WARM ZONE MODEL
IMPLEMENTATION, ZONES, AND ROLES
CONTENTS

INTRODUCTION
IMPLEMENTATION
ACUTE CARE UNITS
CRITICAL CARE UNITS
INTRODUCTION

GOAL
REDUCING PPE USE
INTERDISCIPLINARY TEAM
COLD ZONE
WARM ZONE
HOT ZONE
TERMINOLOGY
EQUIPMENT
Institute a warm zone model on inpatient nursing units

Maintain staff safety while also reducing PPE burden and burn rate
  • Extended use of gowns
  • Gown conservation
  • Time saved by reducing frequency of PPE donning and doffing during a shift
    • Reduction in self-contamination risk
  • Improved teamwork

GOAL
• Staff in Orientation
  • Either the preceptor or the orientee enter patient room, not both

• Meal trays
  • Staff are proactive with helping patients order trays in a timely manner, so all trays are delivered at the same time
  • Please remind patients to order extra drinks (sports drink, juice, etc)

• Clustering care
  • Calling ahead before going in to see if the patient needs anything
  • Gathering any equipment, supplies or meds

• Total Care Nursing:
  • With a resource available to provide any necessary items – there is an opportunity for the RN to complete all task (VS, POC BG, Meds, Assessment)
• Rounds
  • Conduct multidisciplinary rounds in the cold zone
  • Providers utilize warm zone bridging during assessments

• Radiology, Lab/Phlebotomy, Respiratory Therapy and Environmental Services
  • If staffing allows, have on individual donned and a second as a resource
  • Use warm zones to bridge between patients
COLD ZONE

• Donning
• Care team station
• Resource Individual
• Workstation on wheels (WOW)
• Unit traffic/egress flow
• Meal delivery cart
• Linen cart
• Code BLUE and resuscitation carts

The materials are intended solely for general educational and information purposes, are made available in the context of the public health emergency related to the coronavirus (COVID-19) and have not been subject to review that typically would occur in a non-emergent situation. The materials do not constitute the provision of medical, legal or other professional advice. EMORY UNIVERSITY AND EMORY HEALTHCARE MAKE NO WARRANTIES, EXPRESS OR IMPLIED AS TO THE MATERIALS, INCLUDING, WITHOUT LIMITATION, COMPLIANCE WITH QUALITY, REGULATORY, ACCREDITATION OR STANDARDS OF CARE. EMORY EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
Copyright 2020, Emory University and Emory Healthcare
WARM ZONE

- Minimal to no clean PPE stored in this area
  - Gloves, mounted on wall – if supplies permits
- Trash cans
- People bridging rooms in appropriate PPE
- Over bed table with “clean” and “dirty” sides marked
- Zone Cleaning
  - Individual cleaning is wearing a mask and gloves
    - Resource individual cleans over bed table after handing off items into the warm zone
    - Resource individual cleans warm zone between bridges and after terminal doffing
- Environmental services
  - Cleans area at least q12hr or as needed

The materials are intended solely for general educational and information purposes, are made available in the context of the public health emergency related to the coronavirus (COVID-19) and have not been subject to review that typically would occur in a non-emergent situation. The materials do not constitute the provision of medical, legal or other professional advice. EMORY UNIVERSITY AND EMORY HEALTHCARE MAKE NO WARRANTIES, EXPRESS OR IMPLIED AS TO THE MATERIALS, INCLUDING, WITHOUT LIMITATION, COMPLIANCE WITH QUALITY, REGULATORY, ACCREDITATION OR STANDARDS OF CARE. EMORY EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Copyright 2020, Emory University and Emory Healthcare
HOT ZONE

• Patient’s room and care area
• Keep doors closed as much as possible
• Doffing
  • Gloves while bridging between rooms
  • Terminal doff at the completion of care for last patient
TERMINOLOGY

- Bridging
  - Moving between multiple patient rooms after initial donning
- Donned Clinician/Technician
  - Individual who is donned into hot zone
- Resource Individual
  - Clinician or technician in cold zone
- Buddy
  - Second individual donned into hot zone
• What should I do with equipment that has been taken into the hot zone but needs to be used in another room?
  • Following isolation precautions, for properly using and cleaning equipment
  • Equipment cleaned in the hot zone will be placed on the “dirty” side of the over bed table
  • A resource individual will clean the equipment again and safely return it to the cold zone

• Can I take any equipment with me from one COVID room to another, through the warm zone?
  • No, equipment must be cleaned between patients. Please be mindful of your unit restrictions on what can be stored within the warm zone.
IMPLEMENTATION

