

# IAFC WEBINARS



## COVID-19 Weekly Updates

Coronavirus: What Fire Chiefs Need to Know

**Monday, May 4, 2020 | 4 PM ET**

[iafc.org/covid19](https://iafc.org/covid19)



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

Before we begin

Audio is being broadcast using VoIP technology through your computer speakers or headset.

Please make sure your speakers or headset are turned on and the volume is turned up.



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

Before we begin

If you experience technical difficulties, please contact WebEx

Support at:

**+1-866-229-3239**

or

**[www.help.webex.com](https://www.help.webex.com)**



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## **INTRODUCTION OF PANELISTS**

Chief Gary Ludwig, IAFC President

Fire Chief John Sinclair, Chair COVID19 Task Force

Dr. Jim Augustine, MD, FACEP, IAFC COVID-19 TF, EMS Section Representative

Mr. Ken LaSala, IAFC Director of Government Relations

## **AND SPECIAL GUESTS**

Chief Steve Pegram, Chair Economic Crisis Task Force

Dan DeGryse - Battalion Chief (Retired) Chicago Fire Department and Director of the Rosecrance Florian Program



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

Fire Chief Gary Ludwig

IAFC President



# IAFC WEBINAR

[iafc.org/covid19](https://iafc.org/covid19)

**James J Augustine, MD**

Fire EMS Medical Director

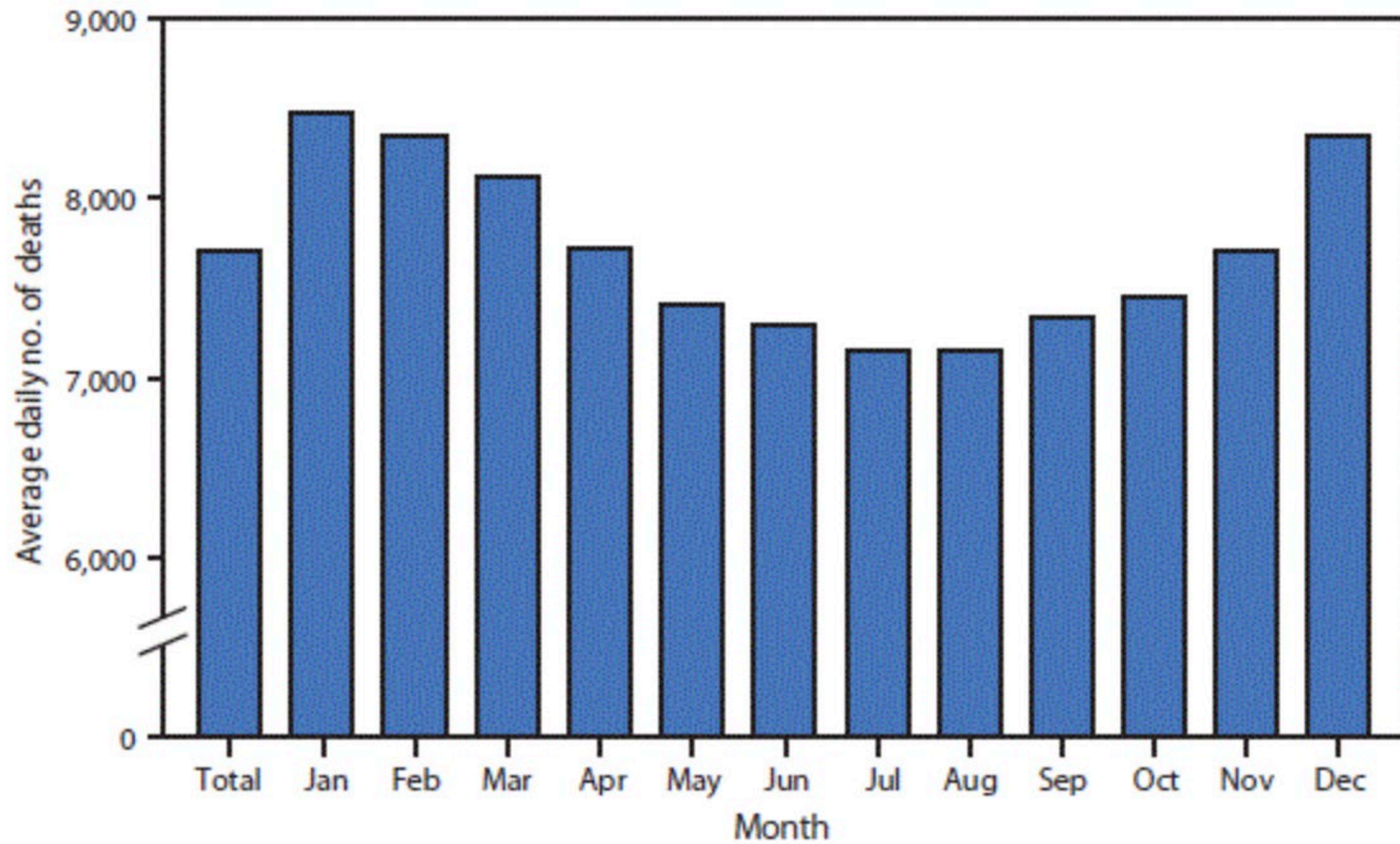




# IAFC WEBINAR

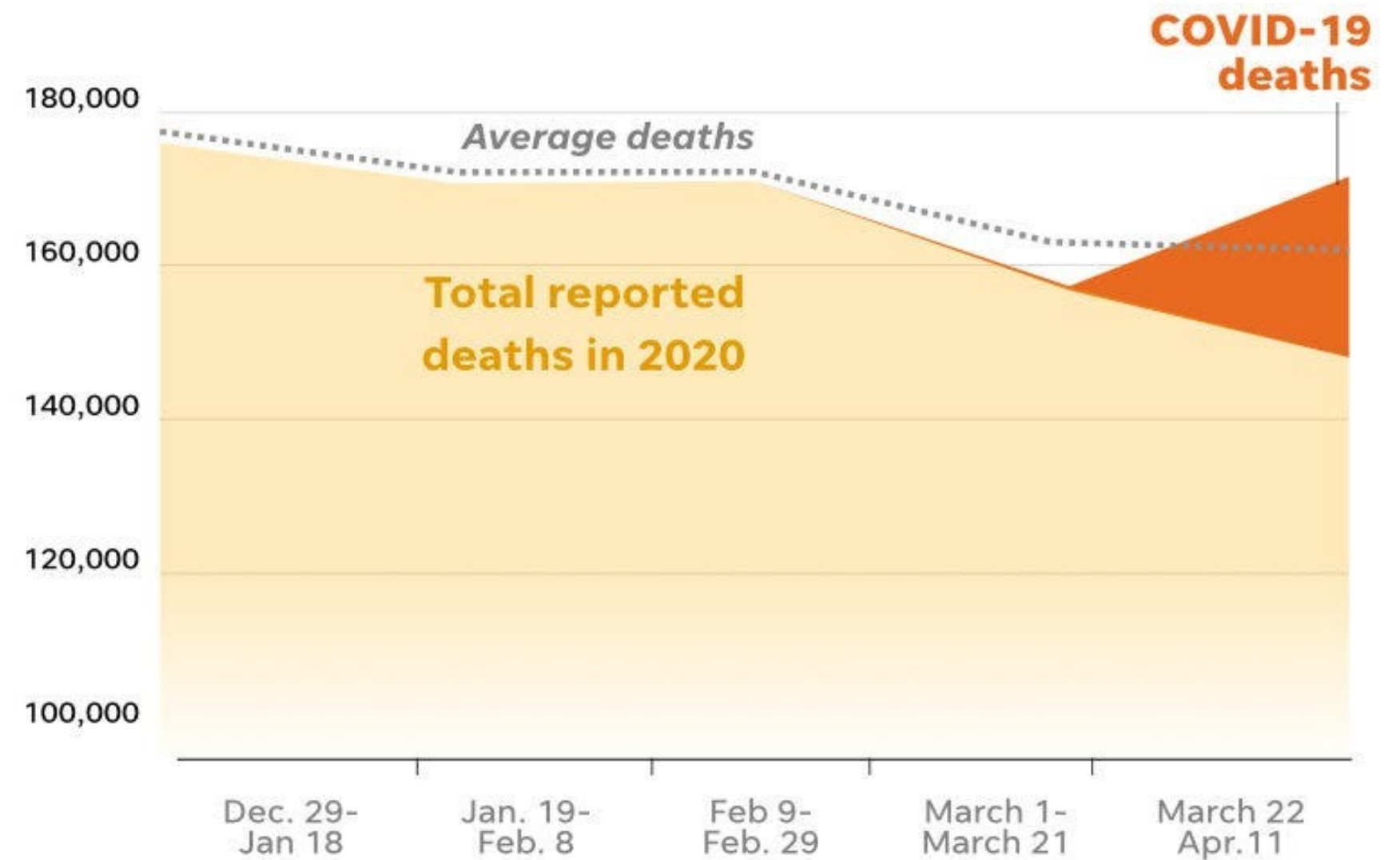
iafc.org/covid19

# Watching Hospitalizations and Deaths



\* Deaths include U.S. residents only.

Deaths in early 2020 compared with the average



SOURCE: CDC and USA Today Analysis



# IAFC WEBINAR

[iafc.org/covid19](https://iafc.org/covid19)

## Coronavirus: What we are Learning

- Is one of our Staff Members Sick?
  - Symptom Check
  - Thermometer
- Is the Patient Sick?
  - Pulse oximeter





# IAFC WEBINAR

iafc.org/covid19

## Coronavirus: What we are Learning

- 50% of deaths are in “senior facilities”
- There are large numbers of asymptomatic persons
- There are a broad range of symptoms and acuities

**Coronavirus (COVID-19)**

**Spot the symptoms**

- Very Common
- Sometimes

**HEADACHE**  
Some COVID-19 patients will experience headaches.

**FATIGUE**  
Some patients with COVID-19 will experience tiredness and fatigue.

**SORE THROAT**  
Some COVID-19 patients will experience sore throat.

**BODY ACHES AND PAINS**  
Some COVID-19 patients will experience mild to severe body aches and pains.

**FEVER**  
Is very common among COVID-19 patients and can range from mild to severe.

**COUGH**  
Most COVID-19 patients will experience a cough, and it will usually be dry.

**SHORTNESS OF BREATH**  
Most COVID-19 patients will experience shortness of breath, ranging from mild to severe.

**LESS COMMON SYMPTOMS:**  
Runny or stuffy nose, as well as diarrhea are less common among patients diagnosed with coronavirus, but may be experienced by some patients.

**In adults, emergency warning signs\* of COVID-19 include, but are not limited to:**

- Persistent pain or pressure in the chest
- New confusion or inability to arouse
- More severe difficulty breathing
- Bluish lips or face

\*If you develop emergency warning signs, consult your medical provider immediately.

MERCYHEALTH





# IAFC WEBINAR

[iafc.org/covid19](https://iafc.org/covid19)

