Addressing the COVID-19 Crisis: An Open Forum Webinar Series for Pharmacists

July 9, 2020
Michael D. Hogue, PharmD, FAPhA, FNAP
Dean and Professor
Loma Linda University School of Pharmacy
President, APhA

Host and Moderator
Today’s Focus:

Discuss the role of epidemiology in community protection and how pharmacists can play a role in community surveillance.
Vibhuti Arya, PharmD, MPH  
Associate Clinical Professor  
St. John's University College of Pharmacy and Health Sciences  

Clinical Advisor  
New York City Department of Health and Mental Hygiene  

Guest Speaker
Daniel Zlott, PharmD, BCOP
Vice President
Professional Education Resources
American Pharmacists Association

Subject Matter Expert: Q&A
Ilisa BG Bernstein, PharmD, JD, FAPhA
Senior Vice President, Pharmacy Practice and Government Affairs
American Pharmacists Association

Subject Matter Expert: Q&A
Format for Today’s Webinar

1:00 pm: Introductions

1:05 pm: Discussion with Vibhuti Arya, Associate Clinical Professor, St. John's University College of Pharmacy and Health Sciences, and Clinical Advisor, New York City Department of Health and Mental Hygiene

1:25 pm: Open Forum: A Minute for Your Thoughts

1:50 pm: Wrap Up: Review of APhA’s Ongoing Activities and What’s Coming
Discussion with Vibhuti Arya

Discuss the role of epidemiology in community protection and how pharmacists can play a role in community surveillance.
Epidemiology and COVID: Why Data Matter

Vibhuti Arya, PharmD, MPH
Epidemiology: The Ultimate Search for Truth
COVID Tracker - New York State

Statewide

Total Persons Tested
4,402,452

Total Tested 7/07
57,585

Total Tested Positive
398,929

Sex Distribution of Positive Cases

Female 50.7% 48.6% 0.6%

New Positives 7/07
692

Persons Tested Positive by County

Click County to See Detail
Click Again for Statewide

Albany 2,175
Allegany 64
Bronx 48,076
Broome 766
Cattaraugus 130
Cayuga 122
Chautauqua 149
Chemung 147
Chenango 159
Clinton 106
Columbia 482
Cortland 54
Delaware 91
Dutchess 4,250
Erie 7,596
Essex 49
Franklin 33
Fulton 262
Genesee 244
Greene 263

County Stats

County Name  Number of Persons Tested  Tested Positive  % Positive Results  Persons Tested Today  New Positives Today

Click for Daily Trends
Click for Table View
Click for Fatality Data
FAQs & Helpful Links
Covid-19 case growth rates

The chart below uses a logarithmic scale to show how quickly the number of known Covid-19 cases is growing in each state and territory. Select a location or hover over each line to see how quickly the number of known cases is doubling in that state or territory.

In the United States the number of known cases is doubling about every month.

Note: Doubling times are based on the previous week.
Last updated: July 8, 2020 at 10:35 a.m. ET
Source: Johns Hopkins University Center for Systems Science and Engineering
Covid-19 case growth rates

The chart below uses a logarithmic scale to show how quickly the number of known Covid-19 cases is growing in each state and territory. Select a location or hover over each line to see how quickly the number of known cases is doubling in that state or territory.

In **New York**, the number of known cases is doubling about every year.
Covid-19 case growth rates

The chart below uses a logarithmic scale to show how quickly the number of known Covid-19 cases is growing in each state or territory. Select a location or hover over each line to see how quickly the number of known cases is doubling in that state or territory.

In Florida, the number of known cases is doubling about every two weeks.

Note: Doubling times are based on the previous week.
Last updated: July 8, 2020 at 10:35 a.m. ET
Source: Johns Hopkins University Center for Systems Science and Engineering
NextStrain.org
COVID-19 VS OTHER DISEASES

Estimates suggest the COVID-19 coronavirus is less deadly than the related illnesses SARS or MERS, but more infectious ($R_0$) than seasonal influenza.

- Ebola: $R_0 > 50$
- MERS: $20 < R_0 < 40$
- Avian flu A(H7N9): $10 < R_0 < 30$
- Tuberculosis: $R_0 = 10$
- SARS: $1 < R_0 < 3$
- COVID-19: $1 < R_0 < 3$
- Seasonal flu: $R_0 = 1$
- 1918 pandemic flu A(H1N1): $0 < R_0 < 1$

Basic reproduction number ($R_0$)
COVID-19 SARS-CoV-2 preprints from medRxiv and bioRxiv

6244 Articles (4968 medRxiv, 1276 bioRxiv)

Most recent first

Correlation of ELISA based with random access serologic immunoassays for identifying adaptive immune response to SARS-CoV-2

