

COVID-19 PPE Play Book

Updated June 24, 2020



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Overview of PPE Guidance Development

The safety of every Nuvance Health patient and healthcare team member is our top priority. As the COVID-19 pandemic continues to evolve and new information becomes available, we have carefully considered optimal strategies to ensure the safety of our patients and workforce, while anticipating both short and long-term needs. Effective COVID-19 control and prevention relies on a number of key interventions, implemented/applied by many of us and adopted by all.

The Nuvance Health Infection Prevention and Infectious Disease teams have developed the COVID-19 Control and Prevention Bundle to provide a framework that includes key strategies: hand hygiene, physical distancing, personal protective equipment, laboratory testing, environmental cleaning, education and communication. Many of the components of this bundle have already been implemented, although they will continue to be modified as evidence-based science emerges.

For all, the most effective preventive measures include:

1. Maintaining physical distance (a minimum of 6 feet) from other individuals when possible
2. Performing hand hygiene frequently with an alcohol-based hand sanitizer or with soap and water if hands are visibly soiled, before and after glove use and contact with the environment
3. Avoiding touching your eyes, nose, and mouth
4. Wearing a mask for all interactions and performing hand hygiene after disposing of the mask
5. Routine cleaning and disinfection of environmental and other frequently touched surfaces with products effective against COVID-19.

This document provides guidance for personal protective equipment (PPE) based upon the scope and location for providing care to patients with COVID-19. The sources used to develop this guidance are a compilation of the CDC and WHO recommendations.

1. Diligent hand hygiene is the foundation of infection prevention and is integral in preventing transmission of pathogens.
2. Standard precautions are meant to reduce the risk of transmission of bloodborne and other pathogens from both recognized and unrecognized sources. They are the basic level of infection control precautions to be used, as a minimum, in the care of all patients.
3. Additional transmission-based precautions are required by health care workers to protect themselves. **Contact and Enhanced Droplet precautions** (includes eye protection) should be implemented by health care workers caring for patients with confirmed or suspected COVID-19 at all times. **Airborne precautions** should be applied for aerosol-generating procedures (AGP) and specifically identified treatments/interventions.
4. For patients with confirmed or suspected COVID-19 use of private rooms with the door closed allows for containment of the droplets. The use of a Negative Pressure Ventilation (NPV) Room is dictated by the procedure type and room availability for AGPs.
5. Facemasks and respirators with exhalation valves are prohibited. They should not be used as source control because the exhalation valve allows unfiltered exhaled air to escape into the environment.
6. The use of fit-tested N95 masks is required for AGPs; a PAPR or CAPR may be worn in the event of N95 mask fit-testing failure.

3 *Due to lack of definitive evidence, this information is based upon the available information regarding COVID-19 on June 24, 2020.*

Over time, we can expect to see an increased number of patients with resolved COVID disease. These patients can be managed as COVID-negative patients. Specific guidance exists for determining resolution of COVID during a hospital stay. For outpatient (non-hospital) settings, risk assessment screening must still be completed for all patients. In this population, prior COVID disease may be considered resolved if certain conditions are met: For asymptomatic non-hospitalized patients who previously tested COVID-positive or were diagnosed with COVID disease and for whom 14 days have elapsed since the first positive test or diagnosis, or those who have subsequently tested negative on 2 separate occasions at least 24 hours apart, COVID disease may be considered resolved.

**PPE Guidance: Emergency Department
Revised from PPE Guidance 05.01.2020**

Setting	Target Personnel or Patients	Activity	PPE or Procedure
Healthcare Facilities			
Emergency Department			
Administrative areas / Registration	All staff, including healthcare workers	Administrative tasks	Extended wear mask Maintain 6 ft. spatial distance if no partition.
Waiting room	Patients with respiratory symptoms	Any	Provide medical mask. Immediately move the patient to isolation room or segregate away from others; if not feasible, ensure spatial distance of at least 6 ft. from other patients.
	Patients without respiratory symptoms	Any	Provide medical mask. Segregate from patients with respiratory symptoms.
Triage/Tent Screening	Healthcare workers	Preliminary screening	Extended wear mask Extended wear eye protection Extended wear gown Double gloves w/hand sanitizer and glove change between each patient and as needed
	Patients with respiratory symptoms	Any	Maintain spatial distance of at least 6 ft. from other patients. Provide medical mask.
	Patients without respiratory symptoms	Any	Provide medical mask.
Patient Room (Respiratory)	Healthcare workers	Direct care of patient with respiratory symptoms.	Extended wear mask Extended wear eye protection Gown Double gloves w/hand sanitizer and glove change as needed
	Cleaners (EVS)	Terminal Cleaning	Leave room vacant for required time. Extended wear mask Gown Gloves
	Patients with respiratory symptoms.	Any	Provide medical mask.
Patient Room (Non-Respiratory)	Healthcare workers	Physical examination of patients without respiratory symptoms.	Extended wear mask PPE according to standard precautions and risk assessment.
	Cleaners (EVS)	Terminal Cleaning	Extended wear mask PPE according to standard precautions and risk assessment.

