





# Successful presentations are understandable, memorable, and emotional.

# **STANDARDS**

- Setting goals
  - Opportunities
  - Inventory & Auditing
  - Transparency & Communication
  - Committing to change
    - Celebrating

# What is C diff?







# Careful what you wish for



### Infection Prevention and Control

Goals & Objectives 2012-2013

#### Goal #1: Reduce Hospital Acquired Infections (HAIs)

#### Objectives:

- Catheter-Associated Urinary Tract Infection (CAUTI) Prevention
- Central Line Infection Surveillance

#### Goal #2: Relationship Building

#### Objectives:

- Occupational Health (Collaborate on projects & initiatives)
- Professional Practice (Collaborate on education roll-out)
- Engineering (Develop new Preventative Maintenance Analysis Template and Processes)
- IPAC Team (Team Building)

#### Goal #3: Knowledge Transfer

#### Objectives:

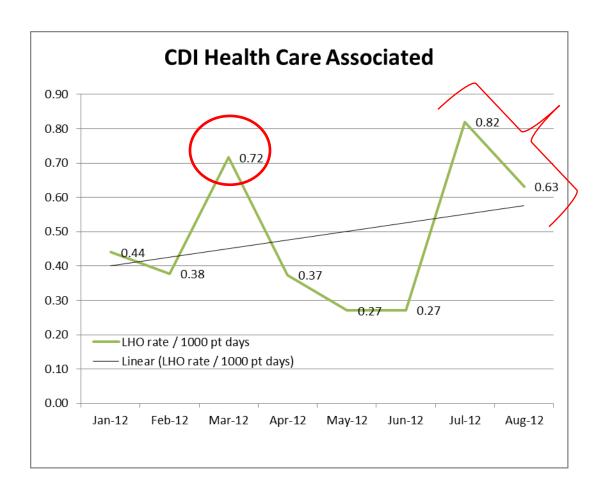
- Auditing (Routine Practices develop simple audit tools, ICPs to audit their patient care units frequently)
- IPAC Conference (Knowledge Sharing)
- Storyboards (Telling a patient's story C. difficile, MRSA Infection, etc.)
- → Research
- Core Competency Education & Hand Hygiene Education (ICP's to collaborate with Patient Care Specialists)











# Aug 16, 2012

Sent: August 16, 2012 4:59 PM

To: All Email Users

Subject: Facility Wide C-Diff Outbreak Declared

To: Lakeridge Health Colleagues

From: Infection Prevention and Control

Date: Thursday August 16

Re: Facility Wide C-Diff Outbreak Declared

Lakeridge Health leadership met with officials from Durham Public Health this morning to discuss the increased levels of C-Difficile we are experiencing at our hospital sites.

Whether community or hospital acquired, there is no question the number of cases has spiked this summer, and we are declaring a Facility Wide C-Difficile Outbreak at Lakeridge Health Oshawa.

#### At This Time:

- Lakeridge Health Oshawa remains open to admissions
- There will be no changes to patient transfers
- Environmental Services staff are conducting additional cleaning
- Unit education is taking place before the start of each shift

#### Your Mandatory Role as a Member of the Interprofessional Team:

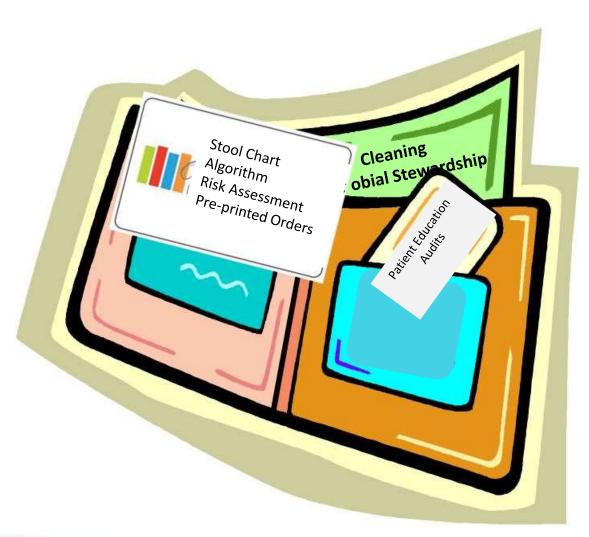
Clean and disinfect all shared equipment that has been touched by a patient (stethoscopes, bladder scanners
etc.) between each patient. If you have a question about cleaning please ask your manager.



### **OUTBREAK = OPPORTUNITY**

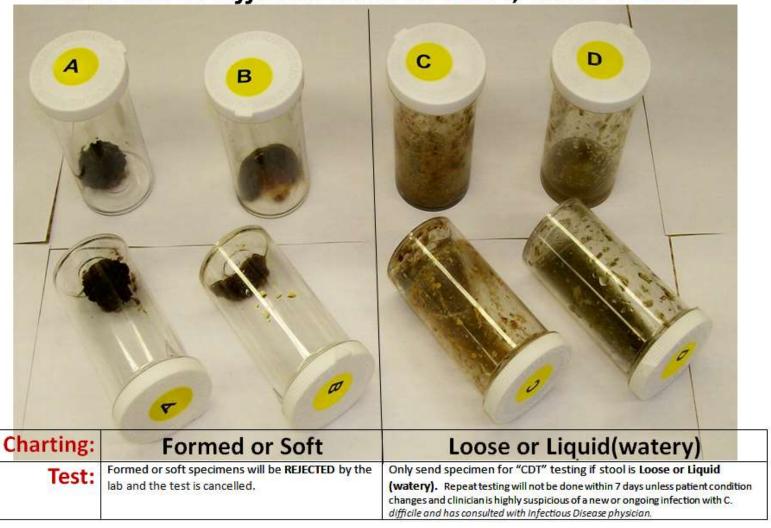


# What's in YOUR wallet?



# Inventory:

Stool and C. difficile: what to chart, what to test.



# Inventory: Algorithm



#### New Onset Diarrhea: Clostridium difficile Infection (CDI) Suspected or Confirmed

#### DIARRHEA

loose/ watery stool (i.e., if the stool were to be poured into a container, it would conform to the shape of the container)

AND

the bowd movements are unusual or different for the patient

ND:

. There is no other recognised etiology for the diarrhes (e.g., laxative use)



#### ISOLATE & PROTECT

Contact Precautions should be initiated:

- at onset of diarrhes and prior to receipt of C. difficile test results
- for confirmed case of CDI or relapse , toxic megacolon or pseudomembranous coliús

Until single room is available: attach sign on closed ourtain, dedicate toileting (e.g.Hygic Bags), accessible laundry, PPE Cart, and waste bin. Amange for immediate specified clean of shared bathroom.

- Hand hygiene at 4 moments, before & after using PPE.
- Alcohol based hand rub may be used or dedicated hand washing sink (do not use the patient sink)
- Dedicate equipment all equipment must be theroughly cleaned and disinfected before use with another patient.
- · Handle commodes and bedpans carefully to reduce spread of contamination
- Daily baths and linen changes
- . Offer opportunities for the patient to perform hand hygiene (washeloths, single use wipes, alcohol hand rub)
- Upon transfer: arrange for double clean of patient recom/equipment, and bathroom with hospital grade cleaner & speciedal
  and outsin change.



#### COMMUNICATE

- MD of symptoms and to assess antibiotics, WSC, Temperature (e.g., MD d/c unnecessary antibiotics, consider treatment for CDI). Suggest Pro-printed order "Clastridium difficile infection (CDI) Suspected or Confirmed"
- Notify Infection Prevention and Control (MOX "IC" or call )
- . Document ALL stool: frequency, colour and consistency, and document Additional presentions
- · Notify all receiving areas of Contact precautions prior to patient movement for tests or transfers.

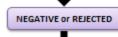


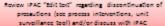
#### SEND specimen for C. difficile if stool is loose / watery.

- This test will detect toxin producing strains of C. difficile.
- The test will NOT be done on formed or soft stool.
- Do not test under 1 year of age as it normal flore in this age group



- Notify MD: Use Pre-printed order for Clostridium difficile Infection (CDI) Suspected or Confirmed
- Document stool: frequency, and type (colour, consistency) even when improving
- · Communicate assessments on shift reports
- Environmental Services to perform cleaning twice a day for this room.
- Ro-testing as a test of ourcis not indicated; toxin may persist in steel for weeks and therefore is not helpful in determining duration of treatment or the discontinuation of Additional Pressutions.







