TOPIC 13: SOURCE CONTROL

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

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Presenter: Morgan Messer, ASN, RN
Division of Infectious Disease and Epidemiology

AGENDA

- Introductions

- What Is Source Control? Why Does It Matter?

- How Can Masks Stop Germs at the Source?

- Reflection

LEARNING OBJECTIVES

- Explain how source control keeps germs from spreading.

- Discuss one (1) reason why source control for COVID-19 focuses on masking.

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).

INTRODUCTIONS

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

INTRODUCTIONS

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

INTRODUCTIONS

- Your name
- Your role

Source control for COVID-19

Use of well-fitting cloth masks, facemasks, or respirators to cover a person's mouth and nose to prevent spread of respiratory secretions when they are breathing, talking, sneezing, or coughing.

- CDC source for the definition: https://www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-recommendations.html#source-control

What did we learn about **source control**?

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SOURCE CONTROL FOR COVID-19

For COVID-19, source control focuses on covering your nose and mouth with a mask to keep your respiratory droplets out of the air.

Why does that matter?

The main way that SARS-CoV-2, the virus that causes COVID-19, travels between people is through respiratory droplets that come out when an infected person talks, breathes, coughs, or otherwise blows air out of their nose or mouth.
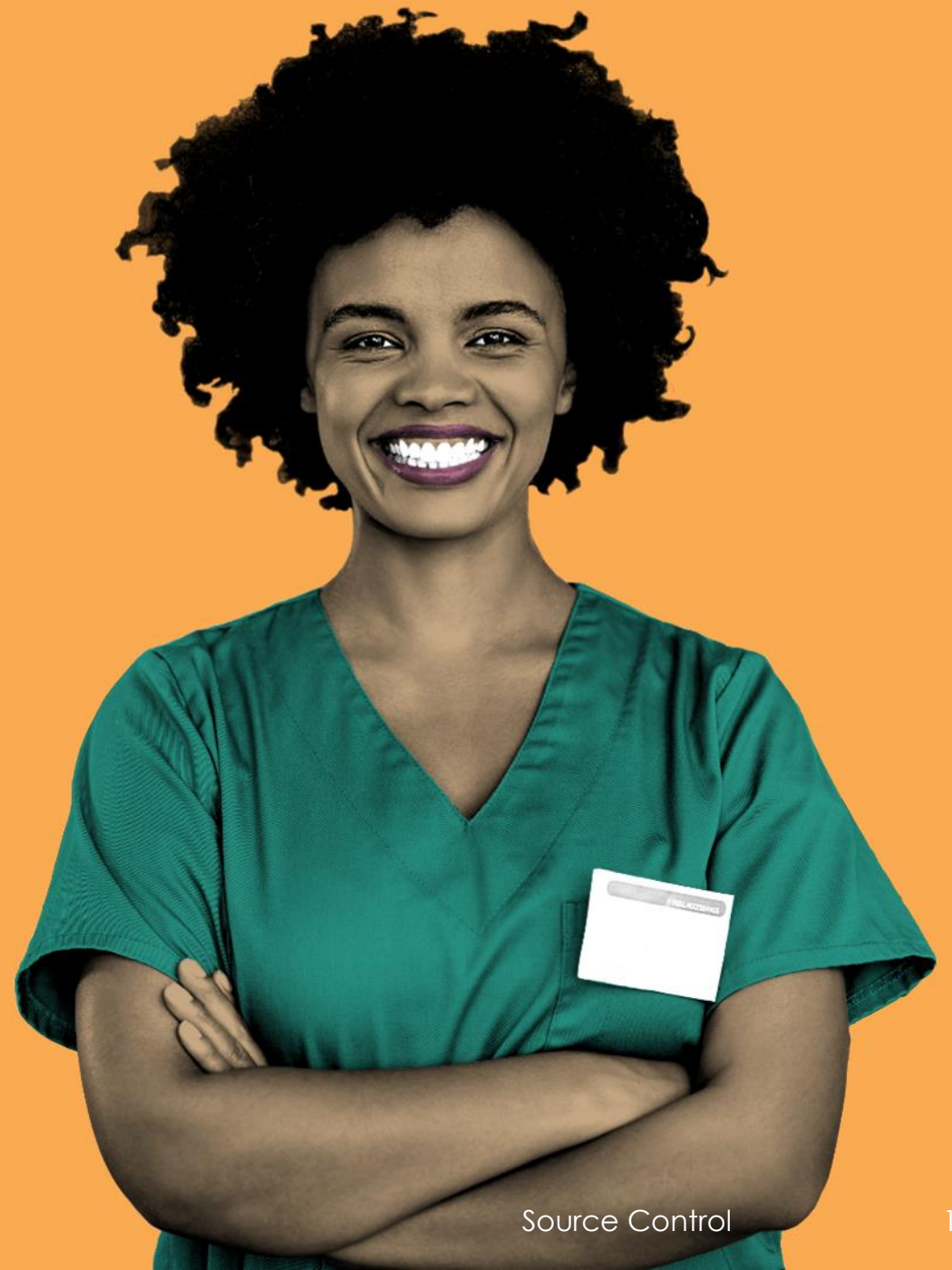
People who are infected with SARS-CoV-2 may not show symptoms and may not be aware that they have the virus.

Why does that matter?

They can still spread the virus to others through their respiratory droplets, which is why source control for COVID-19 is so important.

How can **masks** stop germs at the source?

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SOURCE CONTROL TIPS: MASKS

Wear a mask that

- Fits snugly around the cheeks and chin without gaps at the edges
- Covers your mouth and nose

- Healthcare workers should be donning new surgical masks at the start of shifts, if visibly soiled or torn, and after breaks.

Procedure mask modifications	Fitted Filtration Efficiency (FFE)	Image
Procedure mask with ear loops (no modifications)	38.5%	
With loops tied, corners tucked	60.3%	
With ear guard	61.7%	
With clawed hair clip	64.8%	
Fix-the-mask technique (rubber bands)	78.2%	
Nylon hosiery sleeve	80.2%	

- N95s protect you from breathing in respiratory droplets.

- Most N95s also block your respiratory droplets from being breathed out into the air.

REFLECTION

Questions?

KEY TAKEAWAYS

- Source control keeps germs from spreading by stopping them at their source, before they can spread to other people.

- Source control is an important tool to reduce the spread of COVID-19 and other respiratory infections as well as other diseases.

- For COVID-19, source control focuses on covering your nose and mouth with a mask to keep your respiratory droplets out of the air.

- Most N95 respirators used in healthcare not only protect you from virus that your patient is breathing out, but also protect your patients and your colleagues from germs that you might be breathing out.

RESOURCES AND FUTURE TRAINING SESSIONS

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=PLvrp9iOILTQZQGtDnSDGViKDdRtIc13VX

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

RESOURCES CONTINUED

Infection Control: Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) | CDC

https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/about-face-coverings.html

Infection Control: Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) | CDC

https://www.cdc.gov/coronavirus/2019-ncov/hcp/checklist-n95-strategy.html

https://www.epa.gov/sciencematters/epa-researchers-test-effectiveness-face-masks-disinfection-methods-against-covid-19

https://www.cdc.gov/coronavirus/2019-ncov/hcp/ppe-strategy/decontamination-reuse-respirators.html

https://www.cdc.gov/niosh/docs/2018-130/pdfs/2018-130.pdf?id=10.26616/NIOSHPUB2018130

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