	Patients without respiratory symptoms.	Any	Provide medical mask.
Points of Entry			
Screening area	Screening staff	First screening (temperature measurement) not involving direct contact	Maintain spatial distance of at least 6 ft. when possible. Extended wear mask Gloves as needed
Administrative areas	All staff, including healthcare workers	Administrative tasks (no contact with patients)	Nuvance Health-issued extended wear mask or other non-valved mask.

PPE Guidance: Inpatient Settings
Revised from PPE Guidance 05.15.2020

Setting	Target Personnel or Patients	Activity	PPE or Procedure
Healthcare Facilities			
Inpatient Settings			
Private Patient Room/PUI COVID-19 -including Specialty Care areas: NICU/L&D/Maternity/Peds) Refer to Nuvance Specialty Care Area guidance. Also see section: "Aerosolizing Procedure - COVID Patient/PUI - NPV Room (Preferred)" for additional PPE requirements See Hospital-specific guidance if dedicated PUI Unit	Healthcare workers	Providing direct care to PUI/COVID-19 patients.	Extended wear mask Extended wear eye protection Gown Gloves
	Cleaners (EVS)	Entering the room of COVID-19 patients.	Extended wear mask Extended wear eye protection Gown Gloves
		Terminal Cleaning	Leave room vacant for required time Extended wear mask Gown Gloves
	Visitors (for Extenuating Circumstances only)	Entering the room of a COVID-19 patient	Medical mask Gown Gloves
Confirmed COVID Unit ICU/Acute Care Multi-Patient Room	Healthcare workers	Providing direct care to COVID-19 patients.	Extended wear N95 Mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Extended wear eye protection (if no PAPR/CAPR) Extended wear gown Double gloves w/hand sanitizer and glove change between each patient and as needed
	Cleaners (EVS)	Entering the room of COVID-19 patients OR terminal cleaning of patient space if room is still partially occupied	Extended wear N95 Mask (Must be fit-tested brand/size) Extended wear eye protection Extended wear gown Double gloves w/hand sanitizer and glove change between each patient and as needed
		Terminal cleaning of completely empty room	Extended wear N95 Mask (Must be fit-tested brand/size) Extended wear eye protection Gown Double gloves w/hand sanitizer and glove change as needed
	Visitors (for Extenuating Circumstances only)	Entering the room of a COVID-19 patient	Medical mask Gown Gloves

PUI COVID Unit ICU/Acute Care	Healthcare workers	Providing direct care to PUI COVID-19 patients.	Extended wear N95 Mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Extended wear eye protection (if no PAPR/CAPR) Gown changed between patients Double gloves w/hand sanitizer and glove change as needed
	Cleaners (EVS)	Entering the room of PUI COVID-19 patients OR terminal cleaning if room is still partially occupied	Extended wear N95 Mask (Must be fit-tested brand/size) Extended wear eye protection Gown changed between patients Double gloves w/hand sanitizer and glove change as needed
		Terminal Cleaning of completely empty room on unit	Extended wear N95 Mask (Must be fit-tested brand/size) Extended wear eye protection Gown changed between patients Double gloves w/hand sanitizer and glove change as needed
	Visitors (for Extenuating Circumstances only)	Entering the room of a PUI COVID-19 patient	Medical mask Gown Gloves
Aerosolizing Procedure COVID patient/PUI NPV Room (preferred) (TEE, dental procedure, upper endoscopy, endotracheal intubation/extubation, open endotracheal suctioning, CPR, manual ventilation, non-invasive ventilation (e.g., BiPAP, CPAP), nebulizing treatment, bronchoscopy, sputum induction)	Healthcare Workers	Entering the room of a COVID-19 patient/PUI	N95 Mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield) Gown Gloves
	Cleaners (EVS)	Terminal Cleaning	Leave room vacant for required time. <i>(If not possible due to immediate need, wear fit-tested N95 mask and eye protection.)</i> Extended wear mask Gown Gloves
NON-COVID-19 patient/PUI Aerosolizing Procedure (See list above)	Healthcare Workers: <u>Limit the number of staff in the area</u> during an aerosolizing procedure	Entering the room of a NON -COVID-19 patient/PUI	N95 Mask (Must be fit-tested brand/size) Eye protection (goggles or face shield) Gloves
	Cleaners	Entering the room of a NON -COVID-19 patient/PUI	Extended wear mask Gown Gloves

<p>Other areas of patient transit (e.g., wards, corridors).</p> <p><u>Follow policy for routine transport of isolation patients.</u></p> <p>If clinical staff is required to assist the transporter, the clinical staff will be considered "dirty" and will wear all required PPE in anticipation of patient contact in the patient's immediate environment; these clinical staff will not have contact with the surrounding environment.</p> <p>The transporter will be considered "clean," will not wear PPE, and will have contact with all environmental surfaces (i.e., elevator buttons, doors, etc.) but not with the patient.</p>	All staff, including healthcare workers	Any activity <u>not involving contact</u> with COVID-19 patients	Extended wear mask
		Any activity <u>involving contact</u> with COVID-19 patients—IF CONTACT IS NECESSARY	Extended wear mask Extended wear eye protection Gown Gloves
	Patient	PUI/Positive COVID-19 patient	Patient wears a medical mask. Intubated patients on closed system. Cover patient with clean sheet.
		NON -COVID-19 patient/PUI	Patient wears a medical mask.

