

Guidance for Use of Personal Protective Equipment PPE For High Risk Aerosol Generating Procedures (HRAGP)

The following table provides guidance to determine the appropriate PPE and room criteria required for Aerosol Generating Procedures (AGPs).
A CAPR/ N95 or similar respirator is required for high risk procedures.

		Airborne transmitted infections (e.g. TB, measles, varicella)		COVID-19 suspect (Rule out) or confirmed positive COVID-19 (novel respiratory illness)		Droplet transmitted infections (e.g. RSV, rhinovirus, parainfluenza, Meningitis, other respiratory illnesses)		No concern for Aerosol Transmission
		PPE	Room criteria	PPE	Room Criteria	PPE	Room Criteria	PPE
Type of Procedure	High Risk Aerosol Generating Procedure *Airborne Infection Isolation Room (AIIR)	CAPR or N95 with face shield, gown, gloves	Airborne Infection Respirator (Contact) Precautions AIIR	CAPR or N95 with goggles or face shield, gown, gloves	Modified Droplet isolation precaution Isolation room AIIR preferred for ongoing or continuous AGP	Mask with eye protection (face shield or goggles) gown, gloves	Droplet Isolation Precautions Private patient room preferred	Standard precautions and refer to isolation table as applicable
	Room closure after AGP		*30 min		30 min for AIIR *90 min for STD		N/A	
	Not Aerosol Generating Procedure	CAPR or N95	AIIR	Mask with eye protection (face shield or goggles) gown, gloves	Private patient room with door closed preferred	Surgical mask with goggles or face shield, gown, gloves	Private patient room preferred	

High Risk Aerosol Generating Procedures (HRAGP)		
Nebulized Medication	Intubation	SVN
Non-Invasive Ventilation Bi-pap/C-pap	Extubation	Open Suction
High Frequency Ventilation	Bronchoscopy/BAL	Autopsy
Sputum induction by RT	Laryngoscopy	CPR
Manual Ventilation	Tracheostomy	
Evidence not conclusive for High Flow Nasal Cannula		
Nasopharyngeal specimen collection: not aerosol generating, but for COVID-19 wear face protection, gloves and gown.		

- Other Droplet Transmitted infections (e.g. RSV, rhinovirus, parainfluenza, human metapneumovirus), negative respiratory viral evaluation, no concern for respiratory infection.
- When AGP performed in room without AIIR for rule out or positive COVID-19, place signage indicating that Aerosol Generating Procedure is in progress and N-95 or CAPR required for 90 minutes. Staff must wear respirator, eye protection, gown and gloves when entering patient room for the duration of 90 min.

Clinical Support during HRAGP when an N95 or CAPR are needed

- Support personnel that are assisting and/or observing beyond 6ft from the high-risk aerosol generating procedure have an option to wear a CAPR or a fit tested N-95 respirator in addition to any PPE already required.

*During the 30 or 90 minutes Room closure, staff must don Respirators CAPR, N95, etc. upon entering patient room.