

AIRBORNE PRECAUTIONS HIGHLIGHTS

			COMMU	NITY
ELEMENT	ACUTE CARE	LONG TERM CARE	CLINIC SETTING	IN HOME
SIGNAGE	Contact Precautions Droplet Precautions	Airborne Precautions Airborne Precautions for AGMPs until am/pm on date	N/A	
PPE (Personal Protective Equipment)	 Staff must wear FIT-TESTED N95 RESPIRATOR - refer to Disease Specific Protocols <u>For Tuberculosis:</u> N95 respirator is required for entry into the room or home <u>For other airborne spread microorganisms (e.g., Measles):</u> Only immune staff should enter room or home. N95 respirator NOT required if immune. If persons with unknown immunity or non-immune person <i>must</i> enter the room or home an N95 is required 			
TRIAGE / RECEPTION	Have persons suspected of having an airborne spread infection clean their hands and put on a medical mask. Place them in a single room with the door closed.			
ACCOMMODATION	Airborne Infection Isolatior Single Room if Al	N/A		
	Door must remain closed at all times			



AIRBORNE PRECAUTIONS

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AIRBORNE PRECAUTIONS PROTOCOL

1. INTRODUCTION

Airborne Precautions are required for persons diagnosed with or suspected of having infectious microorganisms (germs) spread by the airborne route. Airborne spread occurs when aerosols which contain microorganisms are inhaled and may result in infection in a susceptible host. Aerosols are solid or liquid particles suspended in the air, and can be produced when coughing, sneezing or talking, or artificially through an Aerosol Generating Medical Procedure (AGMP).^{6.1}

2. INDICATIONS 6.1

Implement Airborne Precautions as indicated in the <u>Clinical Presentation and Empiric Precautions Table</u> for your area of care (hospital, community or long term care).



DO NOT wait for the cause to be determined to initiate Airborne Precautions.

If the specific organism or infectious disease is known (has been determined), follow the measures outlined for your area of care in the <u>Microorganism, Infectious Disease Table</u>.

Some conditions and microorganism require two types of precautions (e.g. Airborne and Contact) refer to the specific combined precautions protocol for more information.

Airborne Precautions are followed **in addition to Routine Practices**. Routine Practices shall be followed at all times by all health care workers(HCWs)/staff.^{6.1}



3. INFECTION PREVENTION & CONTROL MEASURES

		F		COMMUN	IITY
ELEMENT	ACUTE CARE		LONG TERM CARE	CLINIC SETTING	IN HOME
3.1. HAND HYGIENE	Clean your hands according to the <u>4 moments of Hand Hygiene</u> : Moment 1: BEFORE initial patient/resident/client (PRC) or PRC environment contact Moment 2: BEFORE aseptic/clean procedure Moment 3: AFTER body fluid exposure risk Moment 4: AFTER PRC/PRC contact or environment contact Health care workers should avoid touching the mucous membranes of their eyes, nose and mouth with their hands to prevent self-contamination. Refer to <u>Routine Practices</u>				
3.2. PPE (Personal Protective Equipment)	N95 Respirators* For Tuberculosis For Other Airborne S Microorganisms (e measles)	A N95 respiration pread .g., mune staff should ed PRC in the inco pirator	DO NOT carry any PPE in pocket(s)! ator is required for all staff for entry into th Only immune staff should enter room or I N95 respirator is NOT required if immune N95 respirator required for unknown imm enter room or home NOT enter the rooms or homes PRCs known ubation period for these conditions, unless	e room or home home. e hune or non-immune staff w own or suspected to have as it is essential. When it	measles, or the is essential,
	N95 Respirators shall be:	Health (C Homes (F 2. Staff sho or design 3. Staff sho	DESH) or designate in Long Term Care Fa PCH) uld know the type of N95 respiratory they ate in LTCF/PCH uld only use the type of N95 respirators fo	cilities (LTCF) Personal C have been fit-tested for by r which they were fit-tested	are OESH d
Journey Tohmung 1, 200		by the National Inst	itute of Occupational Safety and Health (NIOSF	l) with an N95 efficiency ratin	g or better. <u>6.1</u>



