The following table provides guidance for determining the appropriate PPE and room criteria required for Aerosol Transmissible Diseases (ATDs) when performing Aerosol Generating Procedures (AGP). A PAPR is required for AGP for patients requiring airborne precautions.²

<table>
<thead>
<tr>
<th>Type of Procedure</th>
<th>Airborne transmitted infections² (e.g., TB, measles, varicella)</th>
<th>Novel respiratory isolation³</th>
<th>Asymptomatic with COVID-19 status unknown and/or test pending</th>
<th>All Others (Including patients with negative COVID tests)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPE</td>
<td>Room criteria</td>
<td>PPE</td>
<td>Room criteria</td>
<td>PPE</td>
</tr>
<tr>
<td>Aerosol Generating Procedure</td>
<td>PAPR² and refer to isolation table</td>
<td>Airborne isolation room</td>
<td>Fit tested N95 with eye protection (or PAPR³), gown, gloves required</td>
<td>Airborne isolation room preferred, when available⁴</td>
</tr>
<tr>
<td>No aerosol generating procedure</td>
<td>PAPR³ or fit tested N95, plus other PPE as per isolation table</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Aerosol Generating Procedures (AGP) include but are not limited to:**

- Endotracheal intubation procedure
- Extubation procedure
- Manual ventilation
- Open suction and ventilator disconnects
- Tracheostomy/laryngostoma with open suction, procedure/manipulation, ventilator disconnects
- Chest physiotherapy
- Bronchoscopy/BAL
- Laryngoscopy
- Nebulized medications
- Sputum induction

**COVID-19 testing:** Not considered an AGP. Wear N95 w/eye protection (or PAPR), gloves, gown for collection.

- Not an AGP: NG/OG placement, nasopharyngeal swab, suctioning the oropharynx, non-rebreather, face mask/face tent up to 15L, oxygen delivered via tracheostomy, NC with bubble humidification, in-line suctioning, mechanical ventilation with the circuit closed, HFNC, non-invasive ventilation, Venturi mask, endoscopy, TEE

- Do I need to be fit tested to wear PAPR equipment?
- No, but training is required. Call EHS at 415-476-1300 for information.
- How to obtain a PAPR unit
- Contact Materiel Services at 415-353-1837 (Parnassus) 885-7255 (MZ) or 476-1116 for (MB)

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1) Per Cal-OSHA regulation Title 8, Section 5199, (g) (3) (B)
2) [https://www.dir.ca.gov/title8/5199a.html](https://www.dir.ca.gov/title8/5199a.html) and isolation table
3) If you are a healthcare worker with recent COVID-19 and are between days 5-10 from your symptom onset (or if asymptomatic from your COVID-19 positive test) please refer to Occupational Health Guidance for guidance on safe N95 and PAPR use.
4) Novel Respiratory Isolation Precautions (NRI): Fit tested N95/eye protection (or PAPR), gown, gloves for all patients. Place the patient in a private room with the door closed. If the patient is receiving an AGP preferentially place patient the airborne isolation room when available.
   - Do not place any patient on NRI in a positively pressured room (e.g., protected environment rooms on 11/12 Long or C6 BMT and PICU rooms 1, 2, and 15).
5) Refer to this guidance for additional details on healthcare personnel PPE use.
6) Chest physiotherapy includes intrapulmonary percussive ventilation (IPV), high frequency chest wall oscillation (vest), chest physical therapy (CPT), Frequentor, Aerobika, pneumatic compression device

There are exceptions to the above guidance for required use of PAPR. In the following exemptions, an N95 may be worn in place of a PAPR: A) Emergent Patient Care that does not allow sufficient time to put on a PAPR, B) PAPR equipment interferes with the medical devices necessary to complete the required procedures or C) Call (415-885-3538) to report other potential exemptions for review and consideration.

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Please contact the Medical Center Safety Office at MedicalCenterSafety@ucsf.edu or 415-885-3538 with any questions or concerns.

January 31, 2024