Repeat testing will not be done within 7 days unless patient condition changes and clinician is highly suspicious of a new or ongoing infection with C. difficile. Consult with infectious Disease physician (ID).

July 4, 2013 Infection Provention and Control 8xt: 3854

# Inventory: Assessing the Risk

Lakeridge Health
Assessing & Managing Risk for C. difficile Infection (CDI)
Use this tool to identify and communicate risk factors for C. difficile in a symptomatic patient. Following these steps will help create a safe environment and plan of care.
MONITOR FOR SYMPTOMS: Identify patients with new onset diarrhea: loose/watery bowel movements (conforming to the shape of the container), the bowel movements are unusual or different for the patient, and there is no other recognized etiology for the diarrhea (e.g. laxative use).
ASSESS the RISK - This patient has DIARRHEA and the following risk factors for CDI (check all that apply):
Antibiotics within 12 weeks Bowel disease/bowel surgery
History of CDI Manipulation of GI tract including tube feeding
Prolonged hospitalization Recent Surgery
☐ Elderly (>65) ☐ OTHER
Proton Pump Inhibitor e.g. Pantoprazole, Lansoprazole, Rabeprazole, Omeprazole, etc.  Immunosuppressive therapy e.g. Prednisone, Chemotherapy, Post Transplant
Risks identified by:
CREATE SAFE ENVIRONMENT:  Initiate CONTACT precautions at onset of symptoms  Place CONTACT precautions sign (place on curtain until single room is available).  Dedicated toileting facilities and equipment (e.g. commode at bedside, use hygie bags).  Accessible Laundry, PPE Cart, Waste Bin. Gown & Gloves MUST be worn when entering patient space.  Meticulous hand hygiene with alcohol-based hand rub or soap and water.  Provide hand hygiene opportunities for patients, e.g. alcohol hand rub, hand wipes or cloth, hand wash sink  When patient is transferred – double clean the multi-bed room, ask ES to do a C. diff clean
SPECIMEN COLLECTION:  Obtain a specimen for C. diff testing as soon as possible after onset of symptoms. Send only stool that is loose/watery and able to conform to the shape of the container. A single negative test by enzyme immunoassay (EIA) does not rule out C. difficile; if a single test is negative,  a second specimen should be sent.
COMMUNICATE:
<ul> <li>NOTIFY MD of SYMPTOMS to assess: antibiotics, bloodwork, vital signs, and to consider treatment if clinically indicated.</li> </ul>
<ul> <li>Document findings, e.g., type and frequency of stool, and document isolation precautions.</li> </ul>

Notify all receiving areas prior to tests or transfers that the patient is on isolation precautions.

# Inventory: Pre-printed orders

La	keridge Health	191.
Preprinted Order		
Clostridium difficile Infection (CDI	) Suspected	I
or Confirmed		I
<ol> <li>Delete orders not required.</li> </ol>		I
<ol><li>Specify dose, route and frequency for r</li></ol>		I
<ol><li>Where optional orders occur, select apporter(s).</li></ol>	propriate	I
Write additional orders on Doctor Orde	r sheet.	I
5. Sign and date all orders.		I
	Drug Sensitivities: None	Known
Date	If yes, please list:	
(dd/mm/yy)		
Clinicians should consider the p	ossibility of CDI in any p	atients with diarrhea and
previous antibiotic exposure. L	eukocytosis and/or feve	r are commonly present.
Laboratory/Monitoring		
Obtain serum albumin x 1.		I
Obtain serum lactate x 1.		I
CBC, electrolytes, serum creating	ine, glucose daily x 3 then	then reassess.
4. Send stool sample (MUST be loc		
<ul> <li>Consider initiating empiric</li> </ul>		
<ul> <li>Repeat x 1 if negative res</li> </ul>	ult and the patient is still s	ymptomatic.
<ul> <li>If toxin assay negative an</li> </ul>	d clinical suspicion of C. di	ficile exists initiate treatment
	gy and/or Infectious Disea	
<ul> <li>There is no role for C. diff</li> </ul>	<i>ficile</i> toxin assay as a test o	f cure.
Imaging (consider for moderate		
Abdominal x-ray (2 views) for C. difficile colitis		
CT abdomen for C. difficile co	olitis. MRP to complete re	quisition.
Treatments (Initiate immediatel	he's	
6. IV Fluids	y)	
	ml over hou	r(e)
bolus sodium chloride 0.9%mL overhour(s)   solution: atmL/h and reassess in		
saline lock IV	IIIL/II alid reassess III	
7. Treatments:		
Discontinue all routine and P	RN laxatives and stool softe	eners.
<ul> <li>Discontinue all antidiarrheals</li> </ul>		
<ul> <li>MRP to review and discontinu</li> </ul>		
sheet.		
discontinue the following ant		
discontinue the following pro	ton pump inhibitors and H <sub>2</sub>	antagonists if nonessential:
Physician's Signature	Date:	Time:
Nurse's Signature	Date:	Time:
Unit Clerk's Signature	Date:	Time:
Originating Committee/Council: Infection Contr		Page 1 of 2
Hedical Advisory Committee: April 24, 2012		CRO6191

	Lakeridge	Health 191.		
Preprinted Order				
	cile Infection (CDI) Su	ispected Or		
Confirmed				
<ol> <li>Delete orders no</li> </ol>				
	ute and frequency for medic	cations		
<ol><li>Where optional of</li></ol>				
appropriate orde				
	orders on Doctor Order she	bet.		
<ol><li>Sign and date all</li></ol>	orders	Drug Sensitivities: None Known		
Date				
(dd/mm/yy)		If yes, please list:		
(dd/mm/yy)				
Clinical definition	Supportive olinical data	Treatment		
initial episode, mild	WBC less than 15 x 10 <sup>9</sup> /L	MetroNIDAZOLE 500 mg PO/enteral tube Q8H x 10 days		
or moderate	and serum creatinine less	Consider change to vancomycin PO if deterioration or symptoms		
	than 1.5 times pre-morbid level	not Improved after 72 hours		
initial episode,	WBC greater than 15 x	Vancomycin 125 mg PO/enteral tube QID x 14 days		
severe	109/L or serum creatinine	If unable to take po:		
	greater than or equal to 1.5			
	times pre-morbid level	take PO)		
		Vancomycin Rectal Enema: Insert rectal tube and instill vancomycin 500mg diluted in 100mL normal saline PR Q6H x		
		14 days (clamp rectal tube x 1 hr with each dose)		
initial episode,	Hypotension or shock,	☐ Vancomycin 500 mg PO/enteral tube QID x 14 days plus		
severe, complicated	lleus, megacolon	metroNIDAZOLE 500 mg IV Q8H x 14 days If complete lieus, consider adding rectal instillation of		
Complicated		vancomycin.		
		Vancomycin Rectal Enema: Insert rectal tube and Instill		
		vancomycin 500mg diluted in 100mL Normal Saline PR Q6H x		
		14 days (clamp rectal tube x 1 hr with each dose)		
		Consult (there must be MRP to physician		
		communication for consult):		
		Infectious Disease    General Surgery		
		☐ Internal Medicine		
		□ Intensivist		
		Gastroenterology		
		Other		
1 <sup>®</sup> recurrence		See Initial episode and stratify by disease severity.		
2nd or more		Vancomycin 125 mg PO/enteral tube QID x 14 days		
recurrence	1	THEN vancomyclin taper regimen of:		
	1	Vancomycin 125 mg PO/enteral tube BID x 7 days then daily x 7 days then g2days x 7 days then g3days x 15 days then stop.		
	1	Saccharomyces boulardii 500 mg PO BID x 28 days; start on		
	1	Day 14 of vancomycln treatment if patient does not have		
	1	immunosuppression, implanted graffs or vascular devices or		
	1	active inflammatory bowel disease.		
(There must be MRP to physiolan communication.)				
		(I nere must be MKP to physician communication.)		
Physician's Signat		Date: Time:		
Nurse's Signature Date: Time:				
Unit Clerk's Signature Date: Time:				
	Council: Infection Control Con			
Hedical Advisory Comm	ittee: April 24, 2012	CRO6191		

# Inventory: Pamphlet



#### Clostridium difficile Infection – Staff Education Pamphle

#### What is Clostridium difficile?

Clostridium difficile is a common hospital problem due to the widespread use of antibiotics. The use of antibiotics increases the chances of developing *C. difficile* diarrhea as it alters the normal level of good bacteria found in the intestines and colon. Without the presence of normal bowel bacteria, the *C. difficile* bacteria may start to grow and produce a toxin that can damage the bowel. Although *C. difficile* infection can occur in the community or anywhere antibiotics are used, the concern in a healthcare setting is that i may spread to other vulnerable patients.