			COMN	IUNITY
ELEMENT	ACUTE CARE	LONG TERM CARE	CLINIC SETTIN	G IN HOME
3.2 PPE cont'd	 Appropriate Respirator Use:^{6.1} Perform hand hygiene prior to putting of Staff should remain clean shaven in the Perform a seal check immediately after Avoid self-contamination; do not touch Remove the mask outside the room, in If there is an anteroom, the anteront contaminate the environment. Remove respirators carefully by the structure of the respirator if it becomes dare Change the respirator if breathing becomes dare Discard the disposable respirator immediately and Follow organization policy for reusable 	e area where the respirator edges me putting on the respirator the respirator on its external surface of the anteroom if available, or home teroom is considered a clean space be aps neck when not in use; do not reuse dis maged, wet or soiled (from the wearer omes difficult ediately after its use (i.e., dispose of w perform hand hygiene	during use and disposa e careful not to sposable respirators 's breathing or due to a hen removed from the	an external splash) face), into a hands-
3.3. SOURCE CONTRO	L			
3.3.1. Signag e	Place Airborne Precautions sign on the doc Mark off the Additional Precautions needed Contact Precautions Droplet Precautions	Airborne Precautions	optional	n/a



			COMMUN	UNITY	
ELEMENT	ACUTE CARE	LONG TERM CARE	CLINIC SETTING	IN HOME	
3.3.2. Triage / Reception	 All persons entering a Healthcare Facility should be asked and encouraged to perform hand hygiene (if able) or be assisted to perform hand hygiene if indicated^{6.1} Have practices in place to identify persons with known or suspected infection that require Airborne Precautions (e.g., infectious Tuberculosis) Have the person suspected of having an airborne infection immediately put on a medical face mask (procedure or surgical mask) – <i>not a respirator</i>, when they present to triage or the registration desk Immediately place person known or suspected to have an airborne infection directly into an Airborne Infection Isolation Room (AIIR) (formerly known as a negative pressure isolation room). Door must be closed In facilities without an AIIR place the person in a single room with the door shut. For further details please see the <u>ACCOMMODATION</u> section below. 				
3.3.3.Intubated Persons/ Persons with a tracheostomy	 Ensure appropriate N100 bacterial filter is the circuit to prevent contamination of the Perform endotracheal suctioning using a possible Place a bacterial filter on the bag valve mathematical suction is a subsequence of the bag valve mathematical subsequence of the bag valve mathmatical subsequence of the	ventilator and the ambient air closed suction apparatus where	 Ensure N95 respira system is opened of previous 3 hours pr at any time during If system is opened previous 3 hours of N95 respirator is respirator 	during the rior to the visit or the visit d for suctioning in r during visit,	
3.3.4.Infants in Incubators. <u>61</u>	Ensure an appropriate bacterial air filter is in place to avoid contamination of ambient air	n/a	n/a		





ELEMENT	ACUTE CARE	LONG TERM CARE	COMMUN	ТҮ
ELEIVIEINI	LEMENT ACUTE CARE LONG TERM CARE		CLINIC SETTING	IN HOME
3.4.1. If an AIIR is available	 Place a person known or suspected to have an airborne infection directly into an AIIR with the door closed Allow the person to remove their medical mask once in the AIIR and the door has closed. The room must meet engineering controls for AIIRs The door between the anteroom and room should not be opened if persons in the anteroom are not wearing the correct PPE. 		 Place a person known or suspected to have an airborne infection directly into an AIIR with door closed Allow person requiring Airborne Precautions to remove their mask once in an AIIR. 	n/a
	 Ensure the AIIR is in "Occu Check the pressure differer portable manometer o If the "ball-in-the-w Management (or e 	ing Airborne Precautions in an AIIR, design ipied " mode ntial using visual indicators (e.g., "ball-in-th vall" is not installed to monitor if the AIIR is equivalent) for an alternative visible indica ee <u>Appendix B</u> for process.	he-wall, smoke tube or facial t s functioning, contact Facilitie	S
3.4.2.Monitoring AllRs	• Daily Checks	Recheck the visual indicators or portable daily, when AIIRs are in use, whether of pressure sensing devices. ^{6.1} Document the results of monitoring. Rec Isolation Room Daily Negative Air Press	r not there are continuous diff efer to Appendix B: Airborne I	erential
	AllR Alarms	Do not inactivate visual or audible alar If not using room as an AIIR audible al		



