



Construction, Renovation and Maintenance Infection Control Risk Assessment

Location of Construction:	Project No.:
Project Coordinator:	Project Start Date:
Work Performed by: <input type="checkbox"/> Contractor _____	Phone #: _____
<input type="checkbox"/> Maintenance Contact Person: _____	Phone #: _____
Supervisor: _____	Phone #: _____
	Estimated Duration:

STEP 1 Identify the "Type of Construction Activity"

Type A <input type="checkbox"/>	Inspection and Non-Invasive Activities. Include, but is not limited to, removal of ceiling tiles for visual inspection limited to 1 tile per 50 square feet, painting (but not sanding), wall covering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls or access to ceilings other than for visual inspection.
Type B <input type="checkbox"/>	Small scale, short duration activities which create minimal dust. Includes, but is not limited to, instillation of telephone and computer cabling, access to chase spaces, cutting of walls or ceiling where dust migration can be controlled. It also includes plumbing that requires disruption to the water supply to more than one patient care area (e.g., >2 rooms) for less than 30 minutes.
Type C <input type="checkbox"/>	Any work, which generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies. Included, but is not limited to, sanding of walls for painting or wall covering, removal of floor coverings, ceiling tiles and casework, new wall construction, minor duct work or electrical work above ceilings, major cabling activities, and any activity which cannot be completed within a single work shift. It also includes plumbing that requires disruption to the water supply of more than one patient area (e.g., >2 rooms) for more than 30 minutes but less than one hour.
Type D <input type="checkbox"/>	Major demolition and construction projects. Includes, but is not limited to, activities which require consecutive work shifts, requires heave demolition or removal of a complete cabling system, and new construction. It also includes plumbing that results in disruption of the water supply of more than one patient care area (e.g., >2 rooms) for more than 1 hour.

STEP 2 Using the following table identify and circle the "Population Risk Groups"

Group 1 Lowest Risk	Group 2 Medium Risk	Group 3 Medium to High	Group 4 High Risk
<ul style="list-style-type: none"> • Office areas • Unoccupied wards • Public area • Laundry and 	<ul style="list-style-type: none"> • Patient care areas unless listed in Group 3 or 4 • Outpatient 	<ul style="list-style-type: none"> • Emergency room (except trauma rooms) • Diagnostic Imaging 	<ul style="list-style-type: none"> • ICU's • Operating rooms (including prep, induction, PACU, and scrub areas) • Anaesthesia storage areas

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<ul style="list-style-type: none"> soiled linen cleaning areas • Physical plant workshops and housekeeping areas 	<p>clinics (except oncology and surgery)</p> <ul style="list-style-type: none"> • Admission and discharge units • Waiting rooms • Autopsy and morgue • Occupational therapy areas remote from patient care areas • Physical therapy areas remote from patient care areas 	<ul style="list-style-type: none"> • Labour and Delivery (LDRP) • Newborn Nurseries • Nuclear medicine • Hydrotherapy • Echocardiography • Laboratories • General medical and surgical wards • Pediatrics • Geriatrics • Long Term care • Food preparation, serving, and dining areas • Respiratory therapy • Clean linen handling and storage areas 	<p>and workrooms</p> <ul style="list-style-type: none"> • Oncology units and outpatient clinics for cancer patients • Transplant units and outpatient clinics • Wards and outpatient clinics for patients with AIDS or other immunodeficiency diseases • Dialysis units • Critical care nurseries (NICU) labour and delivery operating rooms • Cardiac catheterization and angiography areas • Cardiovascular and cardiology • Endoscopy • Pharmacy admixture rooms • Sterile processing and supply • Central processing department • Burn care units • Trauma rooms • Isolation rooms • Tissue culture laboratories • Bronchoscopy, • Cystoscopy • Pacemaker insertion rooms • Dental procedure rooms
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Preventative Measures Analysis				
STEP 3 Match the patient Risk Level with the Construction Activity Level				
	Type A	Type B	Type C	Type D
Population Risk Group				
GROUP 1	CLASS I	CLASS II	CLASS II	CLASS III – IV
GROUP 2	CLASS I	CLASS II	CLASS III	CLASS IV
GROUP 3	CLASS I	CLASS III	CLASS III – IV	CLASS IV
GROUP 4	CLASS I – III*	CLASS III - IV	CLASS III - IV	CLASS IV
STEP 4 Determine Preventative Measures Required:				
* An Infection Control Permit will be required when the Construction Activity and Risk Level indicate that Class III and Class IV control procedures are necessary. Each class includes the preceding class's preventative measures. Attach this Risk Assessment to the permit for IP&C approval.				
√	Class	During Construction Project	Upon Completion of Project	
	I	<ul style="list-style-type: none"> • Execute work by methods to minimize raising dust from construction operations • Immediately replace a ceiling tile displace for visual inspection 	<ul style="list-style-type: none"> • Clean work area upon completion of task 	
	II	<ul style="list-style-type: none"> • Provide active means to prevent airborne dust from dispersing into atmosphere • Water mist work surfaces to control dust while cutting • Seal unused doors with duct tape • Block off and seal air vents • Place dust mat at entrance and exit of work area • Remove or isolate HVAC system in areas where work is being performed 	<ul style="list-style-type: none"> • Wipe work surfaces with disinfectant • Contain construction waste before transport in tightly covered containers • Wet mop and /or vacuum with HEPA filtered vacuum before leaving work area • Remove isolation of HVAC system in areas where work is being performed 	
	III*	<ul style="list-style-type: none"> • Remove or isolate HVAC system in area where work is being done to prevent contamination of duct system • Complete all critical barriers (sheetrock, plywood, plastic) to seal areas from non work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins • Maintain negative air pressure within work site utilizing HEPA equipped air filtration units • Contain construction waste before transport in tightly covered containers • Cover transport receptacles or carts. Tape covering unless solid lid 	<ul style="list-style-type: none"> • Do not remove barriers from work area until completed project is inspected by IP&C and thoroughly cleaned by Housekeeping. • Removed barrier materials carefully to minimize spreading of dirt and debris associated with construction • Vacuum work area with HEPA filtered vacuums • Wet mop area • Removed isolation of HVAC system 	

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	IV*	<ul style="list-style-type: none"> ▪ Isolate HVAC system in area where work is being done to prevent contamination of duct system ▪ Complete all critical barriers (sheetrock, plywood, plastic) to seal areas from non work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins ▪ Maintain negative air pressure within work site utilizing HEPA equipped air filtration units ▪ Seal holes, pipes, conduits, and punctures ▪ Construct anteroom and require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving work site or they can wear clothe or paper coveralls that are removed each time they leave the work site ▪ All personnel entering work site are required to wear shoe covers. Shoe covers must be changed each time the worker exits the work area ▪ Do not remove barriers from work area until completed project is inspected by IP&C and thoroughly cleaned by housekeeping 	<ul style="list-style-type: none"> ▪ Remove barrier material carefully to minimize spreading of dirt and debris associated with construction ▪ Contain construction waste before transport in tightly covered containers ▪ Cover transport receptacles or carts. Tape covering unless solid lid ▪ Vacuum work areas with HEPA filtered vacuums ▪ Wet mop area ▪ Removed isolation of HVAC system
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