PPE Guidance: Operating Room
Revised from PPE Guidance 05.15.2020

Setting	Target Personnel or Patients	Activity	PPE or Procedure
Healthcare Facilities			
Operating Room			
Confirmed COVID/PUI Surgery or Surgery above the Clavicle <u>*See Appendix C: Fit-Tested N95 Mask Type and Approved Use</u>	Surgical Team in OR <u>Limit number of staff in the surgical suite.</u> <u>Provide outside room support/runners</u>	Providing direct care to COVID-19/PUI patients	N95 mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gown (surgical gown at sterile field) Double gloves w/hand sanitizer and glove change as needed
	Cleaners (EVS) OR Suite Turn Over	Entering the room of COVID-19 patients for turnover cleaning	Extended wear N95 mask (must be fit-tested brand/size) Extended wear eye protection Gown Double gloves w/hand sanitizer and glove change as needed
Negative COVID and Surgery below the Clavicle	Surgical Team in OR: Limit the number of staff in the surgical suite; <u>see Anesthesia section below.</u>	Providing direct care to negative COVID patients	Standard PPE and Surgical Attire
	Cleaners (EVS) OR Suite Turn Over	Entering the room of negative COVID patients	Standard PPE and Surgical Attire
Anesthesia- Intubation/extubation Aerosolizing Procedure: NPV Room (preferred) <u>*See Appendix C: Fit-Tested N95 Mask Type and Approved Use</u>	Anesthesia Staff	Surgical Intubation of all patients	N95 mask (Must be fit-tested brand/size of N95 mask) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gown (isolation) Double gloves w/hand sanitizer and glove change as needed
<u>Definition of an Aerosolizing Procedure</u> (TEE, dental procedure, upper endoscopy, endotracheal intubation/extubation, open endotracheal suctioning, CPR, manual ventilation, non-invasive ventilation (e.g., BiPAP, CPAP) , nebulizing treatment, bronchoscopy, sputum induction)	Surgical Team: <u>Limit the number of Staff in the area</u> during an aerosolizing procedure	Aerosolizing procedural activities all patients <u>Must wear a gown for COVID/PUI patients.</u>	N95 mask (Must be fit-tested brand/size of N95 mask) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield) Gloves Surgical attire at sterile field if applicable.

<u>Laparoscopic Procedures</u>	Surgical Team OR: <u>Limit the number of Staff in the surgical suite</u>	Laparoscopic Surgery	Standard PPE and Surgical Attire **Air Seal or system use to filter released CO2 recommended
<u>Procedures using Electro Surgical Cautery</u>	Surgical Team OR: <u>Limit the number of Staff in the surgical suite</u>	Electrosurgical Cautery	Standard PPE and Surgical Attire **Minimize use of energy devices and use ESU smoke evacuation technology for ALL procedures.
Recovery Area			
Confirmed COVID/PUI	Nursing Staff	Providing direct care to COVID-19/PUI patients in Isolation Room/designated area	Extended wear N95 mask (Must be fit-tested brand/) or PAPR/CAPR (only if N95 failure) Extended wear eye protection (goggles or face shield if no PAPR/CAPR) Gown Double gloves w/hand sanitizer and glove change as needed
Negative COVID	Nursing Staff	Providing direct care to negative COVID-19 patients	Extended Wear Mask Standard PPE

Operating Room Considerations

- Only essential vendor representatives will be allowed in the operating room
- Medical students should not be allowed in the operating room
- Visitors should not be allowed in the operating room
- Limit to one circulator
- Only place equipment and supplies for each specific procedure in the room for that time period
- Limit staff movement in and out of the operating room during the surgical procedure
- Consider timing of breaks and shift relief
- Reduce unnecessary congregation of staff in hallways