10.1101/2020.07.06.20145938 — Posted: 2020-07-06

Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients


Artificial intelligence driven assessment of routinely collected healthcare data is an effective screening test for COVID-19 in patients presenting to hospital


Atypical Presentations of COVID-19 in Care Home Residents presenting to Secondary Care: A UK Single Centre Study

Rawle, M. J., Bensfield, D. L., Brill, S. E.
10.1101/2020.07.07.20148148 — Posted: 2020-07-08

Subject Areas

All Articles

Addiction Medicine
Allergy and Immunology
Anesthesia
Cardiovascular Medicine
Dentistry and Oral Medicine
Dermatology
Emergency Medicine
Endocrinology (including Diabetes Mellitus and Metabolic Disease)
Epidemiology
Forensic Medicine
Gastroenterology
Genetics and Genomic Medicine
Geriatric Medicine
Health Economics
Health Informatics
Health Policy
Health Systems and Quality Improvement
Hematology
HIV/AIDS
Infectious Diseases (except HIV/AIDS)
Intensive Care and Critical Care Medicine
Medical Education
Join the APhA-APPM Public Health SIG!

Purpose: To serve as the leading convening body across APhA and the profession to promote and advance the role of the pharmacist in public health.

• Communications
• Education
• Policy
• Pharmacists’ Roles in Public Health: We are a collective!
• Data driven approaches to improve patient care

SIG Leaders: David Steeb – Coordinator; Vibhuti Arya – Coordinator-elect

https://www.pharmacist.com/public-health-sig-0
Polling Question

Has your pharmacy worked with the health department to respond to COVID-19 within your community?
A. Yes
B. No
C. Not applicable to my pharmacy practice
Open Forum Ground Rules

• Use the **Questions** field on the GoToWebinar toolbar to submit comments and questions related to the topic discussion.

• Individuals whose submissions are selected will be asked by the moderator to state the comment or question for the audience. The line for the individual will be unmuted to read their comment or question.

• To maximize the number of questions/comments addressed, a **60-second time limit** will be in effect for everyone to state their question or comment.

• We will try to get to as many comments and questions as possible. We have created a new forum for COVID-19 discussions where further discussion post-webinar. Information on participating in this forum will be provided at the end of the open forum.
Open Forum Discussion: A Minute for Your Thoughts
Comments, Questions, Feedback
Review of APhA’s Ongoing Activities and What’s Coming
Recent Episodes – APhA’s 15 on COVID-19

An education series designed to help you sort COVID-19 fact from fiction. Each episode is 15-20 minutes and provides CPE.

Episode 20: Remdesivir RCT Data

Episode 21: Telehealth
APhA COVID-19 Resources: Know the Facts

Practical Information for Pharmacists to Know Now

Check out the practice resources here

- COVID-19: Vaccination Basics
- Telehealth in Your Pharmacy Practice
- New resources weekly!
News from HHS:

“HHS Expects to Renew the Public Health Emergency Due to COVID-19 Before it Expires”

Will be issued at: https://www.phe.gov/emergency/news/healthactions/phe/Pages/default.aspx
Advocating for You on Coronavirus

COVID-19 Flexibilities -- APhA to CMS:

- Establish a clear pathway for pharmacist payment for testing and testing services
- Clarify across the country for incident-to billing at higher levels
- Expedite “other licensed practitioner” status in state Medicaid programs
- Expand and make permanent pharmacy telehealth services
- Expand and make permanent coverage for home specimen collection incorporating health care professionals (including pharmacists)
Immunizations -- APhA and Rest of Pharmacy to HHS:

- Authorize pharmacists to order and administer FDA-authorized COVID-19 vaccines
- Specify that this authority is uniform across the country and preempts state and local requirements
Tell Congress Pharmacists Can Help Fight COVID-19 & Influenza

Congress is currently crafting new emergency legislation to address the COVID-19 pandemic. Please contact your federal legislators immediately and ask them to allow pharmacists to test Medicare patients for COVID-19 and influenza.

You can personalize the message by editing the content to share a relevant personal experience related to patient care. Legislators value real life examples of pharmacists helping patients. Remember to be polite and include your name and the city of your residence or pharmacy practice.

GO TO: actioncenter.pharmacist.com
Post on ENGAGE
Pharmacy’s Response to COVID-19

POST your questions
SHARE your lessons learned
SUPPORT your colleagues
ACCESS the latest information

Are you engaged with your state and local health departments?
Are you involved in public health efforts?
Join Us
Same day, Same Time, Same Place

- Weekly webinar will be on **Thursday, July 16th**, from 1-2pm ET
- Today’s webinar recording and slides will be available within 24 hours

[https://www.pharmacist.com/coronavirus/resources-training](https://www.pharmacist.com/coronavirus/resources-training)