



What We Know & What We Should Plan For

How We Got Here

- Zoonotic
- Asymptomatic spread
- Morbidity and mortality
- Mitigate the spread
 - Physical distancing
 - Face masks
 - Hand hygiene

Sepsis

- In-hospital mortality has declined
 - 35% in 2000 and 18% in 2012
 - Result: large number of patients who survived sepsis
 - COVID-19 has declined from 6% to 3% globally
- In 2014, 1.3 million US adults survived a hospitalization for sepsis.
- Prevention:
 - In-patient
 - High quality early sepsis care – there is limited data with sound plausibility
 - Management of pain, agitation, and delirium – there is moderate data showing 1-year impacts
 - Early mobilization – data is limited to short-term with no insight into long-term outcomes
 - Outpatient
 - Rehabilitation for sepsis-induced weakness

Admissions Before & During COVID-19

- African American Patients & Age
 - No significant difference in age between African American patients admitted before and after COVID-19.
- African American Patients & ICU Length of Stay
 - The median ICU length of stay was 3 days while during COVID-19 the ICU length of stay was 4 days.
- African American Patients & Mortality
 - Statistically significant difference in mortality in African American patients pre-COVID-19 ICU admissions as compared to African American patients during COVID-19 ICU admission.
- African American Elderly Patients & Mortality
 - Significant increase in mortality in African American elderly patients during COVID-19 admissions as compared to pre-COVID-19 admissions.

National COVID-19 Trends

- There is a disproportionate impact on African Americans with COVID-19: 76.9% of the patients hospitalized were African American and 70.6% of the patients who died were African American (Price-Haywood et al., 2020).
- Recognizing racial disparities are important because they may reflect differences in:
 - Biological response
 - Health behaviors
 - Access to or quality of medical care
 - Some or all of the above



Data adapted from "What We Know and What We Should Plan For", a webinar originally held on 10/8/2020. Presented by Panagis Galiatsatos, MD and W. Daniel Hale, Ph.D.



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