TOPIC 12: ENVIRONMENTAL CLEANING & DISINFECTION

PROJECT FIRSTLINE
CDC'S National Training Collaborative for Healthcare Infection Prevention & Control

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Presenter: Katelyn Glatt, ADN, RN
Division of Infectious Diseases and Epidemiology
February 22nd, 2022

AGENDA

- Welcome
- Cleaning and Disinfection: What is the Difference?
- Why Cleaning and Disinfection Matter
- What is Contact Time?
- Reflection

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LEARNING OBJECTIVES

- Describe the difference between cleaning and disinfection.
- Discuss why it is important to follow the label instructions on a disinfectant product.

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 COVID-19 Nurse Consultants. All presenters have been trained on Project Firstline materials in correlation with the Centers for Disease Control and Prevention (CDC).

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INTRODUCTIONS

- Katie Glatt ADN, RN
- Bismarck, ND
- COVID-19 Nurse Consultant
- ICAR facilitator
- Project Firstline Facilitator

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INTRODUCTIONS

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

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INTRODUCTIONS

Please introduce yourself with:

- Your name
- Your role (e.g., organization, unit)
- Do you think cleaning and disinfecting is important in healthcare?

CLEANING AND DISINFECTION: WHAT'S THE DIFFERENCE?

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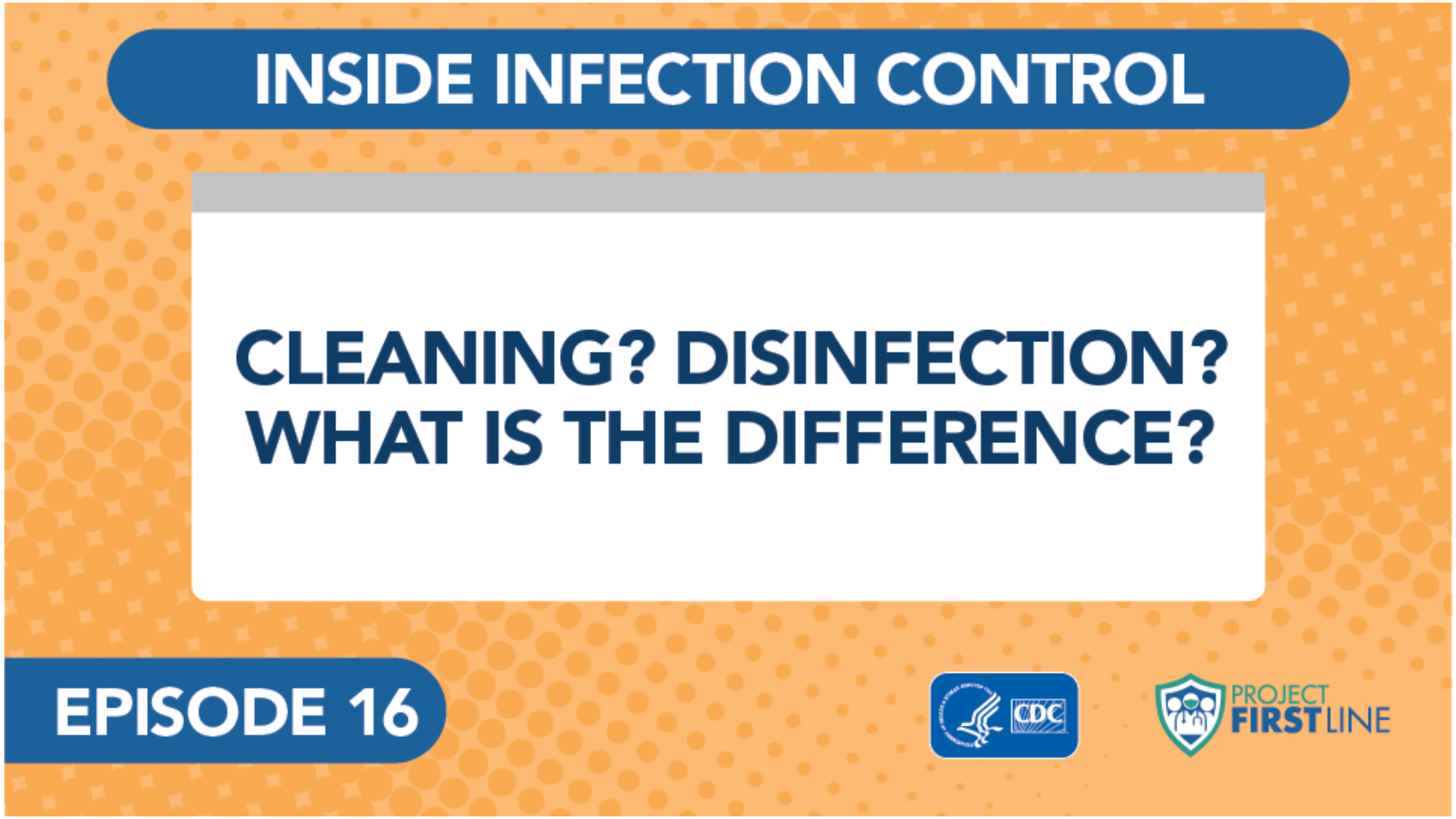

