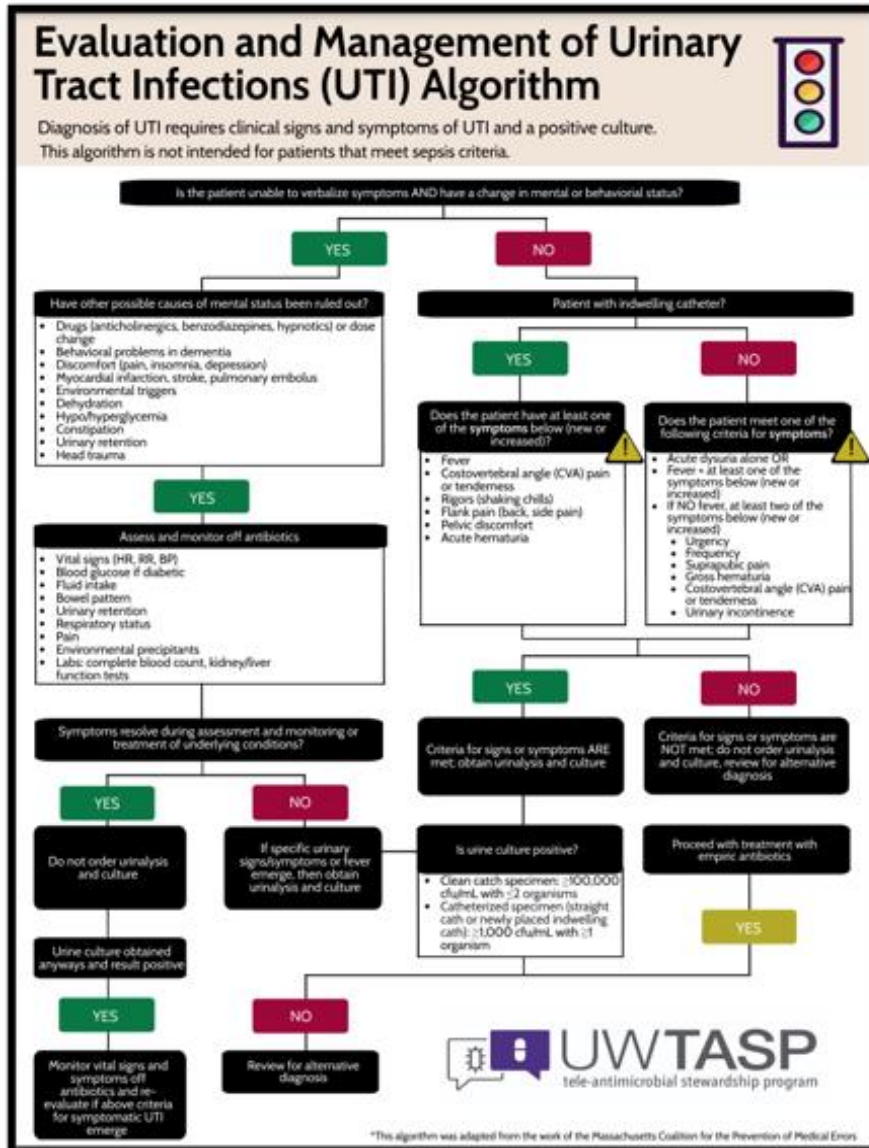
Goal of cohort: To locally adapt antimicrobial stewardship strategies and optimize patient care



Utilizing a Multimodal Antimicrobial Stewardship Strategy



Provider and Patient Education Tools on Website




CSiM website → Resources → Documents and Links → Category ASB 101



Provider and Patient Education Tools on Website




Did You Know That...

Bacteria in the urine is common! As many as 15% of people aged 65-80 and 50% of people older than 80 years have bacteria in their urine, **without actually have a UTI.**



How is a urinary tract infection diagnosed?

Requires **both** findings of bacteria in a urine test **and** the presence of specific symptoms.



Having both is important, because bacteria can and do live naturally in the bladder without causing any pain or symptoms. This is commonly referred to as **asymptomatic bacteriuria.**

If you or someone you know is concerned about a UTI, see if any specific symptoms are present:

-  A burning feeling, discomfort or pain with urination
-  Pain the the lower abdomen or back
-  Increase in frequency (needing to urinate more often than usual).
-  Repeated strong urges to urinate
-  Blood in the urine

These symptoms may or may not be accompanied by fever.

What about other symptoms, such as confusion or sudden change in behavior?

UTI is less likely without the specific symptoms previously listed.

