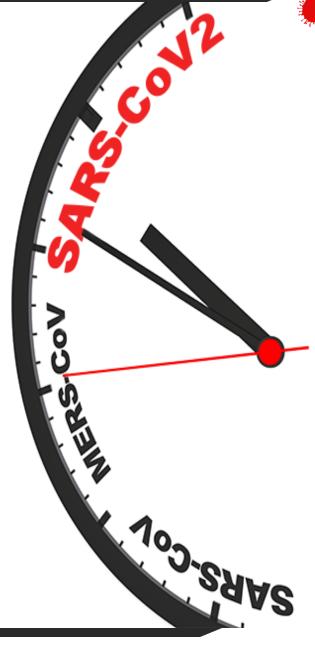
COVID-19 CRITICAL CARE: WHAT PROVIDERS NEED TO KNOW MAY 29, 2020 UPDATE

Sue Hansen, MSN, RN

Trauma/Surgery Critical Care Clinical Nurse Specialist Harborview Medical Center Seattle, WA







COVID-19 Keeping Up With A Moving Target

Twice Every Week @ COVID19.DKBmed.com

Every Wednesday Evening



Every Friday Morning







CME Information

Jointly provided by Postgraduate Institute for Medicine, DKBmed, and the Institute for Johns Hopkins Nursing.

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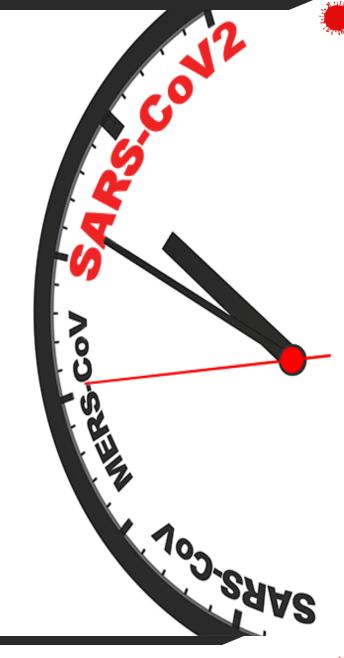
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Learning Objectives

- Explain three challenges institutions faced when COVID-19 was first recognized
- Discuss two causes of the financial difficulties hospitals face today
- Identify at least one priority for institutions going forward

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This program is brought to you through the generous support of DKBmed, Postgraduate Institute for Medicine, and the Institute for Johns Hopkins Nursing.

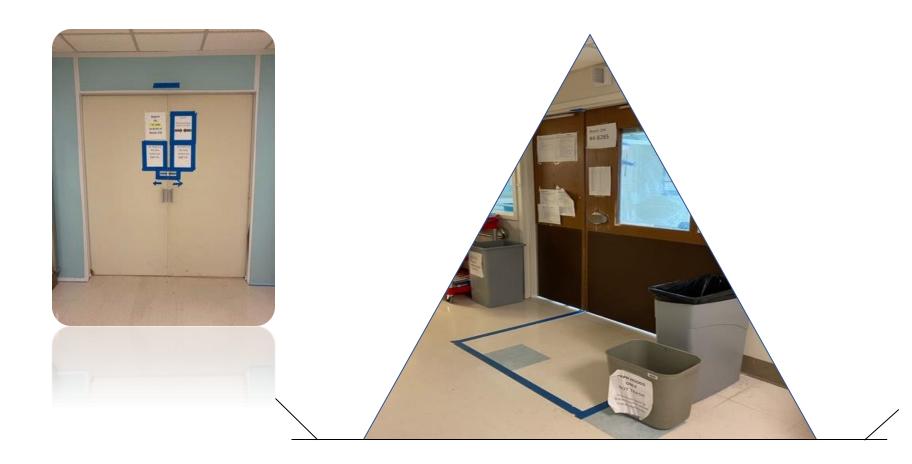
Please see **COVID19.DKBmed.com** for additional resources and educational activities





