

TAMC Adult ICU COVID-19 Lessons Learned

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Presenter



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At the conclusion of this activity, participants will be able to:

- 1. Assess the need for a dedicated COVID-19 Unit
- 2. Discuss TAMC's bed expansion plan in the Adult ICU/ COVID-19 Unit
- 3. Explain Buddy Team Nursing
- 4. Discuss the "Just in Time" training initiatives that took place



- A dedicated unit allowed for standard operations to continue throughout the hospital.
- It isolated those infected and allowed for an expertly trained and practiced team.





- Phase 0: 0 COVID-19 positive patients (pts). Standard operations.
- Phase 1: 1-6 COVID-19 positive pts. Dedicated COVID-19 Unit.
- Phase 2: 1-7 ICU level COVID-19 pts. Separation between Ward and ICU patients who are COVID positive. 15 ICU pts total
- Phase 3: 8-16 COVID-19 positive pts. Movement of non COVID-19 patients to PCU. 10 non-infected ICU pts placed in Crisis care.
 25 ICU pts total PCU becomes ICU.
- Phase 4: 16-32 Covid-19 Positive Patients. 2 pts per room. Crisis care. 9 clean beds in PCU. 41 pts max
- Phase 5: expand to PCU. Up to 43 ICU COVID positive pts.





Phase 1: 1-6 COVID-19 positive pts. Dedicated COVID-19 Unit. ⁴





Phase 2: 1-7 ICU level COVID-19 pts. Separation between Ward and ICU patients who are COVID positive. 15 ICU pts total





Phase 3: 8-16 COVID-19 positive pts. Movement of non COVID-19 patients to PCU. 10 non-infected ICU pts placed in Crisis care. 25 ICU pts total PCU becomes ICU.



ICU Covid surge flow plan: Phase 4 (41 pt max) Trigger: ≥14 Covid positive critically ill Cold up to 13 Hot- up to 32 PCU- Stays ICU for up to AICU C/D - 16 pts **Crisis Standard of** ICU Covid Positive 9 clean pts Care, ~50-100% (Critical Care Covid team) (SURG Attending/Team increased mortality risk with CCM Consult) Minimum ICU RN needed: AICU A/B-16 pts 37 + 87 extenders, less **ICU Covid Positive** with blended (Surge team 2: Surg vs Medicine Minimum Adult CC vs PICU Attending w/ GME team) physician needed: 4 + PICU – 4 Pediatric critical care extenders beds *introduce anesthesia vents vs EMB/transport vents *CVVHD(6-12) * CVVHD(6-12) and staff Phase 4: 16-32 Covid-19 Positive Patients. 2 pts per room. limited Crisis care. 9 clean beds in PCU. 41 pts max



ICU Covid surge flow plan: Phase 5 (54 pt max)



Buddy Team Nursing



- Charge Nurse (CN) is an ICU Registered Nurse (ICU RN). Pt load should not prohibit ICU RN from seeing all other patients.
- Delegates care within appropriate scope to critical care (CC) Licensed Practicing Nurse (LPN) or RN.
- ICU RN will perform tasks that go beyond LPN's or RN's ability.
- ICU RN is not over-tasked and able to move freely to assess and coordinate care.

Buddy Team Nursing





Just-in-Time Training for Non-ICU Nurses



- 3-day NINJA course for Ward RNs- fundamentals to critical care
- 10-day LPN Critical Care Course- 40 hours of didactic education and 40 hours of Advanced Cardiovascular Life Support (ACLS) simulation
- LPN intravenous (IV) push

Just-in-Time Training for Non-ICU Nurses



	6-step Training Program	
Virtual resources	American Association of Critical-Care Nurses COVID-19 Training Society of Critical Care Medicine Training for the non-ICU clinician	
Classroom Instruction	 Foundational Review Team-based Care Documentation 	
Infection Control Measures	 Donning and doffing Personal Protective Equipment Powered Air-Purifying Respirator (PAPR) 	
Workplace Orientation	 Safety/Environment of Care Orientation Access to medication dispensing system 	
Skills Fair	 Basic ventilator settings review Suctioning endotracheal tube (ETT) and oropharyngeal ARDS and proning protocol 	
On-the-job Training	 Paired with ICU RN Two-week orientation 	





- TAMC was able to safely address the COVID-19 positive patient population while maintaining standard hospital operations.
- A dedicated COVID-19 Unit established a footprint in the hospital that minimized the spread throughout the hospital.
- Buddy Team Nursing and Just in Time Training became the force multiplier that maximized the use and ratios of the CCRN.





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