

Topic 11: Ppe part 3 – Respirators



Agenda

- Introductions
- Video and Discussion
 - What is a Respirator?
 - What is an N95 Respirator?
- Reflection

Learning Objectives

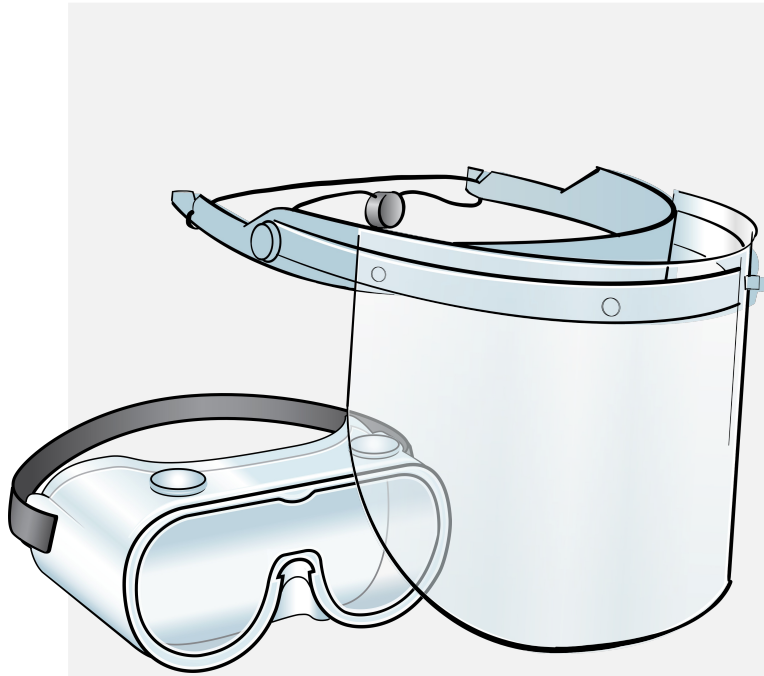
- Describe one (1) job of a respirator.
- Describe two (2) aspects of N95s that ensure they protect the wearer from inhaling very small particles.
- Explain one (1) way to perform an N95 user seal check and why it is important.
- Discuss two (2) possible actions you can take if a leak in the N95 is detected.

Introductions

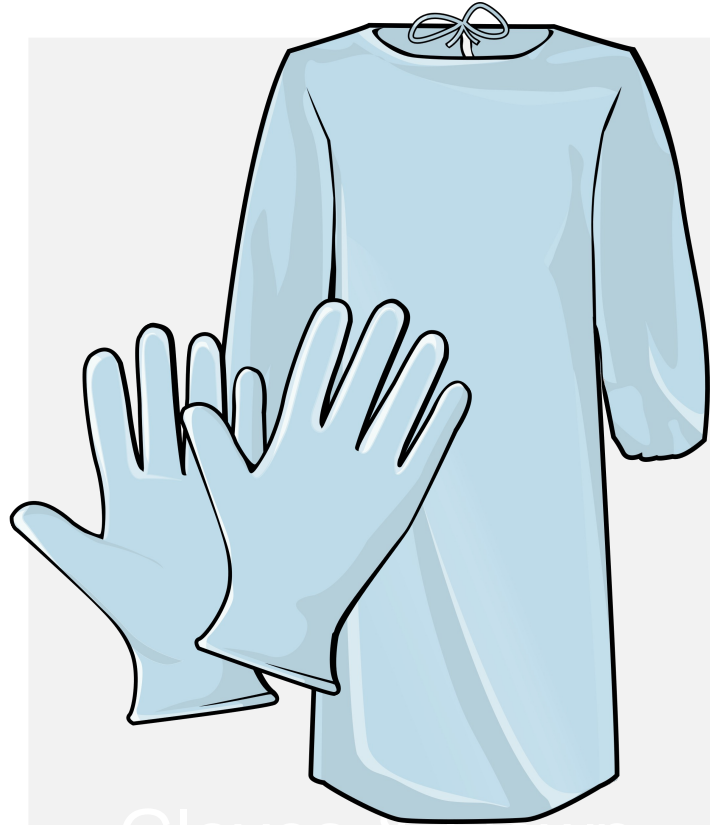
Please introduce yourself with:

- Your name
- Your role (e.g., organization, unit)
- Do you regularly wear respirators on the job?

Recommended PPE for COVID-19



Eye Protection



Gloves & Gown



Respirator

Respirators

While watching the video, jot down:

- A simple **definition** of a respirator
- **Three types** of respirators commonly used in healthcare

INSIDE INFECTION CONTROL

WHAT IS A RESPIRATOR?

EPISODE 13



What did you
learn about
respirators?



What is an n95 Respirator?

- **“N95” is a term used for certain respirators tested and approved for use in healthcare by the National Institute for Occupational Safety and Health (NIOSH).**
- N95s are designed to filter out certain sizes of very small particles in the air, including droplets, before the air reaches your mouth, nose, and lungs.
- Most N95s are also good at blocking your respiratory droplets from spreading to others, including any germs that you are breathing out.

How?

- N95s are made of a special filtering material that filters out at least 95% of very small particles in the air.
- N95s fit snugly and ensure the air you’re breathing in goes through the filter first and doesn’t leak in around the edges.

N95 User seal check

- A “**user seal check**” makes sure you have a good seal, because it’s possible to put on an N95 using the correct technique and still not have a good seal around all the edges.
- Most of the time, the best way to check the seal is with a “**positive pressure**” check: gently breathe out while blocking the paths where air might escape.
- If the pressure doesn’t build up, or there’s a leak, you can **mold the metal nose strip** to the bridge of your nose, or move the straps on the top and base of your head to get the best fit.

Reflection

Questions?



Key takeaways

- The job of a respirator is to keep you from breathing in things in the air that might hurt you, including germs.
- N95s, a type of respirator, are designed to filter out very small particles, including droplets, in the air.
- N95s work not only because of the filtering material but also because of how they fit, which ensures that all the air that you breathe in goes through the filter first and doesn't leak in around the edges.
- Do a “user seal check” every time you use your N95, because it is possible to put on an N95 using the correct technique and still not have a good seal around all the edges.

Resources and Future Training sessions

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=PLvrp9iOILTQZQGtDnSDGViKDdRtlc13VX>

To sign up for Project Firstline e-mails, click here:

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

Feedback Form