****See Appendix C: Fit-Tested N95 Mask Type and Approved Use***

PPE Guidance: Delivery Suite
Revised from PPE Guidance 5.18.2020

Setting	Target Personnel or Patients	Activity	PPE or Procedure
Healthcare Facilities			
Delivery Room			
Vaginal Deliveries Confirmed COVID or PUI (Note: Time may vary by facility)	Labor checks /Labor Support (Before active pushing)	Providing direct care to COVID-19/PUI patients	Extended wear N95 mask Extended wear eye protection Gown Double gloves w/hand sanitizer and glove change as needed
	During active pushing <u>Limit number of staff in the delivery suite.</u> <u>Provide outside room support/runners.</u> <u>Door remains closed for a minimums of 90 minutes post-delivery.</u> <u>(Please note essential staff should enter/ exit as needed.)</u>	Providing direct care to COVID-19/PUI patients	N95 Mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gown (surgical gown at sterile field) Double gloves w/hand sanitizer and glove change as needed
Post Patient Discharge from room (Note: Time may vary by facility)	Cleaners (EVS) <u>Maintain a minimum of 90-minute door closure.</u>	Post Patient discharge	Extended wear N95 mask (must be fit-tested brand/size) Extended wear eye protection Gown Double gloves w/hand sanitizer and glove change as needed
Confirmed COVID or PUI C-Section	Surgical Team in OR <u>Limit number of staff in the surgical suite.</u> <u>Provide outside room support/runners.</u>	Providing direct care to COVID-19/PUI patients	N95 Mask (must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gown (surgical gown at sterile field) Double gloves w/hand sanitizer and glove change as needed
	Anesthesia Staff	Intubation/Monitoring/Extubation	N95 Mask (must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gown (isolation gown) Double gloves w/hand sanitizer and glove change as needed

	Cleaners (EVS) OR Suite Turn Over <u>Door remains closed 90 minutes.</u>	Patient recovering in OR/Section Room	Extended wear N95 mask (must be fit-tested brand/size) Extended wear eye protection Gown Double gloves w/hand sanitizer and glove change as needed
<i>NON</i> -COVID-19 patient/PUI <u>Aerosolizing Procedure</u> (TEE, dental, upper endoscopy, intubation/extubation, nebulizing treatment, high flow O2, open endotracheal suctioning, bronchoscopy)	<u>Limit the number of staff in the area</u> during an aerosolizing procedure	Aerosolizing procedural activities <i>NON</i> -COVID-19 patient/PUI L&D General Anesthesia, (emergent C/S, D&C)	N95 mask (must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gloves Surgical attire at sterile field if applicable
	Cleaners	Entering the room of a <i>NON</i> -COVID-19 patient/PUI	Extended wear mask Gown Gloves

PPE Guidance: Interventional Radiology and Cardiology Revised from PPE Guidance 05.15.2020			
Setting	Target Personnel or Patients	Activity	PPE or Procedure
Healthcare Facilities			
Procedure Room			
Confirmed COVID/PUI Procedure	Limit the number of Staff in the Procedure Room <u>Provide outside room support/runners</u>	Providing direct care to COVID-19/PUI patients	Extended wear N95 mask (must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gown (surgical gown at sterile field) Double gloves w/hand sanitizer and glove change as needed
	Cleaners (EVS) Procedure Room Turn Over	Entering the room of COVID-19 patients for turnover cleaning	Extended wear N95 mask (must be fit-tested brand/size) Extended wear eye protection Gown Double gloves w/hand sanitizer and glove change as needed
Negative COVID Procedure	Limit the number of Staff in the Procedure Room (See Anesthesia section below)	Providing direct care to Negative COVID-19 patients	Standard PPE/Surgical Attire
	Cleaners (EVS) Procedure Room Turn Over	Entering the room of Negative COVID-19 patients for turnover cleaning	Standard PPE/Surgical Attire
Anesthesia- Intubation/extubation Aerosolizing Procedure: NPV Room (preferred)	Anesthesia Staff	Intubation of all patients	N95 mask (Must be fit-tested brand/size of N95 mask) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Isolation Gown Double gloves w/hand sanitizer and glove change as needed

<u>Definition of an Aerosolizing Procedure</u> (TEE, dental procedure, upper endoscopy, endotracheal intubation/extubation, open endotracheal suctioning, CPR, manual ventilation, non-invasive ventilation (e.g., BiPAP, CPAP), nebulizing treatment, bronchoscopy, sputum induction)	Procedure Team: <u>Limit the number of Staff in the area</u> during an aerosolizing procedure	Aerosolizing procedural activities <i>all</i> patients <u>Must wear a gown for COVID/PUI patients.</u>	N95 mask (Must be fit-tested brand/size of N95 mask) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield) Gloves Surgical attire at sterile field if applicable.
Recovery Area			
Confirmed COVID/PUI	Nursing Staff	Providing direct care to COVID-19/PUI patients in Isolation Room/designated area	Extended wear N95 mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Extended wear eye protection (goggles or face shield if no PAPR/CAPR) Gown Double gloves w/hand sanitizer and glove change as needed
Negative COVID	Nursing Staff	Providing direct care to Negative COVID-19 patients	Extended Wear Mask Standard PPE

Procedure Suite Considerations

- Only essential vendor representatives will be allowed in the procedure room
- Medical students should not be allowed in the procedure room
- Visitors should not be allowed in the procedure room
- Limit to one circulator/nurse documenter
- Only place equipment and supplies for each specific procedure in the room for that time period
- Limit staff movement in and out of room during the procedure
- Consider timing of breaks and shift relief
- Reduce unnecessary congregation of staff in hallways and control room

