

Tags:

Pediatrics, Infectious disease ID

Marketing Assets

- Please identify guest Twitter/Facebook/Instagram handles here (if permission obtained):
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- COVID in kids is overall is a less severe version of the adult disease, with the exception of an emerging Kawasaki-like illness called “pediatric multisystem inflammatory disease”.
- Many efforts are being made across the board to help in non-medical ways to help people cope with the pandemic.

Site Assets

- Navigate to the share [COVID Google Folder](#) and create a copy of this template to store in that folder (DONE)
- Please submit the following assets to Jason on Slack at the time of submitting your CE'd file; until these assets are received in this format, your piece cannot be published

Written Assets Template

Title: COVID findings in Kids

Summary:

In this Hippo Education segment, Sol Behar interviews New York City pediatric emergency doctor Dr. Ee Tay, highlighting the features of pediatric COVID disease, including an emerging illness that is being compared to Kawasaki Shock Syndrome called “pediatric inflammatory multisystem disease” (PIMS)

Shownotes:

Ee Tay, Sol Behar
(Chief of pediatric ER at Bellevue Medical Center)

Ee, you are a NYC PEM doc, tell us about your experience so far...

-pediatric ED census: has dropped overall across the country

-acuity--what are early reports saying about pediatric covid-19, are kids are having a low acuity presentation overall

Overall, much much better than adults. Kids represent about 2.4% of all covid-19 documented infections.

A few case reports of deaths, but overall, it is a mild and sometimes (maybe frequently) asymptomatic disease.

Kids are manifesting with a range of symptoms from cough URI, fever, sore throat, myalgias, as well as GI symptoms such as v/d/abd pain (GI symptoms are being reported more frequently than in adults)

almost ½ kids who have covid-19 do not have a fever! (Yikes!)

Incubation: usually 3-7 days, one report up to 24 days!

Kids with underlying medical problems seem to fare worse than previously healthy kids, though the medically complicated kids are not becoming critically ill at alarming rates so far

There are a couple of unique anecdotal things people are discussing at this time as pediatric manifestations, but there is not a lot of literature about it, just case reports, many on social media and news outlets, so take this with a grain of salt..

1. "Covid toe"- an acral rash seen on the distal toes (sometimes fingers) , clinically resembling pernio (aka chilblains). It seems to be due to microthrombosis leading to painful rash in the feet and hands, self resolving and non-scarring. Lasts 1-2 weeks.
2. Newly described is a Kawasaki like vasculitis being called "pediatric inflammatory multisystem syndrome" with some features of toxic shock (low BP, organ dysfunction), macrophage activation syndrome... some myocarditis and coronary involvement... first reported in UK, now several cases in NYC. We don't know much as of now, perhaps this is just a cluster of KD cases, but ?consider covid testing if this is the presenting constellation of symptoms. As of today, announced 64 cases in NYC...
(<https://www.rcpch.ac.uk/sites/default/files/2020-05/COVID-19-Paediatric-multisystem-%20inflammatory%20syndrome-20200501.pdf>)

As of a 5/4/20 NYC Health Department alert: Fifteen cases compatible with multi-system inflammatory syndrome have been identified in children in New York City hospitals.

Characterized by persistent fever and features of Kawasaki disease and/or toxic shock syndrome; abdominal symptoms common

Cases may require intensive care unit admission for cardiac and/or respiratory support

Polymerase chain reaction testing for SARS-CoV-2 may be positive or negative

(<https://www1.nyc.gov/assets/doh/downloads/pdf/han/alert/2020/covid-19-pediatric-multi-system-inflammatory-syndrome.pdf>)

-how are the pediatric EM docs helping with the surge of adults (seeing older patients, etc)- she sees up to age 24 years

-let's talk about your birthday and how you celebrated this year..

Ee motivated via FB a movement to get 650 ipads donated to patients who were isolated for coronavirus and unable to see their patients. Many were dying or peri intubation. She tells of other efforts to 3D print face shields and donate food.

References:

https://www.health.ny.gov/press/releases/2020/docs/2020-05-06_covid19_pediatric_inflammatory_syndrome.pdf

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