

When to use this checklist: Planning phase

This checklist identifies core infection prevention and control (IPAC) elements to consider when you perform the infection control risk assessment (ICRA) and when you provide input into the facility’s functional programs.

*The ICRA considers the facility’s patient/client/resident population served when determining the type and number of elements in the design. Use this checklist to identify critical planning and design features and to document the level of preventive measures required to prevent the spread of microorganisms.

** Functional programs are the planning documents that provide the required specifications within the allotted space. They are based on its intended use and the population it serves.*

DATE: _____

AREA/UNIT: _____

COMPLETED BY: _____

ICRA Elements	Required	Areas Required Comments
Building Design		
Numbers, location, and types of airborne isolation (AIR) and protective environment (PE) rooms		
Location of special ventilation and filtration by HVAC systems (e.g., in operating rooms, and emergency department triage, waiting, and intake areas)		
Air handling and ventilation needs in surgical services, AIR and PE rooms, laboratories, etc.		
Water systems to limit Legionella spp. and other waterborne opportunistic pathogens		
Appropriate finishes, furnishings and surfaces (i.e., do not encourage growth of microorganisms and are capable of withstanding repeated exposure to a healthcare-grade cleaner/disinfectant)		
Placement of personal protective equipment for use in delivery of care		
Sufficient space, number and types of rooms to allow for the appropriate placement of patients		

CRMD Checklist: Infection control risk assessment

ICRA Elements	Required	Areas Required Comments
Number and locations of inpatient rooms designated as single-bed rooms. Exceptions for inclusion of multi-bed rooms when need is demonstrated		
Single occupancy patient treatment areas (inpatient or outpatient)		
New Building Site		
Number, location and design of plumbed hand-washing stations, including soap dispensers and paper towel dispensers		
Number and location of alcohol-based hand rub (ABHR) dispensers		
Waste management system should be chosen based on the needs of the facility and with input from the end users		
Requirements for reprocessing areas		
Number and locations of emergency / first-aid requirements (eye-wash stations)		
Number and location of storage areas for patient-care equipment		
Number and location of housekeeping closets		
Existing Building Site		
Impact of disruption to essential services to patients/clients/residents and employees Could include water or ventilation shutdowns that may require the relocation of patients to other areas during the renovation		
Impact to patients/clients/residents with respect to moving debris, traffic flow, and cleanup Facility may need to consider redirecting traffic patterns for patients, staff and supplies to minimize exposure to dust and other contaminants associated with construction		

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ICRA Elements	Required	Areas Required Comments
<p>Identification of specific hazards and additional protective measures that may be required</p> <p>Could include asbestos removal during renovation projects which requires a higher level of preventive measures</p>		
<p>Identification and location of known hazards</p>		
<p>Location or relocation of patients/clients/residents based on susceptibility to infection and definition of risks to each. Determined by using the risk assessment matrix to identify type of work being done and location within facility (See CSA Z317.13)</p>		
Preventive Measure Analysis		
<p>Identification of the required preventive measures to protect adjacent areas and susceptible patients/clients/residents from airborne and waterborne contaminants</p>		
<p>Patient/client/resident placement and relocation</p>		
<p>Interim provisions identified for heating, ventilating, air conditioning, and water supply systems</p>		

CRMD Checklist: Infection control risk assessment

References

1. Canadian Standards Association, Z8000-11 Canadian Health Care Facilities, No. 1, September 2011.
2. Canadian Standards Association Z317-13.12, Infection Control during Construction, Renovation and Maintenance of Health Care Facilities, 2012.
3. Association for Professionals in Infection Control and Epidemiology; APIC State-of-the-Art Report: The role of infection control during construction in health care facilities. Judene Mueller Bartley, MS, MPH, CIC; The 1997, 1998, and 1999 APIC Guidelines Committees.
4. Judene B, editor. Infection control toolkit series. Construction and renovation. 2nd ed. Washington, DC: Association for Professionals in Infection Control and Epidemiology;2002.
5. Ontario. Ministry of Health and Long-Term Care. Space planning guide for community health care facilities. Toronto, ON: Queen's Printer for Ontario; 2015. Available upon request from:
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