The symptoms include diarrhea, abdominal cramps, bloating and gas pains. The stools are usually watery and sometimes blood is present. Patients may have a fever and a high white blood cell count.

#### How is C. difficile spread?

C. difficile is primarily spread through hand contact. Healthcare providers who do not change gloves and wash hands immediately following the handling of feces can transmit the bacteria to other patients. Patients sharing bathrooms also need to be reminded to wash hands after using the bathroom and prior to meals. Equipment that goes from patient to patient can also spread C. difficile. As C. difficile is a spore-forming bacteria, it can remain in the environment and contaminate commodes, toilet areas, and frequently touched surfaces.

#### Why is C. difficile a problem?

Clostridium difficile is a common hospital problem due to the widespread use of antibiotics. As antibiotics destroy bacteria, they interfere with the normal flora of the bowel, and it is replaced with C. difficile bacteria. Although C. difficile infection can occur in the community or anywhere antibiotics are used, the concern in a healthcare setting is that is may spread to other vulnerable patients.

#### Testing, Treatment and Management

C. difficile is diagnosed by the presence of C. difficile toxin in the stool. Stool specimens should be sent to the laboratory in a dry container. The sensitivity of the test for toxin varies, so a negative result does not always rule out C. difficile infection. If you suspect that a patient may have C. difficile, implement contact precautions immediately. Do not wait for test results.

#### Do C. difficile positive patients need precautions?

When patients have diarrhea, place patients in a private room and use contact precautions when caring for them. This includes the use of gloves and gowns when entering the patient's room or environment. Enhanced cleaning is required to remove the spores from the environment. Extra attention should be given to bed rails, call bells and toilet flushers – places where soiled hands are likely to contact. Commodes should be assigned to each patient and not shared. Meticulous hand hygiene and cleaning of shared equipment are also important in preventing the spread of *C. diff*.

Contact precautions may be discontinued in consultation with Infection Prevention and Control once stool consistency has returned to what is normal for that patient. Often, contact precautions are continued unterested to the contact precautions are continued unterested to the contact precautions are continued unterested to the contact precaution and Control once stool consistency has returned to what is normal for that patient.

Follow-up stool specimens are not needed as patients may continue to test positive for toxin in their stoo for several weeks after successful treatment.

Patients with C. difficile need to be assessed frequently for possible complications. Assess bowel sounds,

# Inventory: Patient education



#### C. difficile FACT SHEET

#### Clostridium Difficile

#### What is Clostridium difficile?

C. difficile is a type of bacteria that can be found in the environment and the bowei. C. difficile is the most common cause of infectious diarrhea in hospitals and long term care homes. It has been a known cause of health-care associated diarrhea for about 30 years, however in the past decade C. difficile has been associated with an increased number of hospital outbreaks and more severe disease. For most people, C. difficile does not pose a health risk.

#### What is Clostridium difficile Infection (CDI)?

Clostridium difficile Infection (CDI) can occur after antibiotics are prescribed. Antibiotics work by killing off bacteria - the bad bacteria - but also good bacteria. Without the presence of "good" bowel bacteria, the C. difficile bacteria may start to grow and produce toxins. These toxins can damage the bowel and cause diarrhea, causing a disease known as Clostridium difficile Infection (CDI). The effects of CDI are usually mild but sometimes can be more severe. Symptoms can range from mild or severe diarrhea to high fever, abdominal cramping, abdominal pain and dehydration. In severe cases, surgery may be needed, and in extreme cases CDI may cause death.

#### What are the risks for CDI?

Certain people are at increased risk for acquiring CDI. These risk factors include:

- A history of antibiotic usage
- Bowel disease and Surgery
- Recent Surgery
- · History of C. difficile
- Immunosuppressive therapy

- Immunosuppression/transplant
- Chemotherapy
- Prolonged hospitalization
- Proton Pump Inhibitors (e.g. Prevacid)
- NAP 1 Strain

Additional risk factors that predispose some people to develop more severe disease include:

- Increased age
- Serious underlying illness or debilitation

#### How is CDI treated?

CDI is treated with specific antibiotics that work against C. difficile. The choice of antibiotic depends on how sick you are. Appropriate treatment will be determined by the patient's attending doctor.

#### How does CDI spread?

When a person has CDI, the bacteria in the stool can spread to surfaces such as toilets, handles, bedpans, or commode chairs. When touching these items our hands can become contaminated. If we then touch our mouth without washing our hands, we can become infected. Our soiled hands can also spread the bacteria to other surfaces.

You can greatly reduce the chance of spreading C. difficile by washing your hands and ensuring frequently touched surfaces are kept clean and disinfected.

#### What happens if I get CDI while I'm a patient in the hospital?

You will be put on special precautions until you are free from diarrhea for at least three days. (Most patients with diarrhea, not only those with *C. difficile*, may be put on these special precautions). Your activities outside the room may be restricted. All health care staff who enter your room must wear a gown and gloves. Everyone MUST clean their hands when leaving your room.

Always wash your hands after using the washroom and before eating. Cleaning hands is the most important way for everyone to prevent the spread of *C. difficile* and other germs. As well, a thorough cleaning of your room and equipment will be done to prevent spread of infection. Ask your visitors to check in with the nursing staff if they have not done so already. Your visitors should **NOT** use your washroom while you are in the hospital.

Excellence - every moment, every day



www.lakeridgehealth.on.ca

# Inventory: Discharge Info for ALL



#### Antibiotic-Associated Diarrhea

If you have had an Antibiotic in the last month or two, you could be a risk to develop Antibiotic Associated Diarrhea. Please read on for some helpful information.

#### What is it?

Frequent watery bowel movements (diarrhea) after taking antibiotics.

#### Why would I get sick from taking antibiotics?

Your bowels are home to millions of bacteria. Many of these bacteria are very helpful and important. Some of the bacteria are potentially dangerous, but are usually kept in check by the good bacteria. The balance between the two can be disturbed by illness, medication or other factors. Antibiotics can destroy "good" bacteria along with harmful ones. Without enough good bacteria, the "bad" bacteria can grow out of control producing toxins that cause diarrhea and can damage the bowels.

#### Why is this important?

Most often, antibiotic-associated diarrhea is mild and clears up shortly after stopping the antibiotic. In some cases, the diarrhea could lead to colitis, an inflammation of your colon. A more serious form of colitis called C. difficile infection or pseudomembranous colitis can also develop.

Symptoms to watch for:

- Fever
- Watery diarrhea
- Nausea, loss of appetite
- Tummy pain or tenderness.

Will my family get sick too?

#### Seek Medical attention if you develop:

- Diarrhea that is bothersome or severe
- Bloody diarrhea
- Abdominal pain
- Fever
- Diarrhea which continues after antibiotic is finished

These signs and symptoms are common to a number of conditions, so your doctor may recommend tests to determine the cause.

DO NOT take anti-diarrhea medications that you can buy without a prescription unless you have checked with your doctor. If you have antibiotic associated diarrhea or clostridium difficile, the anti-diarrhea medication may cause a more serious health condition.

DO NOT take someone else's antibiotics. Only use antibiotics prescribed for you.

Remind your doctor that you have recently been on antibiotics. Having antibiotic-associated diarrhea once increases the chance that antibiotics may cause the same reaction again. Your doctor may select an antibiotic that is less likely to cause diarrhea.

Clostridium difficile (C-diff) is a "bad" bacteria that can live in your bowels, or in the environment. C-diff can create toxins which in turn cause diarrhea. This may develop when the "bad" bacteria outgrow the "good" bacteria in your bowels.

#### Risk Factors for C-diff:

Anyone who takes a course of antibiotic is at risk of developing *C-diff* infection. Symptoms can start as soon as a couple of days after starting the antibiotic, or take a few weeks to develop. Typically, it does not affect those under 1 year of age.

# Inventory:

# Send Germs Packing

Infection Prevention and Control for Patients & Visitors



#### How to protect yourself:

While healthy eating, adequate sleep and physical activity may help to maintain good health, proper personal hygiene practices are the most effective ways to protect yourself and others.



#### Cover your cough:

Cover your mouth and nose with a tissue when you cough or sneeze. If you don't have a tissue, cough or sneeze into your upper shirt sleeve, not your hands. Dispose of tissue and clean your hands.



