



**衛生防護中心**  
Centre for Health Protection

**Infection Control Branch**

**Recommended Personal Protective Equipment (PPE) in  
hospitals/clinics under different response levels (Emerging  
Respiratory Tract Infectious Diseases)**

This recommendation is applied to emerging respiratory tract infectious diseases include:

- Avian Influenza
- Middle East Respiratory Syndrome
- Severe Acute Respiratory Syndrome



衛生防護中心乃衛生署  
轄下執行疾病預防  
及控制的專業架構  
The Centre for Health  
Protection is a  
professional arm of the  
Department of Health for  
disease prevention  
and control

Apply Standard Precautions +/- transmission based precautions for all patients			
Areas	Activities	Recommended PPE	
		Alert/ Serious (S1) Response Level	Serious (S2)/Emergency Response Level
<b>High-risk patient areas</b>  I. Triage stations of Out-patient Clinics and AEDs  II. Designated clinics  III. Isolation rooms(including isolation rooms in ICU and AEDs)	Routine patient care and aerosol-generating procedures <sup>(i, ii)</sup>	A. N95 respirator B. eye protection <sup>(v)</sup> C. gown D. gloves E. cap(optional) <i>(Surgical mask could be an alternative for triage stations based on nature of encounter upon risk assessment)</i>	
	No patient contact (e.g. outside patient room)	A. Surgical mask	
<b>Other patient areas</b>	Routine patient care	A. Standard Precautions +/- transmission based precautions	(a) Surgical mask, Standard Precautions +/- transmission based precautions
	Aerosol-generating procedures <sup>(i,iii,vi)</sup>	A. Surgical mask /N95 respirator <sup>(iv)</sup> B. eye protection <sup>(v)</sup> C. gown D. gloves E. cap (optional)	(a) N95 respirator (b) eye protection <sup>(v)</sup> (c) gown (d) gloves (e) cap (optional)
	No patient contact	A. Surgical mask for signs and symptoms of respiratory infection	(a) Serious (S2) Level: Surgical mask is required in patient areas (b) Emergency Level: Surgical mask is required in ALL areas
<b>Non patient areas</b>	Non-patient areas	A. Surgical mask for signs and symptoms of respiratory infection	(a) Serious (S2) Level: Surgical mask is required in patient areas (b) Emergency Level: Surgical mask is required in ALL areas

Remarks:

- i. Aerosol-generating procedures with documented increased in risk of respiratory infection transmission are endotracheal intubation, cardiopulmonary resuscitation, bronchoscopy, open suctioning of respiratory tract (including tracheostomy care), autopsy and non-invasive positive pressure ventilation (BiPAP & CPAP). Aerosol-generating procedures with controversial/ limited studies evaluating the risk of respiratory infection transmission are high-frequency oscillatory ventilation, nebulizer therapy and sputum induction. Nasopharyngeal aspiration (NPA) and high flow oxygen are theoretically at risk of dispersal of infectious respiratory droplets, therefore they should be performed in conditions as required for aerosol-generating procedures in high-risk patient areas. Other procedures should be assessed on discretion of hospital Infection Control Officers.
- ii. In high risk patient areas, place patient in a negative pressure airborne infection isolation room (AIIR) before performing aerosol generating procedures.
- iii. In other patient areas, place patient in a well-ventilated area (e.g. at least minimum overall 6 air changes per hour (ACH) or use portable HEPA filter e.g. IQ Air if indicated) before performing aerosol generating procedures.
- iv. Based on transmission-based precautions and risk assessment.
- v. Eye protection refers to full face shield or goggles or eye-visors.

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