

Duke Health continues to update its Infection Prevention Guidance based on changing recommendations from Centers for Disease Control and Prevention (CDC) to optimize clinical workflows and effectively manage our PPE supplies.

## Guidance for HCW PPE During COVID-19 Response

- Negative pressure rooms are not required as the standard care environment for patients with known or suspected COVID-19.
- Aerosol-generating procedures (e.g., bronchoscopy, cardiopulmonary resuscitation, endotracheal intubation and extubation, manual ventilation, non-invasive ventilation such as BiPAP or CPAP, open suctioning of airways, sputum induction) for patients with suspected/confirmed COVID-19 should be performed in negative pressure rooms or rooms with HEPA filter when available. When unavailable, all healthcare workers entering the room must wear respiratory protection for the recommended time frame after the aerosol-generating procedure.
- **Patient face masks should be worn by patients when they are outside of closed rooms as long as tolerated by the patient**
- **NOTE:** These are INTERIM RECOMMENDATIONS and are expected to change. Recommended PPE reflects the minimum recommended PPE. Use additional PPE per Standard and Transmission-Based Precautions Policy.

Inpatient			
Patient Scenario	HCW Provider type	Recommended PPE	Preferred type of room
<b>Patient with confirmed/suspected COVID-19 AND ICU or tenuous respiratory status</b>	All in room  Minimize number of people entering room	Special Airborne Precautions <ul style="list-style-type: none"> <li>• N95/PAPR</li> <li>• Eye protection</li> <li>• Gown</li> <li>• Gloves</li> <li>• Shoe covers</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Negative pressure or HEPA filter, if available</li> <li>• If non-negative pressure and NO HEPA filter, then healthcare workers should wear N95/PAPR when entering the room of patient for 2 hours after aerosol-generating procedures</li> </ul>
<b>Patient with confirmed/suspected COVID-19 AND Non-ICU</b>	All in room  Minimize number of people entering room	Special Airborne Precautions <ul style="list-style-type: none"> <li>• N95/PAPR</li> <li>• Eye protection</li> <li>• Gown</li> <li>• Gloves</li> <li>• Shoe covers</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Regular room</li> <li>• Room does not need to remain closed after use</li> </ul>
<b>Patient without symptoms concerning for COVID-19 OR Negative periprocedural test</b>	All in room	Standard transmission-based precautions <ul style="list-style-type: none"> <li>• Face mask</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Regular room</li> <li>• Room does not need to remain closed after use</li> </ul>

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Emergency Department			
Patient Scenario	HCW Provider type	Recommended PPE	Preferred type of room
<b>Patient with confirmed/suspected COVID-19 AND Tenuous respiratory status</b>	All	<ul style="list-style-type: none"> <li>Follow Inpatient Guidelines</li> <li>Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>Follow Inpatient Guidelines</li> </ul>
<b>Patient with pending respiratory failure requiring intubation</b>	All	Special Airborne Precautions <ul style="list-style-type: none"> <li>N95/PAPR</li> <li>Eye protection</li> <li>Gown</li> <li>Gloves</li> <li>Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>Negative pressure or HEPA filter, if available</li> <li>If non-negative pressure or NO HEPA filter, then healthcare workers should wear N95/PAPR when entering the room of patient for 2 hours after aerosol-generating procedures</li> </ul>
<b>Patient with fever or cough/shortness of breath concerning for COVID-19</b>	Triage (if initiating treatment follow RN/MD)	<ul style="list-style-type: none"> <li>Face mask</li> <li>Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>Single room with door closed</li> <li>Room does not need to be closed after use</li> </ul>
	HCW performing assessment/providing treatment	<ul style="list-style-type: none"> <li>Face mask</li> <li>Gown</li> <li>Gloves</li> <li>Patient face mask*</li> </ul>	
	HCW collecting nasal or respiratory specimens or performing nebulizer treatments	<ul style="list-style-type: none"> <li>N95/PAPR</li> <li>Eye protection</li> <li>Gown</li> <li>Gloves</li> <li>Patient face mask*</li> </ul>	
<b>Patient without symptoms concerning for COVID-19</b>	All	Standard transmission-based precautions <ul style="list-style-type: none"> <li>Face mask</li> <li>Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>Regular room</li> <li>Room does not need to remain closed after use</li> </ul>

