

Indications for PPE Usage During Surgical/Invasive Procedures

Follow required PPE as indicated for the semi-restricted/restricted environment. These recommendations apply specifically to the procedures listed below.

Patient	Asymptomatic and/or COVID-19 Not Suspected			On Droplet/Contact Precautions AND COVID-19 Negative or Not Suspected			Suspected or Confirmed COVID-19 with or without Respiratory Symptoms		
	Intubation/Extubation	Other High-Risk AGPs*	Low Risk AGPs**	Intubation/Extubation	Other High-Risk AGPs*	Low-Risk AGPs**	Intubation/Extubation	Other High-Risk AGPs*	Low-Risk AGPs**
Surgical Mask	✓	✓	✗	✓	✓	✓	✗	✗	✓
N95 or PAPR + surgical mask	✗	✗	✗	✗	✗	✗	✓	✓	✗
Face shield/Goggles	✓	✓	✓	✓	✓	✓	✓	✓	✓
Gloves	✓	✓	✓	✓	✓	✓	✓	✓	✓
Gown	✗	✗	✗	✓	✓	✓	✓	✓	✓

*High-risk aerosol-generating procedures: open airway deep or tracheal suctioning (below the vocal cords), manual ventilation before intubation, tracheal intubation or extubation, mechanical ventilation (ED/Inpatient unit), LMA, non-invasive ventilation (BiPAP, CPAP, HFNC), high-frequency oscillator, tracheostomy, CPR, bronchoscopy, sputum induction/cough assist, nebulizer therapy, Cool Mist

**Low-risk aerosol generating procedures: NP/OP collection, MDIs, nasal cannula, insertion of NG/OG/ND/NJ tube, and closed or nasal/oropharyngeal suctioning, barium/contrast enema