PPE Guidance: Endoscopy
Revised from PPE Guidance 05.15.2020

Setting	Target Personnel or Patients	Activity	PPE or Procedure
Healthcare Facilities			
Procedure Room			
Confirmed COVID/PUI Surgery or Upper Endoscopy/ERCP/Bronchoscopy (Regardless of COVID testing results)	Limit the number of Staff in the Procedure Room <u>Provide outside room support/runners</u>	Providing direct care to COVID-19/PUI patients	N95 mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gown Double gloves w/hand sanitizer and glove change as needed
	Cleaners (EVS) Procedure Room Turn Over	Entering the room of COVID-19 patients for turnover cleaning	Extended wear N95 mask (Must be fit-tested brand/size) Extended wear eye protection Gown Double gloves w/hand sanitizer and glove change as needed
Negative COVID And Lower Endoscopy	Limit the number of Staff in the Procedure Room (See Anesthesia section below)	Providing direct care to Negative COVID-19 patients	Extended wear N95 Mask Extended wear eye protection and cover mask (Proceduralists Only) or Extended wear face shield Standard PPE
	Cleaners (EVS) Procedure Room	Entering the room of Negative COVID-19 patients for turnover cleaning	Extended Wear Mask Standard PPE
Anesthesia- Intubation/extubation Aerosolizing Procedure: NPV Room (preferred)	Anesthesia Staff	Surgical Intubation of all patients	N95 mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield if no PAPR/CAPR) Gown (Isolation) Double gloves w/hand sanitizer and glove change as needed
<u>Definition of an Aerosolizing Procedure</u> (TEE, dental procedure, upper endoscopy, endotracheal intubation/extubation, open endotracheal suctioning, CPR, manual ventilation, non-invasive ventilation (e.g., BiPAP, CPAP), nebulizing treatment, bronchoscopy, sputum induction)	Procedure Team: <u>Limit the number of Staff in the area</u> during an aerosolizing procedure	Aerosolizing procedural activities all patients <u>Must wear a gown for COVID/PUI patients.</u>	N95 mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield) Gloves

Recovery Area			
Confirmed COVID/PUI	Nursing Staff	Providing direct care to COVID-19/PUI patients in Isolation Room/designated area	Extended wear N95 mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Extended wear eye protection (goggles or face shield if no PAPR/CAPR) Gown Double gloves w/hand sanitizer and glove change as needed
Negative COVID	Nursing Staff	Providing direct care to Negative COVID-19 patients	Extended Wear Mask Standard PPE

Procedure Suite Considerations

- Sales representatives should not be allowed in the procedure room
- Medical students should not be allowed in the procedure room
- Visitors should not be allowed in the procedure room
- Limit to one circulator/nurse documenter
- Only place equipment and supplies for each specific procedure in the room for that time period
- Limit staff movement in and out of room during the procedure
- Consider timing of breaks and shift relief
- Reduce unnecessary congregation of staff in hallways and control room

PPE Guidance: Outpatient Care/Testing: Revised 05.18.2020			
Setting	Target Personnel or Patients	Activity	PPE or Procedure
Outpatient Ambulatory Care/Testing			
Points of Entry Screening area	Screening staff	First screening (temperature measurement)—not involving direct contact	Maintain spatial distance of at least 6 ft. when possible. Extended wear mask Gloves as needed
	Patients	First screening (temperature measurement)—not involving direct contact	Provide medical mask.
Registration	Registration Staff	Completion of registration for office visit	Extended wear mask
Waiting Room	Patients <u>with</u> respiratory/ COVID symptoms	Any	Provide medical mask. Have patient wait in car if unable to immediately move the patient to private room. Ensure spatial distance of at least 6 ft. from other patients.
	Patients <u>without</u> respiratory/ COVID symptoms	Any	Provide medical mask. Ensure spatial distance of at least 6 ft. from other patients.
Testing/Treatment Room <i>Procedures requiring Enhanced Droplet Precautions*:</i> Exercise Stress Test Stress Echocardiogram Spirometry/PFTs Swallowing assessments (FEES, MBBS) Nasopharyngeal (NP) or oropharyngeal (OP) specimen collection Invasive NP or OP exam <i>Private room with door closed required.</i>	Healthcare workers	Care of patient <u>with</u> respiratory/COVID symptoms.	Extended wear N95 mask (must be fit-tested brand/size) Extended wear face shield Gown Gloves
	Healthcare workers	Care of patients with negative COVID test within 48 hours, resolved COVID (see definition), or patient <u>without</u> respiratory/COVID symptoms.	Extended wear N95 mask (must be fit-tested brand/size) Extended wear face shield Gloves Additional PPE according to standard precautions and risk assessment.
	Patients <u>with</u> respiratory/ COVID symptoms	Any	Provide medical mask.
	Patients <u>without</u> respiratory/COVID symptoms	Any	Provide medical mask.
Testing/Treatment Room Collection of anterior nares or mid-turbinate specimen <u>by healthcare worker</u> <i>Private room with door closed required.</i>	Healthcare workers	Care of patients with or without respiratory symptoms	Extended wear mask Extended wear face shield Gloves
	Patient	With or without respiratory symptoms	May remove mask for specimen collection.

