COVID-19 Webinar for Hospital Accreditation

Q&A With The Joint Commission

September 3, 2020
Panel

Robert Campbell, PharmD
Director, Clinical Standards Interpretation
Hospital/Ambulatory Programs
Director, Medication Management
The Joint Commission

Sylvia Garcia-Houchins, MBA, RN, CIC
Director, Infection Prevention
and Control
The Joint Commission

Maura Naddy, MSN, RNC-OB
Associate Director, Standards Interpretation Group
The Joint Commission

Diane Cullen, MSN, MBA, RN, CIC
Associate Director
Standards Interpretation Group
The Joint Commission

Gayle Jensen-Savoie, PhD, LOC-S, LMFT-S, LCDC
Field Director, Surveyor
Management and Support
The Joint Commission

John Raisch, CHFM
Engineer, Department of Engineering
The Joint Commission

Theresa Hendrickson, RN, MS, FACHE
Field Director, HAP and CAH
The Joint Commission

Kelley McCann
Associate Director Accreditation
Accreditation and Certification Operations
The Joint Commission

Jennifer Welch, MBA
Associate Director Accreditation
Accreditation and Certification Operations
The Joint Commission

© 2020 The Joint Commission. All Rights Reserved.
Room Turnover

- Considerations
  - Size of room
  - Number of ACH (air changes per hour)
  - Length of time patient was in room
  - Patient coughing/sneezing
  - Patient wearing face covering
  - Aerosol generating procedure
  - PPE used

<table>
<thead>
<tr>
<th>ACH</th>
<th>Time (mins.) required for removal 99% efficiency</th>
<th>Time (mins.) required for removal 99.9% efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>138</td>
<td>207</td>
</tr>
<tr>
<td>4</td>
<td>69</td>
<td>104</td>
</tr>
<tr>
<td>6</td>
<td>46</td>
<td>69</td>
</tr>
<tr>
<td>8</td>
<td>35</td>
<td>52</td>
</tr>
<tr>
<td>10</td>
<td>28</td>
<td>41</td>
</tr>
<tr>
<td>12</td>
<td>23</td>
<td>35</td>
</tr>
<tr>
<td>15</td>
<td>18</td>
<td>28</td>
</tr>
<tr>
<td>20</td>
<td>14</td>
<td>21</td>
</tr>
<tr>
<td>50</td>
<td>6</td>
<td>8</td>
</tr>
</tbody>
</table>


https://www.cdc.gov/infectioncontrol/guidelines/environmental/appendix/air.html#tableb1
COVID-19 Personal Protective Equipment (PPE) for Healthcare Personnel

**Preferred PPE – Use**  
N95 or Higher Respirator

- Face shield or goggles
- N95 or higher respirator
- When respirators are not available, use the best available alternative, like a facemask.

- One pair of clean, non-sterile gloves
- Isolation gown

**Acceptable Alternative PPE – Use**  
Facemask

- Face shield or goggles
- Facemask
- N95 or higher respirators are preferred but facemasks are an acceptable alternative.

- One pair of clean, non-sterile gloves
- Isolation gown

[cdc.gov/COVID19](https://www.cdc.gov/COVID19)
Community Transmission

<table>
<thead>
<tr>
<th>Type of Community Transmission</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substantial community transmission</td>
<td>Large scale community transmission, including communal settings (e.g., schools, workplaces)</td>
</tr>
<tr>
<td>Minimal to moderate community transmission:</td>
<td>Sustained transmission with high likelihood or confirmed exposure within communal settings and potential for rapid increase in cases</td>
</tr>
<tr>
<td>No to minimal community transmission</td>
<td>Evidence of isolated cases or limited community transmission, case investigations underway; no evidence of exposure in large communal setting</td>
</tr>
</tbody>
</table>

# PPE Selection: Risk = Resources Needed

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Any level</td>
<td>FFR, face/eye protection, gloves, gown</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
<td>N/A</td>
<td>FFR or mask, face/eye protection, gown, gloves</td>
</tr>
<tr>
<td>No/Unknown</td>
<td>Yes</td>
<td>Moderate or substantial</td>
<td>FFR and face/eye protection, gloves, gown</td>
</tr>
<tr>
<td>No/Unknown</td>
<td>Yes</td>
<td>Minimal or limited</td>
<td>FFR or mask *</td>
</tr>
<tr>
<td>No/Unknown</td>
<td>No</td>
<td>Moderate or Substantial</td>
<td>Mask and eye protection *</td>
</tr>
<tr>
<td>No/Unknown</td>
<td>No</td>
<td>Minimal or Limited</td>
<td>Mask or cloth covering (source control) *</td>
</tr>
</tbody>
</table>

FFR: Filtering Facepiece Respirator  
* Additional PPE as required by Standard and Transmission based Precautions
PPE Challenges

Need for PPE
- Patient care activities
- Aerosol generating procedures
- Additional users of PPE

Limited Resources
- Dwindling stock
- Limited supplies/suppliers

PPE Burn Rate Calculator

This spreadsheet can help healthcare facilities plan and optimize the use of personal protective equipment (PPE) for response to coronavirus disease 2019 (COVID-19). Get the Instructions

CDC: PPE Optimization Strategy

[Diagram showing Conventional, Contingency, and Crisis Capacity with detailed strategies for each stage.]

