

# COVID update Oct 14 2020

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No disclosures

Opinions expressed only my own

# Media and COVID19 Indian Country

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# *'A Devastating Blow': Virus Kills 81 Members of Native American Tribe*

More than 10 percent of the Mississippi Band of Choctaw Indians has had the coronavirus, and the tribe is bracing for a second wave and more devastation.



Logan Denson's grandmother Lena John Denson died from the coronavirus in June in Choctaw, Miss. The Mississippi Band of Choctaw Indians has been one of the state's hardest-hit communities. Rory Doyle for The New York Times

# Covid-19 and the President

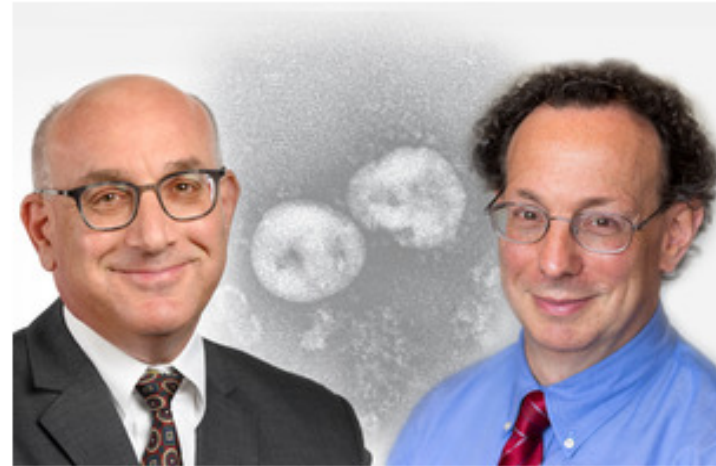
Supplement to the N Engl J Med 2020; 383:e104

Eric Rubin is the Editor-in-Chief of the *Journal*.

Lindsey Baden is a Deputy Editor of the *Journal*.

Stephen Morrissey, the interviewer, is the Executive Managing Editor of the *Journal*.

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# Disclaimers

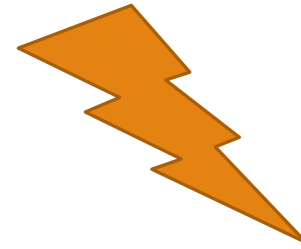
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- Limited information on course of disease and symptoms
- Do not want to second guess physicians treating president
- Use it as a walkthrough if this were a normal patient and decisions that must be made with limited information

# We have a situation

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Paging Dr Mera



# Supportive therapy/Oxygen 1 of 2

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- Hypoxemia can cause end organ damage especially in those with comorbid conditions, and complications in course of disease like thrombosis
- As per any pneumonia, maintain oxygen with supplemental in all but a few instances
- No data on therapeutic supplemental oxygen, treatment based on principle
- Proneing can avoid intubation
- No controlled trials or randomized studies, based on principle, and a high degree of faith in these interventions

# Oxygen 2 of 2

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- Hypoxemia as a marker of illness--but can have low oxygen levels with mild symptoms
- Measurement of oxygen levels ideally early and often to identify progression of disease since it may not follow symptomology, needs further study
- More important in vulnerable patients
- How to monitor symptoms, fever, oxygen levels in home care situations, and when to escalate care before more severe illness occurs



# Antivirals

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- Several candidates had an underlying rationale and preclinical promise but evidence did not materialize (Lopinavir, hydroxychloroquine)
- Only approved antiviral Remdesivir seems to shorten course of illness
- Needed earlier in course of disease
- Main downside is IV requirement
- More data and studies needed (timing in course of disease, 5 day and 10 day, survival impact)

# Corticosteroids

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- Dexamethasone given later in infection reduced death rate in RCT
- Steroids can alleviate symptoms of any infection, so it can be harder to track the course of infection and give a false sense of security
- Dexamethasone is well known, widely available, and inexpensive
- Currently a 'blunt hammer,' not known if or when more targeted immune modulators will be part of treatment

# Degree of difficulty

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- Critical to know patient's course of disease for windows of treatment
- Antivirals early when replication causing pathology
- Immune modulators later when immune dysregulation causing pathology. If given early, reduction in host response could increase viral replication
- Markers to determine where patient is in course of disease