Testing/Treatment Room Patient <u>self-collection</u> of anterior nares or mid-turbinate specimen Private room with door closed required.	Healthcare workers	Care of patients with or without respiratory symptoms	Extended wear mask Gloves Maintain 6 feet of spatial distance during specimen collection by patient
	Patient	With or without respiratory symptoms	May remove mask for specimen collection.
Testing/Treatment Room All other tests/procedures requiring close contact but not enhanced droplet precautions (e.g. EKG, X-ray, Wound Care, Phlebotomy, Injections, etc.)	Healthcare workers	Care of patient <u>with</u> respiratory/COVID symptoms.	Extended wear mask Extended wear eye protection Gown Gloves
	Healthcare workers	Care of patients <u>without</u> respiratory/COVID symptoms.	Extended wear mask Gloves Additional PPE according to standard precautions and risk assessment.
	Patients <u>with</u> respiratory/COVID symptoms	Any	Provide medical mask.
	Patients <u>without</u> respiratory/COVID symptoms	Any	Provide medical mask.
Testing/Treatment Room <u>Aerosol Generating Procedures:</u> (TEE, dental procedure, upper endoscopy, endotracheal intubation/extubation, open endotracheal suctioning, CPR, manual ventilation, non-invasive ventilation (e.g., BiPAP, CPAP), nebulizing treatment, bronchoscopy, sputum induction) Private room with door closed required.	<u>Limit the number of Staff in the area</u> during an aerosolizing procedure. Room must be left vacant after procedure for 90 minutes before entering without all PPE required for procedure.	Aerosolizing procedural activities all patients <u>Cannot be performed without appropriate PPE.</u>	N95 mask (Must be fit-tested brand/size) or PAPR/CAPR (only if N95 failure) Eye protection (goggles or face shield) Gown Gloves
Administrative areas	All staff, including healthcare workers	Administrative tasks in non-clinical areas	Nuvance Health-issued extended wear mask or other non-valved mask.

***Enhanced Droplet Precautions:**

- Isolation Mask
- Face shield
- Gloves
- Hand hygiene
- Private room with door closed

PPE Guidance: Ambulance Transport
Revised from PPE Guidance 05.01.2020

Setting	Target Personnel or Patients	Activity	PPE or Procedure
Outpatient			
Ambulance			
Ambulance Vehicle See above for NON-COVID-19 patient Aerosolizing Procedure (intubation, open Endotracheal suctioning)	Healthcare workers	Transporting suspected COVID-19 patients to the healthcare facility.	Extended wear mask Extended wear eye protection Gown Gloves
	Driver	Involved only in driving the patient with suspected COVID-19 disease and the driver's compartment is separated from the COVID-19 patient.	Maintain spatial distance of at least 6 ft. May wear Nuvance Health-issued extended wear mask or other non-valved mask.
	Driver of Patient with suspected COVID-19 disease.	Assisting with loading or unloading patient with suspected COVID-19 disease.	Extended wear mask Extended wear eye protection Gown Gloves
	Patient with suspected COVID-19 disease.	Transport to the referral healthcare facility	Provide medical mask.
Ambulance or Transfer Vehicle A surgical mask is required to be worn for any and all activity at an SNF/ECF. This is for ALL entries to these facilities – emergent, routine or transport, dropping off items/paperwork – regardless of what the nature or reason is.	Driver of Patient with suspected COVID-19 disease.	No direct contact with patient with suspected COVID-19, but no separation between driver's and patient's compartments.	Extended wear mask
	Patient with suspected COVID-19 disease.	Transport to the referral healthcare facility	Provide medical mask.

PPE Guidance: Home Care
Revised from PPE Guidance 05.01.2020

Setting	Target Personnel or Patients	Activity	PPE or Procedure
Outpatient			
Home Care			
Home Care (Follow Nuvance Home Care guidance for specifics.)	Patients with respiratory symptoms.	Any	Maintain spatial distance of at least 6 ft. Provide medical mask, except when sleeping.
	Caregiver	Entering the patient's room, but not providing direct care or assistance	Extended wear mask
	Caregiver	Providing direct care or when handling stool, urine or waste from COVID-19 patient being cared for at home	Extended wear mask
	Healthcare workers	Providing direct care or assistance to a COVID-19 patient at home	Extended wear mask Extended wear eye protection Gown Gloves

PPE Guidance: Medical Group Facilities
Revised from PPE Guidance 05.07.2020

Setting	Target Personnel or Patients	Activity	PPE or Procedure
Outpatient			
Medical Group Facilities			
Points of Entry Staff Screening area	Screening staff	First screening (temperature measurement)—not involving direct contact	Maintain spatial distance of at least 6 ft. when possible. Extended wear mask Gloves as needed
	Patients	First screening (temperature measurement)—not involving direct contact	Provide medical mask.
Registration	Registration Staff	Completion of registration for office visit	Extended wear mask
Waiting Room	Patients <u>with</u> respiratory/COVID symptoms	Any	Provide medical mask. Have patient wait in car if unable to immediately move the patient to private room. Ensure spatial distance of at least 6 ft. from other patients.
	Patients <u>without</u> respiratory/COVID symptoms	Any	Provide medical mask. Ensure spatial distance of at least 6 ft. from other patients.
Exam/Consultation Room	Healthcare workers	Physical examination of patient <u>with</u> respiratory/COVID symptoms.	Extended wear mask Extended wear eye protection Gown Gloves
	Healthcare workers	Physical examination of patients <u>without</u> respiratory/COVID symptoms.	Extended wear mask Gloves Additional PPE according to standard precautions and risk assessment.
	Patients <u>with</u> respiratory /COVID symptoms	Any	Provide medical mask.
	Patients <u>without</u> respiratory /COVID symptoms	Any	Provide medical mask.
Administrative areas	All staff, including healthcare workers	Administrative tasks in non-clinical areas	Nuvance Health-issued extended wear mask or other non-valved mask.