## Coronavirus: Testing for the Virus



### **PCR = Polymerase Chain Reaction**

A method to analyze for a short sequence of RNA

A swab of nose or throat, or spit in a bottle

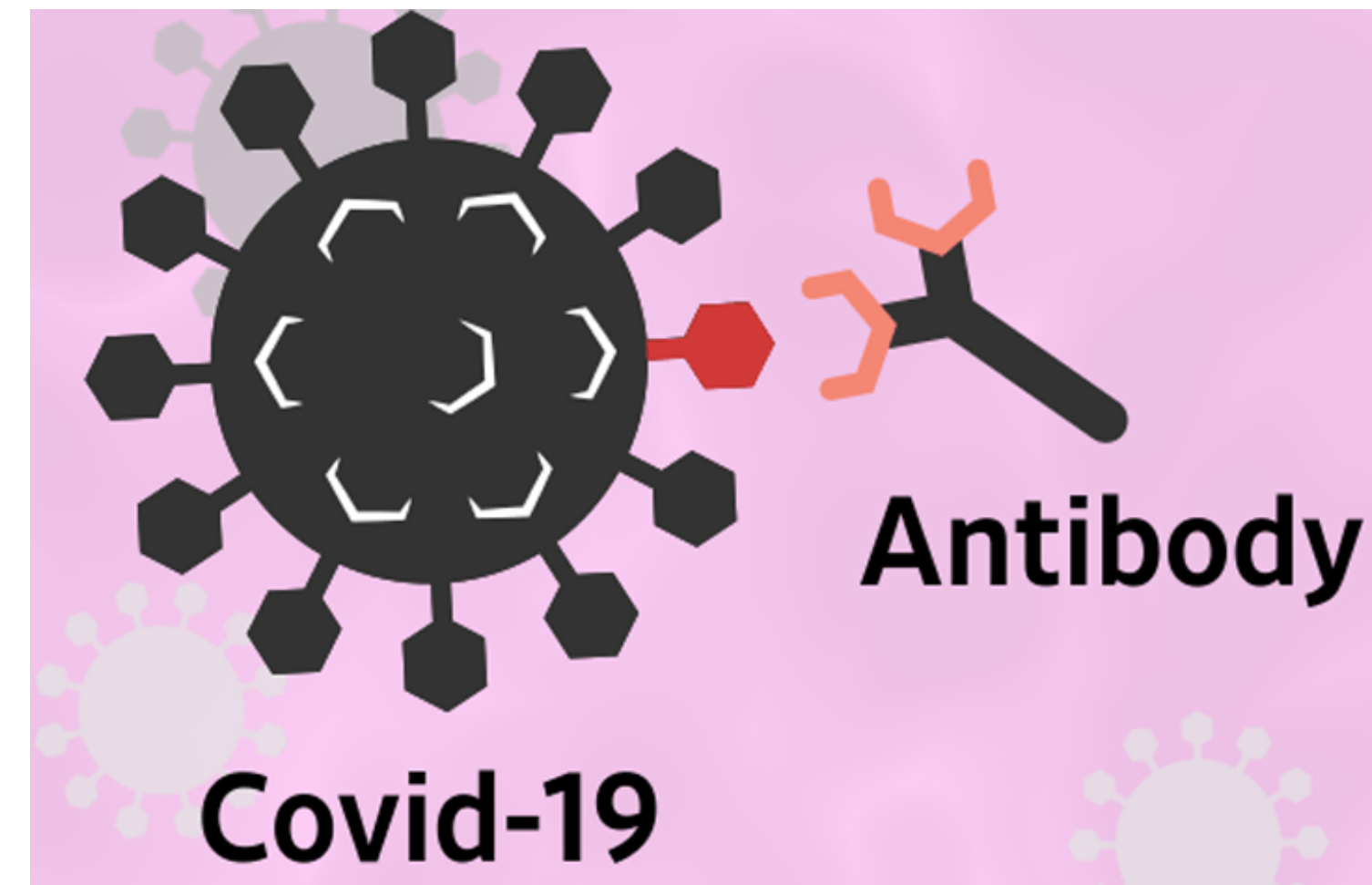
Many have rapid answers (within an hour)





# IAFC WEBINAR

[iafc.org/covid19](http://iafc.org/covid19)



## Testing for Antibodies

The FDA has resources for health care providers regarding serological tests intended to detect antibodies to COVID Links:

[Letter to Health Care Providers](#)

[FAQs on Diagnostic Testing for SARS-CoV-2](#)

[FDA Fact Sheet - Serological Testing for Antibodies to SARS-CoV-2 Infection](#)