# Monoclonal antibodies

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- Not available still in early clinical trials
- Underlying rationale and preclinical information, but more data needed
- Convalescent plasma varies donor to donor, monoclonal antibodies more consistent and scalable

# Usage

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-Benefits not yet defined, but toxicities limited

-One MD said it is a reasonable choice to use, but the other saw more risk in Unknowns, wanted systemic high-quality data first

-Difficulties of making decisions and defining risk benefit ratio with limited options and limited data



# Caution

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- President is one patient, his course of disease and treatment is anecdotal
- There were additional aspects of treatment (aspirin, melatonin)
- Don't know triggers for elements of his treatment decisions and the results

# What about preventive measures?

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- Masks and social distancing are not perfect
- BUT distance and barriers work for any respiratory virus
- High contagion, morbidity and mortality

# Data update

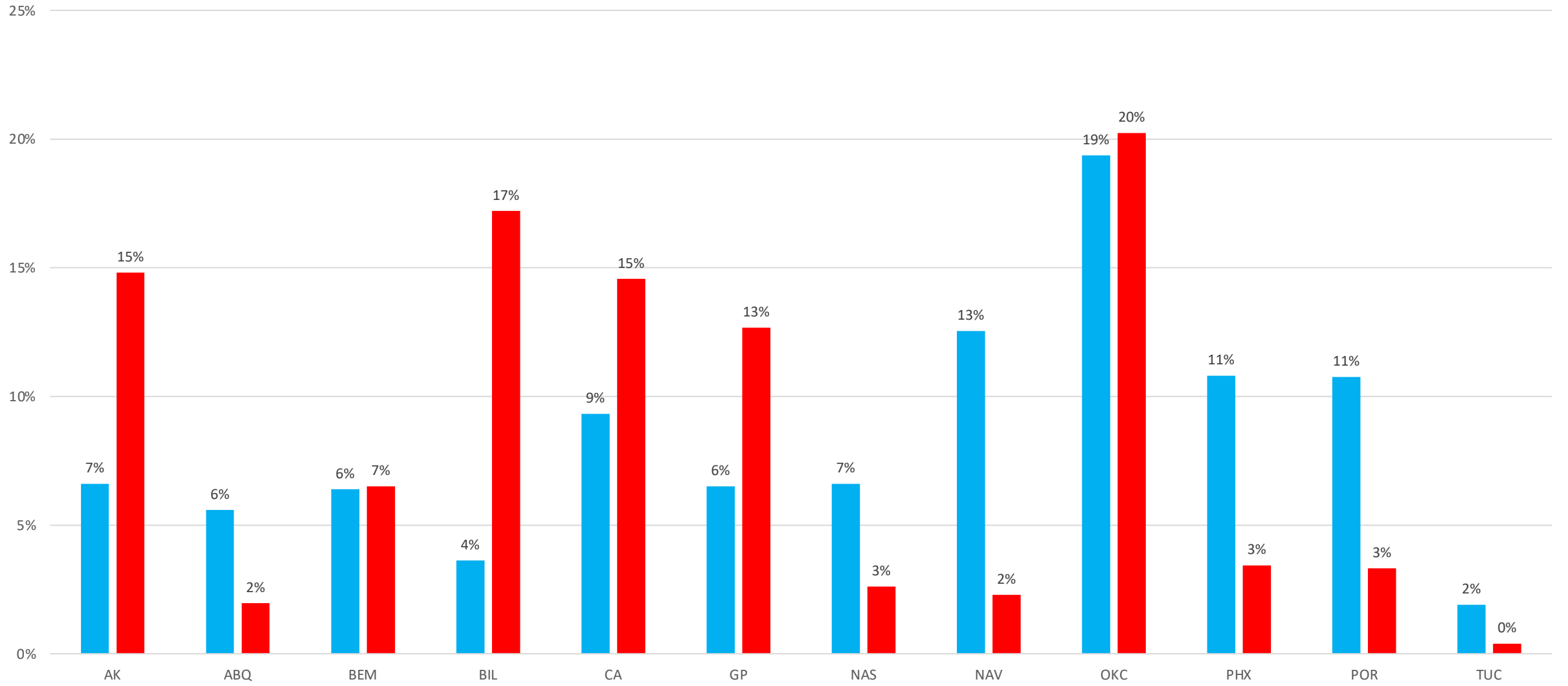
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Trends, POR and BIL as examples

