Infection Control Training and Education
How to make it count.

Project Firstline is a national collaborative led by the U.S. Centers for Disease Control and Prevention (CDC) to provide infection control training and education to frontline healthcare workers and public health personnel. National Association of County and City Health Officials (NACCHO) is proud to partner with Project Firstline to host the NACCHO Healthcare Infection Prevention and Control Summit (Summit), as supported through CDC Grant # 6NU38OT00306-03-05. CDC is an agency within the Department of Health and Human Services (HHS). This presentation is being hosted as part of the Summit; the contents of this presentation and Summit do not necessarily represent the policies of CDC or HHS and should not be considered an endorsement by the Federal Government.
Introduction

Jess Danko, MS, RRT, LTC-CIP
Rebecca Sime, RN
Objectives

• Identify how to utilize Project Firstline Resources in the setting and department you work within.
• Discover new avenues to provide infection control education.
• Understand opportunities to enhance infection control programs through interaction.
• Recognize common areas of infection control risks identified in infection control assessment and response.
On average, how long before you lose the attention of your audience?
Looking at infection control through a new lens.

What does that mean?
Stand Out

Props
Visualizations
Games
Interactions
Music
Laughter
What we do

• Lead South Dakota Project Firstline
  ▪ Trainings-virtual & in person
  ▪ Monthly Office Hours and Newsletter
  ▪ Promotion
    o Podcast
    o Magazines
    o Social Media
    o Outreach-conferences, networking, collaborations
• Proactive Infection Control Assessment and Response (ICAR’s)
Why we talk about germs

### ENVIRONMENTAL SURVIVAL OF KEY PATHOGENS ON HOSPITAL SURFACES

<table>
<thead>
<tr>
<th>Pathogen</th>
<th>Survival Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. aureus (including MRSA)</td>
<td>7 days to &gt;12 months</td>
</tr>
<tr>
<td>Enterococcus spp. (including VRE)</td>
<td>5 days to &gt;46 months</td>
</tr>
<tr>
<td>Acinetobacter spp.</td>
<td>3 days to 11 months</td>
</tr>
<tr>
<td>Clostridium difficile (spores)</td>
<td>&gt;5 months</td>
</tr>
<tr>
<td>Norovirus (and feline calicivirus)</td>
<td>8 hours to &gt;2 weeks</td>
</tr>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>6 hours to 16 months</td>
</tr>
<tr>
<td>Klebsiella spp.</td>
<td>2 hours to &gt;30 months</td>
</tr>
</tbody>
</table>
Presentations and ICAR
Is there a difference between cleaning and disinfection?
Cleaning vs Disinfection

**Cleaning:** REMOVAL OF FOREIGN MATERIAL (SOIL, DUST, ORGANIC MATERIAL) FROM OBJECTS AND IS NORMALLY ACCOMPLISHED USING WATER WITH DETERGENTS.

**Disinfection:** ELIMINATION OF MANY OR ALL PATHOGENIC ORGANISMS EXCEPT BACTERIAL SPORES. SURFACES MUST BE CLEANED BEFORE THEY ARE DISINFECTED.
Cleaning & Disinfection
When disinfecting, what does contact time mean?
How to read a label

How to Read a Disinfectant Label

- Active Ingredients: What are the active disinfecting chemicals?
- EPA Registration Number: In U.S., ensure that all disinfectants be registered with EPA.
- Directions for Use: What are the instructions for use of the disinfectant?
- Precautionary Statements: What are all the precautionary statements that accompany this use of the disinfectant?
- Contact Time: How long does the surface need to stay wet with the disinfectant to kill germs?
- Signal Words: What are the signal words (Caution, Warning, Danger) and their meanings?
- First Aid: What should I do if I get the disinfectant in my eyes or mouth, on my skin, or if it's inhaled?
- Storage & Disposal: How should the disinfectant be stored? How do I dispose of expired disinfectant? What should I do with the container?

