

# Hurricane Isaias and COVID19 - A Perfect Storm

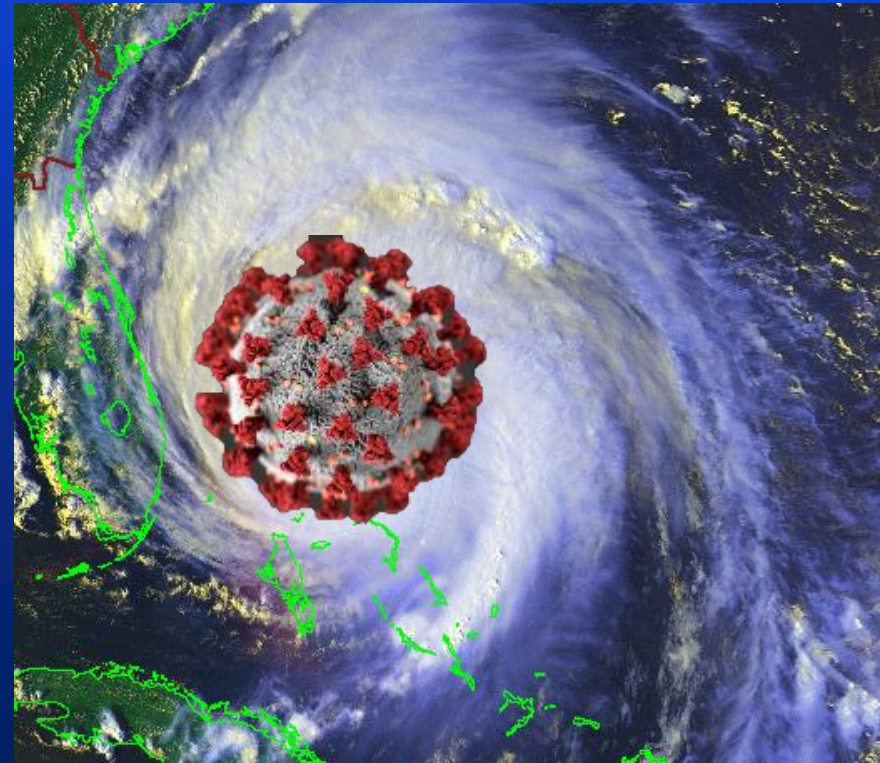
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# Hurricane Isaias and COVID19 - A Perfect Storm

1. Social Distancing

2. Staffing

3. Supplies

4. Covid+ versus Covid- patients



# Hurricane Isaias and COVID19 - A Perfect Storm

## Social Distancing

- hospital staff (sleeping quarters during/after storm, ? hotels)
- people may not evacuate (need to educate public of risks)
- shelters (to assure social distancing need more of them)
- special needs shelters for medical fragile pts (more needed)



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## Staffing

- individuals may not be willing to volunteer (surveys?)
- individuals maybe ill with COVID and unable to volunteer
- individuals may not be released from their FT day jobs due to COVID and thus unable to volunteer

# Hurricane Isaias and COVID19 - A Perfect Storm

## Supplies

- Supply Chain impact 2<sup>nd</sup> flooding and road closures



**Hurricane Floyd 1999- Cat 3**



# Hurricane Isaias and COVID19 - A Perfect Storm

## Supplies

- Supply Chain impact 2<sup>nd</sup> flooding and road closures
- PPE for shelters/field hospital in competition (SNFs/hospital)
- Sleeping quarters (hospital vs. shelter vs. field hospital)
- Cleaning methods (UV light / Foggers ?)



# Hurricane Isaias - Cat I



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# Hurricane Isaias - Cat I





Virginia Beach

Kitty Hawk

Raleigh

Greenville

NORTH  
CAROLINA

Fayetteville

Jacksonville

Wilmington

# Tornado EF1 - Bertie County



# Tornado EF1 - Bertie County



# Hurricanes and COVID19 - A Perfect Storm

## Covid+ vs PUI vs Covid- patients

- Need to divide field hospitals & shelters into different zones
- Need specific protocols and processes
- COVID testing???
- Increased Resp Disease with Hurricanes

Rath B et al. Public Health Rep. 2011;126(6):853-60

Gargano LM et al Disaster Med Public Health Prep. 2018;12(6):697-702



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