

From 20 to 200-plus: Disseminating Best Practices across the Spectrum of Care in the Illinois Campaign to Eliminate *Clostridium difficile*

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Presenter Disclosures

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Illinois Clostridium difficile Stakeholder Group

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• Ronda Sinkowitz-Cochran, MPH

Objectives

- Identify key strategies used in disseminating best practices in the Illinois Campaign to Eliminate Clostridium difficile (ICE C. diff)
- Discuss ways to build effective partnerships for disseminating best practices
- Discuss the role of the state health department in facilitating Clostridium difficile infection (CDI) prevention across the healthcare continuum

Clostridium difficile

- Bacterium that causes inflammation of the colon
- · Shed in the feces
- Spores can live for months on environmental surfaces
- Symptoms include watery diarrhea, fever, abdominal pain, nausea, loss of appetite



Clostridium difficile Infections (CDI)

Leading cause of healthcareassociated infectious diarrhea Risk factors for CDI acquisition

- Antibiotic use
- · Recent medical care
- · Advanced age
- · Underlying illness
- Tube feeds

\$1 billion excess medical costs

14,000 deaths per year in US

2x increase in incidence in Illinois hospitals over ten years

Dubberke ER, Reske KA, Olsen MA, McDonald LC, Fraser VJ. Short- and long-term attributable costs of Clostridium difficile-associal disease in nonsurgical inpatients. Clin Infect Dis 2008;46:497–504.

Starting from 20 facilities: Illinois CDI Prevention Collaborative

Underscored importance of

- Support from leadership and key players
- · Multidisciplinary collaboration
- Evidence-based guidance and practical tools



http://www.notjustamaidservice.com/

Moving to 200-plus facilities



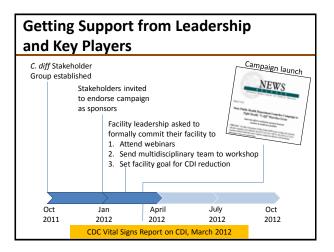
Target audience

 Acute care hospitals and longterm care facilities (LTCFs)

Goals

- Disseminate evidence-based best practices for CDI prevention
- Facilitate and increase facility engagement in CDI prevention activities





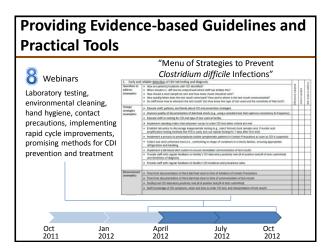
Incentives for Facility Participation

Illinois policy context

- Skilled nursing facilities required to have a designated Infection Prevention and Control Professional, effective January 2012
- Hospitals mandated to report C. diff rates, effective January 2012
- Public reporting of hospital C. diff rates on Illinois Hospital Report Card, effective fall 2012

Recognition for championing patient safety

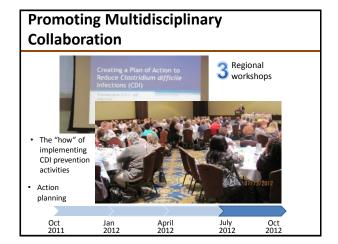
 Facilities that signed up for the campaign listed on ICE C. diff website: http://www.idph.state.il.us/patientsafety/ice-home.htm



"Menu of Strategies to Prevent Clostridium difficile Infections"

Action planning tool addressing:

- Early and reliable <u>detection</u> of CDI: lab testing and diagnoses
- Early and appropriate <u>containment</u> of CDI: safe and nonrestrictive implementation of Contact Precautions
- <u>Cleaning and disinfection</u> of the environment and equipment
- Inter-facility patient transfer



Results

- Stakeholder engagement
- Facility implementation of CDI prevention activities
- · What facilities liked most about ICE C. diff

Stakeholder Engagement

- 23 organizations signed up as campaign sponsors
- 120 hospitals and 134 LTCFs officially signed up for the campaign
 - More participated in activities without officially signing up
- 199 to 410 phone lines used per webinar
- >450 individuals total attended regional workshops

Facility Implementation of CDI Prevention Activities

	Hospital (N=82)*	LTCF (N=51)*
Facility's leadership supported participation in the campaign	83%	95%
Established a CDI prevention team as a result of the campaign	61%	47%
Implemented at least one intervention to prevent CDI as a result of the campaign -Top areas of focus: Environmental cleaning, contact precautions, hand hygiene	77%	88%
Agreed or strongly agreed that "CDI prevention is now a greater priority in my facility as a result of the campaign"	61%	81%
*Not all responded to each survey question		

What Facilities Liked Most About ICE *C. diff*

- Heightened facility awareness of CDI and enhanced leadership support
 - "It brought the issue of increased nosocomial CDIs to the forefront and helped us make changes within our facility."
 - "The ability to get involvement of leadership due to the sponsorship of IDPH."
 - "It made Administration hold nursing managers accountable for assisting in the monitoring of Contact Precautions."

What Facilities Liked Most About ICE *C. diff*

- · Facilitated information exchange among facilities
 - "[I]t was nice being part of the ICE team to hear what others were doing at their facilities."
 - "The meeting was most beneficial as I heard that others were having similar issues and how they resolved them."
- Provided evidence-based information through webbased and in-person learning
 - "I liked the ongoing educational opportunities followed up with team experience and sharing best practices."
 - "I enjoyed the focused updated information from experts."

Challenges

- · Reach to LTCFs
- Diverse target audience with different learning needs
- Short time frame for planning and implementation

Looking Ahead

C. diff is an "urgent threat"

Centers for Disease Control and Prevention, *Antibiotic Resistance Threats in the United States, 2013*

New IDPH activities

- CDI collaborative with acute care hospitals and LTCFs that share patients
- Hospital antimicrobial stewardship collaborative
- Assessment of antibiotic stewardship in LTCFs

Key role for health departments

- Facilitate collaboration among stakeholders
- Influence buy-in from leadership and key players

Thank you

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Illinois Campaign to Eliminate *Clostridium difficile* http://www.idph.state.il.us/patientsafety/ice_home.htm