The PPE guidance outlined below is only applicable to inpatient areas caring for patients under investigation (PUI) or confirmed to have Coronavirus Disease 2019 (COVID-19) based on currently available information. For outpatient PPE guidance, refer to the Outpatient Guidelines for Providers handout on the HEIC intranet: intranet.insidehopkinsmedicine.org/heic/_docs/2019-nCoV_outpatient_guidelines.pdf.

PPE guidance may change as more information is learned about COVID-19. If changes occur, Johns Hopkins Medicine Healthcare Epidemiology and Infection Control (HEIC) will swiftly communicate such changes.

Airborne and Contact precaution with eye protection sign is available on the HEIC intranet: intranet.insidehopkinsmedicine.org/heic/_docs/airborne_contact_precautions_with_eye_protection.pdf.

**OPTION A**

**PPE for Inpatient Care:**

**PAPR**

After use, wipe down the outside of the PAPR and battery pack with a disinfectant wipe used at your facility after exiting each patient room or leaving a biomode unit. Keep the PAPR hood for use by the same staff member unless damaged.

**What Equipment Do I Need?**

- Alcohol based hand sanitizer
- Powered Air Purifying Respirators (PAPRs)
- Exam Gloves
- Fluid resistant gown with thumb loops (e.g., yellow gown)
- Second pair of exam gloves

Detailed instructions for donning and doffing PPE can be found on page 2 of this document. SAP numbers for equipment can be found on page 4.

**OPTION B**

**PPE for Inpatient Care:**

**N95 Respirator with Eye Protection**

**Fit-tested** N95 respirator

Eye protection (e.g., disposable fluid shield or disposable goggles)

**What Equipment Do I Need?**

- Alcohol based hand sanitizer
- Exam Gloves
- Fluid resistant gown with thumb loops (e.g., yellow gown)
- Second pair of exam gloves

Detailed instructions for donning and doffing PPE can be found on page 3 of this document. SAP numbers for equipment can be found on page 4.

*Updated April 7, 2020 Internal Use Only*

*Johns Hopkins Medicine Healthcare Epidemiology and Infection Control © The Johns Hopkins University, The Johns Hopkins Hospital, and Johns Hopkins Health System. All rights reserved.*

*These policies and all information are provided for informational purposes only and are intended to supplement, but not override, the judgment of a qualified medical professional. All information is meant for use by clinicians, not the general public, and does not constitute provision of medical advice, diagnosis, or treatment and should be adapted to the patient’s specific needs, available resources, and any other unique circumstances. Neither The Johns Hopkins University nor The Johns Hopkins Health System Corporation or its affiliates, or any of their employees, (collectively, “Johns Hopkins”) makes any representations or warranties, express or implied, with respect to the information provided herein or to its use. Johns Hopkins shall not be liable for any loss, damage, or claim incurred from reliance on the information provided.*
OPTION A: PPE Sequence for Inpatient Care using PAPRs

**BEFORE ENTERING** the patient room or biomode unit

1. Perform hand hygiene.
2. Put on PAPR belt/pack.
3. Put on gloves.
4. Put on fluid resistant gown with thumb loops (e.g., yellow gown).
5. Examine the PAPR hood, use only if not cracked or damaged. Turn on the PAPR, put on the hood and connect the hose.
6. Put on second pair of gloves.

**BEFORE LEAVING** the patient room

1. Perform hand hygiene with alcohol based hand sanitizer and remove outer gloves.
2. Remove gown at the shoulders and pull it off by touching the outside.
3. Pull the gown at the waist and ball up the gown and throw it away.
4. Close door as you leave the patient’s room.
5. Perform hand hygiene with alcohol based hand sanitizer.

**AFTER LEAVING** the patient room or biomode unit

1. Perform hand hygiene with alcohol based hand sanitizer.
2. Unhook hose.
3. Bend at waist and take off hood. Avoid touching face.
4. Perform hand hygiene with alcohol based hand sanitizer.
5. Undo PAPR belt and remove PAPR. Wipe down the outside of the PAPR and battery pack with a disinfectant wipe used at your facility.
6. Remove gloves.
7. Perform hand hygiene.
## OPTION B: PPE Sequence for Inpatient Care using N95 Respirators with Eye Protection

### BEFORE ENTERING the patient room or biomode unit

1. Perform hand hygiene.
2. Put on a **fit-tested** N95 respirator.
3. Put on gloves.
4. Put on fluid resistant gown with thumb loops (e.g., yellow gown).
5. Put on eye protection (e.g., disposable fluid shield or disposable goggles).
6. Put on second pair of gloves.

### BEFORE LEAVING the patient room

1. Perform hand hygiene with alcohol based hand sanitizer and remove outer gloves.
2. Remove gown at the shoulders and pull it off by touching the outside.
3. Pull the gown at the waist and ball up the gown and throw it away.
4. Perform hand hygiene with alcohol based hand sanitizer.
5. Close door as you leave the patient's room.

