

Respiratory equipment recommendations for confirmed or suspected influenza in acute care

Environment: Patient in open area.
Exposure: Within 2 metres of unprotected patients, visitors, and healthcare workers.
Examples: Transport through hallways/elevators, open rooms, shared patient rooms.

	Oxygen Therapy Systems and Humidification	Respiratory Medication Delivery Systems	Noninvasive Ventilation	Therapy and Diagnostic Procedures
Spontaneously breathing patient	FiO2 requirements 0.21: <ul style="list-style-type: none"> surgical mask on patient FiO2 requirements ≤0.40: <ul style="list-style-type: none"> nasal prongs with surgical mask overtop FiO2 requirements >0.40: <ul style="list-style-type: none"> HiOx® mask with filter 	<ul style="list-style-type: none"> MDI with mask/mouthpiece and spacer 	<ul style="list-style-type: none"> Unfiltered Bipap®/CPAP not recommended (consider moving patient to negative pressure isolation room) Bipap®/CPAP with nonported mask through dual circuit filtered ventilator Philips Respironics™ circuit with expiratory port filter and nonported mask 	<ul style="list-style-type: none"> avoid percussive therapy, assist cough, spirometry and bronchoscopy procedures (consider moving patient to negative pressure isolation room)
Tracheostomy or endotracheal tube, nonventilated patient	<ul style="list-style-type: none"> HMEF with inline suction catheter, T-piece and dry large volume nebulizer 	<ul style="list-style-type: none"> MDI with spacer 	<ul style="list-style-type: none"> Use filtered ventilator if patient needs positive pressure support 	<ul style="list-style-type: none"> avoid percussive therapy, assist cough, spirometry and bronchoscopy procedures (consider moving patient to negative pressure isolation room)
Ventilated patient	<ul style="list-style-type: none"> HMEF with ventilator circuit heated humidified filtered ventilator circuit use MVU with HMEF for manual ventilation use inline suction catheter 	<ul style="list-style-type: none"> MDI into ventilator circuit 	<ul style="list-style-type: none"> not applicable 	<ul style="list-style-type: none"> avoid percussive therapy, assist cough, spirometry and bronchoscopy procedures (consider moving patient to negative pressure isolation room)

Environment: Patient in private area but not in negative pressure isolation room.
Exposure: 2 metres away from unprotected patients, visitors and healthcare workers.
 Within 2 meters of protected healthcare workers.
Examples: Private rooms without negative pressure, or open rooms with curtained partitions

	Oxygen Therapy Systems and Humidification	Respiratory Medication Delivery Systems	Noninvasive Ventilation	Therapy and Diagnostic Procedures
Spontaneously breathing patient	FiO2 requirements 0.21: <ul style="list-style-type: none"> nothing required FiO2 requirements ≤0.40: <ul style="list-style-type: none"> nasal prongs or simple face mask dry Theramist® nebulizer FiO2 requirements >0.40: <ul style="list-style-type: none"> dry Theramist® neb Oxymask™ nonrebreather mask HiOx® mask, no filter 	<ul style="list-style-type: none"> MDI with mask/mouthpiece and spacer AeroEclipse® II breath-actuated nebulizer HiOx® mask with VixOne™ nebulizer and expiratory filter Circulaire mask with filter 	<ul style="list-style-type: none"> Unfiltered Bipap®/CPAP machine not recommended (consider moving patient to negative pressure isolation room) Bipap®/CPAP with nonported mask through dual circuit filtered ventilator Philips Respironics™ circuit with expiratory port filter and nonported mask 	<ul style="list-style-type: none"> avoid percussive therapy, assist cough, spirometry and bronchoscopy procedures (consider moving patient to negative pressure isolation room)
Tracheostomy or endotracheal tube, nonventilated patient	<ul style="list-style-type: none"> HMEF with inline suction catheter, T-piece and dry large volume nebulizer 	<ul style="list-style-type: none"> MDI with spacer 	<ul style="list-style-type: none"> Use filtered ventilator if patient needs positive pressure support 	<ul style="list-style-type: none"> avoid percussive therapy, assist cough, spirometry and bronchoscopy procedures (consider moving patient to negative pressure isolation room)
Ventilated patient	<ul style="list-style-type: none"> HMEF with vent circuit heated humidified filtered ventilator circuit endotracheal/tracheal cuff pressures 25-30 cmH2O use inline suction catheter use MVU with HMEF for manual ventilation 	<ul style="list-style-type: none"> MDI into ventilator circuit 	<ul style="list-style-type: none"> not applicable 	<ul style="list-style-type: none"> avoid percussive therapy, assist cough, spirometry and bronchoscopy procedures (consider moving patient to negative pressure isolation room)

Environment: Patient in private negative pressure isolation room.
Exposure: Within 2 meters of protected healthcare workers.
Examples: Negative pressure isolation rooms.

	Oxygen Therapy Systems and Humidification	Respiratory Medication Delivery Systems	Noninvasive Ventilation	Therapy and Diagnostic Procedures
Spontaneously breathing patient	<ul style="list-style-type: none"> no restrictions 	<ul style="list-style-type: none"> no restrictions 	<ul style="list-style-type: none"> no restrictions 	<ul style="list-style-type: none"> no restrictions
Tracheostomy or endotracheal tube, nonventilated patient	<ul style="list-style-type: none"> no restrictions 	<ul style="list-style-type: none"> no restrictions 	<ul style="list-style-type: none"> use ventilator if patient needs positive pressure support 	<ul style="list-style-type: none"> no restrictions
Ventilated patient	<ul style="list-style-type: none"> no restrictions 	<ul style="list-style-type: none"> MDI into ventilator circuit 	<ul style="list-style-type: none"> not applicable 	<ul style="list-style-type: none"> no restrictions

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