			COMMUN	ITY
ELEMENT	ACUTE CARE LONG TERM CARE		CLINIC SETTING	IN HOME
	 Use the risk assess should be done in Use the following exposure to others The person considered to be 	ment to assess the priority for AIIR accorssment along with clinical judgement and collaboration with Infection Control Profecriteria to determine the risk of infectivity as a higher risk for transmission to others, so R RISK ASSESSMENT (done with IC	risk benefit analysis. This ris ssional (ICP) / designate and risk of transmission and/o hould be a priority for the AIIF	k assessment or disease and
3.4.3.When AllRs are limited	Factors to consider include (but not limited to):	 Degree of transmissibility of th "How likely is it the person can pothers?" Presence of communicable sy "Is the person having symptoms sneezing)?" Stage of recovery of the person "Is the person considered no long" Immune status of others in the e.g., surgical ward vs. transplant Frequency of AGMPs e.g., A person needing more AG someone who has infrequent AG 	bass the infectious organism of mptoms of the infection (e.g., coughin on receiving care ager infectious?" e unit/area t unit GMPs will pose a higher risk th	ng or



ELEMENT	ACUTE CARE	LONG TERM CARE		COMMUN	ITY
ELEIVIEINI	ACUTE CARE			CLINIC SETTING	IN HOME
3.4.4.When an AllR is NOT available	 closed, away from immunocomptendent The person on Airborne Precaution mask as tolerated when not insided may remove their medical face medical face	ate to determine the appropriate Precautions in a single room with nk, and bathing facilities with door romised / at risk persons ons should wear a medical face le the isolation room. The person nask once inside the room and door when entering or exiting to minimize	•	As soon as possible place the person requiring Airborne Precautions in a single room with door closed, away from immuno-compromised/at risk persons. Make sure the person requiring Airborne Precautions keeps the medical face mask on when leaving the room, the door remains closed. When person has left the facility allow sufficient time to clear the air of aerosolized droplet nuclei before using room for another person receiving care. See <u>Appendix C - Air</u> <u>Exchange Table.</u>	If the person is receiving care with Tuberculosis Home Care, consult with Public Health to determine if that person is infectious and requires Airborne Precautions
3.4.5. Cohorting	 Persons with tuberculosis must n levels of infectivity may differ Non-immune or persons for whor should not share rooms with pers herpes zoster contacts Persons known to be infected wit varicella or herpes zoster contact In the event of an outbreak or ex persons require Airborne Precau determine room placement and/or 	m immune status is unknown, sons with measles, or varicella or th the same virus (e.g., measles, or ts) may share a room posure where large numbers of tions, consult ICP/designate to		n/a	n/a



			COMMUN	ITY
ELEMENT	ACUTE CARE	LONG TERM CARE	CLINIC SETTING	IN HOME
3.5. TRANSPORT	Transport person requiring Airborne Precaution They should be accompanied by staff wheneve		oses only.	
	 Consult ICP/designate for any circumstances Securely cover skin lesions and draining wound Securely cover vesicles associated with dissent 		Ensure a medically is provid	care
3.5.1. Internal Transfer	 immune Perform hand hygiene before contact with the off PPE Assist person to perform hand hygiene and put don't have an artificial airway Avoid waiting in hallways. Precautions for Person Receiving Care:	e Precautions must wear an N95 respirator unless person, before leaving the room and after taking t on a medical mask when exiting room if they	Perform as much of the care as possible in the original clinic room the person was placed in. If the person requiring Airborne Precautions must go to another area (e.g., lab) in the facility, advise the area that Airborne	
	 Person to perform hand hygiene on leaving roc Person to wear a medical face mask and follow 	· · · · · · · · · · · · · · · · · · ·	Precautions are required and ask the person to wear a medical	
	If transfer is unavoidable, receiving unit of Airborne	-	face mask until outside of the facility.	