#### Avoid touching your eyes, nose, or mouth:

Influenza or other illnesses are often spread when someone touches a contaminated object and then touches his or her eyes, nose or mouth.



#### Visitors are to stay home when sick:

If visitors are experiencing new onset of cough, fever, aches & pains, recent vomiting or diarrhea, they need to stay at home and get some rest.



#### Wash your hands frequently:

Illnesses often spread when people touch contaminated objects. Frequent hand washing can protect you. When to clean your hands:

After using the washroom

# Inventory: Human Resources

- **≻**Hand Hygiene Auditor(s)
- >IPAC Team
- > Environmental Services (education)
- **►** Infectious Diseases Physician
- **≻**Supportive Director
- **≻**Supportive Senior Management
- **→ Durham Region Health Department**
- **➤ Managers, Specialists, Directors**

# Inventory: Human Resources

# ANTIMICROBIAL STEWARDSHIP Team (of 2)

# Inventory & Auditing = Toolkit

#### Clostridium difficile Infection (CDI) Suspected or Confirmed Toolkit

#### Clinical Tools (Front line staff)

Suspected/Confirmed Clostridium difficile Toolkit Checklist

STEP ONE: C. difficile Infection (CDI): what to chart, what to test

STEP TWO: Clostridium difficile Infection (CDI) Suspected or Confirmed Algorithm

STEP THREE: Assessing and Managing Risk for C. difficile Infection (CDI)

STEP FOUR: Preprinted Order Clostridium difficile Infection (CDI) Suspected or Confirmed

STEP FIVE: Clostridium difficile Infection - Staff Education Pamphlet

C. difficile Fact Sheet (Patient and Visitor Information)

Information about Isolation Precautions for Patients & Visitors

Antibiotic-Associated Diarrhea Handout

#### Managerial Toolkit (Patient Care Managers/Specialists or Delegate)

#### SPOT CHECK TOOLS:

Utilize #1 for patients with CDI/undiagnosed diarrhea on your unit Utilize #2 for all other isolated patients on your unit

1) SPOT CHECK for CDI/Undiagnosed Diarrhea Patient Management

2) SPOT CHECK for Isolated Patient Management

#### IPAC SAFETY HUDDLE CHECKLIST:

IPAC Safety Huddle Checklist (PCM/PCS or Delegate) General

Suspected/Confirm	ea		<del></del>
Clostridium difficile	Tool Kit Checklist	3	LAKERIDGE HEAI
Patient Care Unit:	HCP:	Date:	Time:

This checklist is to aid the HCP in following the essential steps for suspected /confirmed C. difficile patient. To be completed for every patient with suspected/confirmed C. difficile.

	Completed		
Step 1: Confirm if stools are loose or abnormal	YES Comments		
Review C. difficile Infection (CDI): what to chart, what to test - to assess			
formation of patient's stool			
Stool formation documented in patient's chart (under Elimination).			
Document frequency, and type (colour, consistency)			
Step 2: Trigger Tool	YES	Comments	
Follow the Clostridium difficile Infection algorithm			
Place patient on Contact isolation and place a sign at entrance of door if			
private room.			
<ul> <li>If private room unavailable, place isolation sign on patient's curtain</li> </ul>			
and on the door to the room.			
Transfer patient into a single room (double clean previous room)			
<ul> <li>If room transfer cannot be done immediately, notify Environmental</li> </ul>			
Services to clean the washroom right away.			
Dedicate toileting facilities (a dedicated commode should be given to the			
patient if the patient is in a multi-bed room. If using a commode/bedpan			
Hygie Bags must be used to line the commode bucket)			
Send stool sample for CDT testing			
Dedicate equipment (if equipment cannot be dedicated it MUST be cleaned			
between patients)			
Notify Infection Prevention and Control			
Notify Bed Allocation			
Step 3: Assessing CDI Risk Factors	YES	Comments	
Complete "Assessing and Managing Risk for C. difficile Infection (CDI)"			
Completed form is filed in the patient's chart			
Step 4: Inform the Physician	YES	Comments	
Notify MD/Physician of loose or abnormal stools			
Refer to MD/Physician the Preprinted Order – Clostridium difficile Infection			
(CDI) Suspected or Confirmed			
Completed Preprinted Order – Clostridium difficile Infection (CDI) Suspected			
or Confirmed filed in the chart			
Step 5: Provide Education	YES	Comments	
Staff education pamphlet is reviewed			
Patient is educated on hand hygiene practices and access to hand hygiene			
prior to eating and after using the washroom. (AHBR or alcohol based hand			

# Putting it all together

# SPOT CHECK for CDI/Undiagnosed Diarrhea Patient Management Patient Care Manager Ratient Care Specialist



Patient Care Unit: \_\_\_\_ Patient Room #: Date: Completed YES CDI Assessment NO Comment/NA Has the Assessing & Managing Risk for CDI worksheet been completed? YES NO Comment/NA Accommodation Patient in single room? If single room not available, ES notified to clean washroom immediately. Dedicate commode and use Hygie Bags. Contact precaution sign on patient door for single room, if single room not available sign to be placed on patient's curtain and on door to room. Personal Protective Equipment YES Comment/NA PPE available outside patient room. A laundry hamper is placed close to the patient's bed space as possible. Gowns worn by HCW before entering patient's room? Gloves worn by HCW before entering patient's room? Gloves/gowns discarded in patient's room upon exiting? YES NO Comment/NA Hand Hygiene Hand hygiene before patient/environment contact? Hand hygiene after patient/environment contact? Hand hygiene before aseptic technique? Hand hygiene after body fluid exposure? Hand Hygiene before donning PPE Hand hygiene after doffing PPE Staff assisting patients with their Hand Hygiene prior to meals? YES NO Dedicated patient equipment? Comment/NA If patient is in a multi-bed room a commode chair is dedicated for the patient's use if dedicated toilet facilities unavailable. Hygie bags are used to line commode bucket/bedpan. Dedicate Equipment - examples include (but are not limited to): Transfer belt Stethoscope BP Cuff Therapeutic Wheelchair Thermometer Shared equipment is cleaned after patient use? YES NO Comment/NA Disinfectant used Shared equipme Bladder Scann Other:

# **Auditing**

#### SPOT CHECK for Isolated Patient Management

Patient Care Manager / Patient Care Specialist

Patient Care Unit: Patient Room #: Date:

Note: The use of these checklists are for unit based learning			Completed
Accommodation	YES	NO	Comment/NA
Isolated patient in single room? (If single room not available, ES notified to clean washroom immediately.  Dedicate commode and use Hygie Bags for diarrhea) Isolation sign on patient door for single room, if single room not available sign			
to be placed on patient's curtain and on door to room.			
Personal Protective Equipment	YES	NO	Comment/NA
PPE easily accessible.			
PPE by HCW before entering patient's room?			
PPE discarded in patient's room upon exiting?			
Hand Hygiene	YES	NO	Comment/NA
Hand hygiene before patient/environment contact?			
Hand hygiene after patient/environment contact?			
Hand hygiene before aseptic technique?			
Hand hygiene after body fluid exposure?			
Hand Hygiene before donning PPE			
Hand hygiene after doffing PPE			
Dedicated patient equipment for isolated patients?	YES	NO	Comment/NA
If patient is in a multi-bed room and has symptomatic undiagnosed diarrhea a commode chair is dedicated for the patient's use if dedicated toilet facilities unavailable. Hygie bags are used to line commode bucket/bedpan.			
Dedicate Equipment - examples include (but are not limited to):			
Transfer belt     Stethoscope     BP Cuff     Therapeutic Wheelchair     Thermometer			
Shared equipment is cleaned after patient use?  Disinfectant used:	YES	NO	Comment/NA
Shared equipment may include (but are not limited to):			
Bladder Scanner     Pulse Oximeter     Portable vital signs monitor     Wheelchair     Other:			
Patient Education	YES	NO	Comment/NA
Patient education is provided (fact sheets, hand hygiene) by staff.			
Staff Documentation	YES	NO	Comment/NA

# Auditing

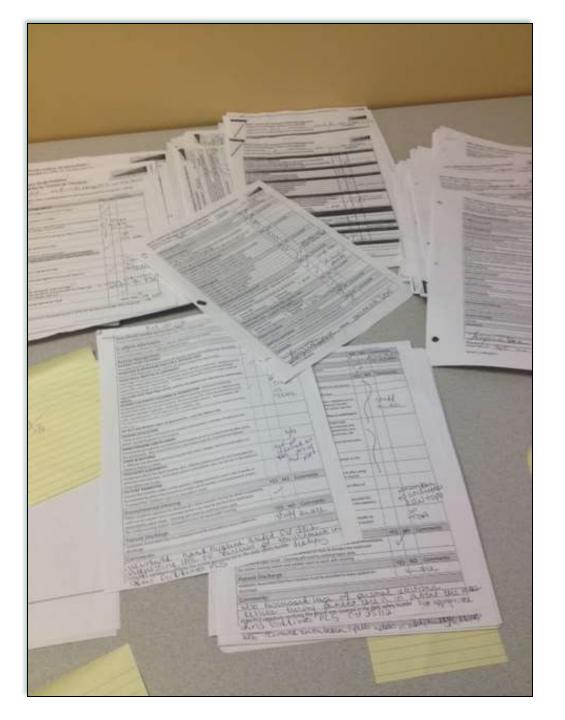
#### IPAC Safety Huddle Checklist (PCM/PCS/Delegate)

LAKERIDGE HE

Seneral (This tool is to be used for daily safety huddles on each patient care unit.)