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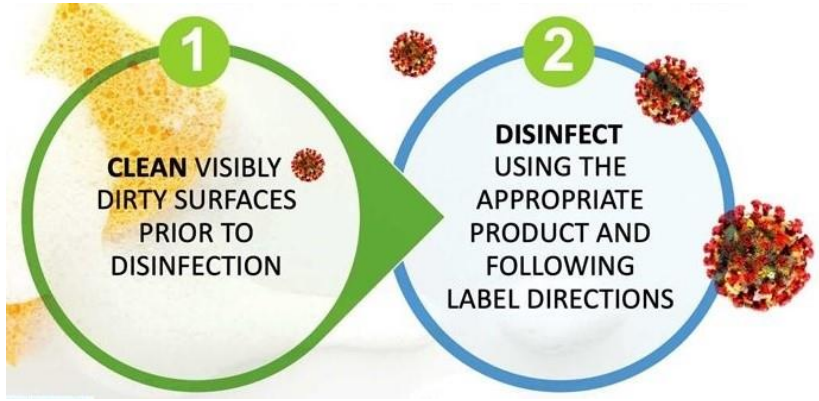
DEFINITIONS

Cleaning

Cleaning is a process that removes things like dust, dirt, grime, and other spills, smears, and everyday messes from surfaces, along with some germs.

Disinfection

Disinfection is a process that kills germs.



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WHY CLEANING AND DISINFECTION MATTER

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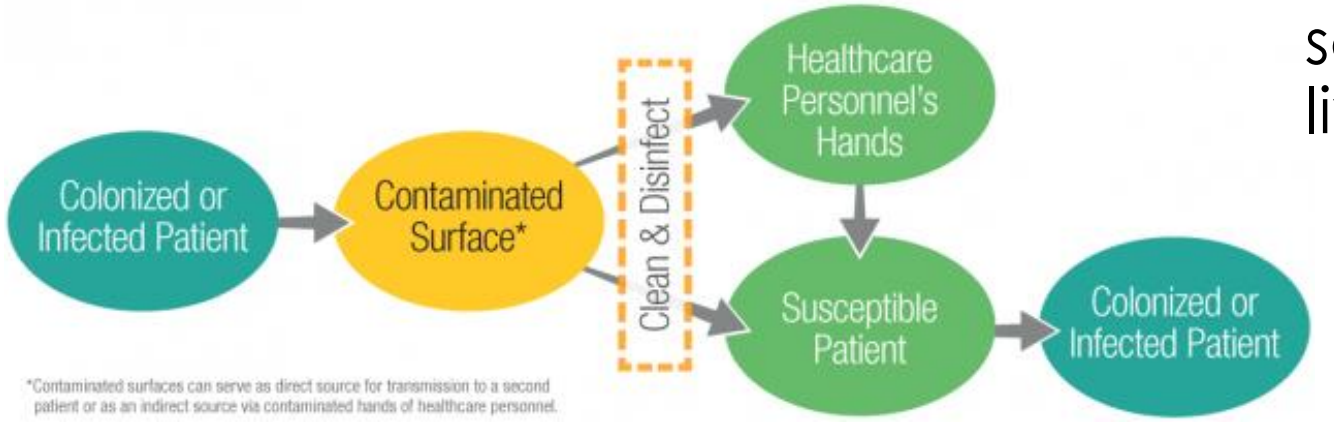
PATIENTS MAY HAVE WEAKENED IMMUNE SYSTEMS