			COMMUN	NITY
ELEMENT	ACUTE CARE	LONG TERM CARE	CLINIC SETTING	IN HOME
3.5.1 Internal Transfer cont'd	 of the transport to minimize contamination If an air leak occurs during transport and a tube exchange Exhaled gases must be N100 filtered. Precautions for Person with Tracheostomy Add Oxygen (O₂) via trach adapter (if O₂) 	biratory Therapy for guidance regarding tube (ETT) cuff (if present) for the duration on d is not readily resolved, consider extubating 7 , Laryngectomy or ETT (non-ventilated) a needed to keep SpO ₂ more than 90%) that loops) over the person's mouth and nose rrier (i.e., face cloth) to prevent droplet 8 Unable to Wear Mask ^{6.2}	Defer ca (e.g., foot c and servic (e.g., interactic voluntee that are not m necessary until person has been to be no longer	care) ces ons with rs) iedically after the determined
	Infants: Infants should be transported in an incubator	n/a	n/a	n/a



3.5.2.Interfacility Transport	 Precautions for Transport Service See <u>Precautions for Staff</u> Follow <u>Airborne Precautions</u> at the receiving facility Person requiring Airborne Precautions can remove medical mask once in a suitable AIIR. See <u>Accommodations</u>



Notify transport service and receiving facility that Airborne precautions are needed. Document Airborne Precautions on Interfacility Transport Form/Transfer Referral Form



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			COMMUNITY	
ELEMENT			CLINIC SETTING	IN HOME
3.6. MANAGEMENT OF THE HEALTHCARE ENVIRONMENT	Follow <u>Routine Practices</u>			
3.6.1. Cleaning	 Room Discharge clean (i.e. tell At time of discharge or discontive wear an N95 respirator while of cleaning and disinfection is conclearance has elapsed. Contine whenever entering the room, or exchanges has taken place (shours have gone by if air exchanges are Known Withit Allow adequate time for air clearance 	arged/transferred complete a on of the room, cubicle or bed our facility standard operating <u>proved Disinfectant</u> . An Isolation rminal clean) is not indicated tinuation of Airborne Precautions, cleaning and disinfecting ons sign on the door until discharge mpleted and time required for air nue to wear an N95 respirator until the required amount of air ee below for more details) or 3 manges are unknown.	Once the person on Airborne Precautions has left the facility – If Air Exchanges are Known: Keep the door closed and allow adequate time according to the <u>Air</u> <u>Exchange Table</u> in <u>Appendix C</u> , to get (ideally) 99.9% and (minimally) 99% of airborne microorganisms removed from the room If Air Exchanges are Unknown: Keep the door closed and use Airborne Precautions for three hours after the person receiving care has left the room (i.e., wear an N95 respirator if entering the room within the 3-hour time period). Clean and Disinfect • The clinic room as usual between appointments with Facility Approved Disinfectant	Person to maintain routine household cleaning practices



 If Air Exchanges are Unknown (non-AIIR): Maintain Airborne Precautions for three hours after the person is discharged or Airborne Precautions are discontinued 	 All equipment used, horizontal and frequently touched surfaces.
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			COMMUNITY	
ELEMENT	ACUTE CARE	LONG TERM CARE	CLINIC SETTING	IN HOME
3.7. EDUCATION	 including: How the germ is spread When and how to clean their hand <u>Hygiene</u> How to put on, take off and dispose <u>Duration of Precautions</u> – see <u>Sec</u> Refer to <u>Airborne Precautions Fac</u> Instruct the person on Airborne Prand to cover skin lesions (wounds) Instruct visitors/Als/DCs/ to wear N had prolonged exposure to the pertor (CP/designate as needed) Inform the visitor/Al/DC that althout afforded by this mask is at a reduct on the performase of the performance of the performase of the performance of the performan	bpropriate about Airborne Precautions, Is according to the <u>4 Moments of Hand</u> se of PPE safely ction <u>4</u> below tt Sheet ecautions to wear a medical face mask) if they <i>must</i> leave the room N95 respirators unless known to have rson on precautions, discuss with ugh this is a N95 mask the protection ced level as it has not been fit tested. on how to use an N95 respirator: wear an N95 respirator k pirator outside the AIIR/private room ne following removal of the N95 C how to: endical face mask to/from the person on en out of the room with the person s the visitor is immune. <u>Sheet</u>	PPE may not be nece exposed parents, hous or caregivers who are usual care of the perse instruct as necessary	sehold members providing the