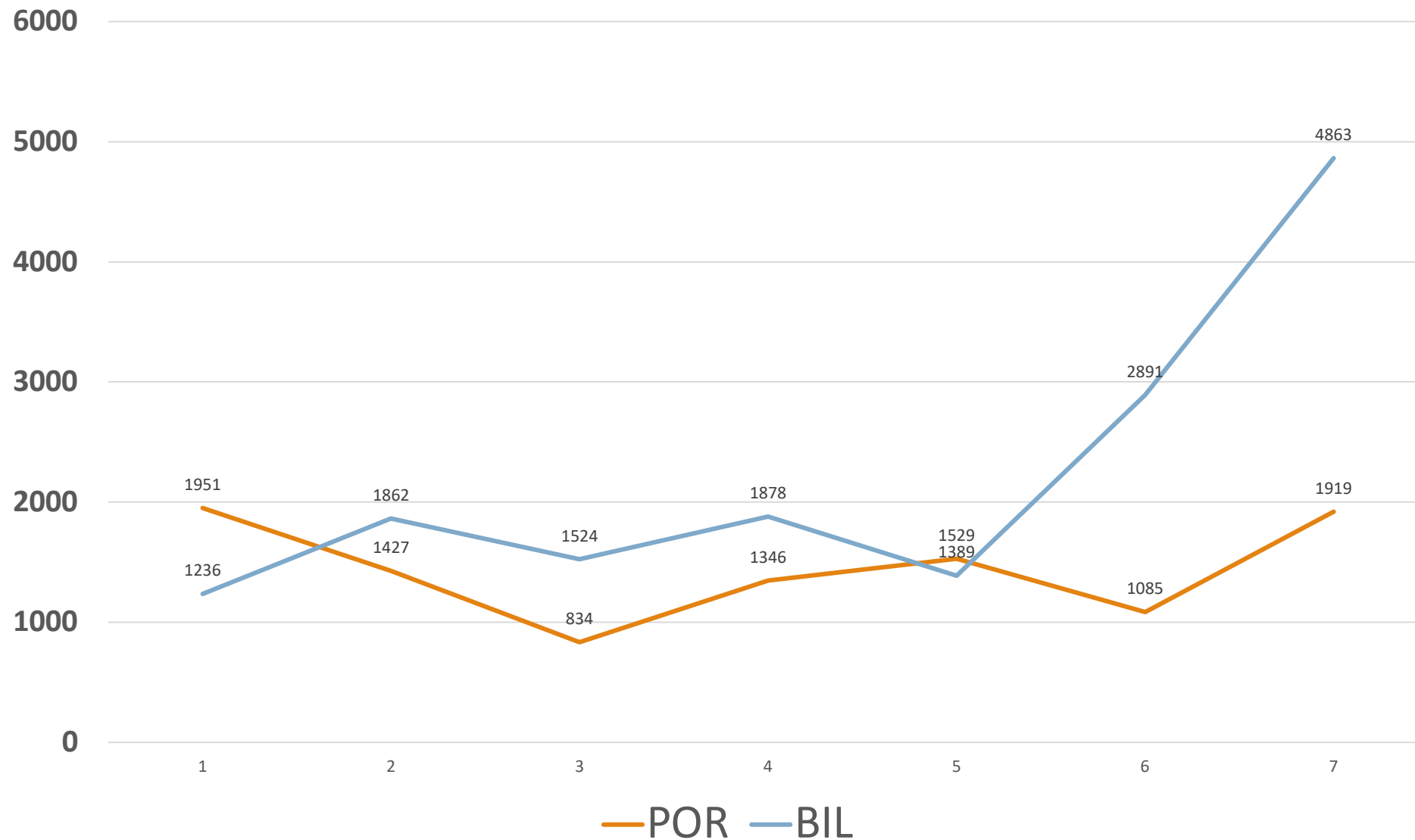
User Pops approx.: 228,000 and 77,000



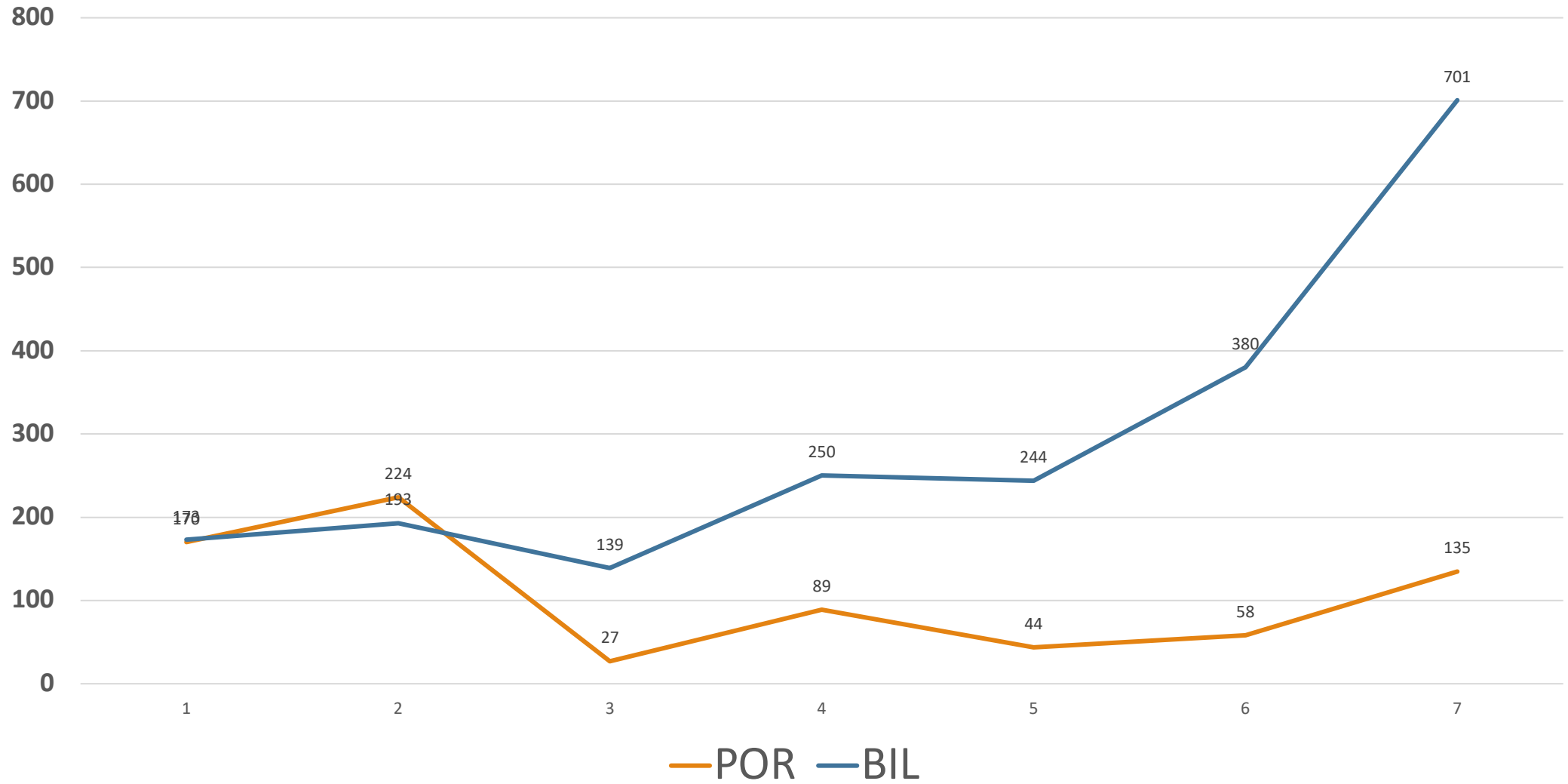
**% of national user population (blue)**  
**% of nationally reported COVID Oct 2-9 (red)**



# SARS-CoV-2 tests, Aug 21- Oct 9, by week



# positive SARS-CoV-2 tests, Aug 21-Oct 9, weekly



# CDC and FDA COVID19 communication resources

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<https://www.cdc.gov/coronavirus/2019-ncov/communication/index.html>