In healthcare, we have patients who are ill or weak.



Why does that matter?

Germs are more likely to cause problems in these patients, because their immune defenses may not be the same as someone who is healthy and living at home.

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THE HEALTHCARE ENVIRONMENT SHOULD BE KEPT CLEAN

It is important to keep the healthcare environment clean to stop germs from spreading.

Where and When?

- Patient Rooms
- High-touch Surfaces
  - Bed rails
  - Keyboards
  - Light switches
- Surfaces and objects that often have a lot of germs on them
  - Toilet seats

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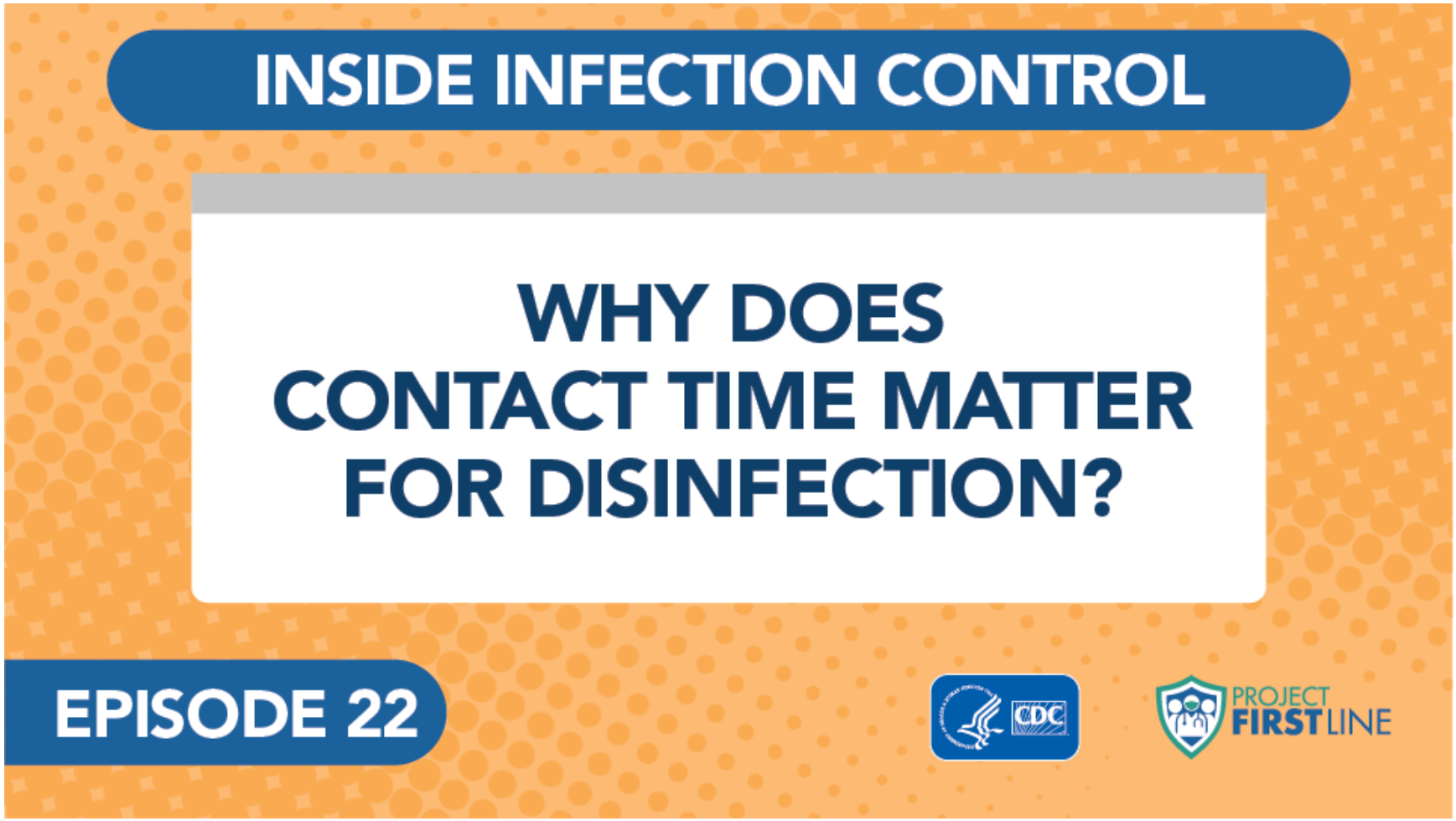
WHAT IS CONTACT TIME?



