HRET HIIN
CDI SPRINT INTRODUCTION
WEBINAR

May 22, 2018
11:00 a.m. – 12:00 p.m. CT
WELCOME AND INTRODUCTIONS

Lydie Marc, MPH, CHES
Program Manager, HRET
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00-11:05 a.m.</td>
<td>Welcome and Introductions</td>
<td>Lydie Marc, MPH, CHES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Program Manager, HRET</td>
</tr>
<tr>
<td>11:05-11:15 a.m.</td>
<td>HRET HIIN CDI Education Strategy</td>
<td>Barb DeBaun, RN, MSN, CIC</td>
</tr>
<tr>
<td></td>
<td>Provide an overview of the HRET HIIN CDI education strategy.</td>
<td>Steve Tremain, MD, FACPE</td>
</tr>
<tr>
<td></td>
<td>• Diagnostic and Laboratory Stewardship</td>
<td>Improvement Advisors, Cynosure Health</td>
</tr>
<tr>
<td>11:15-11:30 a.m.</td>
<td>HRET HIIN CDI Sprint</td>
<td>Barb DeBaun, RN, MSN, CIC</td>
</tr>
<tr>
<td></td>
<td>• Purpose</td>
<td>Steve Tremain, MD, FACPE</td>
</tr>
<tr>
<td></td>
<td>• Roles and Responsibilities</td>
<td>Improvement Advisors, Cynosure Health</td>
</tr>
<tr>
<td></td>
<td>• CDI Sprint Tools</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Submission deadline</td>
<td></td>
</tr>
<tr>
<td>11:30-11:40 a.m.</td>
<td>What You Told Us</td>
<td>Barb DeBaun, RN, MSN, CIC</td>
</tr>
<tr>
<td></td>
<td>• Summary of Pre-Assessment Survey results</td>
<td>Steve Tremain, MD, FACPE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Improvement Advisors, Cynosure Health</td>
</tr>
<tr>
<td>11:40-11:55 a.m.</td>
<td>You have questions? We have answers!</td>
<td>Barb DeBaun, RN, MSN, CIC</td>
</tr>
<tr>
<td></td>
<td>Open Line Question and Answers</td>
<td>Steve Tremain, MD, FACPE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Improvement Advisors, Cynosure Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Participants and Facilitators</td>
</tr>
<tr>
<td>11:55-12:00 p.m.</td>
<td>Bring it Home</td>
<td>Lydie Marc, MPH, CHES</td>
</tr>
<tr>
<td></td>
<td>Close today’s event with key learnings, next steps, and HRET HIIN resources</td>
<td>Program Manager, HRET</td>
</tr>
</tbody>
</table>
Chat Box Introductions

• Name
• Hospital
• City, State
HRET HIIN CDI EDUCATION STRATEGY

Barb DeBaun, RN, MSN, CIC
Steve Tremain, M.D., FACPE
Improvement Advisors, Cynosure
HRET HIIN CDI Education Strategy

Diagnostic Stewardship

Lab Stewardship
What Is "Stewardship"?

1. the conducting, supervising, or managing of something; especially, the careful and responsible management of something entrusted to one's care

2. *stewardship* of resources

-Merriam-Webster
Diagnostic Stewardship

• Considering CDI only if it makes clinical sense
  – Abdominal pain
  – Infectious symptoms
  – Unexplained loose stools (3 in 24 hours)
• Only sending stools if
  – Unformed
  – No other explanation of loose stools
    • Laxatives, enemas, tube feeds
• Interpreting lab results, but not letting the lab make the diagnosis of CDI
  – Recognition that + Lab ID is for data collection and not for diagnosis!
Lab Stewardship

• Refusal to do *C. difficile* tests on formed stool
• Removing *C. diff* from GI stool panels
• Recognition that a + PCR only means that toxigenic *C. diff* is present, but that does not mean the patient has CDI
• Consideration for performing a confirmatory test for all + PCRs (*PCR sensitive, not specific*)
• Recognition that + Lab ID is for data collection and not for diagnosis!
HRET HIIN CDI SPRINT

Barb DeBaun, RN, MSN, CIC
Steve Tremain, M.D., FACPE
Improvement Advisors, Cynosure
PURPOSE: *Identify what’s missing...*

Assist hospitals in using quality improvement techniques to assess root causes of healthcare-onset *C. difficile* and the impact of culturing practices.

