

Harnessing the Power of Hospitalists in Operational Disaster Planning

"...especially in times of crisis, we show our best selves"

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Key topics

- Framework for capacity management/growth
- Flex staffing and training
- Adaptations to care models

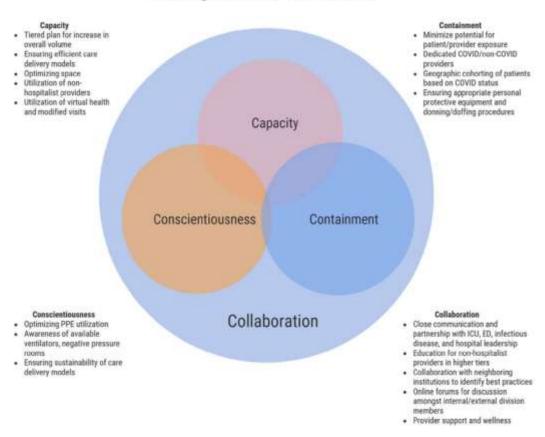


A Note of Gratitude

- Kasey Bowden, NP
- Julia Limes, MD
- Lindsay Thurman, MD
- Dimitriy Levin, MD
- Alex Sun, MD
- Adam Meyer, MD

- Leah Lleras, MS
- Angela Keniston, MSPH
- Timothee Schlumberger
- Melisha Begerman
- Lauren McBeth
- and the entire Division of Hospital Medicine

4 C Approach to Hospital Capacity Planning for COVID-19 Pandemic



Our framework

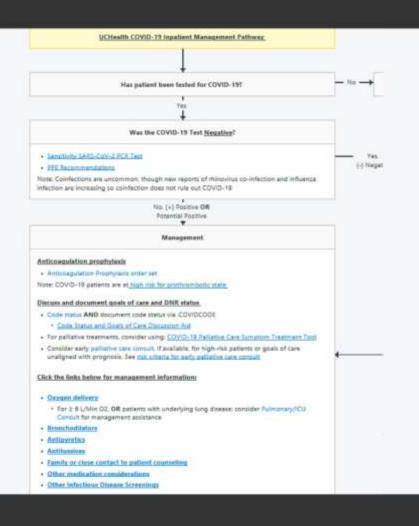
 Bowden, Burden et al. JGIM 2020.

DHM CAPACITY PLAN



Our organizational structure





Admission pathways

- Updated with latest information
- Shared across health system
- Selection of highlighted areas generates orders

Treatments and guidance

UPDATED FREQUENTLY

Floor Status Management

Note: There are corrently no FDA- approved therapies for COVID-19. It is recommended to access potential to readments via <u>clinical trials</u> when possible. Outside of clinical trials treatment options can be considered after coreful consideration of risks and benefits, any existing data, and patient and/or family preference. See Nith Treatment Guidelines.

- . For patients on supplemental oxygen or ventilator.
 - Order desamethazone FO 6 mg daily for up to 10 days until discharge, whichever occurs sooner (if concern for poor enteral absorption, use desamethazone IV 6 mg daily)
 - If patient is pregnant, consult OB/GYN regarding use of steroids in pregnancy
 - . If patient is pregnant, consult prior to giving desamethatione
- For patients on supplemental oxygen but NOT requiring mechanical ventilation or ECMO:
 - Consider Remdesivir (by emergency use authorization) 200mg IV on day 1, then 100mg IV on days 2-5, for up to 5 days or until discharge, whichever is sooner.
 - See criteria for remdesivir use
 - Counsel patient / caregiver about risks, benefits, and alternatives, provide FDA fact sheet on EUA remdesivir, and obtain verbal consent
 - . Monitor hepatic function tests daily while on remdesivir
- . Consider clinical trial enrollment if appropriate.
- Consilescent plasma is not currently recommended for routine use. If desired, recommend enrollment in clinical trial. If patient does not wish to enroll in clinical trial, convalencent plasma is available by emergency use authorization (EUA). Prior to ordering EUA convalencent plasma, provider must counsel patient on risks, benefits, and alternatives, provide-FDA fact sheet for providers and caregivers, and obtain verbal consent.
- . Order Anticoagulation Prophylaxis Order Set, if not already ordered
 - See anticoequiation recommendations.
- . Conservative fluid management as tolerated to avoid precipitating ARDS
 - . Avoid maintenance fluids
- . Patients are at increased risk for cardiomyopathy.
 - Workup as appropriate
 - If decompensation, consider ECHO, EKG, Troponin, BNP.
- Watch for signs of Hyperinflammatory Response Syndrome
- . Consider admit to 3CU or Stepdown Status
- Consider early palliative care consult. If available, for high-risk patients or goals of care unaligned with prognosis.
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Point of Care Ultrasound



