

Infection Control Risk Assessment (ICRA) Tool: Construction, Renovation, Maintenance and Design (CRMD)

Section A: Project Scope

Location of construction / renovation:

Other areas and systems impacted ie. adjacent area and HVAC systems:

Project Description:

Projected Start Date: Estimated Duration:

Project Manager:

Phone / Email:

Maintenance Department:

Phone / Email:

Department/Unit lead for impacted area:

Phone / Email:

Contractor(s):

Phone / Email:

IPAC Lead:

Phone / Email:

Section B: Construction Activity

Select construction activity type based on project description.

Type A: Inspection, non-invasive activity above ceiling or in wall cavity and minor plumbing work of short durations.

Type B: Small scale, short duration, creates minimal dust and plumbing.

Type C: Work generates moderate to high level of dust, or requires demolition or removal of fixed component or assembly or requires more than 1 work shift to complete and plumbing.

Type D: Work generates high level of dust, or major demolition and construction requiring consecutive work shifts to complete and plumbing.

Section C: Population and Geographical Risk Group

Select population and geographical risk group where construction activity occurs.

Group 1: Lowest Risk

Group 2: Medium Risk

Group 3: Medium / High Risk

Group 4: Highest Risk

Section D: Classification for Infection Preventative Measures

Based on selections in section B and C, assign Preventive Measures class.

IPAC Lead Sign-off:

	Type A	Type B	Type C	Type D
Group 1	Class 1	Class 2*	Class 2	Class 3
Group 2	Class 2	Class 2	Class 3	Class 4
Group 3	Class 2	Class 3*	Class 3	Class 4
Group 4	Class 2	Class 3*	Class 4	Class 4

Project Manager Sign-off:

*Indicates where a lower level might be used i.e. Ceiling access for investigation of minor work

Section E: Preventive Measures Compliance Monitor

To Be Completed by IPAC

Date:	Meets Prevention Measures		Issues	Action Taken / Initials	Compliance Date:
	Yes	No			
	Yes	No			
	Yes	No			
	Yes	No			

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When to use this assessment tool:

Planning phase

Work phase

Commissioning phase

Background

Establishing risk associated with a particular CRMD activity is a critical first step that informs the selection of the most appropriate preventive measures and risk mitigation strategies to ensure the safety of clinical environments and their mechanical systems (i.e., HVAC and Plumbing systems).

This ICRA tool is designed to facilitate IPAC risk assessment by guiding those overseeing CRMD work (e.g., members of a multidisciplinary project team, project lead, facilities department staff) through the identification of risk groups that may be affected by their proximity or potential exposure to the proposed CRMD work. Appropriate IPAC measures are identified by considering the nature of activity with the population and setting.

This tool is to be completed by those overseeing the work with IPAC being consulted for specific guidance on the most appropriate preventative measures for the proposed work. Therefore, the tool also establishes a link between the IPAC Lead and others involved in the construction activity, which ensures construction related health care associated infections are prevented.

Instructions for Use

The IPAC lead must be involved in all 3 phases of CRMD activity to ensure that the appropriate preventative measures are initiated and followed.

Step 1: Fill out Section A-demographic section

Step 2: Fill out Section B by selecting the level of activity that best describes the project being planned for the health care setting.

Step 3: Fill out Section C by identifying the population and or geographical risk group that may be affected by the project because of its proximity or exposure to the construction/renovation activity.

Step 4: Fill out Section D with the appropriate IPAC measures by matching the population and geographical risk group in Section C with the Construction activity in Section B. Ensure IPAC signoff on agreed preventative measures.

Step 5: Section E should be completed by an IPAC lead during their CRMD surveillance to ensure that the preventative measures are being adhered to and that appropriate modifications are made if there are any design changes.

A copy of the ICRA tool should be sent to the IPAC lead prior to the initiation of the CRMD activity. The project team lead can print or email this fillable pdf tool.

The scope of the project may change and adaptations to the prevention measures can be made only after approval from the IPAC lead and the members of the multidisciplinary project team.

Conclusion

This tool will provide those involved with CRMD activity a clear approach to both establishing and communicating risk associated with the work. Additionally, the tool will prompt IPAC consultation, resulting in the appropriate selection and application of preventive measures.

Reference

CSA Group. CSA Z317.13.22: Infection control during construction, renovation and maintenance of health care facilities. Toronto, ON: CSA Group; 2022.

The information in this document is current as of July 2023.

For more information, please visit: publichealthontario.ca/CRMD