<https://www.fda.gov/media/142400/download>

## Communication Tools

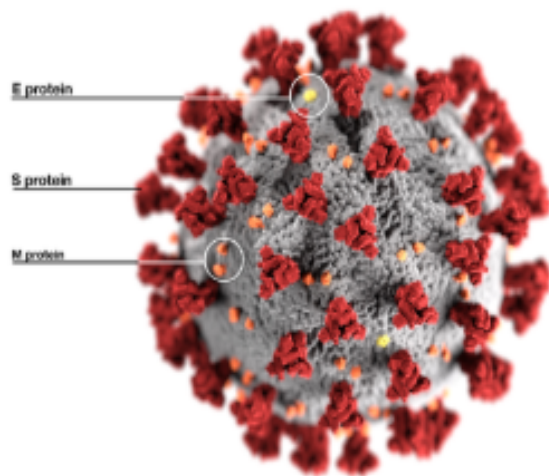


Social distancing means putting space between yourself and others.

### Social Media Toolkit

Toolkit to help localize efforts in responding to the virus that causes COVID-19.

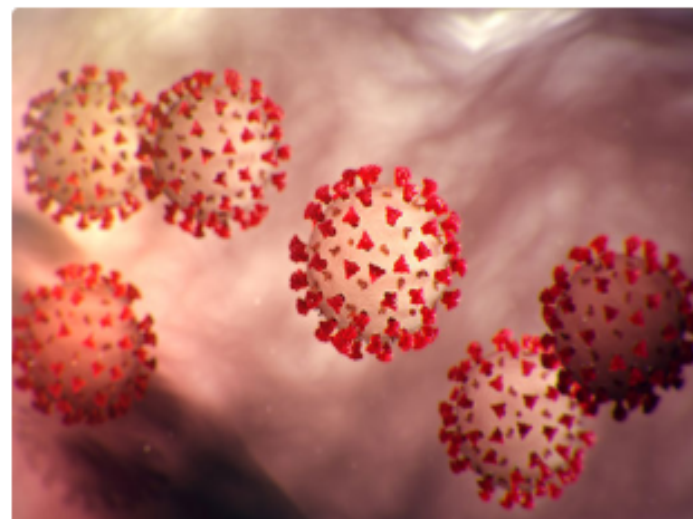
[Español](#)



### COVID-19 Microsite

Real-time COVID-19 information added to your website.

[Español](#)



### Digital Press Kit

A collection of media resources on COVID-19 response, published online.

## FDA Approved Tweets for Stakeholders

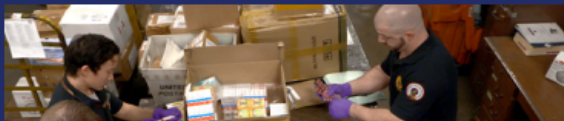


FDA has provided the following approved social media messages on topics related to COVID-19 to help as you share this important information with your members.

### FRAUDULENT PRODUCTS

1. .@US\_FDA is warning individuals and companies selling unapproved products with claims that they mitigate, prevent, treat, diagnose, or cure #COVID19. Learn more at <https://www.fda.gov/consumers/health-fraud-scams/fraudulent-coronavirus-disease-2019-covid-19-products>
2. Currently, there is no product approved, cleared, or licensed by FDA to treat or prevent #COVID19. Learn the facts at <https://www.fda.gov/consumers/health-fraud-scams/fraudulent-coronavirus-disease-2019-covid-19-products>
3. .@US\_FDA has a dedicated task force closely monitoring for fraudulent products in the market as part of our #COVID19 response. Learn more at <https://www.fda.gov/safety/report-problem-fda/reporting-unlawful-sales-medical-products-internet>
4. DYK! You can report anyone claiming their product can prevent or cure #COVID19 to @US\_FDA <https://www.fda.gov/safety/report-problem-fda/reporting-unlawful-sales-medical-products-internet>
5. Be careful. Don't believe everything you hear or read about #COVID19. Learn more from @US\_FDA <https://www.fda.gov/consumers/consumer-updates/beware-fraudulent-coronavirus-tests-vaccines-and-treatments>

To include an accompanying image with any of the above tweets, click any of the images below to visit the websites where each image can be downloaded.



- Prevention and general messages
- Fraudulent products
- Medical countermeasures
- “Multicultural”

# Thank you

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