

# CHICA-Canada Healthcare Facility Design and Construction Interest Group Survey 2006

## Instructions:

Please fill out one survey per facility. Please answer all questions reflecting your current Infection Prevention and Control Program. All responses will be compiled and presented to CHICA-Canada members at a later date. The results will be grouped by province, type of facility, size of facility, etc.

Please note that by sending in this survey you are consenting to publication/release of your data. At no time will healthcare facility names/sites be revealed. Thank you in advance for taking the time to take this survey.

## 1. Contact Information

Name:	
Title/Position:	
Facility Name(s):	
City/Province	
Email:	

Please email or mail completed survey by December 1st, 2006<sup>th</sup> to:

Email: [maja.mcquire@sunnybrook.ca](mailto:maja.mcquire@sunnybrook.ca)  
Address: Attn: Maja McGuire, Infection Prevention and Control  
2075 Bayview Avenue, Office B112,  
Toronto, ON Canada M4N 3M5

## 2. Facility Demographics

How many healthcare sites do your Infection Prevention and Control Team work with (satellite centers, clinics, etc.)?

What type of healthcare facility (acute care, LTC, Complex Care, Rehab)?

Site 1:

Site 2:

Site 3:

Site 4:

How many beds at each site? Please circle your answer.

Site 1: a) <50   b) 50-100   c) 100-250   d) 250-500   e) >500

Site 2: a) <50   b) 50-100   c) 100-250   d) 250-500   e) >500

Site 3: a) <50   b) 50-100   c) 100-250   d) 250-500   e) >500

Site 4: a) <50   b) 50-100   c) 100-250   d) 250-500   e) >500

How old is each site: Please circle your answer.

Site 1: a) <5yrs   b) 5-10yrs   c) 10-20yrs   d) >20yrs

Site 2: a) <5yrs   b) 5-10yrs   c) 10-20yrs   d) >20yrs

Site 3: a) <5yrs   b) 5-10yrs   c) 10-20yrs   d) >20yrs

Site 4: a) <5yrs   b) 5-10yrs   c) 10-20yrs   d) >20yrs

How many wings in each facility/site?

Site 1:

Site 2:

Site 3:

Site 4:

How old is the oldest part of your facility?

Do any of the wings have heating, ventilation, or air conditioning systems outside of the central air handling systems (i.e. radiators)? Circle your answer.

a) Yes                      b) No

How many CSA/AIA approved negative pressure rooms in your facility in:

- a) In your emergency department?
- b) On patient care units?
- c) In outpatient areas/clinics?

How many temporary/makeshift negative pressure rooms do you have set up using portable HEPA filtration units (i.e. Nature's Quarters) hooked up to the exhaust duct in the room?

Do you have access to portable HEPA filtration units (i.e. Nature's Quarters)?  
If so how many?

How many cooling towers do your facilities have?

Site 1:  
Site 2:  
Site 3:  
Site 4:

Do you have copper-silver ionization installed in your cooling towers?

a) Yes                      b) No

### 3. IP&C Human Resources

Number of Infection Prevention and Control (IP&C) Team Members? (not including management)

Number of IP&C support staff and management?

Does your facility have one or more dedicated Infection Control Professionals who look after healthcare design, construction and renovation issues?

How many people on your IP&C team have taken the Canadian Standards Association (CSA) seminar on Infection Control during Healthcare Construction and Renovation?

Does IP&C provide education sessions/orientation for outside contractors relating to hospital policy on healthcare construction and renovation? If yes, how often?

Does IP&C provide education sessions/orientation for your own facilities/physical plant/maintenance staff relating to hospital policy on healthcare construction and renovation? If yes, how often?

Does your department have a portable particle counter? If yes, what brand?

Does your department have a portable negative pressure gauge for quick measurement of pressure differential in contained construction work zones?

a) Yes                      b) No

Does IP&C have the authority to initiate project stoppage due to unsafe procedures/improper containment?

a) Yes                      b) No

What is the process you follow to initiate work stoppage? (I.e. via senior management, through a multidisciplinary committee, immediate stoppage, etc.)

Have you ever had to initiate the stoppage of a construction/renovation project due to unsafe procedures/improper containment? Please elaborate in detail.