Provide feedback to staff on the previous days SPOT CHECK AUDIT  Infection Control Information  Staff aware of how to access infection prevention and control policies and procedures on the WAVE (i.e. HOT ZONES)	e:
Infection Control Information Staff aware of how to access infection prevention and control policies and procedures on the WAVE (i.e. HOT ZONES)  Infection Control Patient Management  Infection Control Patient Management  FRI SCREENING All staff to be assessing /monitoring patients for new onset of respiratory symptoms and/or diarrhea and completing the FRI Screening tool to notify infection Prevention and Control.  IPAC SCREENING QUESTIONNAIRE Staff to ensure IPAC screening questionnaire is completed electronically for all new admissions to the unit (i.e. from transfers from ER and/or direct admissions to the unit)  ARO SWABS  Patients that meet screening criteria to be swabbed for AROs and have not been swabbed within 12 hours of admission.  All impatient to be swabbed every 30 days while in hospital  UNDIAGNOSED DIARRHEA (SUSPECTED OR CONFIRMED CDIFFICILE) Staff to be completing the CDI Toolkit (located on the WAVE) for all undiagnosed diarrhea  DISCONTINUATION CRITERIA FOR ISOLATION  Staff to assessing patients daily  Discontinuing precautions based IPAC criteria met (outlined in their TOA and/or FRI)  HAND HYGIENE  Patients - Promote/assist patients to practice hand hygiene prior to eating meals and after using the washroom. Wet washcloth/order hand wipes (can be ordered from Stores)  Staff to be wearing the appropriate PPE for those on additional precautions.  Contact - gown and gloves  Droplet Gomes and after those on additional precautions.  Airborne Conjust Contact - gown and gloves  Droplet Gomes and after those on additional precautions.  Airborne Conjust Contact - gown and gloves  Droplet Gomes and after those on additional precautions.	Comments
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Gown gloves N95 and eve protection	
SHARED EQUIPMENT CLEANING & DISINFECTION	

# Auditing



### Audits = Results

- ➤ Supported by Senior Team
- ➤ 200 audits by Managers and Educators

# Is this an Outbreak?

**C5:** genetically indistinguishable from NAP1

**C7**: genetically indistinguishable from NAP1

**G8**: genetically indistinguishable from NAP1

**G5**: genetically closely related to NAP1

**G5**: genetically closely related to NAP1

**G8**: genetically closely related to NAP1

**C7**: genetically closely related to NAP1

ICU: genetically closely related to NAP1

ICU: genetically closely related to NAP1

- Toxin A/B/Binary toxin gene detected

genetically indistinguishable from NAP4 genetically closely related to NAP6 Unique PFGE pattern and has been arbitrarily designated as Pattern A for this outbreak

- Toxin A/B toxin gene detected, Binary toxin not detected
- Toxin A/B toxin gene detected, Binary toxin not detected

- Toxin A/B toxin gene detected, Binary toxin not

# Communication:

# How <u>YOU</u> Can Help Stop the Spread of C-Difficile

- Our Goal Early identification, isolation and treatment of suspected C-diff patients.
- Clean Between. Clean your hands and shared equipment between patients.
- Wear Personal Protective Equipment (PPE) when visiting isolated patients.
- Teach your patients proper hand hygiene.
- De-clutter so cleaning can occur.
- Use Hygie Bags in bedpans/commodes.
- Review necessity, duration and spectrum of antibiotics.

# Communication: making sense of alphabet soup



# **Transparency & Communication**



Search

GO

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LH INFO STAFF INFO **POLICIES & PROCEDURES** FORMS & TEMPLATES **EDUCATION & RESEARCH** 

#### Daily Status Reports

August 17, 2012

August 20, 2012

August 21, 2012

August 22, 2012

August 23, 2012

August 24, 2012

August 27, 2012

August 28, 2012

August 29, 2012

August 30, 2012

August 31, 2012

September 4, 2012

September 5, 2012

September 6, 2012

September 7, 2012

September 10, 2012

September 11, 2012

September 12, 2012

September 13, 2012

September 14, 2012

September 17, 2012

September 18, 2012

September 19, 2012

September 20, 2012

September 21, 2012

September 24, 2012

September 25, 2012

# the WAVE

#### C. difficile Outbreak

#### LINK TO C. difficile Resources

#### Outbreak Resources:

Routine Practices Reference Sheet

How YOU Can Help Stop the Spread of C-Difficile (Poster)

#### Outbreak Management Team Meeting Documents:

August 16, 2012

#### Communications:

Staff Memo: Facility Wide C-Diff Outbreak Declared - August 16, 2012

Staff Memo: UPDATE Facility Wide C-Diff Outbreak - August 27, 2012

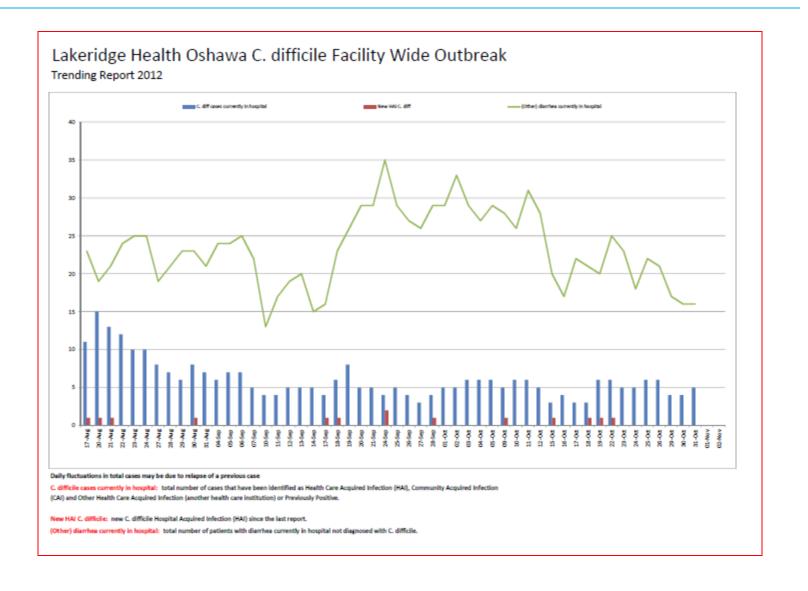
Staff Memo: UPDATE Facility Wide C-Diff Outbreak - August 29, 2012

Staff Memo: UPDATE Facility Wide C-Diff Outbreak - September 10, 2012

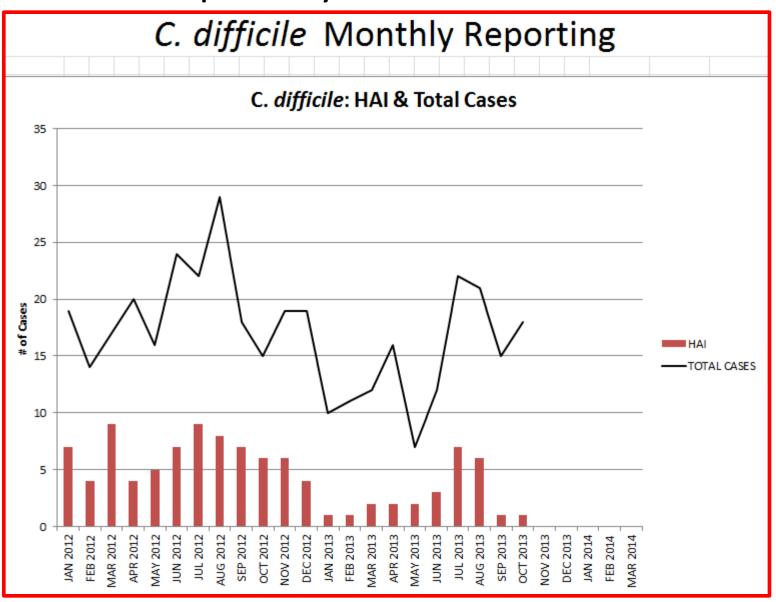
Staff Memo: UPDATE Facility Wide C-Diff Outbreak - Still in Effect - October 10, 2012