- Conventional Capacity: Strategies that should already be in place as part of general infection prevention and control plans in healthcare settings.
- Contingency Capacity: Strategies that can be used during periods of anticipated PPE shortages.
- Crisis Capacity: Strategies that can be used when supplies cannot meet the facility’s current or anticipated PPE utilization rate.

- **Conventional**:
  - Use physical barriers and other engineering controls.
  - Limit number of patients going to hospital or outpatient settings.
  - Use telemedicine whenever possible.
  - Exclude all HCP not directly involved in patient care.
  - Limit face-to-face HCP encounters with patients.
  - Exclude visitors to patients with known or suspected COVID-19.
  - Cohort patients and/or HCP.

- **Contingency**:
  - Selectively cancel elective and non-urgent procedures and appointments for which PPE is typically used by HCP.
  - Decrease length of hospital stay for medically stable patients with COVID-19.

- **Crisis**:
  - Cancel all elective and non-urgent procedures and appointments for which PPE is typically used by HCP.

Are You in Crisis Capacity?

- **Evaluate Adequacy of Current N95 FFR Inventory and Supply Chain**
  - Is your current N95 FFR inventory and supply chain equal to or greater than your PPE needs?
  - Are there N95 FFRs available from local healthcare coalitions and federal, state, and local public health partners (e.g., public health emergency preparedness and response staff) that can cover your PPE needs based on your burn rate and ability to procure more PPE when needed?
  - Use the Personal Protective Equipment (PPE) Burn Rate Calculator to help you plan and optimize the use of PPE during the response to coronavirus disease 2019 (COVID-19).

- **Evaluate Availability of Other Respirators in Your Inventory**
  - Are there NIOSH-approved respirators that meet or exceed the level of protection of N95 FFRs available in your inventory or from the supply chain to cover your PPE needs?
  - Are there NIOSH-approved respirators available from local healthcare coalitions and federal, state, and local public health partners (e.g., public health emergency preparedness and response staff) that can cover your PPE needs?
  - Other devices that can be used include N99, N100, P95, P99, P100, R95, R99, and R100 FFRs, elastomeric respirators, and powered air-purifying respirators (PAPRs).
  - The use of these devices is included in the conventional capacity strategies to conserve the supply of N95 FFRs. More information on other NIOSH-approved respiratory protective devices can be found here.

- **Evaluate Extended Use of N95 FFRs**
  - Can extended use of N95 FFRs (using the same N95 FFR for more than one patient contact) cover your PPE needs based on your burn rate and ability to procure more PPE when needed?
  - More information on extended FFR use and other contingency capacity strategies can be found here.

You are not operating at crisis capacity.
Follow conventional capacity strategies or if shortages are expected, contingency capacity strategies. Continue to monitor current respiratory protection needs and usage. More information on optimization strategies can be found here.

Apply crisis capacity strategies.
More information can be found at here.

Check supply chain and other resources frequently (e.g., daily).
Evaluate Adequacy of Current N95 FFR Inventory and Supply Chain

Is your current N95 FFR inventory and supply chain equal to or greater than your PPE needs?

Are there N95 FFRs available from local healthcare coalitions and federal, state, and local public health partners (e.g., public health emergency preparedness and response staff) that can cover your PPE needs based on your burn rate and ability to procure more PPE when needed?

Use the Personal Protective Equipment (PPE) Burn Rate Calculator, available here, to help you plan and optimize the use of PPE during the response to coronavirus disease 2019 (COVID-19).

Evaluate Availability of Other Respirators in Your Inventory

Are there NIOSH-approved respirators that meet or exceed the level of protection of N95 FFRs available in your inventory or from the supply chain to cover your PPE needs?

Are there NIOSH-approved respirators available from local healthcare coalitions and federal, state, and local public health partners (e.g., public health emergency preparedness and response staff) that can cover your PPE needs?

Other devices that can be used include N99, N100, P95, P99, P100, R95, R99, and R100 FFRs, elastomeric respirators, and powered air-purifying respirators (PAPRs).

The use of these devices is included in the conventional capacity strategies to conserve the supply of N95 FFRs. More information on other NIOSH-approved respiratory protective devices can be found here.

Evaluate Extended Use of N95 FFRs

Can extended use of N95 FFRs (using the same N95 FFR for more than one patient contact) cover your PPE needs based on your burn rate and ability to procure more PPE when needed?

More information on extended FFR use and other contingency capacity strategies can be found here.

Pre-Submitted Questions

How do I reprocess N95 respirators?

Pre-Submitted Questions

Looking for more information on CMS 1135 Waivers?

Accredited organizations can learn more by visiting Resources and Tools > Tools > Learn More in their Joint Commission Connect® extranet site.
COVID-19 resources

What Your Organization Needs to Know About the Coronavirus

Trusted Guidance. Trusted Resources.

View resources
Thank You

We support your efforts in response to the COVID-19 pandemic and hope to provide helpful resources.
Resources

- COVID Resources
  - https://www.jointcommission.org/covid-19/

- Standards Interpretation
  - https://www.jointcommission.org/standards/standard-faqs/