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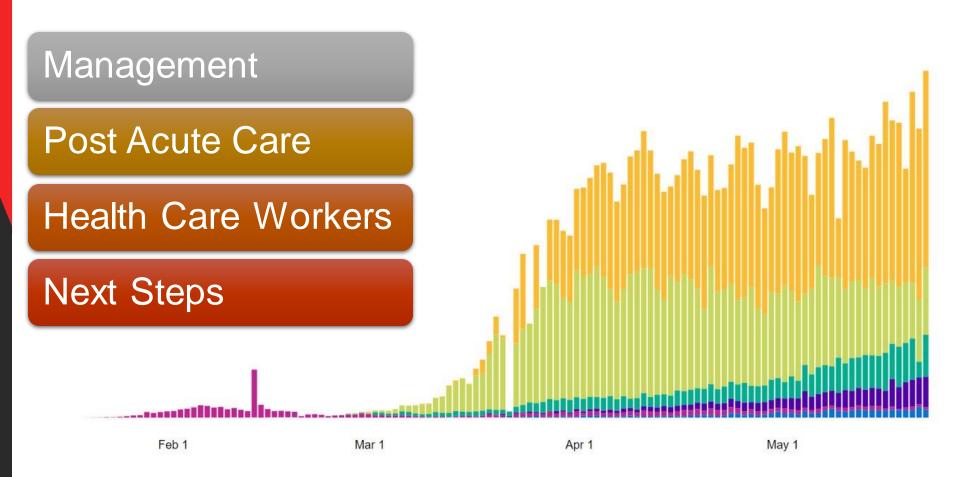
Camp COVID: Lesson Learned







Agenda



Source: World Health Organization





Management









CAPACITY



SUPPLIES



CLINICAL



HUMAN RESOURCES



INFECTION PREVENTION & CONTROL



FINANCIAL RECOVERY



Emergency

THE **FAST** AND THE **FURIOUS** NOT SO SINKING SHIP







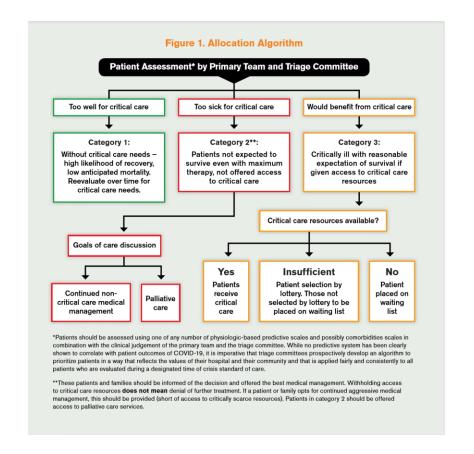


Emergency

Conventional

Contingent

Crisis







Emergency

Recovery

Next wave



Capacity

- Quickly identify "Covid" unit
- Where will non-Covid patients be cared for?
- Cohorting
- Patient flow/transfers



- Discharge planning!
 - Waiving pre-authorizations for SNF and subacute facilities
 - Confirm return policy for established residents
 - Confirm policy on acceptance of COVID+ or unknown patients