			COMMUNITY	
ELEMENT	ACUTE CARE	LONG TERM CARE	CLINIC SETTING	IN HOME
3.8. VISITOR / ACCOMPANYING INDIVIDUAL/ DESIGNATED CAREGIVER MANAGEMENT	 station before entering the room^{6.1} Only close (essential) Visitors/Accompanying Inda allowed (close family members and those provide specified by the person or alternate decision ma All persons must clean their hands when enterin Visitors/AI/DC should have access to the same I Provide instruction on hand hygiene and use of I N95 Respirators: Staff shall show visitor/AI/DC how to Although this is an N95 respirator the level as it has not been FIT tested. Educate the visitor/AI/DC on: The risk to the heal The risk of the visite The ability of the visite For Tuberculosis: Limit visitors should be limited to immediate fam Screen close contact visitors/AI/DC (e.g., housed person's home, etc.) for the presence of cough. Refer coughing DCs for Tuberculosis assessment hand hygiene and put on a medical face mask. in the same facility – have a volunteer or other metably in advance, the person has been sent ar seek medical assessment at an ED/UC as soon Until DC has been assessed they cate the sent of the sent of	g and exiting the room. PPE as staff. PPE as necessary, including an N95 respirator to seal check an N95 Respirator the protection afforded by this respirator is at a reduced are protection afforded by this respirator is at a reduced th of the visitor/Designated Caregiver or to spread infection sitor/Designated Caregiver to follow precautions ily, AI, DC. hold members or those who routinely have visited the nt immediately (e.g., have the coughing person perform If emergency department/urgent care (ED/UC) available nember of staff escort them to the ED/UC. Notify ad why. For facilities without an ED/UC ask the DC to as possible. annot to attend the facility. If it is absolutely essential al mask at all times while in the facility.	All persons must clean their hands when entering and exiting the facility PPE is usu necessary exposed pa household members of caregivers providing th care of the or child	ally not for arents, ar who are ne usual



 For Airborne Spread Microorganisms: Visitors/AI/DC must be confirmed to be immune to the specific infection for which the patient/resident is on precautions. If visitors are non-immune or immune status is unknown, they may be permitted if they are designated caregivers or in exceptional circumstances. These DC must wear an N95 respirator. See <u>N95 respirators bullet</u> above All DCs should not visit other people after visiting a person on Airborne Precautions and shall be instructed accordingly. 	



4. DURATION OF PRECAUTIONS

Discontinue Airborne Precautions when the person can no longer spread germs and adequate air exchanges have been completed. See applicable disease in the <u>Clinical Presentation and Empiric Precautions Table</u>, or the <u>Microorganism</u>, <u>Infectious Disease Table</u> for your area of care (hospital, long term care or community). If air exchanges are **known**, allow adequate time according the to the <u>Air Exchange Table in Appendix C</u> below, for ideally 99.9% and minimally 99% of airborne microorganisms to be removed from the room. If air exchanges are **unknown** maintain Airborne Precautions for three hours after the person is discharged or Airborne Precautions are discontinued the <u>Additional Precautions</u> sign may only be removed when this time has passed.⁶¹

5. OCCUPATIONAL HEALTH

Contact Occupational and Environmental Safety and Health (OESH) / Occupational Health designate for staff assessment and/or concerns.