Staff Memo: Frequently Asked Questions about Facility Wide C-Diff Outbreak

# **Transparency & Communication**



# **Transparency & Communication**



# **Transparency & Communication**

```
10/11/13 0025 Isolation Rooms Needing to have a 2nd Cleaning Daily
                                                                          PAGE: 1
The following rooms require 2nd daily clean due to confirmed or suspected cases
of C difficile (pseudomembraneous colitis, diarrhea) and certain cases of
Multiresistant Organisms (MRO).
   ** Cleaner for CDiff: sporacidal product MRO: hospital grade disinfectant
FACILITY
           LOCATION
                         ROOM
                                       REASON(S)
I HN
                                       Extra clean of hoppers & toilets 3 x a day
           FR
           CRITCARECT
                         165 A
                                       MRO
           CRITCAREME
                         187 A
                                      Cdiff
           0C4
                         DC423 A
                                      Cdiff
                         OC449 B
                                      Cdiff
                         0C453 A
                                       Cdiff
                         DC457 B
                                      Cdiff
           005
                         OC579 B
                                      Cdiff
           OC5R
                         OC541R A
                                       MRO
                         0C543R A
                                      Cdiff
```

Cdiff

Cdiff

OC565R B

0C625 A

930

# **Transparency & Communication**

```
RUN DATE: 12/11/13
                               Lakeridge Health Lab System
                                                                                    PAGE 1
RUN TIME: 1415
                  Microbiology Patient CDT- ALL Orders (results if avail)
RUN USER: IS/LDU
ALL CDiff Toxins ordered between 11/11/13 - 0000 hrs, thru 12/11/13 - 1415 hrs.
                                      <ADM IN 30/10> ( ... ) 189-A CRITCAREME MAYBEE, JOHN
13:B00
                 RECD, Coll: 11/11/13-1345 Recd: 11/11/13-1936 (R#0914 ) MAYBEE, JOHN
CD CYTOTOXIN
                                   Pending
                                                                              Reporti
                            <ADM IN 06/11> (: . ) 205-A CRITCARESU ISLAM,MD ASHIQUL
13:B00 __
                 COMP, Coll: 11/11/13-0928 Recd: 11/11/13-0936 (R#0914
                                                                         ) WAX, RANDY STUAR
> <<C DIFFICILE CYTOTOXIN>> Final
                                                                 11/11/13-1536
       REJECTED
       Specimen received unlabeled, no patient identifiers.
       Specimen not processed.
                            <ADM IN 06/11>
13:B00
                 RECD, Coll: 11/11/13-162
                                                                         ) WAX, RANDY STUAR
CD CYTOTOXIN
                                       <D ER 11/11> ()
                                                            ) EER LENNOX, CATHERINE LYNN
13:B00
                 RECD, Coll: 11/11/13-1306 Recd: 11/11/13-1318 (R#
                                                                      194) LENNOX, CATHERIN
CD CYTOTOXIN
                                   Pending
                        __ __ ... <ADM IN 07/11> ( ... ) OC685-A OC6 PEDRETTI, LUIGI
                 RECD, Coll: 11/11/13-1421 Recd: 11/11/13-1516 (R#0914. ) PEDRETTI, LUIGI
L3:80...
CD CYTOTOXIN
                                   Pending
                        // CADM IN 29/09> ( OC725-A OC7 JADAVJI, IRFAN
13:B0001
                 RECD, Coll: 12/11/13-0856 Recd: 12/11/13-0906 (R#091

    JADAVJI, IRFAN

CD CYTOTOXIN
                                   Pending
                  75/F <ADM IN 19/08> . . . OC717-A OC7 NASARULLAH, FAREEHA
13:B0064896R
                 RECD, Coll: 12/11/13-1100 Recd: 12/11/13-1135 (R#0
                                                                        ) NASARULLAH, FARE
CD CYTOTOXIN
                                   Pending
                                 <ADM IN 11/11> ( ) ON1ER340A-6 ON1ERZ4A NASARULLAH, FA
13:B00F
                 COMP, Coll: 11/11/13-1132 Recd: 11/11/13-1243 (R#0° ... ) CHIN, ANTHONY
> <<C DIFFICILE CYTOTOXIN>> Final
                                                                 11/11/13-1516
```

# **Transparency & Communication**

To: Lakeridge Health Colleagues

From: Incident Management Team

Re: Frequently Asked Questions about Facility Wide C-Diff Outbreak

# What is the current status of the Facility Wide C-Difficile Outbreak at Lakeridge Health Oshawa?

A Facility Wide C-Difficile Outbreak was called in late August and still remains in effect for Lakeridge Health Oshawa. Although our health care team has done a great job addressing this outbreak, we have had five (5) new hospital acquired cases in October. We also have a large number of patients with undiagnosed diamhea. Continuing with regular and enhanced precaution is essential to preventing hospital transmission.

## 2. Why are we in outbreak?

Lakeridge Health decided to declare an outbreak based on discussions with the Durham Region Health Department about the growing number of C-Diff cases in the community and several hospital acquired cases in various units at Lakeridge Health Oshawa. We believe some of the acquired cases in our hospital may be a result of practice issues that this outbreak has now given us the opportunity to address.

## 3. When will the outbreak be declared over?

Durham Region Health Department makes the decision to declare the outbreak over based on a complex set of criteria that involves our hospital and provincial baseline rates. We will continue to communicate the outbreak status.

## 4. What will happen when the outbreak is over?

# The Bluebird of Happiness



# Public Health Ontario: PIDAC

# Annex C:

Testing, Surveillance and Management of Clostridium difficile

In All Health Care Settings

Provincial Infectious Diseases Advisory Committee (PIDAC)

Revised: January 2013



# Prevention and Control Measures for CDI

There are two major components to successful control of CDI – effective infection prevention and control (IPAC) measures and antibiotic stewardship.

## A. IPAC Measures

Sustained control of CDI may be achieved with infection prevention and control measures directed at interrupting the horizontal spread of *C. difficile*. <sup>4, 5</sup> CDI prevention and control requires:

- a system for identification and prompt isolation of suspected or known CDI cases
- appropriate environmental services policies and procedures for CDI cases, including use of sporicides
- a hand hygiene program
- a system for disposal of faeces that prevents environmental contamination
- access to appropriate and timely laboratory testing.

## Initiation of Contact Precautions

In addition to Routine Practices, Contact Precautions should be initiated by any regulated health care provider (e.g., physician, nurse) at onset of diarrhea and prior to receipt of *C. difficile* test results.

Contact Precautions should also be initiated when:

- there is a suspected or confirmed case of CDI
- there is toxic megacolon or pseudomembranous colitis.

While the majority of patients with CDI have diarrhea, some cases of CDI may present with isolated elevations in white blood cell count and ileus.<sup>34</sup>

Discontinuation of precautions should only be done under the direction of Infection Prevention and Control.

Refer to PIDAC's Routine Practices and Additional Precautions in All Health Care Settings for more information regarding Contact Precautions. Available at:

http://www.oahpp.ca/resources/pidac-knowledge/best-practice-manuals/routine-practices-and-additional-precautions.html.

## Accommodation

Decision-making regarding accommodation for patients/ residents with CDI is based on the mode of transmission of *C. difficile* (i.e., contact spread of *C. difficile* spores) and the patient/ resident's

# A-Z Index A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #

# Healthcare-associated Infections (HAIs)

## Healthcare-associated Infections

HAIs: The Burden

Monitoring HAIs

Types of Infections

Central Line-associated Bloodstream Infections

## Clostridium difficile Infection

Patients

Clinicians

FAQs about C. difficile for Healthcare Providers

C. difficile Excerpt

Facilities/Settings

State Health Departments

Surgical Site Infection

Catheter-associated Urinary Tract Infection

Ventilator-associated Pneumonia

Diseases and Organisms

Preventing HAIs

Healthcare-associated Infections > Types of Infections







# Clostridium difficile Infection

People getting medical care can catch serious infections ca While most types of HAIs are declining, one - caused by the high levels. C. difficile causes diarrhea linked to 14,000 An are people, especially older adults, who take antibiotics and guidelines and tools to the healthcare community to help as provides resources to help the public safeguard their ow

## Resources for...



General information for you and your family about Clostridium difficile, FAQs, resources

FAQs, guidelines and recommendations, CI expert commentaries...