The CDC document below is included to describe the sequence and detailed technique for using PPE appropriately. *It does not override the PPE guidance outlined in the previous pages, which may differ significantly from the examples provided here. Donning and doffing should be done according to previously established protocols.*

Use Personal Protective Equipment (PPE) When Caring for Patients with Confirmed or Suspected COVID-19

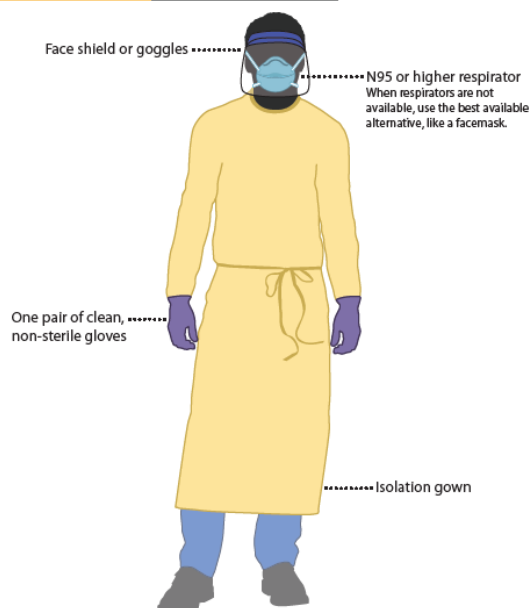
Before caring for patients with confirmed or suspected COVID-19, healthcare personnel (HCP) must:

- **Receive comprehensive training** on when and what PPE is necessary, how to don (put on) and doff (take off) PPE, limitations of PPE, and proper care, maintenance, and disposal of PPE.
- **Demonstrate competency** in performing appropriate infection control practices and procedures.

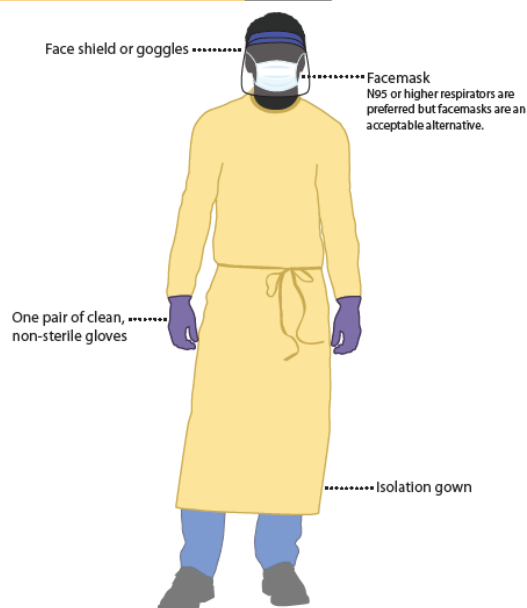
Remember:

- PPE must be donned correctly before entering the patient area (e.g., isolation room, unit if cohorting).
- PPE must remain in place and be worn correctly for the duration of work in potentially contaminated areas. PPE should not be adjusted (e.g., retying gown, adjusting respirator/facemask) during patient care.
- PPE must be removed slowly and deliberately in a sequence that prevents self-contamination. A step-by-step process should be developed and used during training and patient care.

Preferred PPE – Use N95 or Higher Respirator



Acceptable Alternative PPE – Use Facemask



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Donning (putting on the gear):

More than one donning method may be acceptable. Training and practice using your healthcare facility's procedure is critical. Below is one example of donning.

1. **Identify and gather the proper PPE to don.** Ensure choice of gown size is correct (based on training).
2. **Perform hand hygiene using hand sanitizer.**
3. **Put on isolation gown.** Tie all of the ties on the gown. Assistance may be needed by another HCP.
4. **Put on NIOSH-approved N95 filtering facepiece respirator or higher (use a facemask if a respirator is not available).** If the respirator has a nosepiece, it should be fitted to the nose with both hands, not bent or tented. Do not pinch the nosepiece with one hand. Respirator/facemask should be extended under chin. Both your mouth and nose should be protected. Do not wear respirator/facemask under your chin or store in scrubs pocket between patients.*
 - » **Respirator:** Respirator straps should be placed on crown of head (top strap) and base of neck (bottom strap). Perform a user seal check each time you put on the respirator.
 - » **Facemask:** Mask ties should be secured on crown of head (top tie) and base of neck (bottom tie). If mask has loops, hook them appropriately around your ears.
5. **Put on face shield or goggles.** When wearing an N95 respirator or half facepiece elastomeric respirator, select the proper eye protection to ensure that the respirator does not interfere with the correct positioning of the eye protection, and the eye protection does not affect the fit or seal of the respirator. Face shields provide full face coverage. Goggles also provide excellent protection for eyes, but fogging is common.
6. **Put on gloves.** Gloves should cover the cuff (wrist) of gown.
7. **HCP may now enter patient room.**

Doffing (taking off the gear):

More than one doffing method may be acceptable. Training and practice using your healthcare facility's procedure is critical. Below is one example of doffing.

