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# Respirator Selection Guide for Aerosol Transmissible Diseases

The employer is responsible for selecting PPE, including but not limited to respiratory protection, appropriate for the hazard and the environment. The employer can always choose to select a higher level of respiratory protection than the minimum required.

Disease	Job Task	Respirator
Airborne infectious disease* (suspected or confirmed)	Routine patient care & support operations	At least N95
	High hazard procedures**	At least PAPR
Seasonal Influenza (suspected or confirmed)	Routine patient care & support operations	In accordance with facility policy; CDPH recommends at least permitting optional N95 use
	High hazard procedures**	At least N95
Other diseases requiring droplet precautions***	In accordance with facility policy	

\* See list on reverse or in Appendix A of ATD Standard

\*\* See definition on reverse or in ATD Standard

\*\*\* See list on reverse or in Appendix A of ATD Standard

## CAL/OSHA ATD STANDARD—DISEASES/ PATHOGENS REQUIRING AIRBORNE INFECTION ISOLATION

*(designated in the standard as “airborne infectious diseases” or AirlDs)*

- Aerosolizable spore-containing powders such as Anthrax/Bacillus anthracis
- Avian influenza/Avian influenza A (strains capable of causing serious disease in humans)
- Varicella disease (chickenpox, disseminated shingles)
- Measles (rubeola)/ Measles virus
- Monkeypox/Monkeypox virus
- Severe acute respiratory syndrome (SARS)
- Smallpox (variola)/Variola virus
- Tuberculosis (TB)/Mycobacterium tuberculosis
- Novel or unknown pathogens as defined by the standard
- Any other disease for which public health guidelines recommend airborne infection isolation

## CAL/OSHA ATD STANDARD— HIGH HAZARD PROCEDURES DEFINITION

High hazard procedures are “procedures performed on a person who is a case or suspected case of an aerosol transmissible disease (or on a specimen suspected of containing an aerosol transmissible pathogen in a laboratory), in which the potential for being exposed to aerosol transmissible pathogens is increased due to the reasonably anticipated generation of aerosolized pathogens.”

Such procedures include, but are not limited to:

- Sputum induction
- Bronchoscopy
- Aerosolized administration of pentamidine or other medications
- Pulmonary function testing
- Autopsy, clinical, surgical, and laboratory procedures that may aerosolize pathogens.

## CAL/OSHA ATD STANDARD—DISEASES/ PATHOGENS REQUIRING DROPLET PRECAUTIONS

- Diphtheria pharyngeal
- Epiglottitis, due to Haemophilus influenzae type b
- Haemophilus influenzae Serotype b (Hib) disease/ Haemophilus influenzae serotype b— Infants and children
- Influenza, human (typical seasonal variations)/ influenza viruses\*
- Meningitis
  - Haemophilus influenzae, type b known or suspected
  - Neisseria meningitidis (meningococcal) known or suspected
  - Meningococcal disease sepsis, pneumonia (see also meningitis)
- Mumps (infectious parotitis)/Mumps virus
- Mycoplasmal pneumonia
- Parvovirus B19 infection (erythema infectiosum)
- Pertussis (whooping cough)
- Pharyngitis in infants and young children/Adenovirus, Orthomyxoviridae, Epstein-Barr virus, Herpes simplex virus,
- Pneumonia
  - Adenovirus
  - Haemophilus influenzae Serotype b, infants and children
  - Meningococcal
  - Mycoplasma, primary atypical
  - Streptococcus Group A
- Pneumonic plague/Yersinia pestis
- Rubella virus infection (German measles)/Rubella virus
- Severe acute respiratory syndrome (SARS)
- Streptococcal disease (group A streptococcus)
  - Skin, wound or burn, Major
  - Pharyngitis in infants and young children
  - Pneumonia
  - Scarlet fever in infants and young children
  - Serious invasive disease
- Viral hemorrhagic fevers due to Lassa, Ebola, Marburg, Crimean-Congo fever viruses (airborne infection isolation and respirator use may be required for aerosol-generating procedures)
- Any other disease for which public health guidelines recommend droplet precautions