### AFTER LEAVING the patient room or biomode unit

1. Perform hand hygiene with alcohol based hand sanitizer.
2. Remove eye protection.
3. Perform hand hygiene with alcohol based hand sanitizer.
4. Remove N95 respirator.
5. Perform hand hygiene.
6. Remove gloves.
7. Perform hand hygiene.
## Coronavirus Disease 2019 (COVID-19)
### Inpatient Personal Protective Equipment (PPE) Guidance

<table>
<thead>
<tr>
<th>SAP #</th>
<th>Manfact Part</th>
<th>Description</th>
<th>Packaging String</th>
</tr>
</thead>
<tbody>
<tr>
<td>4743</td>
<td>1860S</td>
<td>MASK PARTICULATE RESP N95 SM</td>
<td>1CS = 6BX / 1BX = 20EA</td>
</tr>
<tr>
<td>4725</td>
<td>1860</td>
<td>MASK PARTICULATE RESP N95 REG</td>
<td>1CS = 6BX / 1BX = 20EA</td>
</tr>
<tr>
<td>190610</td>
<td>S133S-5</td>
<td>PAPR HOOD SMALL VERSAFLO (PAPR hood up to chin coverage)</td>
<td>1CS = 1PAK 1PAK = 3EA</td>
</tr>
<tr>
<td>49955</td>
<td>S133L-5</td>
<td>PAPR HOOD MED/LARGE VERSAFLO (PAPR hood up to chin coverage)</td>
<td>1CS = 1PAK 1PAK = 3EA</td>
</tr>
<tr>
<td>243026</td>
<td>BT-30</td>
<td>TUBE BREATHING ADJUSTING LENGTH 3M VERSA (goes with PAPR hood listed above)</td>
<td>1 EA = 1EA</td>
</tr>
<tr>
<td>202019</td>
<td>S-433S-5</td>
<td>HOOD VERSAFLO SMALL WHITE (PAPR hood up to neck coverage)</td>
<td>1PAK = 5 EA</td>
</tr>
<tr>
<td>240236</td>
<td>S-433L-5</td>
<td>HOOD VERSAFLO M/L WHITE (PAPR hood up to neck coverage)</td>
<td>1PAK = 5 EA</td>
</tr>
<tr>
<td>240239</td>
<td>S-103S-20</td>
<td>HEADCOVER VERSAFLO STANDARD S/M (PAPR hood up to neck coverage)</td>
<td>1 PAK = 20 EA</td>
</tr>
<tr>
<td>35866</td>
<td>BE224</td>
<td>PAPR TUBE ASSY BREATHING AIRMAT (goes with PAPR hood listed above)</td>
<td>1CS = 1 EA</td>
</tr>
<tr>
<td>236882</td>
<td>TRG400XS</td>
<td>GLV EXAM NITRILE PF FITGUARD XS</td>
<td>1CS = 10BX / 1BX = 250EA</td>
</tr>
<tr>
<td>137027</td>
<td>TRG400S</td>
<td>GLV EXAM NITRILE PF FITGUARD SM</td>
<td>1CS = 10BX / 1BX = 250EA</td>
</tr>
<tr>
<td>132286</td>
<td>TRG400M</td>
<td>GLV EXAM NITRILE PF FITGUARD MED</td>
<td>1CS = 10BX / 1BX = 250EA</td>
</tr>
<tr>
<td>236881</td>
<td>TRG400L</td>
<td>GLV EXAM NITRILE PF FITGUARD LG</td>
<td>1CS = 10BX / 1BX = 250EA</td>
</tr>
<tr>
<td>132288</td>
<td>TRG400XL</td>
<td>GLV EXAM NITRILE PF FITGUARD XL</td>
<td>1CS = 10BX / 1BX = 230EA</td>
</tr>
<tr>
<td>32972</td>
<td>4505</td>
<td>SHIELD SPLASH FACE</td>
<td>1CS = 12 BX/1BX = 24 EA</td>
</tr>
<tr>
<td>207114</td>
<td>9300FE-50</td>
<td>EYESHIELD FLIP EASE FLAT</td>
<td>1CS = 50EA</td>
</tr>
<tr>
<td>249088</td>
<td>47003</td>
<td>GOWN ISO MEDWT COATED OVERHEAD REG YEL</td>
<td>1CS = 10PAK / 1PAK = 10EA</td>
</tr>
</tbody>
</table>

These policies and all information are provided for informational purposes only and are intended to supplement, but not overrule, the judgment of a qualified medical professional. All information is meant for use by clinicians, not the general public, and does not constitute provision of medical advice nor a statement of the standard of care. This educational information is being made available in the context of the public health emergency related to the coronavirus (COVID-19) and has not been subjected to review, investigation, or testing that typically would be performed in a non-emergent situation. This information is not meant to be complete, exhaustive, or a substitute for medical professional advice, diagnosis, or treatment and should be adapted to the patient’s specific needs, available resources, and any other unique circumstances. Neither The Johns Hopkins University nor The Johns Hopkins Health System Corporation or its affiliates, or any of their employees (collectively, “Johns Hopkins”) makes any representations or warranties, express or implied, with respect to the information provided herein or to its use. Johns Hopkins shall not be liable for any loss, damage, or claim incurred from reliance on the information provided.