1. **Remove gloves.** Ensure glove removal does not cause additional contamination of hands. Gloves can be removed using more than one technique (e.g., glove-in-glove or bird beak).
2. **Remove gown.** Untie all ties (or unsnap all buttons). Some gown ties can be broken rather than untied. Do so in gentle manner, avoiding a forceful movement. Reach up to the shoulders and carefully pull gown down and away from the body. Rolling the gown down is an acceptable approach. Dispose in trash receptacle.*
3. **HCP may now exit patient room.**
4. **Perform hand hygiene.**
5. **Remove face shield or goggles.** Carefully remove face shield or goggles by grabbing the strap and pulling upwards and away from head. Do not touch the front of face shield or goggles.
6. **Remove and discard respirator (or facemask if used instead of respirator).*** Do not touch the front of the respirator or facemask.
 - » **Respirator:** Remove the bottom strap by touching only the strap and bring it carefully over the head. Grasp the top strap and bring it carefully over the head, and then pull the respirator away from the face without touching the front of the respirator.
 - » **Facemask:** Carefully untie (or unhook from the ears) and pull away from face without touching the front.
7. **Perform hand hygiene after removing the respirator/facemask** and before putting it on again if your workplace is practicing reuse.

**Facilities implementing reuse or extended use of PPE will need to adjust their donning and doffing procedures to accommodate those practices.*

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GUIDELINES FOR EXTENDED WEAR MASKS IN CLINICAL AREAS

Using the same mask for several patient encounters



REMEMBER

Any MEDICAL mask can be used,
EXCEPT for aerosol generating procedures (AGP)

• Fit-tested N95 mask • Standard Isolation Mask • Standard Isolation Mask with Faceshield • Industrial N95 mask (not fit-tested) •

AEROSOLIZING INTERVENTIONS/AEROSOL GENERATING PROCEDURES
REQUIRE a FIT-TESTED N95 MASK or PAPR/CAPR ONLY

STORING YOUR MASK BETWEEN USES

- Be careful not to contaminate inside of mask
- Store in a paper bag labeled with your name
- Perform hand hygiene before and after handling or adjusting your mask

WHEN TO REPLACE YOUR MASK

- After an aerosol-generating procedure
- When soiled with secretions, blood, etc.
- When contaminated by touching it
- If damp, damaged or difficult to breathe through
- Discard at the end of the shift

ADDITIONAL TIPS FOR EXTENDED USE OF MASKS

DO NOT wear a standard mask over N95 mask.

Perform all care activities requiring a mask, then remove mask and complete other tasks.

Minimize entry into patient rooms—limit staff, utilize alternative communication methods

Staff entering the room should perform any tasks needed at that time—think teamwork.

Also see guidance on how to recycle masks when appropriate.

Fit-Tested N95 Mask Type and Approved Use		
Brand/Size	Aerosol Generating Procedure with Eye Protection or Face Shield	Surgery requiring N95 with Eye Protection or Face Shield
3M 1860, 1860S Fit testing correlates with 8210, 8110S	X	X
3M 8210, 8110S Fit testing correlates with 1860, 1860S	X	X
KC/Technol Regular and Small	X	X
Propac	X	X
Moldex	X	X

TERMINAL ROOM CLEANING REFERENCE FOR COVID-19 PATIENTS*

ROOM TYPE	AIR EXCHANGES	Patient Unmasked	Aerosolizing Procedure	Time Empty Before Cleaning/Use	UV LIGHT	PPE Used
NPV	12 or greater	N	N	Immediate	No	If Time Empty is "Immediate": Extended wear mask, gown and gloves
		Y	Y	30 minutes	Yes	
	9 to 11	N	N	Immediate	No	
		Y	Y	45 Minutes	Yes	
	6 to 8	N	N	Immediate	No	
		Y	Y	60 minutes	Yes	
Regular Room with door closed (including ED)	Minimum 4	N	N	Immediate	No	If Time Empty is not "Immediate": Leave room vacant for required time per reference on this chart. If not possible: Fit-tested N95 mask, eye protection, gown and gloves
		Y	Y	90 minutes	Yes	
CT Scan, Radiology or Procedure room	6	N	N	Immediate	No	
		Y	Y	60 Minutes	Yes	
Operating Room	20 or greater	N	N	Immediate	No	
		Y	Y	20 minutes	Yes	

*No wait time for COVID-negative patients