

# Aerosol Generating Procedures (AGPs) and COVID-19

Key considerations for performing AGPs during the COVID-19 outbreak

## What are AGPs?

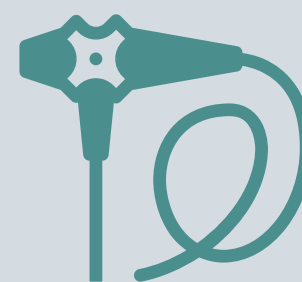
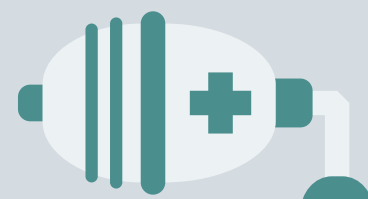
An AGP is any procedure likely to generate higher concentrations of infectious respiratory aerosols than coughing, sneezing, talking, or breathing. AGPs potentially put healthcare personnel and others at an increased risk for pathogen exposure and infection, including to COVID-19.

## What are some common AGPs?

- Open suctioning of airways
- Sputum induction
- Cardiopulmonary resuscitation
- Endotracheal intubation and extubation
- Non-invasive ventilation (e.g., BiPAP, CPAP)
- Bronchoscopy
- Manual ventilation

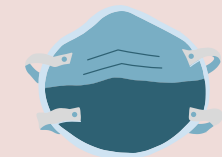
It is uncertain whether aerosols generated from some procedures may be infectious, such as:

- Nebulizer administration
- High flow oxygen delivery



## Key Considerations

Wear appropriate PPE



Perform AGPs in Airborne Infection Isolation Rooms (AIIRs), if available



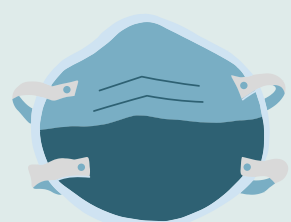
Safely limit the number of providers in AIIRs



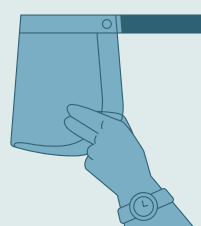
Ensure routine cleaning and disinfection



## What Personal Protective Equipment (PPE) is needed when performing AGPs?



N95 or higher level respirator



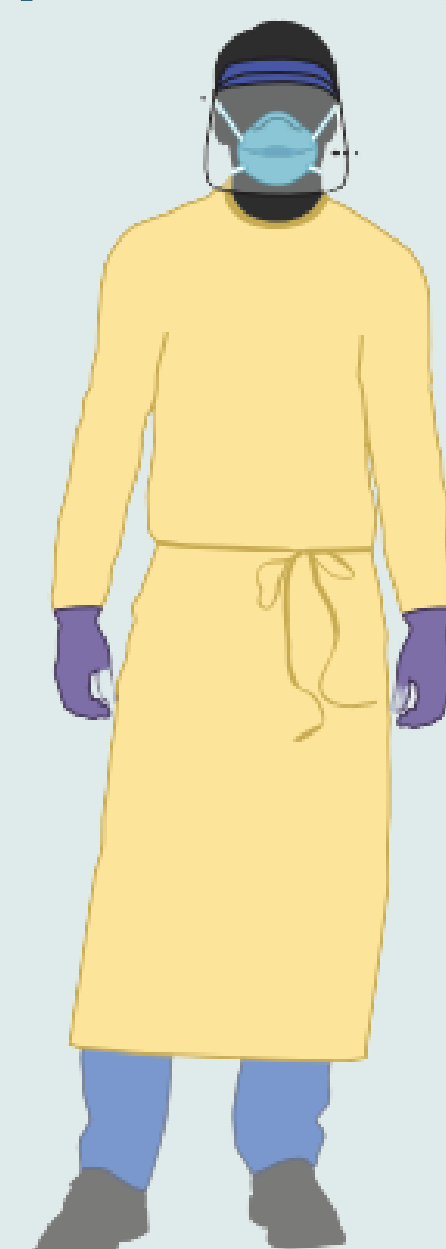
Eye protection (face shield or goggles)



Gloves



Gown



Train all staff on proper [donning](#) and [doffing](#) of PPE.