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DEFINITION

Contact Time

Sometimes called "dwell time," this is the amount of time a disinfectant needs to sit on a surface, without being wiped away or disturbed, to effectively kill germs.

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THE DISINFECTANT LABEL

What information do you need from a disinfectant's label?

1. Is the product EPA-approved?
2. On which surfaces can the disinfectant be used?
3. What germs has the disinfectant been proven to kill?
4. Should the product be diluted?
5. What is the contact time?

DOS AND DON'TS FOR DISINFECTION

Dos

- **Do follow the listed contact time.** This ensures items are disinfected to keep germs from spreading.

Don'ts

- **Don't rush** the process. Wait until contact time is complete before using objects or surfaces or before a new patient comes into a room.
- **Don't wipe** the surface to dry it faster.
- **Don't blow** on the surface to dry it faster.

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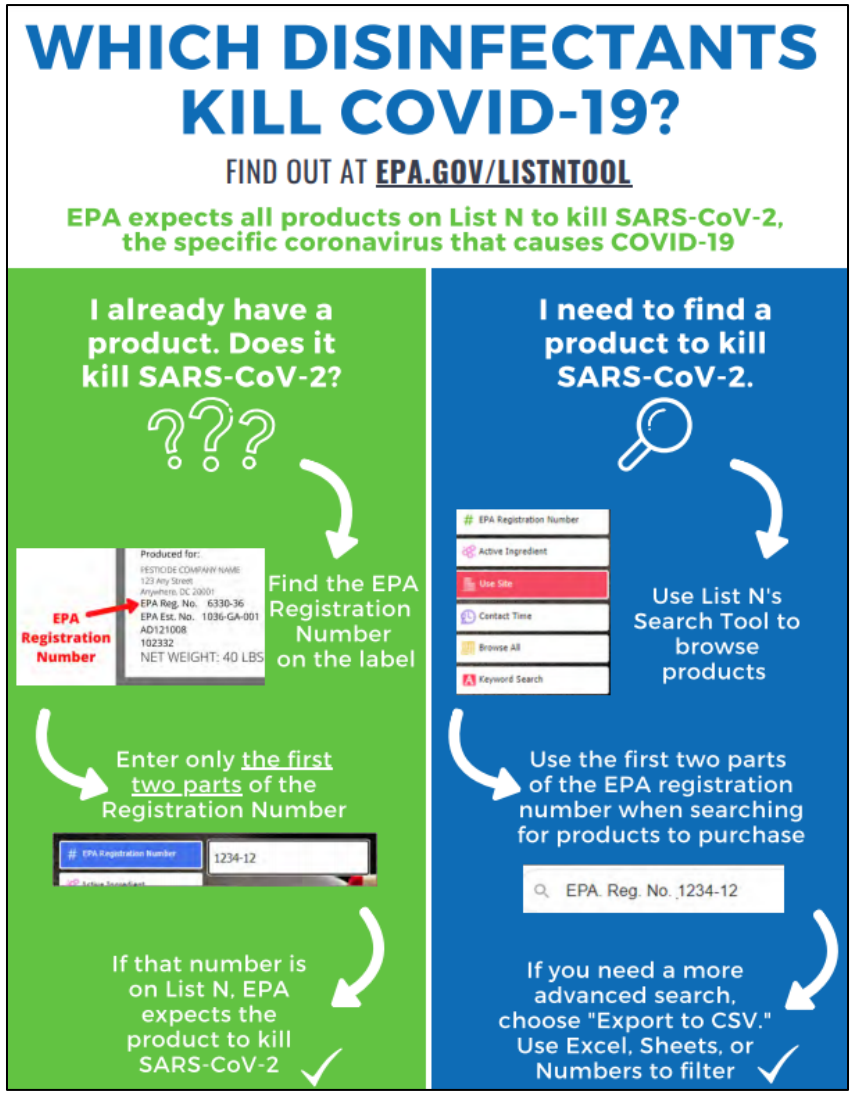
DISINFECTANTS THAT KILL SARS-CoV-2