6. REFERENCES

- 6.1 <u>Routine Practices and Additional Precautions: Preventing the Transmission of Infection in Health Care.</u> (June 2019). Manitoba Health. Accessed November 21, 2019.
- 6.2 Patient Transport, Dr. J. Embree, expert opinion (2017), February 10), email.
- **6.3** Johnston, N., Good, M., Nicol, L., Simcoe, T., Zarembo, M., Winnipeg Regional Health Authority Respiratory Therapy. Expert opinion July 2015 email.
- **6.4** CSA-Z317.2-15 Special Requirements for heating, ventilation, and air-conditioning (HVAC) systems in health care facilities. Table 5 Monitoring of System Performance.
- 6.5 Manitoba Health. COVID-19 <u>Provincial Guidance for Aerosol Generating Medical Procedures</u> (AGMPs). (July 14, 2020).
- **6.6** AllR alarms. Craig Doerksen Executive Director Capital and Facilities Management, expert opinion (2020, August) email.
- **6.7** Visitor use of N95 Respirators without fit test. Kelsey S. McCue, Legal Counsel Health Law. Memo March 23, 2023.



Appendix A: AIIR Prioritization

Priority for AIIRs includes, but is not limited to (listed in priority):

- 1. Novel Pathogens i.e.: Severe Acute Respiratory Illness (SARI)
- 2. Viral Hemorrhagic fever
- 3. Smallpox or Mpox
- 4. Proven or suspected infectious respiratory tuberculosis (includes pleural or laryngeal) as well as multi-drug resistant (MDR) or extensive drug resistant (XDR)
- 5. Measles
- 6. Laboratory confirmed active respiratory TB (sputum smear positive for AFB or culture positive MTB) or clinically confirmed (committed to TB treatment) with priority for most infectious
- 7. TB under investigation
- 8. Varicella
- 9. When an Aerosol Generating Medical Procedure (AGMP) is anticipated and respiratory TB or other pathogens spread by the airborne route are suspected or confirmed.



*When requests for patient prioritization do not follow the suggested list, Infection Prevention and Control/designate shall determine the priority for use of the AIIR.



Appendix B: Airborne Infection Isolation Room (AIIR) Daily Negative Air Pressure Monitoring

The negative pressure in an AIIR should be checked <u>daily</u> by unit/area staff when negative pressure is activated, and room is being used as an AIIR¹

 To check the negative pressure in a room, hold the tissue or smoke tube near the bottom of the door, approximately 5 cm (2 in) in front of the door. If using a smoke tube: Generate a small amount of smoke by gently squeezing the bulb If using a smoke tube: Generate a small amount of smoke by gently squeezing the bulb Notice if the red ball is present or absent in the cylinder means the ball has been pulled into the wall due to the megative pressure;	Ball-in-the-Wall Method	Tissue or Smoke Test	Portable Manometer
smoke tube. However, the quantity of smoke issued from the tube is minimal and is not detectable at short distances from the tube.	 <i>wall</i>" indicator above or near the door of the AIIR Notice if the red ball is present or absent int the cylinder If the room has negative pressure: a. The ball is not seen in the cylinder means the ball has been pulled into the wall due to the negative pressure. If the room does not have negative pressure: a. The ball can be seen in the cylinder means the negative air pressure is 	 door, approximately 5 cm (2 in) in front of the door. a. If using a smoke tube: Generate a small amount of smoke by gently squeezing the bulb b. The smoke tube should be held parallel to the door, and the smoke should be released slowly from the tube to ensure that the velocity of the smoke does not overpower the air velocity. The smoke will travel in the direction of airflow c. If using a tissue: hold the tissue loosely between two fingers and let the tissue dangle down 2. This test must be performed outside the room with the door closed. 3. If the room has negative pressure: a. The smoke will travel under the door and into the room (e.g., from higher to lower pressure) b. A tissue will be drawn towards the room 4. If the room <u>does not have negative pressure</u>: a. the smoke will be blown outwards or will remain still b. tissue will be blown outwards or will remain still 5. If there is an anteroom, release smoke at the inner door as above, with both anteroom doors shut 6. In addition to the main entry, some isolation rooms or areas are accessed through a wider wheeled-bed stretcher door. Test all door entrances to isolation rooms or areas 7. If room air cleaners are being used in the room, they should be running during the test. 	NOTE: This may not be an option in all facilities. Please consult with Facilities Management (or equivalent) to arrange for and set up a portable