This includes access to:

- Seminar (Rural/CAH –or– Large Hospitals)
- Resource Tool(s)
- One-on-one coaching
**ROLES & RESPONSIBILITIES**

**STATE HOSPITAL ASSOCIATION (SHA)**

<table>
<thead>
<tr>
<th><strong>Review</strong></th>
<th>state CDI rates and identify hospital outliers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Confirm</strong></td>
<td>participation and complete SHA pre-assessment by Friday, April 27 (link <a href="#">here</a>)</td>
</tr>
<tr>
<td><strong>Select</strong></td>
<td>1-2 hospitals to participate in the CDI sprint and submit the hospital lead contact information to HRET HIIN</td>
</tr>
<tr>
<td><strong>Accept</strong></td>
<td>invitation and participate in the four (4) HRET HIIN CDI Sprint sessions (<em>May 22, June 18, June 25, July 12</em>)</td>
</tr>
<tr>
<td><strong>Schedule</strong></td>
<td>and complete one-on-one coaching with hospitals utilizing the CDI Sprint Coaching document</td>
</tr>
<tr>
<td><strong>Ensure</strong></td>
<td>selected hospitals identify a lead for the sprint, complete the hospital CDI sprint pre-assessment, accept the invitation to the CDI Sprint sessions, complete the CDI resource tools, and participate in one-on-one coaching</td>
</tr>
<tr>
<td>HOSPITAL</td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Confirm</strong> participation and complete SHA pre-assessment by Thursday, May 10 (link <a href="#">here</a>)</td>
<td></td>
</tr>
</tbody>
</table>
| **Select** hospital lead for CDI Sprint  
*(It is ideal the person representing the hospital is familiar with the hospital Clostridium difficile specimen collection process and antibiotic prescribing practices)* |
| **Review** hospital CDI rates, *C. Difficile* specimen collection, and antibiotic prescribing practices. |
| **Accept** invitation and participate in three (3) HRET HIIN CDI webinar sessions |
| **Schedule** and complete one-on-one coaching with state hospital association |
| **Complete** *HRET HIIN CDI Root Cause Analysis Tool* and/or *Mini RCA CDI Process Improvement Discovery Tool* |
How should I use this tool?

Use this tool to guide you to find the specific process failures related to culturing practices in a case of *C. difficile*. 
How should I use this tool?

Use this tool to find the themes of process failure in your hospital.

- Review 5-10 if small hospital, or 20 if large
- Place a check mark for every process failure in each chart
- Spend no more than 20 minutes per chart
The tools can be complementary...

- Use the **Case Deep Dive Tool** to identify culturing practices of a single case
  - *Optional but helpful*
- Use the **Process Discovery Tool** to identify themes of process failures across several cases.
  - *Required*
Submission Deadline

• Rural/CAH (≤ 100 licensed beds)
  – 5-10 charts
  – Submit completed *CDI Process Discovery Tool* by Monday, June 11, 2018 to Lmarc_ct@aha.org

• Large Hospitals (≥ 101 licensed beds)
  – 20 charts
  – Submit completed *CDI Process Discovery Tool* by Monday, June 11, 2018 to Lmarc_ct@aha.org
WHAT YOU TOLD US

Barb DeBaun, RN, MSN, CIC
Steve Tremain, M.D., FACPE
Improvement Advisors, Cynosure
Diagnostic Stewardship

• **85%** have no standard work to prevent nurses from submitting stools on patients with explained/expected diarrhea
  – Stool should *only* be sent for unexplained/unexpected diarrhea

• **33%** use PCR as sole determinant of diagnosis
Lab Stewardship

- **20%** Labs do not reject formed stool
- **15%** do not autocancel order for CDI if not stool in 48 hours
- **33%** use PCR as sole determinant of diagnosis
- **45%** use confirmatory test
Antibiotic Stewardship
Barrier: Patient

- Education level
- Communication of symptoms
- Patient & Family Engagement
- Community burden/colonization
Barrier: *Health Care Provider Team*

- Turnover
- Culture
- Time commitment
- Knowledge (key elements of diagnosis)
- Specimen collection process
- Prescribing patterns
Barrier: *Health Care Organization*

- Tracking CDI cases
- Finance
- Lack of support for advanced technology
- Competing priorities
- Resources
- Implementation of Antibiotic Stewardship program
Barrier: *Other*

- Over prescribing antibiotics in the community
- Lab testing parameters
- Availability to attend live continuing education sessions
• All participants who successfully complete the HRET HIIN CDI Sprint will be given a free subscription to IHI Open School

  “The IHI Open School brings you essential training and tools in an online, educational community to help you and your team deliver excellent, safe care. When you engage with the Open School courses and Chapters, you join more than 500,000 learners from universities, organizations, and health systems around the world in building core skills in improvement, safety, and leadership.”

• Certificate of Completion
HRET Resources

http://www.hret-hiin.org/topics/clostridium-difficile-infection.shtml
Upcoming Seminars

• June 18, 2018 CDI Sprint Rural/Critical Access Hospital (12:00PM – 1:00PM)
  - or -

• June 25, 2018 CDI Sprint Large Hospital (12:00PM – 1:00PM)

*Invitations will be sent out soon!*
Thank you!