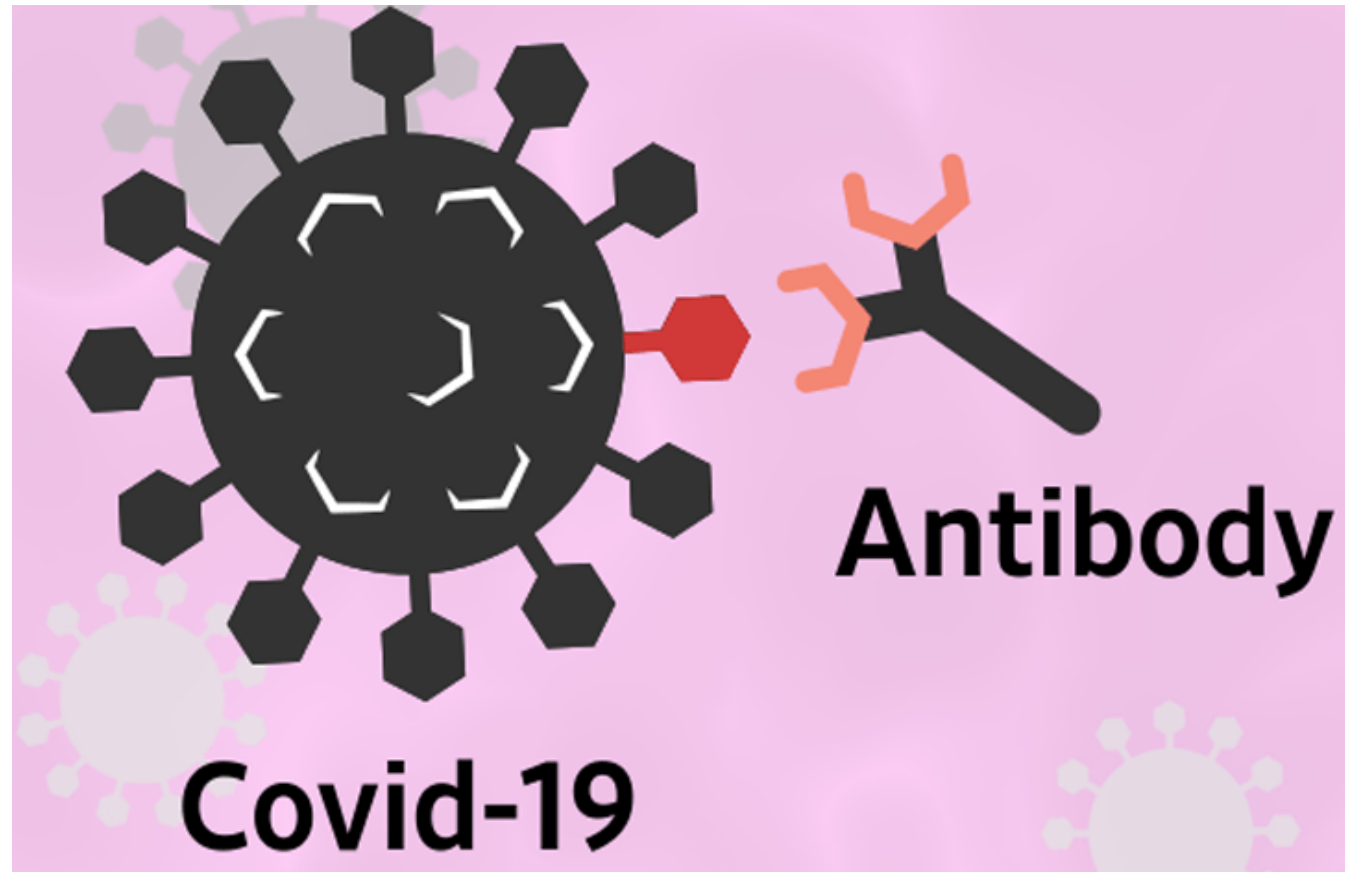
Fire EMS Research Programs are Starting





# IAFC WEBINAR

[iafc.org/covid19](http://iafc.org/covid19)



## Testing for Antibodies

- Antibody Testing
- IgM is the first one found
- IgG is the later one found, and longer lasting
- “Durable Immunity” unknown at present