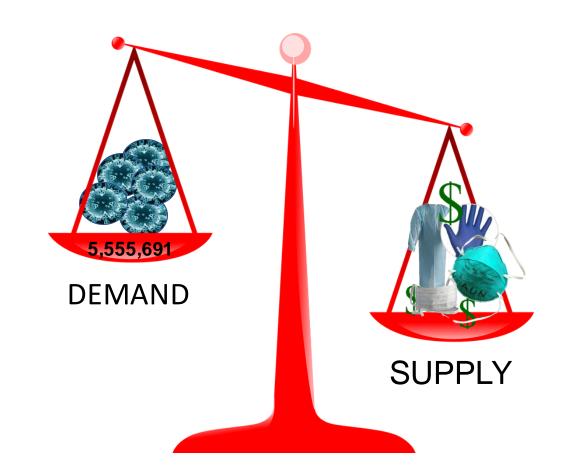




Supplies

Economics 101

- Impact on staffing
- Burn rate
- Creative problem solving





Clinical Course

Presentation

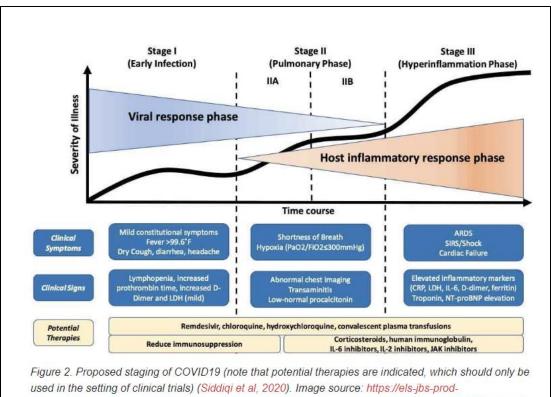
- Asymptomatic
- Silent hypoxemia
- Indolent patients
- Hyper-acute
- ** Profoundly hypoxemic

Onset of resp. distress

Median 6.5 days after symptoms

Progression

Median 2.5 days after onset of respiratory distress



cdn.literatumonline.com/pb/assets/raw/Health%20Advance/journals/healun/Article 2-1584647583070.pdf







Clinical Course

Complications:

- Coagulation disorders
- Acute kidney injury
- Co-infections-viral
- Sepsis
- ARDS-100%
- Cardiomyopathy-33%
- Vasopressors-67%

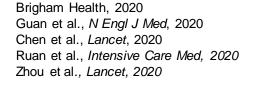
Cause of Death:

- Resp. failure alone 53%
- Circ. failure alone 7%
 - Mixed: 33%
- Unknown 7%

Hospital LOS- median 21-22 days

Time from illness to onset to death-median 18.5 days









Resources

- Washington State Comprehensive Emergency Management Plan. Washington state emergency management division. Accessed 5.25.2020. https://mil.wa.gov/plans
- Coronavirus best practices. Federal Emergency Management Agency. Accessed May 25, 2020. https://www.fema.gov/coronavirus/best-practices
- Creating capacity and managing patient flow during a crisis. Care Logistics. Accessed May 25, 2020. https://www.carelogistics.com/covid19





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- Covid 19 clinical course. Brigham Health. May 12, 2020. Accessed May 25, 2020. https://covidprotocols.org/protocols/clinical-course-and-epidemiology/#epidemiology
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Zhou F, Yu T, Du R et al. Clinical course and risk factors for mortality of adult inpatients with COVID-19 in Wuhan, China: a retrospective cohort study. *Lancet.* 2020; 395 (10229): 1054-1062. https://doi.org/10.1016/S0140-6736 (20)30566-3

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Considerations for the public health response to COVID-19 in nursing homes. Centers for Disease Control and Prevention. Accessed May 25, 2020.

https://www.cdc.gov/coronavirus/2019-ncov/hcp/nursing-homesresponding.html





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- State reports of long-term care facility cases and deaths related to COVID-19 (as of May 21, 2020). Kaiser Family Foundation. Accessed May 25, 2020. https://www.kff.org/health-costs/issue-brief/state-data-and-policy-actions-to-address-coronavirus/
- Borter G. A nurse struggles with COVID 19 trauma. He was found dead in his car. Medscape. May 21, 2020. Accessed May 25, 2020. https://www.medscape.com/viewarticle/93 0839?nlid=135635_46 22&src=WNL_mdplsnews_20 0522_mscpedit_nurs&uac=260569BZ&spon=24&implD=2 391415&faf=1
- Cooch N. COVID-19: Impact on frontline worker's mental health. Expert opinion. May 7, 2020. https://www.practiceupdate.com/content/covid-19-impact-on-frontline-workers-mental-health/100259





To submit your own question, please email QA@dkbmed.com







Last episode, you talked about doffing and donning and storage of PPE in a hospital setting. Do you have any recommendations for those of us in home health for proper care of our PPE?







What do you feel needs to be in place or happen for nursing students to be able to come back to the hospitals? Many schools of nursing are doing virtual sim lab via Zoom and other platforms.







To receive CME/CE credit:

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