Non-specific symptoms such as confusion, a sudden change in behavior, fatigue, or a fall may be caused by other factors, including:

- Dehydration
- Depression
- Inadequate nutrition
- Medication side effects
- Poor sleep
- Constipation



2. Antibiotic Resistance

- The overuse of antibiotics has contributed to an **increase in the ability of the bacteria to resist** the effect of antibiotics
- When resistance occurs, there may be fewer good antibiotic options to **treat future infections**

Understanding the risks of using antibiotics when not needed leads to good, safe care.

What You Can Do to Help

Whenever you are prescribed antibiotics, make sure you understand why you need them.

Here are some questions for you or your loved one to ask your doctor:

- Why do I need antibiotics?
- What are common side effects?
- When should I stop the medication?
- What I do if I do not feel better in a few days?

Other Resources For You:
<https://www.cdc.gov/antibiotic-use/uti.html>

*This brochure was adapted from the work of the Massachusetts Coalition for the Prevention of Medical Errors

Worried About a Urinary Tract Infection?



Learn about when an antibiotic is and is not needed.



Show me the data!

Data Collection Results Will Help Identify Opportunities for Future Stewardship Interventions

Data Phase	Case Goal	Progress Goal	Start Date	Last Submission Date
Baseline	≥30 cases	1-2 cases/week <u>or</u> 5 cases/month	10/5/2023	3/31/20234
Intervention	>50 cases	1-2 cases/week <u>or</u> 5 cases/month	8/1/2024	3/31/2025



What data do I collect?

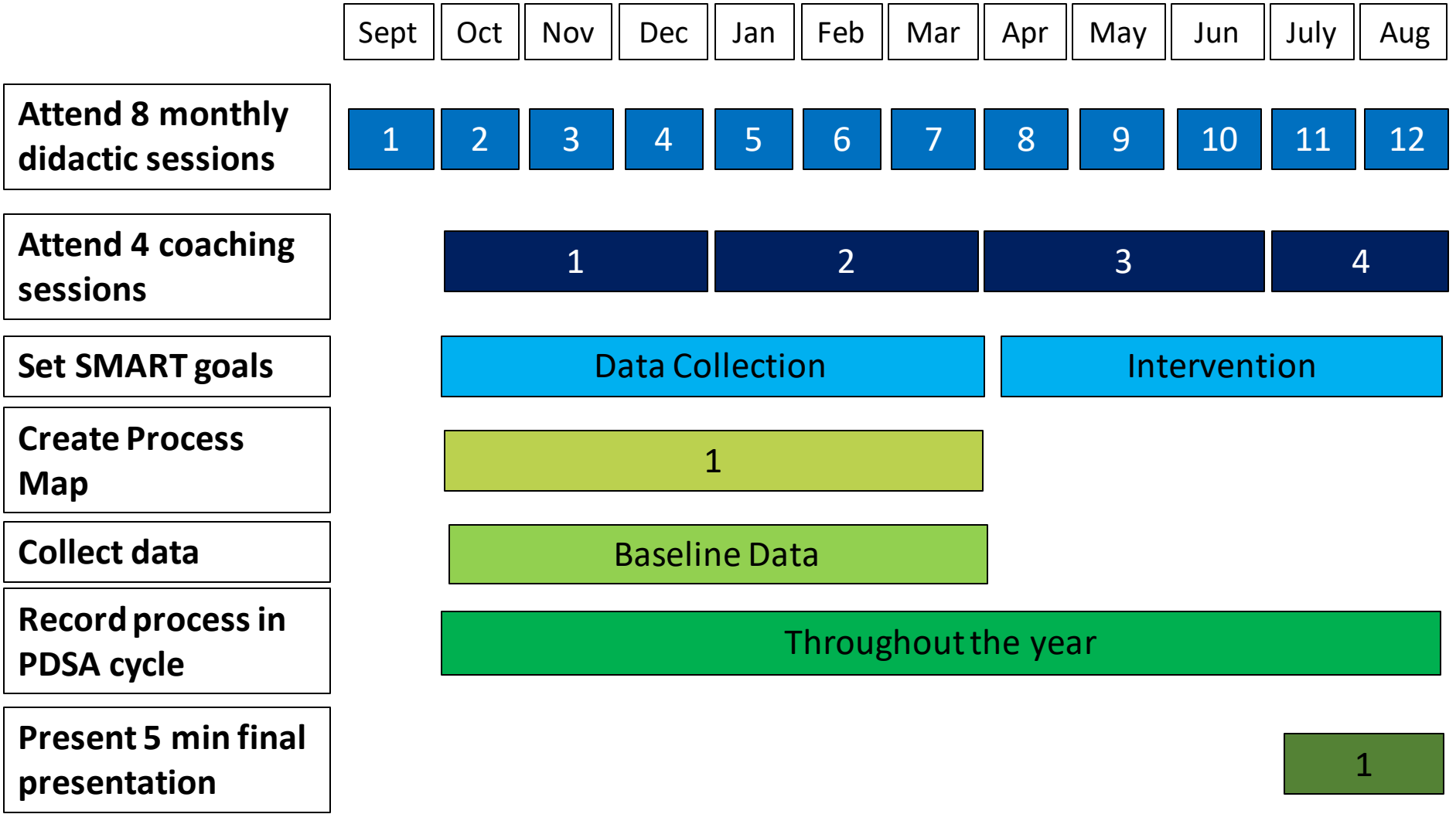
- Urine culture data to identify patient cases
- Submit cases into data collection survey
 - Hospitalization information
 - Demographics
 - Signs and Symptoms of UTI
 - Urine culture data
 - SIRS criteria and/or organ dysfunction
 - Antibiotic selection and duration