Communication

- Weekly touch base with front line teams/COVID team lead
- Structured email communications
- Weekly town halls



HOMERuN Research Network

https://www.hospitalinnovate.org/covid19/











⊕ LOGOUT

Welcome to the COVID-19 Response Working Team Knowledge Base

You must be an authorized and registered user to access these pages.

Not a member? Register here.



Thromboembolism and Anticoagulation

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- . Key Quantions We Studied a
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Discharge Criteria

- Overview
- . Key Questions We Studied &
- Ammreoce Materials from Collaborators
- Links to Resources from Collaborators &

DISCHARGE CRITERIA



Workforce Planning

- Dwirtney
- . Key Questions We Studied @
- Tables & Endootes

WORKFORCE PLANNING



Provider Well-Being and Support

Section Currently Under Development



Patient Experience

Section Currently Under Development



Clinical Pathways and Documentation

Section Currently Under Development



Medical Education

Section Currently Under Development



Antiracism, Health Equity, and Social Justice

> Section Currently Under Development



Workforce Planning Overview

Home / Workforce Planning

Workforce Planning

- Overview
- Key Questions We Studied A
- Tables & Endnotes \(\begin{array}{c}
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Team Leads

- · Luci Leykum, MD, MBA (University of Texas at Austin Dell Medical School)
- · Marisha Burden, MD (University of Colorado Anschutz Medical Campus)
- Angela Keniston, MSPH (University of Colorado Anschutz Medical Campus)

Authors

- · Gopi Astik, MD (Northwestern Medicine)
- · Shaker Eid. MD, MBA (Johns Hopkins Medicine)
- · Shradha Kulkarni, MD (University of California, San Francisco School of Medicine)
- · Anne Linker, MD (Mount Sinai Hospital)
- Matthew Sakumoto, MD (University of California, San Francisco School of Medicine)



Topic Area

In late December 2019, COVID-19 began its global spread impacting hospitals and health systems across the globe. Hospital disaster planning has more typically focused on overcrowded emergency departments and decompressing emergency rooms, however in the case of COVID-19, hospitals faced a variety of new challenges. Health systems faced shortages in providers for patients on the wards and in the intensive care units, and also faced shortages in equipment and medications. Patients with COVID-19, at least early in the pandemic, seemed to have an average length of stay that was increased often with prolonged hospital stays in particular for patients requiring intensive care unit-level services, though this depends on the population studied. Communities were not equipped to have patients with a highly infectious disease transfer out to subacute nursing facilities or long-term acute care facilities, which caused further back logs in hospitals. With critical personal protective equipment on short supply institutions quickly had to modify current practices, which resulted in rapid innovations in staffing models and daily operations.

We conducted artifact review from approximately 10 health systems from across the United States. Based on those findings, we conducted a survey that was sent to 36 hospitals/hospital systems from May 18 to May 21, 2020. Twenty-nine sites responded to the survey (81% survey response). Themes that the survey covered came from our initial document review and broad experience from approximately 6 institutions who had experienced a surge. We further enhanced insights from our survey during HOMERuN Collaborative calls and will be carrying out more detailed site interviews.

Professional Society Guidance

- Chest has previously published a consensus statement for care of the critically ill and injured during pandemics and disasters.
- Persoff and colleagues have published a framework for the role of hospital medicine in emergency preparedness¹⁰



Adaptations

- 89% of hospitals utilized geographic cohorting
- 63% utilized virtual visits
- Various adaptations on census and documentation requirements

How can we support our people?

Thank you!

MARISHA.BURDEN@CUANSCHUTZ.EDU