



Infection Control during Construction, Renovation, Repairs, and Maintenance

All workers engaged in the construction, renovation, repair, and/or maintenance of Hospital Facilities are responsible for providing a safe environment



Regulations

HealthCare Facts

- Construction, renovation, repair, and maintenance at hospital facilities is typically different than work at most other sites
- Patients who are ill and have unhealthy immune systems are considered <u>"at risk patients"</u>





HealthCare Facts



- Thousands of patient deaths around the world are reported each year from infections
- acquired during a hospital stay.
 Construction dust and debris can be a source of infection.



Infection Control Risk Assessment (ICRA) Regulations

Infection Control during Construction, Renovation, Repairs, and Maintenance

- Working Above Ceilings Dust and Debris Containment Traffic Control
- Clean Up of Work Site
- **Departing the Work Site**
- Removing Trash & Debris

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- Know the Infection Control Risk Assessment (ICRA) results.
- The Infection Control
 Construction Permit needs to be completed when working in a patient area or hallway.

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(ICRA) Regulations Checklist for Infection Control during Construction, Renovation, Repair and Maintenance

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Infection Control Risk Assessment (ICRA) Regulations Checklist for Infection Control during Construction, Renovation, Repair and Maintenance

- · Establish dust and debris control
- Maintain ventilation and environmental controls
- Develop pedestrian and equipment traffic control
- · Schedule continuous work site clean up



Infection Control Risk Assessment (ICRA) Regulations Infection Control Risk Assessment (ICRA)

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- Health Care facilities have strict guidelines to keep patients safe
- Plan ahead know the hospital specific guidelines before the project begins



Infection Control Risk Assessment (ICRA)



- The ICRA is a process to determine:
- the risk of patient exposure to dust and debris contamination:
- and the classification of the work involved;
- Impact on areas above, below and adjacent to the work site



Infection Control Risk Assessment (ICRA) Regulations Infection Control Risk Assessment (ICRA)



- Routinely completion of the ICRA is the responsibility of the Hospital Facility Services Department
- Complete the ICRA in any patient area or hallway
- Results of the ICRA determine the safest methods to be used in completing the work



Infection Control Risk Assessment (ICRA) Regulations Working Above the Ceiling



- The ceiling is a prime area for major dust and debris.
- Mold and bacteria grow above the ceiling



Working Above the Ceiling

- Infection Prevention Rules:
 Routinely when <u>looking</u> above the ceiling thru one ceiling tile for <u>s minutes or less</u> no containment is needed.





Infection Control Risk Assessment (ICRA) Regulations

Working Above the Ceiling

- Infection Prevention Rules:
 If *looking or working* longer than 5 minutes above the ceiling, (i.e., access openings, insulation repair, duct cleaning, etc.) a containment <u>MUST</u> be used













Dust and Debris Containment



- Bacteria and other harmful germs travel in dust and can harm patients and hospital staff
- If a job, (regardless of type), includes disturbing existing dust, or creating new dust, containment must be used



Infection Control Risk Assessment (ICRA) Regulations

Dust and Debris Containment



- Doors in affected areas should be closed and sealed with duct tape
- This helps prevent the dust and debris from escaping.



Infection Control Risk Assessment (ICRA) Regulations

Dust and Debris Containment



- If the work area cannot be contained by walls and doors, use a plastic, fire rated barrier and seal all seams with duct tape
- Tape up any holes so the wall is solid and will maintain negative pressure



Dust and Debris Containment



- If working in high risk area (ICRA 3 or 4) Hepa filtration will be needed in the containment area
- Re-assess your containment area daily to assure dust is not escaping

JADCA OWFERENCE	ICR	A Asse	ssment	Matrix	
		Cons	truction Projec	t Type	
	Patient Risk Group	TYPE A	TYPE B	TYPE C	TYPE D
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	MEDIUM Risk Group	1	n	Ш	
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Assessment (ICRA) Regulations	that Class III or Class IV cont				





Traffic Control

- Entry and exit routes must be limited to those openings that result in the least amount of exposure to patients, staff, and visitors.
- When possible use dedicated doors, elevators, and stairways.