## Facilities/Settings

Clostridium difficile infections tools, evaluation environmental cleaning tools...

INFRICTION CONTRIBE AND RUSPITSE SPINSMOODDER. MAY 2010, VOL. 3L. NO. 5

## SHEA-IDSA GUIDELINE

Clinical Practice Guidelines for Clostridium difficile Infection in Adults: 2010 Update by the Society for Healthcare Epidemiology of America (SHEA) and the Infectious Diseases Society of America (IDSA)

Stuart H. Cohen, MD: Dale N. Gerding, MD: Stuart Johnson, MD: Claran P. Kelly, MD: Vivian G. Loo, MD: L. Clifford McDonald, MD; Jacques Pepin, MD; Mark H. Wilcox, MD

Since publication of the Society for Healthcare Epidemiology of America position paper on Closridium difficile infection in 1995, significant changes have occurred in the epidemiology and treatment of this infection. C. difficile remains the most important cause of healthcareassociated diarrhea and is increasingly important as a community pathogen. A more virulent strain of C. difficile has been identified and has been responsible for more-severe cases of disease worldwide. Data reporting the decreased effectiveness of metronidazole in the treatment of severe disease have been published. Despite the increasing quantity of data available, areas of controversy still exist. This guideline updates recommendations regarding epidemiology, diagnosis, treatment, and infection control and environmental manageme

Infect Control Hair Exidensial 2010; 31(5):431-455

## EXECUTIVE SUMMARY

This guideline is designed to improve the diagnosis and management of Clostridium difficile infection (CDI) in adult patients. A case of CDI is defined by the presence of symptoms (usually diarrhea) and either a stool test positive for C. difficile texins or texigenic C. difficile, or colonoscopic or histopathologic findings revealing pseudomembranous colitis. In addition to diagnosis and management, recommended methods of infection control and environmental management of the pathogen are presented. The recommendations are based on the best available evidence and practices, as determined by a joint Expert Panel appointed by SHEA and the Infectious Diseases Society of America (IDSA) (the SHEA-IDSA Expert Panel). The use of these guidelines can be impacted by the size of the institution and the resources, both financial and laboratory, available in the particular clinical setting,

I. Epidemiology: What are the minimum data that should be collected for surveillance purposes and how should the data be reported?

1. To increase con use available standard of (1) healthcare for CDI: (2) community community-associate 2. At a minimum

- HCF-associated CDI to detect outbreaks 3. Express the rate number of cases per 4. If CDL rates ar
- facilities or if an outh location in order to IL Diagnosis: What is

CDI in the clinical labe options? 5. Testing for C.

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## **APIC Implementation Guide**

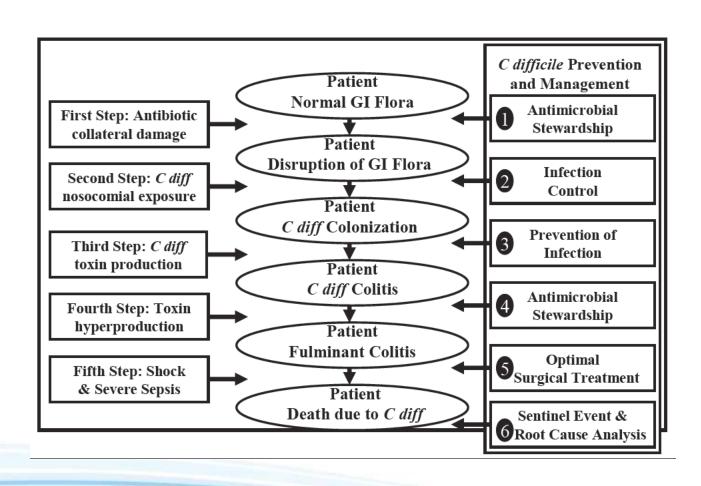
# **Guide to Preventing** Clostridium difficile Infections





APIC's mission is to create a safer world through prevention of infection. The association's more than 14,000 members direct infection prevention programs har save lives and improve the bottom line for hospitals and other healthcare facilities. APIC advances its mission through patient safety, implementation science, competencies and certification, advocacy, and data standardization.

# Your opportunities to intervene



# Committing to change: C.diff toxin testing

- 2012 Meridian toxin (EIA) testing
  - Jan 9 June 17, 2013 added GDH

- ✓ EIA negative & GDH negative = NEG
- ✓ EIA negative & GDH positive = send for PCR

# Committing to change: GO PUBLIC

Multipronged Approach in Reducing Rates of Nosocomial CDI Cases in a Facility-Wide Outbreak with the Implementation of the CDI Toolkit.

Lakeridge Health Infection Prevention and Control Team

Lakeridge Health, Oshawa, Ontario, Canada

Issue: Clostridium difficive infection (CDI) ranges from mild diarrhea to severe illness such as pseudomembranous colitis and toxic mega colon. Failure to recognize risk, symptoms and initiate prompt management can lead to possible transmission. Several tools had been developed at our hospital to help mitigate the risk of CDI and prevent transmission, but these were not well utilized.

# Clostridium difficile Infection (CDI) Suspected or Confirmed Toolkit

## Clinical Tools (Front Line Staff)

Suspected/Confirmed Clostrigium difficile Toolkit Checklist

STEP ONE: C. difficir infection (CDI): What to Chart, What to Test

STEP TWO: C difficir infection (CDI) Suspected or Confirmed Algorithm

STEP THREE: Assessing and Managing Risk for C. difficile Infection (CDI)

STEP FOUR: Pre-printed Order Contridium difficie Infection (CDI) Suspected or Confirmed

STEP FIVE: C difficile Infection-Staff Education Pamphlet.

C difficire Fact Sheet (Patient & Visitor Information)

Information about isolation Precautions for Patients & Visitors

Antibiotic-Associated Diarrhea Handout

# Managerial Toolkit (Patient Care Managers/Specialists or Delegate)

## SPOT CHECK TOOLS:

1) SPOT CHECK for CD(/Undiagnosed Diarrhea Patient Management

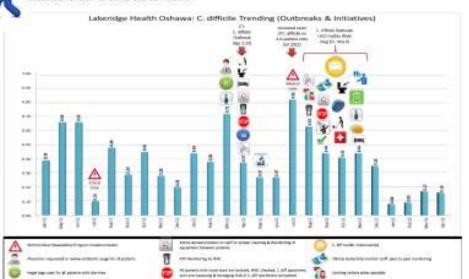
2) SPOT CHECK for isolated Patient Management as an appropriate



Project: During our facility outbreak for CDI, these previous tools were assembled together into a bundle known as the CDI toolkit. This toolkit was intended for clinical staff to identify risks and early signs and symptoms of suspected CDI cases to manage them appropriately with the initiation of early infection prevention measures, treatment and cleaning protocols. During the outbreak, an incident Management Team was mobilized with senior management. This team helped disseminate accountability to the unit leadership to implement this CDI toolkit. The unit leadership were given audit tools to measure its' utilization.

Results: With this multipronged approach in the implementation of the CDI toolkit, we were able to measure a sustained decrease in transmission. It is too soon to determine the long term effect on noscoomial CDI rates but have seen a decline in transmission rates which in turn shortened the duration of the outbreak.

Lessons Learned: Senior management support and the use of audit tools were instrumental in achieving success with the uptake of the CDI tookit by putting the accountability to unit leadership. The shift of accountability made it feasible for staff to utilize the CDI tookit.



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# Committing to change: GO PUBLIC





HAI WATCHDOG\* Awards



# Welcome to the Home for the HAI WATCHDOG\* Awards!

Healthcare facilities everywhere continue to make strides in preventing HAIs, thanks to the innovative and effective techniques of dedicated healthcare professionals. Kimberly-Clark created the HAI WATCHDOG\* Awards in recognition of HAI champions who are making a difference in reducing and preventing these serious, often life-threatening infections

Sign in or Register now



The 2014 HAI WATCHDOG\* Awards are now open. Select "Submit for an Award" to the left for details on how to submit your entries.