New Haven Register

Fears of 'Wild West' as COVID-19 blood tests hit the market -



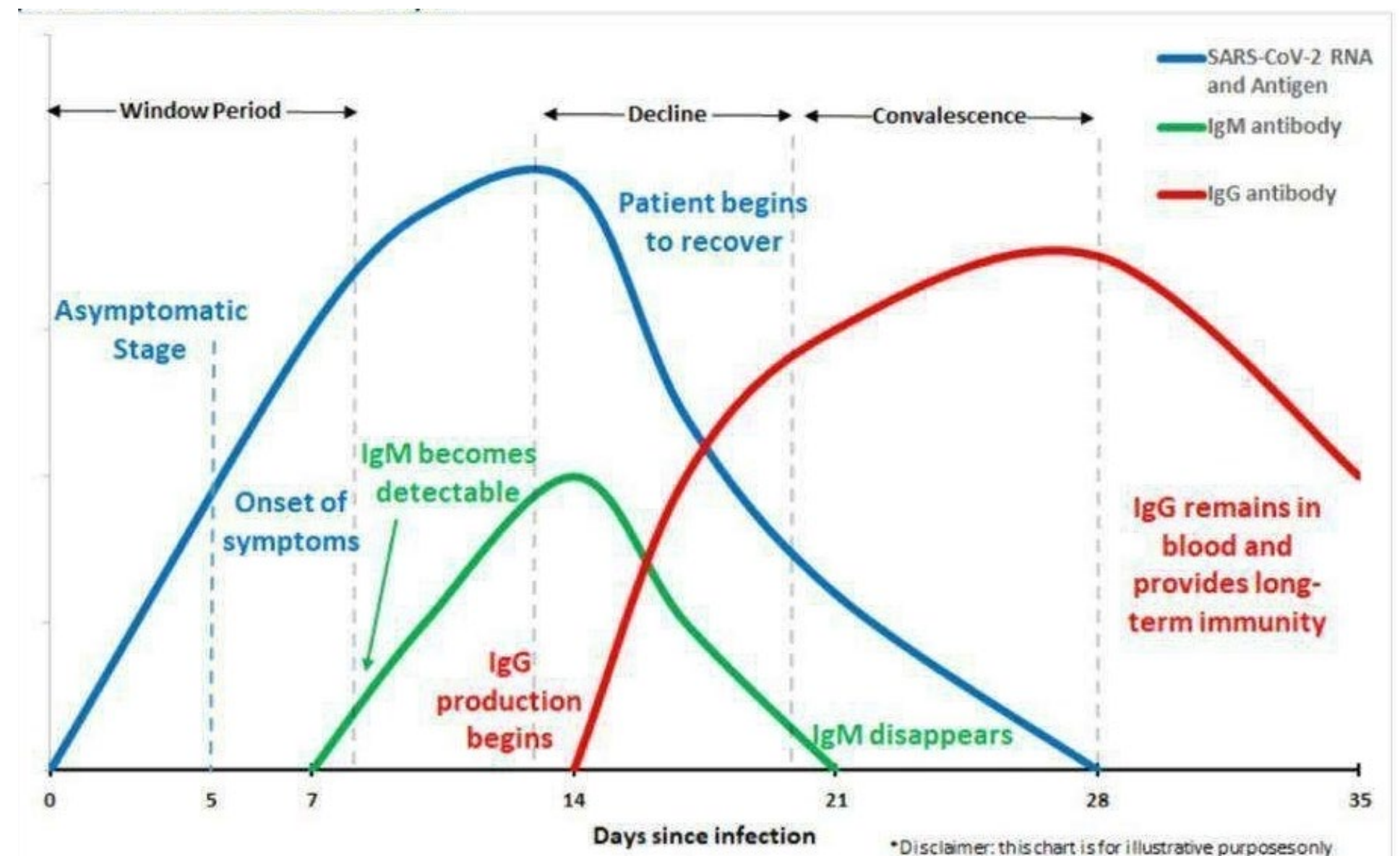
# IAFC WEBINAR

iafc.org/covid19

- Testing is becoming key to future waves
- Some with rapid answers looking for the virus
- Then the application of antibody tests

## COVID Testing Sequence

Test Results			Clinical Significance
PCR	IgM	IgG	
+	-	-	Infected, window before antibodies
+	+	-	Infected, early stage
+	+	+	Infected, active stage OR Persistent Shedding
+	-	+	Infected, late stage or recurrent
-	+	-	Early stage infection, PCR false negative
-	-	+	Prior infection, with durable immunity