Traffic Control

- All trash must be completely contained and covered when being removed from the work site
- · Watch for dust on the wheels of the cart also.
- · Many require double bagging of trash



Infection Control Risk Assessment (ICRA) Regulations



Infection Control Risk Assessment (ICRA) Regulations



Ventilation and Environmental Control

- If mandated by the ICRA, negative air pressure must be maintained in the construction area
- Use HEPA Filter System to help maintain negative air pressure



Ventilation and Environmental Control



- Supply ducts should be blocked off and return air ducts should be covered with pleated air filters.
- Exhaust fans may be used in conjunction with a HEPA Filter System and must run continuously.



Infection Control Risk Assessment (ICRA) Regulations

Clean up of Work Site



- Walk off or tacky mats/ wet towels must be used at the entrance and exit of each site
- Workers are responsible maintaining tacky mats



Infection Control Risk Assessment (ICRA) Regulations

Clean up of Work Site

- Vacuum cleaners must be equipped with a HEPA filtration system
- HEPA stands for High Efficiency Particulate Arresting. This means that HEPA filters have a high efficiency at arresting, or capturing particles. HEPA is a type of air filter.





Clean up of Work Site

 Any dust or debris outside of the work site area must be vacuumed/damp mopped immediately



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Infection Control Risk Assessment (ICRA) Regulations	

Leaving The Work Site

- What comes in, STAYS IN!!
- Dust on your clothing can be easily transferred from your clothes to a patient in the health care environment





(ICRA) Regulations

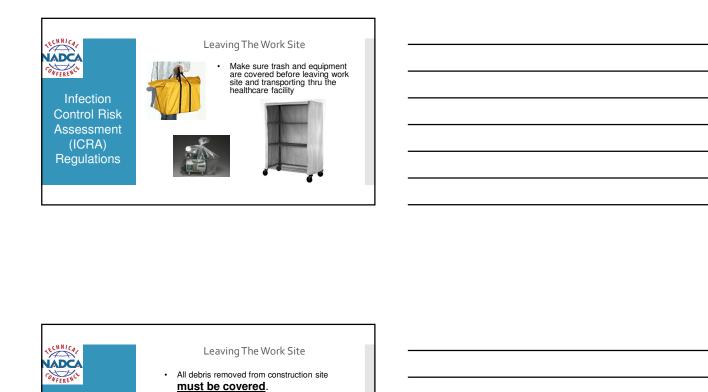
Leaving The Work Site

 When leaving the worksite on breaks or for meals, be sure to remove dust from clothes and shoes <u>AT THE WORK SITE</u>.



Use the buddy system to make sure all dust is removed completely













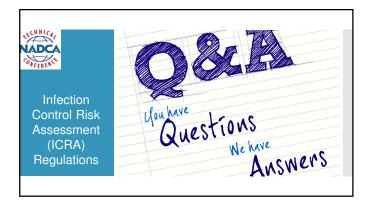
Follow path with least patient/visitor involvement





Infection Control Risk Assessment (ICRA) Regulations Patient Safety is # 1

- As a member of our healthcare team, it is important that you join them in their commitment to make the facility a 100% SAFE HOSPITAL
- Attention to details can help save patients' lives





Presenter Contact Information

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Control Risk Assessment (ICRA) Regulations

References

Infection Control Risk Assessment (ICRA) Regulations

NADCA

- Guidelines for Environmental Infection Control in Health-Care Facilities https://www.cdc.gov/infectioncontrol/quide lines/environmental/index.html
- Healthcare Infection Control Practices Advisory Committee (HICPAC) http://www.cdc.gov/hicpac/

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Control Risk Assessment (ICRA) Regulations

Handouts

- 2008 NADCA DucTales Safety Issues Come First
- ICRA Assessment Document
- Pre-Construction Risk Assessment

	Thank you for Participating!
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