Recognizing Risk Using Reservoirs

Session 2

How Germs Make People Sick







Welcome

Agenda

- Welcome and Introductions
- How Germs Spread and Make People Sick
- How Can an Infection Occur?
- Bringing It Together
- Conclusion





Acknowledgement

This Project Firstline Presentation is brought to you by the North Dakota Department of Health (NDDoH), Division of Infectious Diseases and Epidemiology, and presented by NDDoH Infection Prevention Consultants.

All presenters have been trained on Project Firstline materials in correlation with the Centers for Disease Control and Prevention (CDC).





We want to get to know you!







INTRODUCTIONS



- Morgan Messer ASN, RN
- Jamestown, ND
- COVID-19 Nurse Consultant
- Project First Line Facilitator



Introductions

Insert photo here

- Carla Monica Cabahug BSN, RN
- Bismarck
- Infection Prevention Consultant
- Project Firstline Facilitator



How Germs Spread and Make People Sick







How Germs Spread





Video: How Germs Spread in Healthcare







Five Elements of How Germs Spread and Cause Infection







Reservoirs







Pathways







How Germs Spread in Healthcare: Four Main Pathways

- 1 Through touch
- When they're breathed in
- 3 Through splashes or sprays
- Through clinical care tasks that bypass or break down the body's natural defenses





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A Person to Infect

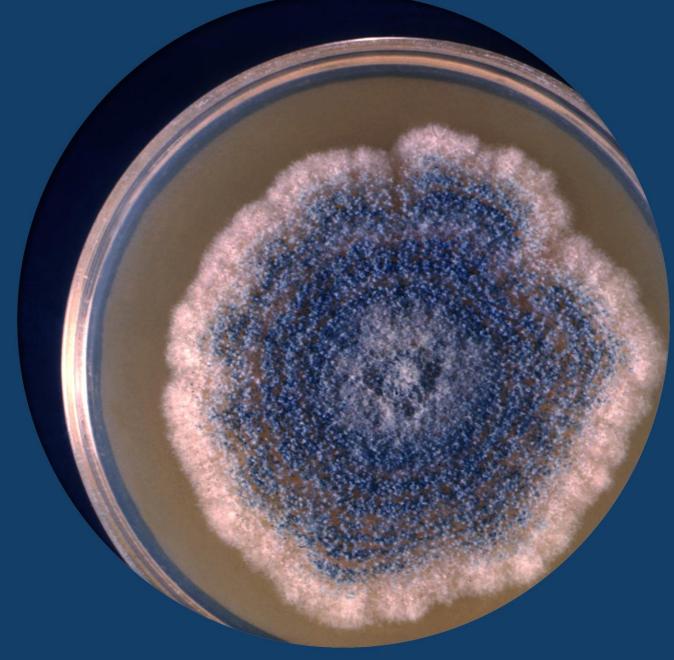
Getting around the Body's Defenses







Survival







Knowing Where Germs Live and How They Spread Helps You Recognize Risk







YouTube video: Infection Prevention is Everyone's Business



Video link: https://www.youtube.com/watch?v=SeaIY7kP2ul





How Can an Infection Occur?





Scenarios: How Can an Infection Occur?

- Example scenario:
 - Start with a germ and a reservoir.
 - Walk through the five elements of germ spread.
- Create your own scenario!





Example Scenario

How Germs Spread and Make People Sick

The germ is on the healthcare worker's hands (skin)

Reservoir



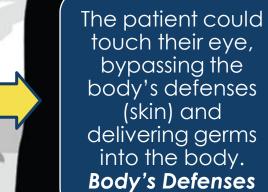
The healthcare worker could touch the patient's bed rail.

Pathway



The patient could touch the bed rail before it is cleaned and disinfected.

Person + Survival







Example Scenario

Strep on a Healthcare Worker's Hand



Reservoir: Healthcare worker's hand



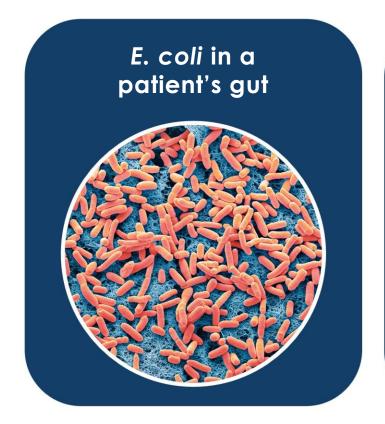
Five Elements:

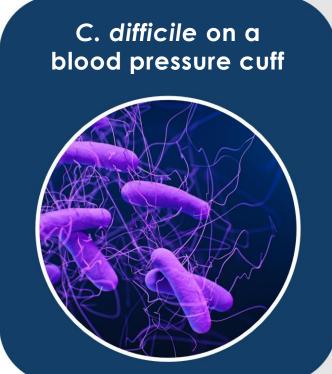
- 1. Reservoirs
- 2. Pathways
- 3. Person
- 4. Body's defenses
- 5. Survival

