

CREATING A HEALTHIER HAWAI'I

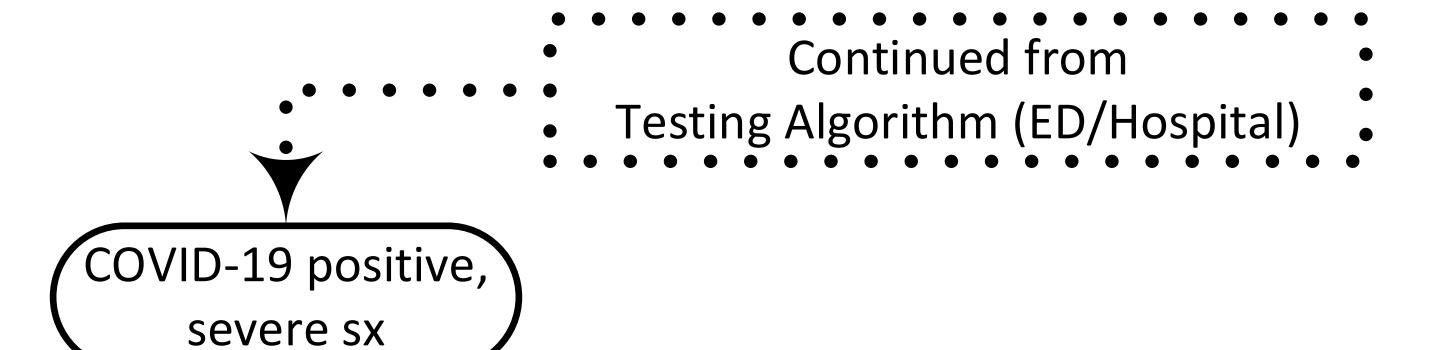
# COVID-19 Results Management Severe Symptoms

(ED/Hospital)

Updated 05/13/2020
Please check

hawaiihealthpartners.org
for frequent updates to

this algorithm.



#### Labs

(Guan et al. NEJM 2020)

- Median WBC 4. 7
- •Lymphopenia 83.2%
- Leukopenia 33. 7%
- •Thrombocytopenia 36.2%
- •CRP, LDH, D- Dimers are frequently elevated
- AST/ALT are sometimes elevated
- •PCT> 0.5 in 5.5% total, 13.7% severe, 24% ICU/death

## Microbiology

ED/Hospital

Notify HDOH

Notify patient

Labs

CBC with diff

Procalcitonin

•CMP

•D-dimer

- Nasopharyngeal swab for Influenza A/B AG reflex PCR
- Consider blood cultures and sputum culture

#### Microbiology

(Current Thinking)

- Coinfection rates with other viruses and bacteria unclear
- Influenza positive makes COVID- 19 less likely
- Bacterial infection is more likely with increased severity

### **Imaging**

- •CXR
- Consider Chest CT if there is diagnostic uncertainty

#### **Imaging**

(Guan et al. NEJM 2020)

- •CXR abnormal in 59.1% total, 76.7% of severe
- •Chest CT abnormal in 86.2% total, 94.6% of severe
- Most common abnormalities: ground glass opacities,
   bilateral patchy consolidations, peripheral distribution

See Treatment Protocol

This algorithm is general guidance to practicing clinicians, may change with time, and is not intended to supersede the medical judgment of the clinician.

Please send in your questions to:
Covid19Bulletin@hawaiipacifichealth.org