EPA's **List N** is a searchable database that makes it easy to find products that kill SARS-CoV-2



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REFLECTION:
WHAT DID YOU LEARN TODAY?

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KEY TAKEAWAYS

- **Cleaning removes visible dirt,** dust, spills, smears, and grime, including organic material like blood, as well as some germs, from surfaces. It's important to clean before disinfecting because dirt and grime can make disinfectants not work as well.
- **Disinfecting kill germs** on surfaces or objects.
- It is important to **keep the healthcare environment clean to stop the spread of germs**.
- **Follow the instructions on the disinfectant label** – especially instructions for contact time.

Project Firstline Resources

Project Firstline on CDC:
https://www.cdc.gov/infection_control/projectfirstline/index.html

Project Firstline on Facebook:
https://www.facebook.com/CDCProjectFirstline/

Twitter:
https://twitter.com/CDC_Firstline

Youtube:
https://www.youtube.com/playlist?list=PLvrp9iOILTQZQGtDnSDGViKDdRtIc13VX

To sign up for Project Firstline e-mails, click here:
https://tools.cdc.gov/campaignproxyservice/subscriptions.aspx?topic_id=USCDC_2104

RESOURCES AND FUTURE TRAINING SESSIONS

Other Resources

CDC's Environmental Cleaning Evaluation Tools: https://www.cdc.gov/hai/prevent/prevention_tools.html#anchor_1561577385

CDC's Reduce Risk from Surfaces: https://www.cdc.gov/hai/prevent/environment/surfaces.html

EPA's Six Steps for Safe & Effective Disinfectant Use: https://www.epa.gov/sites/production/files/2020-04/documents/disinfectants-onepager.pdf

EPA's List N Tool: https://cfpub.epa.gov/giwiz/disinfectants/index.cfm

About List N: Disinfectants for Coronavirus (COVID-19): https://www.epa.gov/coronavirus/about-list-n-disinfectants-coronavirus-covid-19-0

Selected EPA-Registered Disinfectants: https://www.epa.gov/pesticide-registration/selected-epa-registered-disinfectants

List N - Infographic Which disinfectants kill COVID-19?: https://www.epa.gov/sites/production/files/2020-12/documents/list_n_how-to_infographic_final_0.pdf

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EVALUATION

Take the end of course evaluation for CEU certificate:
INSERT CUSTOM LINK HERE

If you are a room moderator for a group in attendance, fill out the Group Attendance Form. EACH attendee will need to complete the evaluation form.
Submit all forms to dohpfl@nd.gov for certificates.

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

Questions? Email us: dohpfl@nd.gov
Call us: (701)-328-2378

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