



NEBRASKA MEDICINE INNOVATION DESIGN UNIT

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HAND HYGIENE MONITORING

- Vendor: Centrak
- Monitors HH compliance when entering and exiting patient rooms utilizing electronic badges
 - Badges also include a panic button
- Custom-built rules
- Obstacles:
 - Currently, only core staff have electronic badges – not capturing ancillary staff or provider groups
 - Switchglass doors/windows interfere with detection system, must be very careful about where dispensers are mounted



EQUIPMENT AND PATIENT TRACKING

- Vendor: Centrak
- All unit-specific equipment gets a tag
- All patients are offered a tag, do not have to wear one
 - Reusable - cleaned and disinfected between patients
- Obstacles:
 - Only being used on IDU, unable to track equipment to a specific location once off the unit
 - Tags are sensitive to bleach



VIBE DOOR SIGNS

- Electronic signs outside each door
- Linked to Epic chart for real-time updating
- Includes information such as:
 - Fall Risk
 - Isolation
 - Code Status
 - NPO/Fluid Status
 - Comfort Cares
 - Violence/Suicide Risk



DIRTT WALLS

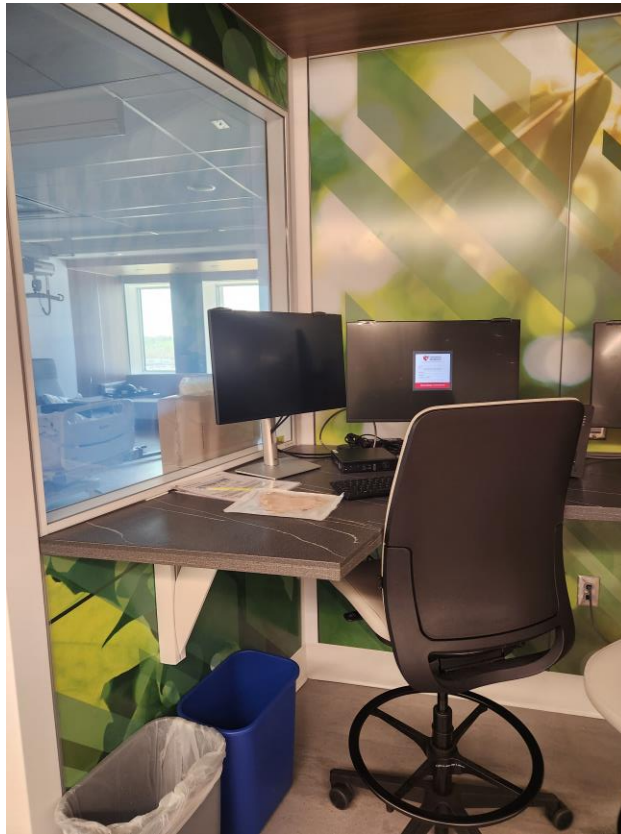
- “Doing It Right This Time”
- Modular system rather than drywall
 - Essentially eliminates dust production and allows easy access to HVAC, plumbing, and electrical components behind walls
- Obstacles:
 - Custom built
 - Some components are made in Canada (headquarters), so delays in shipment can occur
 - If keeping extra components on-hand, must have temp and humidity-controlled storage space

DIRTT WALLS



PANDEMIC PLANNING

- With DIRTT walls, it is easy to convert rooms to dual occupancy with infrastructure already built in
 - Can also convert the nurse's station outside the room to an anteroom



PANDEMIC PLANNING

- HVAC system was designed to be able to convert rooms from neutral to negative pressure
 - All rooms have an air pressure monitor outside of them
 - HVAC infrastructure can be converted to ventilate outside within a day, allowing for negative pressure to be utilized
 - This does not convert these rooms to true AIRR rooms, only go slightly negative to the corridor

ADDITIONAL

- Built-in lifts
- Badge recognition
 - Staff member information pops up on the TV when they enter
- iPads and TVs with built-in patient education/meal ordering
- Switchglass doors/windows
- UV Sinks
 - 5 rooms currently
- Supply cabinets with electronic access controls
 - Can electronically lock the cabinet in the room for patients in isolation

QUESTIONS?

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