#### 4. Design and Planning

Is an Infection Control Professional from your team included in user groups/steering committee's for new design/renovation projects?

a) Yes                      b) No

In new design/renovation planning is an Infection Control Risk Assessment tool/preventative analysis used to ensure minimum AIA design standards are met? (I.e. appropriate number of sinks, spacing between beds, etc.)

a) Yes                      b) No

For large scale construction does your facility regularly employ a third party for quantitative or qualitative environmental monitoring?

a) Yes                      b) No

Does IP&C review all surfaces and floor coverings to be used for new design/renovation projects in your facility?

a) Yes                      b) No

Have mock ups of new design been used to visualize space/size/etc for new design/renovation projects?

a) Yes                      b) No

#### 5. Construction and Renovation

Does your facility have an infection control policy related to construction and renovation?

a) Yes                      b) No

If yes, is this policy incorporated into a corporate policy on design and construction?

a) Yes                      b) No

How is this policy communicated to external users/contractors?

Does your facility use an Infection Control Risk Assessment (ICRA) tool for all ceiling/wall access and/or renovation? (I.e. Use of population risk group and type of construction activity to determine required level of containment measures)

a) Yes                      b) No

Is the ICRA tool used to determine containment requirements for projects planned through your facilities Corporate Planning and Development department? (i.e. small and large scale construction using an outside contractor)

a) Yes                      b) No

Is the ICRA tool used to determine containment requirements for projects planned through your facilities maintenance/power plant staff? (i.e. plumbers, electricians, carpenters, etc.)

a) Yes                      b) No

Is the ICRA tool used to determine containment requirements for projects planned through your Information Services department? (i.e. cabling requests)

a) Yes                      b) No

Does IP&C check hoarding set up prior before they start working?

a) Yes                      b) No

Does IP&C perform spot checks to ensure containment measures are intact?

a) Yes                      b) No

How often does IP&C perform spot checks to ensure containment measures are intact? Circle your answer.

a) Daily                      b) Once a week                      c) At start of project  
d) Never                      e) Other:

Do you review the required containment barriers/measures with the project manager/contractors prior to project start date?

a) Yes                      b) No

Does IP&C approve cleaning post-construction prior to removal of containment barriers?

a) Yes                      b) No

Who approves removal of containment barriers after hours/weekends/holidays?
Do you routinely use a construction/renovation inspection checklist? a) Yes                      b) No
Do you allow external contractors in your cafeteria/eating areas? a) Yes                      b) No
Does your facility/power plant own and routinely use a portable environmental containment cube that can be used on-going general repairs/work? (I.e. for plumbing, carpentry and electrician use) a) Yes                      b) No
Does IP&C get notified of new projects from: Circle your answer for each a) Corporate Planning and Development      Yes or No b) Facilities/Power Plant/Maintenance          Yes or No c) Information Services/Cabling                  Yes or No
Do you have an after hours phone/pager list for key project planning/facilities staff for emergency situations? a) Yes                      b)No
Does your department get notified of emergency shutdowns for construction, maintenance procedures (i.e. water, fans)? If yes, how far in advance?
Is IP&C notified of all water leaks in your facility? a) Yes                      b) No
Does your facility have a response plan to manage large water leaks/floods in your facility? a) Yes                      b) No

## 6. Containment Comparisons

Please check off the containment measures that you recommend for CSA Type A Construction Activity in each of the four areas listed below: (Type A: Inspections and Non-Invasive Activities)				
	In a non-patient area (i.e. basement or mechanical room)	Within hallways or corridors (i.e. main lobby of facility)	Within/adjacent to non-critical patient unit/area (i.e. nursing station on general medicine care unit)	Within/adjacent to high risk patient unit/area (i.e. in the middle of the critical care unit)
Use of Plastic/Poly Drop Sheet				
HEPA vacuum clean up				
Water-misting during cutting				
Sticky walk off mat				
Intake/exhaust vents sealed with poly and tape				
Poly/plastic erected, secured to wall/ceiling with duct/tuck tape				
Planned route of entry/exit for contractor/debris removal				
Poly/plastic framed on metal/wood studs				
Drywall hoarding without poly on inside				
Drywall hoarding with poly on inside				
Negative Pressure in work area				
Magnahelic installed to monitor negative pressure				
Disable ventilation system				
Anteroom constructed of poly/plastic				
Anteroom constructed with drywall/solid material				