- Partner with Infection Prevention and Infectious Disease colleagues
  - Map out area that will serve as warm zone
  - Build a zone model for nursing and tech assignments
  - Move non-confirmed patients off nursing unit, model will only work with COVID+ patients
- Clear supplies and equipment from warm zone
  - Code carts
  - Linen carts
  - Meal delivery carts
  - WOWs
- Collaborate with facilities
  - Identify a way to store PPE outside of the warm zone
  - Install glove holders inside the warm zone
  - Relocate any WOW charging stations inside the warm zone
  - Assemble over-bed tables, or surface on wheels to pass items into warm zone
  - Post signage
- Communication
  - Ancillary departments awareness
  - Safety in and around warm zone
Two RNs assigned per zone
  • Donned and Resource Clinician
Zone is a consecutive block of rooms
Nurse to patient ratios are predetermined based off unit staffing model and hospital needs
Tech to patient ratios are predetermined based off unit staffing model and hospital needs
You cannot “bridge” after caring for a patient with co-infection (e.g. C. diff, RSV, CRE)
The materials are intended solely for general educational and information purposes, are made available in the context of the public health emergency related to the coronavirus (COVID-19) and have not been subject to review that typically would occur in a non-emergent situation. The materials do not constitute the provision of medical, legal or other professional advice. EMORY UNIVERSITY AND EMORY HEALTHCARE MAKE NO WARRANTIES, EXPRESS OR IMPLIED AS TO THE MATERIALS, INCLUDING, WITHOUT LIMITATION, COMPLIANCE WITH QUALITY, REGULATORY, ACCREDITATION OR STANDARDS OF CARE. EMORY EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Copyright 2020, Emory University and Emory Healthcare
ACUTE CARE UNITS

BRIDGING - NURSING
SUBESQUANT BRIDGES – NURSING
BRIDGING - TECHNICIANS
BRIDGING - NURSING

RESOURCE CLINICIAN

• Hand off items
• Gather supplies or equipment
• Obtain meds for next patient
• Assist with patient documentation
• Anticipate needs of patient or donned clinician
• Remain available for donned clinician
• Clean warm zone

DONNED CLINICIAN

• Assessments
• Medications
• Vital Signs
• POC BG
SUBSEQUENT BRIDGES - NURSING

RESOURCES CLINICIAN

• Hand off items
• Gather supplies or equipment
• Obtain meds for next patient
• Assist with patient documentation
• Anticipate needs of patient or donned clinician
• Remain available for donned clinician
• Clean warm zone

DONNED CLINICIAN

• All patients in zone
• Focused reassessment
• Medications

The materials are intended solely for general educational and information purposes, are made available in the context of the public health emergency related to the coronavirus (COVID-19) and have not been subject to review that typically would occur in a non-emergent situation. The materials do not constitute the provision of medical, legal or other professional advice. EMORY UNIVERSITY AND EMORY HEALTHCARE MAKE NO WARRANTIES, EXPRESS OR IMPLIED AS TO THE MATERIALS, INCLUDING, WITHOUT LIMITATION, COMPLIANCE WITH QUALITY, REGULATORY, ACCREDITATION OR STANDARDS OF CARE. EMORY EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Copyright 2020, Emory University and Emory Healthcare
BRIDGING - TECHNICIAN

RESOURCE INDIVIDUAL

• Hand off items
• Gather supplies or equipment
• Assist with patient documentation
• Anticipate needs of patient or donned technician
• Remain available for donned technician
• Clean warm zone

DONNED TECHNICIAN

• All patients in zone
• VS
• POC BG
• Bathing, linen changes
• Tray delivery
CRITICAL CARE UNITS

BRIDGING - NURSING TASKS THAT REQUIRE A BUDDY
BRIDGING - NURSING

RESOURCE CLINICIAN

• Hand off items
• Gather supplies or equipment
• Obtain meds for next patient
• Assist with patient documentation
• Anticipate needs of patient or donned clinician
• Remain available for donned clinician
• Clean warm zone

DONNED CLINICIAN

• Assigned 1-2 patients
• Assuring room safety
  • Alarms
• Assessments
• Medications
  • Administration, titration, pump management
• Data Collection:
  • Hemodynamic monitoring, POC, intake and output
• Specimen collection
• Turns, hygiene and oral care
• Device management
  • CRRT, Airway, minimally invasive hemodynamic monitoring
• Quality index bundles

The materials are intended solely for general educational and information purposes, are made available in the context of the public health emergency related to the coronavirus (COVID-19) and have not been subject to review that typically would occur in a non-emergent situation. The materials do not constitute the provision of medical, legal or other professional advice. EMORY UNIVERSITY AND EMORY HEALTHCARE MAKE NO WARRANTIES, EXPRESS OR IMPLIED AS TO THE MATERIALS, INCLUDING, WITHOUT LIMITATION, COMPLIANCE WITH QUALITY, REGULATORY, ACCREDITATION OR STANDARDS OF CARE. EMORY EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Copyright 2020, Emory University and Emory Healthcare
TASKS THAT REQUIRE A BUDDY

RESOURCE CLINICIAN

- Hand off items
- Gather supplies or equipment
- Obtain meds for next patient
- Assist with patient documentation
- Anticipate needs of patient or donned clinician
- Remain available for donned clinician
- Clean warm zone
  - After terminal doff

DONNED CLINICIAN and BUDDY

- Bathing and Q2Hour Turning
  - Both individuals don
  - Prepare and bring any necessary supplies into the room
  - Complete as many patients as possible during a single bridge

The materials are intended solely for general educational and information purposes, are made available in the context of the public health emergency related to the coronavirus (COVID-19) and have not been subject to review that typically would occur in a non-emergent situation. The materials do not constitute the provision of medical, legal or other professional advice. EMORY UNIVERSITY AND EMORY HEALTHCARE MAKE NO WARRANTIES, EXPRESS OR IMPLIED AS TO THE MATERIALS, INCLUDING, WITHOUT LIMITATION, COMPLIANCE WITH QUALITY, REGULATORY, ACCREDITATION OR STANDARDS OF CARE. EMORY EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Copyright 2020, Emory University and Emory Healthcare