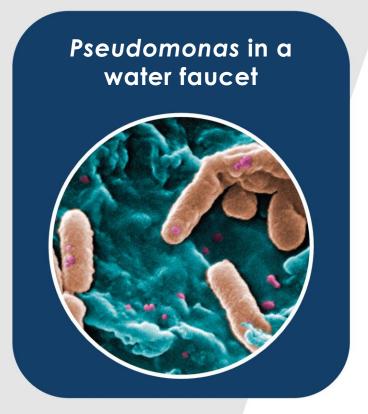




Create Your Own Scenario



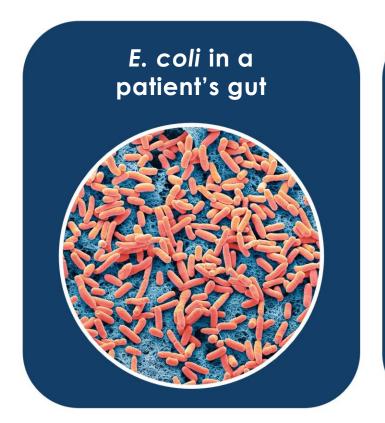




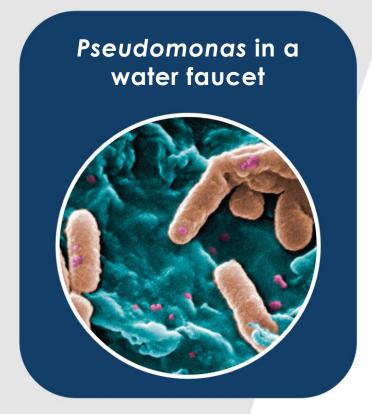




Scenario Summaries









Bringing It Together





Five Elements
of How Germs
Spread and
Cause
Infection

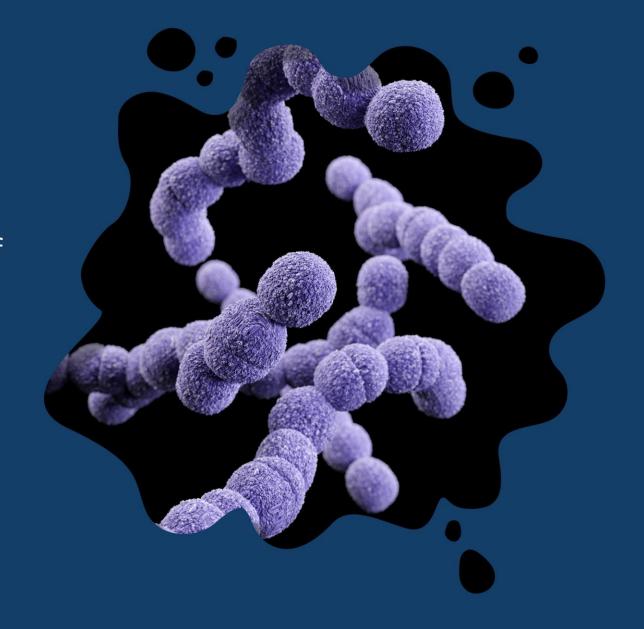






Reflection

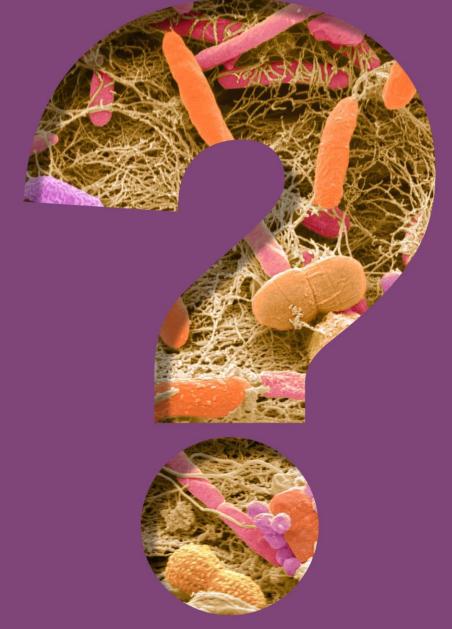
- Thinking about your daily work, can you identify any of your tasks that are related to any of the five elements?
- Jot down in your participant booklet two actions you can take to stop the spread of germs to you or your patients.







Questions







Conclusion





Key Takeaways

- ✓ Five elements for a germ to spread and cause an infection: reservoir, pathway, person to infect, getting around the body's defenses, survival.
- ✓ Infection control actions at any one of these key points stop germs from spreading and causing infection.
- Main pathways for germs to spread in healthcare: touch, breathing in, splashes or sprays, bypassing or breaking down the body's natural defenses.



How to Get Involved and Feedback

- Project Firstline on CDC:
 https://www.cdc.gov/infection-control/projectfirstline/index.html
- CDC's Project Firstline on Facebook: https://www.facebook.com/CDCProjectFirstline
- CDC's Project Firstline on Twitter: https://twitter.com/CDC Firstline
- Project Firstline Inside Infection Control on YouTube: https://www.youtube.com/playlist?list=PLvrp9iOILTQZQG tDnSDGViKDdRtlc13VX
- To sign up for Project Firstline e-mails, click here:

 https://tools.cdc.gov/campaignproxyservice/subscriptio
 ns.aspx?topic_id=USCDC_2104

- How Germs Spread in Healthcare video clip: https://www.cdc.gov/infecti oncontrol/projectfirstline/vid eos/HowGermsSpread-LowRes.mp4
- Project Firstline feedback form:
 https://www.cdc.gov/infectioncontrol/pdf/projectfirstline
 /TTK-ParticipantFeedback-508.pdf





Evaluation

Take the end of course evaluation for NDBON CEU certificate:

INSERT CUSTOM LINK HERE

If you are a room moderator for a group attending under one login, fill out the Group Attendance Form. EACH attendee will need to complete the evaluation form.

Submit all forms to dohpfl@nd.gov

Recordings can be found on: www.health/nd.gov/projectfirstline

Questions? Email us: dohpfl@nd.gov

Call us: (701)-328-2378