Please check off the containment measures that you recommend for CSA Type B Construction Activity in each of the four areas listed below: (Type B: Small scale, Minimal Dust Production)

	<b>In a non-patient area (I.e. basement or mechanical room)</b>	<b>Within hallways or corridors (I.e. main lobby of facility)</b>	<b>Within/adjacent to a non-critical patient care unit/area (I.e. nursing station on general medicine care unit)</b>	<b>Within/adjacent to a high risk patient unit/area (I.e. in the middle of the critical care unit)</b>
<b>Use of Plastic/Poly Drop Sheet</b>				
<b>HEPA vacuum clean up</b>				
<b>Water-misting during cutting</b>				
<b>Sticky walk off mat</b>				
<b>Intake/exhaust vents sealed with poly and tape</b>				
<b>Poly/plastic erected, secured to wall/ceiling with duct/tuck tape</b>				
<b>Planned route of entry/exit for contractor/debris removal</b>				
<b>Poly/plastic framed on metal/wood studs</b>				
<b>Drywall hoarding without poly on inside</b>				
<b>Drywall hoarding with poly on inside</b>				
<b>Negative Pressure in work area</b>				
<b>Magnahelic installed to monitor negative pressure</b>				
<b>Disable ventilation system</b>				
<b>Anteroom constructed of poly/plastic</b>				
<b>Anteroom constructed with drywall/solid material</b>				

Please check off the containment measures that you recommend for CSA Type C Construction Activity in each of the four areas listed below: (Type C: Moderate to High Level Dust Production, Removal/Demolition of a Fixed Component)

	<b>In a non-patient area (I.e. basement or mechanical room)</b>	<b>Within hallways or corridors (I.e. main lobby of facility)</b>	<b>Within/adjacent to a non-critical patient care unit/area (I.e. nursing station on general medicine care unit)</b>	<b>Within/adjacent to a high risk patient unit/area (I.e. in the middle of the critical care unit)</b>
<b>Use of Plastic/Poly Drop Sheet</b>				
<b>HEPA vacuum clean up</b>				
<b>Water-misting during cutting</b>				
<b>Sticky walk off mat</b>				
<b>Intake/exhaust vents sealed with poly and tape</b>				
<b>Poly/plastic erected, secured to wall/ceiling with duct/tuck tape</b>				
<b>Planned route of entry/exit for contractor/debris removal</b>				
<b>Poly/plastic framed on metal/wood studs</b>				
<b>Drywall hoarding without poly on inside</b>				
<b>Drywall hoarding with poly on inside</b>				
<b>Negative Pressure in work area</b>				
<b>Magnahelic installed to monitor negative pressure</b>				
<b>Disable ventilation system</b>				
<b>Anteroom constructed of poly/plastic</b>				
<b>Anteroom constructed with drywall/solid material</b>				

Please check off the containment measures that you recommend for CSA Type D Construction Activity in each of the four areas listed below: (Type D: High Dust Production. Major Demolition/Construction)

	<b>In a non-patient area (I.e. basement or mechanical room)</b>	<b>Within hallways or corridors (I.e. main lobby of facility)</b>	<b>Within/adjacent to a non-critical patient care unit/area (I.e. nursing station on general medicine care unit)</b>	<b>Within/adjacent to a high risk patient unit/area (I.e. in the middle of the critical care unit)</b>
<b>Use of Plastic/Poly Drop Sheet</b>				
<b>HEPA vacuum clean up</b>				
<b>Water-misting during cutting</b>				
<b>Sticky walk off mat</b>				
<b>Intake/exhaust vents sealed with poly and tape</b>				
<b>Poly/plastic erected, secured to wall/ceiling with duct/tuck tape</b>				
<b>Planned route of entry/exit for contractor/debris removal</b>				
<b>Poly/plastic framed on metal/wood studs</b>				
<b>Drywall hoarding without poly on inside</b>				
<b>Drywall hoarding with poly on inside</b>				
<b>Negative Pressure in work area</b>				
<b>Magnahelic installed to monitor negative pressure</b>				
<b>Disable ventilation system</b>				
<b>Anteroom constructed of poly/plastic</b>				
<b>Anteroom constructed with drywall/solid material</b>				