Appendix B: Airborne Infection Isolation Room (AIIR)

				Admit Date:	
			Room #:		
			Unit #:		
	<u>j</u>			Date AllR activa	ted: dd/mm/yyyy
				Time AIIR activa	ted: xx:xx
METHOD:	□ Ball-i	n-the-Wall 🛛 (Facial) Tissue	□ Smoke Tube	□ Manomete	r 🗆 Other
DATE	TIME	NEGATIVE PRESSURE OBSERVED	NEGATIVE PRESSURE I	NOT OBSERVED	CORRECTIVE ACTION



Appendix C: Air Exchanges – Time Needed (by Number of Air Changes per Hour) to Remove Airborne Microorganisms *This table was adapted from the <u>CDC Recommendations: Centers for Disease Control and Prevention. Guidelines for preventing the transmission of Mycobacterium tuberculosis in healthcare settings</u>

AIR Changes	MINUTES REQUIRED FOR REMOVAL OF AIRBORNE MICROORGANISMS		
PER HOUR	99%	99.9%	
2	138	207	
4	69	104	
6	46	69	
12	23	35	
15	18	28	
20	14	21	
50	6	8	

Appendix D: Airborne Precautions in the Operating Room (OR) Environment

Requirement	Airborne Precautions shall be maintained at all times within the OR environment (e.g. Pre-op, OR Theatre, Post-Op, etc.)
Pre-Operative	 Postpone until the person receiving care (patient) is non-infectious *Exception E1 or E2 cases Consider scheduling the case at the end of day or ensure appropriate time post operatively to allow for adequate air exchanges. Notify Patient Transport Services, receiving area and recovery area as appropriate regarding the need for Airborne Precautions in advance.
Transportation	See 3.5.1 Internal Transfer
Inter-Operative	 Post an <u>Additional Precautions</u> sign on the OR door indicating Airborne Precautions are to be followed. Maintain OR Theatre in normal air handling system operation (i.e. positive pressure). Minimize theatre door opening and closing.
Appropriate PPE	 Patient should wear a surgical mask if possible and tolerated. All staff entering the OR theatre shall wear an N95 respirator unless immune.
Code Blue	 Code Blue Team entering the OR theatre shall wear an N95 respirator unless immune. No special considerations for the code blue cart.
Post-Operative	 Keep the OR theatre door closed after the patient leaves the theatre. If air exchanges are unknown, maintain Airborne Precautions for one hour after the patient has left OR. If air exchanges are known, allow adequate time according to the Air Exchange Table in <u>Appendix C</u>, for ideally 99.9% and minimally 99% of airborne microorganisms to be removed from the room. The Airborne Precautions sign may be removed when this time has passed and OR has been cleaned. Notify the receiving area re: need for Airborne Precautions. See Section <u>3.5.1 Internal Transfer</u>.
Operating Room Theatre Environmental/Instrument Cleaning	 If cleaning occurs prior to adequate air exchanges, staff must wear N95 respirator unless immune. Follow routine cleaning procedures. No special cleaning procedures are required while Airborne Precautions are in place, when discontinued, or upon patient discharge. <i>Please refer to the Evidence Informed Practice Toll (EIPT) <u>Guidelines for Routine Environmental Cleaning of the Operating Room.</u></i> Leave Additional Precautions sign on the OR door until cleaning and disinfection is complete.



References

- 1. The ORNAC Standards, Guidelines and Position Statements for Perioperative Registered Nurses (14th ed.). (2019). Operating Rooms Nurses Association of Canada (ORNAC).
- 2. Routine Practices and Additional Precautions: Preventing the Transmission of Infection in Health Care. (June 2019). Manitoba Health.
- 3. <u>110.050.010 Code Blue Team Resuscitation in Acute Care ADULT</u> (2017) Winnipeg Regional Health Authority.
- 4. Canadian Tuberculosis Standards 8th Edition. (2022, March 25). Public Health Agency of Canada. Available at: <u>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine: Vol 6, No sup1 (tandfonline.com)</u>