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Procedures**			
Patient Scenario	HCW Provider type	Recommended PPE	Preferred type of room
Patient with confirmed/or unknown COVID-19 status undergoing procedure (as defined below)	All in room  Minimize number of people entering room	Special Airborne Precautions <ul style="list-style-type: none"> <li>• N95/PAPR</li> <li>• Eye protection</li> <li>• Gown</li> <li>• Gloves</li> <li>• Shoe covers</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Per area-specific COVID plan</li> </ul>
Patient with negative peri-procedural COVID-19 test undergoing procedure	All in room	Standard transmission-based precautions <ul style="list-style-type: none"> <li>• Face mask</li> <li>• Eye protection</li> <li>• Gown</li> <li>• Gloves</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Regular room</li> <li>• Room does not need to remain closed after use</li> </ul>

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\*\*These PPE recommendations apply to the following procedures: bronchoscopy, transesophageal echocardiography, electrical cardioversion, electrophysiology procedures requiring general anesthesia, electroconvulsive therapy, upper and lower endoscopy, fluoroscopically guided enteric tube placements, and interventional radiology procedures requiring anesthesia or in patients with a tracheostomy. For patients with positive tests, the provider should carefully review indications for the procedure and consider deferring the procedure if possible. If the procedure is necessary, the procedure should proceed with N95, eye protection, gown, glove, and shoe covers. If testing is not available at the time of the procedure, the procedure may proceed with N95, eye protection, gown, glove, and shoe covers.

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Outpatient Respiratory Care Clinic			
Patient Scenario	HCW Provider type	Recommended PPE	Preferred type of room
<b>Patient with fever or cough/shortness of breath concerning for COVID-19</b>	Triage	<ul style="list-style-type: none"> <li>• Face mask</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Single room with door closed</li> <li>• Room does not need to be closed after use</li> </ul>
	HCW performing assessment	<ul style="list-style-type: none"> <li>• N95/PAPR</li> <li>• Eye protection</li> <li>• Gown</li> <li>• Gloves</li> <li>• Patient face mask*</li> </ul>	
	HCW collecting nasal or respiratory specimens or administering nebulizer treatments	<ul style="list-style-type: none"> <li>• N95/PAPR</li> <li>• Eye protection</li> <li>• Gown</li> <li>• Gloves</li> <li>• Patient face mask*</li> </ul>	
<b>Patient without symptoms concerning for COVID-19</b>	All	Standard transmission-based precautions <ul style="list-style-type: none"> <li>• Face mask</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Regular room</li> <li>• Room does not need to remain closed after use</li> </ul>

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Outpatient Non-Respiratory Care Clinic/Urgent Care			
Patient Scenario	HCW Provider type	Recommended PPE	Preferred type of room
Patient with fever or cough/shortness of breath concerning for COVID-19	Triage	<ul style="list-style-type: none"> <li>• Face mask</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Single room with door closed</li> <li>• Room does not need to be closed after use</li> </ul>
	HCW performing assessment	<ul style="list-style-type: none"> <li>• Face mask</li> <li>• Gown</li> <li>• Gloves</li> <li>• Patient face mask*</li> </ul>	
	HCW collecting nasal or respiratory specimens or administering nebulizer treatments	<ul style="list-style-type: none"> <li>• N95/PAPR</li> <li>• Eye protection</li> <li>• Gown</li> <li>• Gloves</li> <li>• Patient face mask*</li> </ul>	
Patient without symptoms concerning for COVID-19	All	Standard transmission-based precautions <ul style="list-style-type: none"> <li>• Face mask</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Regular room</li> <li>• Room does not need to remain closed after use</li> </ul>

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Outpatient/Inpatient Radiology Departments			
Patient Scenario	HCW Provider type	Recommended PPE	Preferred type of room
Patient with suspected/confirmed COVID-19	Radiology Provider	<ul style="list-style-type: none"> <li>• Face mask</li> <li>• Gown</li> <li>• Gloves</li> <li>• Patient face mask*</li> </ul> <p><b>Technicians performing portable x-rays in rooms of known/suspected patients follow special airborne precautions</b></p>	<ul style="list-style-type: none"> <li>• Any radiology room location</li> <li>• Room does not need to be closed after use</li> </ul>
Patient without symptoms concerning for COVID-19	All	<p>Standard transmission-based precautions</p> <ul style="list-style-type: none"> <li>• Face mask</li> <li>• Patient face mask*</li> </ul>	<ul style="list-style-type: none"> <li>• Regular room</li> <li>• Room does not need to remain closed after use</li> </ul>

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