Alcohol Free
- 3 min Contact Time

High Alcohol (55%)
- 2 min Contact Time

Bleach
- 4 min Contact Time
ICAR Findings

- Missing Labels
- Non-healthcare grade
- No safety data sheets
- Not labeled
- Use of noncommercial containers
- Expired Cleaning Products
ICAR Findings

- Staff Beverages
- Open Cleaning Wipes
- Toilet Brushes
- Dirty Carts and Wet Floor Signs
- Feather Dusters
- Buckets of Water with Cleaning Detergent
According to the CDC, what is the preferred method of hand hygiene in most clinical situations?
Hand Hygiene

**HAND SANITIZER**

- Alcohol-based Hand Sanitizer
  - Use an alcohol-based hand sanitizer that contains **at least 60% alcohol**. Supervise young children when they use hand sanitizer to prevent swallowing alcohol, especially in schools and childcare facilities.
  - Put **enough sanitizer on your hands to cover all surfaces**.
  - Rub your hands together until they feel dry (this should take around 20 seconds).
  - Do **NOT** rinse or wipe off the hand sanitizer before it’s dry; it may not work well against germs.

**WASHING WITH SOAP AND WATER**

1. Wet your hands with **clean, running water** (warm or cold), turn off the tap, and apply soap.
2. Lather your hands by rubbing them together with the soap. Lather the backs of your hands, between your fingers, and under your nails.
3. Scrub your hands **for at least 20 seconds**. Need a timer? Hum the “Happy Birthday” song from beginning to end twice.
4. Rinse your hands **well under clean, running water**.
5. Dry your hands using a clean towel or an air dryer.

www.cdc.gov/handwashing/soap.html
www.cdc.gov/handwashing/handhydrant.html

18
ICAR Findings

- Expired
- No Drip Pans
- Need Cleaned
- Do Not Work
- No Product
- Lack of Dispensers
- Broken
Hand Hygiene

Black light and glow rub
Who we work with
Emergency Medical Services and First Responders
Health Occupation Students of America (HOSA)
Environmental Services (EVS)
• Healthcare Facilities
  ▪ Hospitals
  ▪ Clinics
  ▪ Long term care
  ▪ Assisted livings

• Congregate Living Locations
• Dental Facilities
• Community Health Workers
• Community Health Representatives
Collaborative Partners

HAI Coordinator
SD Department of Health
Great Plains Tribal Health Leaders Board
SD Nurses
SD Dental Hygiene
SD Family Practice Providers
SD Respiratory Care Association
SD Association for Healthcare Organizations
SD Healthcare Association
SD Association for Healthcare Quality
South Dakota Community Health Worker Collaborative
HQIC COMPASS
Great Plains Quality Innovation Network
Promotion and Outreach
WE ARE HERE FOR YOU:
PROJECT FIRSTLINE EXPANDS IN SOUTH DAKOTA

Two new Project Managers have been added to Project Firstline in SD. Diane Edle and Jess Dunckle will join Denni Fast, Project Manager and Charlotta Holter, Director of Marketing.

Project Firstline is a national infection control collaborative with the Centers for Disease Control and Prevention (CDC) to stop the spread of COVID-19 and other emerging infectious diseases. Its focus is on infection prevention training for frontline healthcare workers.

"The CDC has provided great educational information about infectious diseases with innovative content that includes vibrant colorful posters, easy to understand videos, cool social graphics and tips on infection prevention this summer," says Edle. "Best of all, they are free."

Everyone can benefit from the CDC education and the new materials according to Edle. "The education can’t stop; we must keep learning as infectious diseases are always evolving."

"It is great for a business to educate staff on staying healthy and great for the public awareness to help everyone stay protected from infectious diseases," adds Edle.

The South Dakota Foundation for Medical Care administers the Project Firstline program statewide, in partnership with the SD Department of Health and the CDC.

New CDC training videos and resources on infection control are available at: www.sdprojectfirstline.org

SOUTH DAKOTA
Foundation for Medical Care

MAKING AN IMPACT!
SOUTH DAKOTA
Foundation for Medical Care

IMPROVING LIVES:

• 20 statewide projects, including SD Project Firstline
• A dedicated team of professionals on staff
• 500+ physician members

That’s how we’re making a better SD. Here, there, everywhere.

Visit www.sdpmc.org to learn more! 605-336-3505

DID YOU KNOW?
GERMS LIVE ON THE SKIN.

• Hand hygiene
• Cleaning and disinfection
• Covering cuts, wounds

REDUCE THE RISK!

