

The Urinary Tract Infection (UTI) Program for Long-Term Care

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October 3, 2017

IPAC GTA Education Day 2017

What is the UTI Program?

Reduce the use of antibiotics for presumed UTIs to protect residents from antibiotic-related harms



Why target UTIs ?

- UTI is the most commonly reported infection in long-term care residents
- One third of prescriptions are given for asymptomatic bacteriuria (ASB)

Asymptomatic bacteriuria (ASB) is the presence of bacteria in the urine in the absence of urinary symptoms and does not require treatment

- Treating ASB is not recommended

Antibiotics are not harmless...

Overuse of antibiotics can contribute to:

- *Clostridium difficile* outbreaks
- Antibiotic- resistant organisms and the decreasing effectiveness of important treatment options

What type of organization do you work at?

Long-term Care
or Retirement
Home

Acute Care

Community Care

Local Public
Health Unit

Other

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Is the inappropriate use of antibiotics, or concern
regarding the identification of asymptomatic bacteriuria, been identified as
an issue in your organization?

Yes

No

Not
sure

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Designing the UTI Program






- PHO survey in 2013:
 - 80% of respondents indicated that they would send a urine culture for non-urinary infection reasons
 - 50% of prescribers would treat a resident with asymptomatic bacteriuria

Designing the UTI Program

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1. Synthesized evidence on best practices
 2. Assessed common barriers and facilitators to changing practice in LTCHs
 3. Selected strategies and designed tools and resources

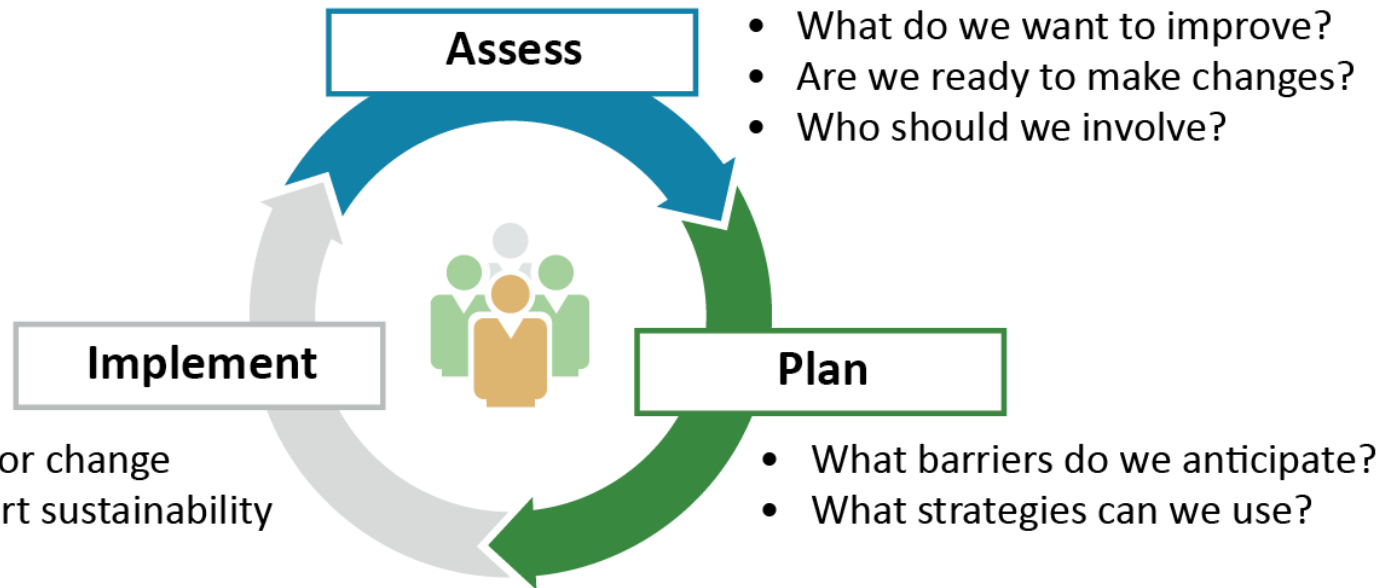
What is the UTI Program?

- Focuses on five key practice changes:

 <p>Obtain urine cultures only when residents have indicated clinical signs and symptoms of a UTI.</p>	 <p>Obtain and store urine cultures properly.</p>	 <p>Prescribe antibiotics only when specified criteria have been met, and reassess once urine culture and susceptibility results have been received.</p>	 <p>Do not use dipsticks to diagnose a UTI.</p>	 <p>Discontinue routine annual/admission screening if residents do not have indicated clinical signs and symptoms of a UTI.</p>
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What is the UTI Program?

- Recommends using an implementation planning process:



UTI Program Strategies

- Organizational policies and procedures
- Champions
- Local opinion leaders
- Local consensus processes
- Classroom education
- Provide information and education to residents/families
- Coaches
- Process surveillance and feedback
- Distribution of educational materials

You or someone in your home have access to the
of antibiotics prescribed every month?

Yes

No

Not
sure

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You or someone in your home have access to the
urine specimens sent to the lab every month.


Yes

No


Not
sure

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What are some places you currently look to for data
monitoring practices?



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But...does it work?

Evaluating the UTI Program



Objective

To evaluate the implementation and impact of the UTI Program in 12 LTCHs across the province.

Evaluating the UTI Program



Evaluation Questions

- How do LTCHs implement the UTI Program?
- What supports to LTCHs require to support implementation?
- Is there an opportunity to improve program resources?
- Does the program result in a reduction in urine culturing and antibiotic prescriptions?

Evaluating the UTI Program



Methods

- 12 LTCHs recruited to participate
- 18 months of lab and pharmacy data to examine trends before and after program implementation
- Field notes
- Interviews with PHO staff and LTCH staff

Evaluating the UTI Program



Preliminary Results

- 29% ↓ in rates of urine culturing
- 38% ↓ in rates of urinary antibiotic use

- Variety of strategies done by homes
 - No “magic bullet”
- Still opportunities to continue to improve practice
 - Surveillance and feedback on changes

Evaluating the UTI Program



Preliminary Results

- What influenced implementation of the program?
- Takeaways:
 - Importance of understanding need and fit
 - Implementation teams and staff involvement
 - Planning for program execution and dedicating resources
 - Planning for sustainability

What next ?

- Evaluation of pilot sites complete
- In the process of designing next steps
- “Scale Up”
- What role will PHO play?
- Understanding supports



We need your input!

- Show of hands
- Paper surveys on table
 - Reaction to program
 - Needs for support
 - Program need



Questions ?

For More Information About This Presentation, Contact:

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