And the US winners are...

Check out the 2013 HAI WATCHDOG\* Award winners and honorable mentions in your region below. Congratulations to all those who participated!

## USA/Canada

# First place:

- More than 300 Beds: UC Davis Medical Center
- Patient HAI Education Initiative: Huntsville Hospital
- Environmental Services: NYU Langone Medical Centers
- Fewer Than 300 Beds: Wilmington Hospital, Christiana Care Health System
- Health System: Christiana Care Health System

# Honorable mentions:

- Fewer Than 300 Beds: Methodist Willowbrook Hospital
- Clinician's Choice: Specialty Hospital Washington, Hadley
- Health System: Georgia Regents Medical Centers
- . More than 300 Beds: Lakeridge Health Oshawa

# Committing to change: GO PUBLIC

HAI (HealthCare Associated infection) WATCHDOG AWARD:

"Kimberly-Clark created the HAI WATCHDOG Awards in recognition of HAI champions who are making a difference in reducing and preventing serious, often life-threatening infections.

Applicants are scored based on innovation and impact of the program in reducing Health Care Associated infections.

The panel of judges are comprised of professionals from the healthcare industry with expertise in infection prevention". Lakeridge Health entered the C difficile Toolkit along with trending data to show the reduction in C difficile infection rates. We received the second highest score of 29 entries received from across North America and the UK.

# Celebrating (and a free lunch?)

Keeping Lakeridge Health safe is a top priority for the Infection Prevention and Control team and their efforts to stop the spread of hospital-acquired infections have led to an international honour. The HAI WATCHDOG Awards presented the IPAC team with an honourable mention for developing the C. difficile toolkit, which helps clinical staff identify and manage patients with potential or confirmed C. diff.

In the last year, C. diff rates across Lakeridge Health have dropped dramatically. The toolkit is one resource staff and doctors can use to keep C. diff at bay. It includes information on the signs and symptoms of C. diff and assists clinical staff in making critical decisions about the care of a patient with C. diff and those around them.

"We've seen a dramatic drop in infections because of the work we've been doing with this toolkit," says Dr. Dan Ricciuto, lead Infection Prevention and Control doctor.

The HAI WATCHDOG Awards recognize healthcare facilities that strive to prevent hospital-acquired infections (HAI) through the innovation and effective efforts of dedicated healthcare professionals.

"We're proud to receive this honour and we want to share it with everyone at Lakeridge Health who does their part to prevent reduce C. difficile infections," says Judy McCarten, Infection

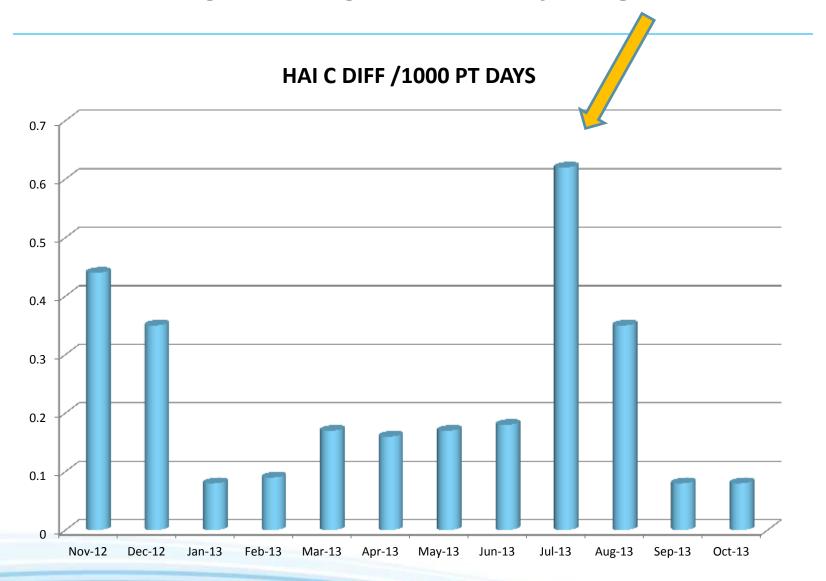
Practitioner. "Many staff have incorporated parts of the toolkit into

# IPAC Honoured for Fight Against C. diff



Michelle Dudar (right) from the Kimberly-Clark Corporation presents an HAI Watchdog

# Committing to change: don't let your guard down



# Is this an Outbreak?

**OG7: Nap 2** 

**OG7:** Pattern A

**OG7: Nap 4** 

**ICU: Pattern B** 

# Committing to change:

# A year later ... finding the gaps:

- ♦ Improving documentation (The Bristol Stool Chart)
- ♦Sporacidal (cleaning everywhere?)
- ♦ Treating all positive lab results (wait, what?)
- ♦STOP sending urine for C/S (does the smell tell?)
- ♦ Why is everyone on lactulose?
- **♦**Toilet brushes
- ♦Patient Hand Hygiene

# **BRISTOL STOOL CHART**

Type 1



Separate hard lumps, like nuts (hard to pass)

Type 2



Sausage-shaped but lumpy

Type 3



Like a sausage but with cracks on the surface

Type 4



Like a sausage or snake, smooth and soft

Type 5



Soft blobs with clear-cut edges

Type 6



Fluffy pieces with ragged edges, a mushy stool

Type 7



Watery, no solid pieces. **Entirely Liquid** 

The Bristol stool chart was developed by Dr. Ken Heaton at the University of Bristol and first published in 1997.

# **IPAC HUDDLES**

√15 minutes daily

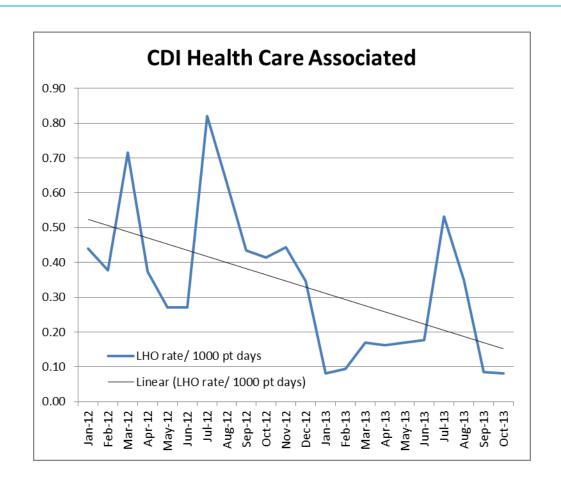
✓ White board tracking

✓ Agenda items

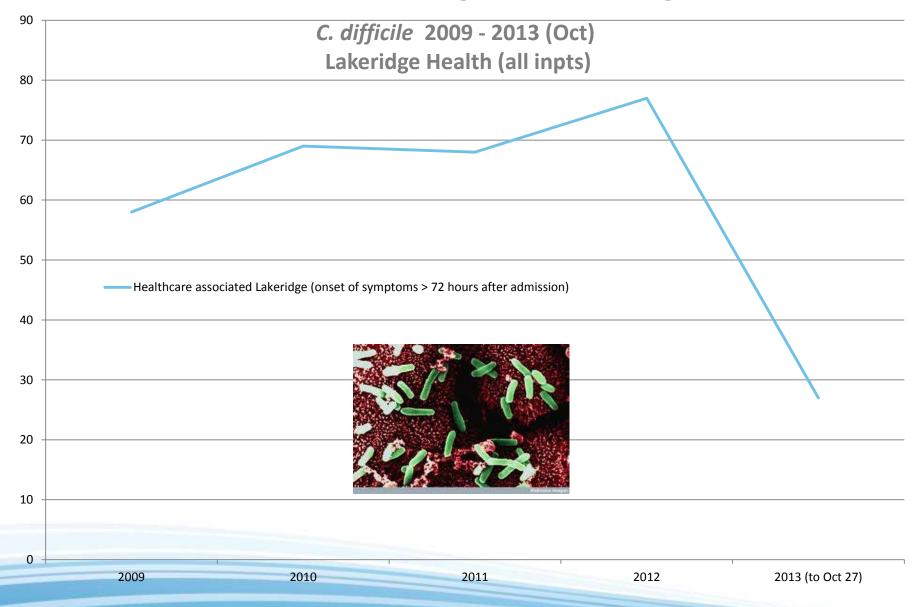
# Committing to Change

# ANTIMICROBIAL STEWARDSHIP Team of 3!

# Committing to Change



# Committing to Change





# Where is your bar?



# FORGET AWESOME

# YOU CAN MAKE!!!