LEARN MORE

@Projectfirstline.sd info@sdph.org 605.224.2821

SDCC Infection Control Resources:
For Healthcare Workers:
Take the CDC Project Firstline training!
Short Training Modules, Videos, CME Credits.
For everyone:
Interactive projects, social media graphics 

WE are Project Firstline.

PROJECT FIRSTLINE
CDC’s National Training Collaborative
for Healthcare Infection Prevention & Control

Print Media
Podcast
Social Media
Networking
Conferences
Project Firstline Resources and Tools
How to use the videos
How to use the videos
Visual Education
Let's find the toolkits

https://www.cdc.gov/infectioncontrol/projectfirstline/index.html

- Scroll down the page, click on “access” in “educational materials” box

- Scroll down the page, click “training toolkits”
Let's find the toolkits

Session 1:
What Does it Mean to Recognize A Risk?

Session Plan: Recognizing Risk

Session 2:
How Germs Make People Sick

Session Plan: How Germs Make People Sick [PDF – 21 Pages]

Session 3:
Recognizing Risk Using Reservoirs: A Review

Session Plan: Recognizing Risk
What's Wrong with this picture?

Healthcare workers need to be extra aware of where germs are found and how they can be spread to surfaces and people. We can help stop infections when we recognize the risk for germs to spread!

In this image of a nurses station, select four problems that need to be fixed to reduce the spread of germs.
Visual Education and Interaction Using Infographics

**GERMS CAN LIVE IN THE RESPIRATORY SYSTEM.**

*WHERE IS THE RISK?*
- Know where germs live to stop spread and protect patients

**Bacteria and Viruses Can Live in the:**
- Nose
- Throat
- Airways
- Lungs

**Healthcare Tasks Involving the Respiratory System:**
- Assist or carry patients or equipment
- Assessment of patients
- Procedures involving the mouth or nose
- Procedures involving the throat

**Infection Control Actions to Reduce Risk:**
- Proper hand hygiene
- Use of personal protective equipment
- Environmental cleaning
- Patient isolation

**Partner Spotlight**

**SOUTH**

**PROJECT FIRSTLINE**

**DAKOTA**

**SCAVENGER HUNT**

The South Dakota Scavenger Hunt was created as an interactive opportunity for healthcare facilities in South Dakota to promote awareness of innovative and successful trainings using Project Firstline educational materials.
What is wrong in this picture?
November 2023 Newsletter

Project Firstline Offers 3 Micro-Learns to Help Stop the Spread of Germs in Healthcare

Micro-Learns are a series of guided discussions that connect infection control concepts to immediate, practical value, so healthcare workers can recognize infection risks and take action to stop the spread of germs. They are short, adaptable, and can easily be used in your facility to train and educate staff.

November’s Micro-Learn “Cough and Congestion”

A cough by itself can be caused by many things. A cough accompanied with congestion, a stuffy or runny nose, runny eyes, a hoarse voice is often caused by a virus.

Viruses spread quickly when infected persons talk, breathe, cough or blow air out of their nose or mouth. One person can infect multiple people very quickly. Some viruses don’t cause major problems for healthy persons, but they can cause harm to vulnerable persons.

Protect yourself and others by utilizing masks or respirators, adhering to hand hygiene, and cleaning and disinfecting. When possible, isolate the infected person, have them wear a mask, and ensure proper room ventilation.

Discuss with staff. What do you do when you see someone who has cough and congestion? Do you worry about catching something? Do you have all the tools you need here? How can we do better as a team?

Office Hours Call Link:

Join us! Office hours are the 2nd Wednesdays of each month at 11:00 am CST. Each month we focus on an Infection Prevention Tip. Learn, share, network!

The South Dakota Foundation for Medical Care is inviting you to a scheduled Zoom meeting. Join here:

https://us02web.zoom.us/j/8944913970?pwd=MVZzZG12aU9yYjQyNzVAYzY3eXJmZz09
Office Hours
Continuing Education Credits (CEU’s)

- Emergency Medical Services (EMS)
- Dental
Questions

• Jess.Danko@SDFMC.org
• Rebecca.Sime@SDFMC.org
Resources

- https://youtu.be/DTaelg1Ogb0
- https://www.cdc.gov/infectioncontrol/projectfirstline/index.html
- https://www.cdc.gov/infectioncontrol/projectfirstline/partnerships/activities.html
- www.sdprojectfirstline.org
- www.sdfmc.org
Thank you!