REDCap link: redcap.iths.org/surveys/?s=9MNEE8F444EMCD3K

OR

Link from the website

Summarized Expectations & Deliverables



Asymptomatic Bacteriuria Intensive Quality Improvement Cohort (ASB IQIC) Syllabus 2023-2024

Track your progress!

Deliverable					Progress (✓ or ✗)
Session	Date	Topic(s)			
1	9/21	<ul style="list-style-type: none">• Introduction to IQIC 101• Stewarding ASB• Panel Discussion with Former IQIC 101 Sites			
2	10/5	<ul style="list-style-type: none">• Intro to data collection tool• Behavior Change			
3	11/16	<ul style="list-style-type: none">• Trouble-shooting the data• SMART Goals			
4	12/14	<ul style="list-style-type: none">• Process Mapping• Deeper dive into ASB cases			
5	1/11	<ul style="list-style-type: none">• Antibiotic Harms• Initiating Productive Conversations			
6	2/15	<ul style="list-style-type: none">• Reflexing UAs to Urine Cultures: A Pro-Con debate			
7	3/21	<ul style="list-style-type: none">• Baseline data presentation• Project management fundamentals and tools for success			
8	4/18	<ul style="list-style-type: none">• PDSA Cycles – the why?• Reframing Failure			
9	5/16	<ul style="list-style-type: none">• Framing the narrative: telling the story of the data			
10	6/20	<ul style="list-style-type: none">• Review Collective IQIC 101 Prevalence and Treatment of ASB Results			
11	7/18	<ul style="list-style-type: none">• Final Presentations			
12	8/15	<ul style="list-style-type: none">• Final Presentations			
1) Attend 4 One-on-one Coaching Sessions					
Meeting 1	October – December 2023				
Meeting 2	January – March 2024				
Meeting 3	April – June 2024				
Meeting 4	July – August 2024				
2) Set 2 Specific, Measurable, and Achievable Goals					
March 1, 2024	SMART Goal #1: focused on data collection or process mapping				
August 1, 2024	SMART Goal #2: focused on future intervention				
3) Develop Process Map – to illustrate how urine studies are ordered, collected, and processed by lab					
4) Collect Data to Identify Rate of ASB and the Rate of Inappropriately Treating ASB with Antibiotics					
Data Phase	Case Goal	Progress Goal	Start Date	Last Submission Date	
Baseline	≥30 cases	1-2 cases/week or 5 cases/month	10/5/2023	3/1/2024	
5) Record Progress for SMART Goal #1 in PDSA Cycle					
6) Present Final Presentation (5 minutes)					

Wrap-up and Next Steps



Homework: Plan & Do

Data Phase	Case Goal	Progress Goal	Start Date	Last Submission Date
Baseline	≥30 cases	1-2 cases/week <u>or</u> 5 cases/month	10/5/2023	3/31/2023 ⁴

- ☐ **Start collecting and submitting data**
 - ☐ Email me with questions – we'll review at Nov session!
- ☐ **Brainstorm your first SMART goal**
 - ☐ We will discuss in detail and hone at Nov session!
- ☐ **Sign up for your first coaching session**
 - Email to follow from Maria with link



Updates from Maria

Resources for you:

- Calendly
- IQIC Dashboard



Scott's Thoughts



On participating in quality improvement initiatives:

"You miss 100% of the shots you don't take." - Michael Scott

Next Session: November 16, 2023

Trouble-shooting the Data (send us questions!)

SMART Goals - with John Lynch, MD MPH



Please complete this quick baseline survey before you go!

<https://redcap.link/rw4f0bcd>

Questions?

Alyssa Castillo, MD
alyssa.castillo@ucdenver.edu