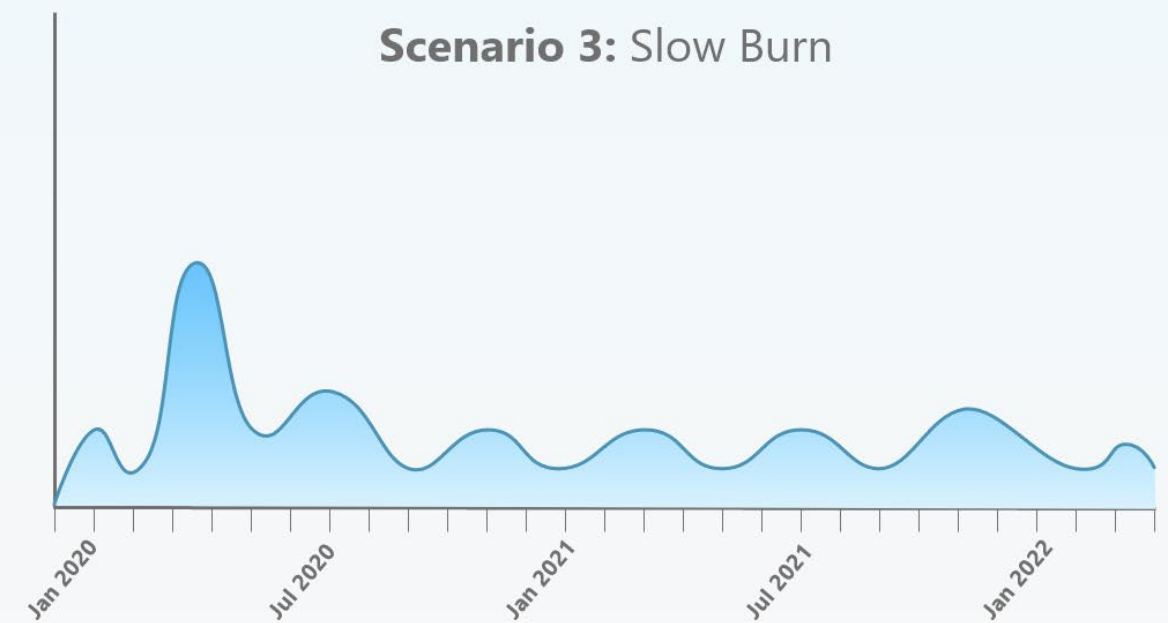
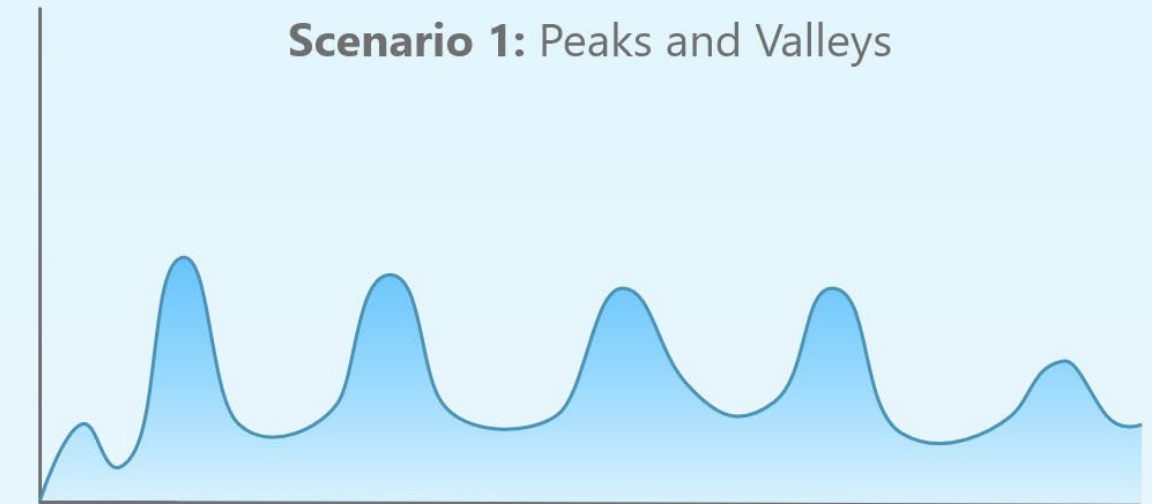
# IAFC WEBINAR

[iafc.org/covid19](https://iafc.org/covid19)

## COVID Wave Scenarios

Ctr for Infectious Disease Research and Policy  
(CIDRAP)

### Possible Pandemic Wave Scenarios for COVID-19



COVID-19 Cases

Month



# IAFC WEBINAR

[iafc.org/covid19](https://iafc.org/covid19)

## CIDRAP Recommendations

- States, territories, and tribal health authorities should plan for the worst-case scenario (Scenario 2), including no vaccine availability or herd immunity
- Government agencies and healthcare delivery organizations should develop strategies to ensure adequate protection for healthcare workers when disease incidence surges
- Government officials should develop concrete plans, including triggers for reinstating mitigation measures, for dealing with disease peaks when they begin
- Risk communication messaging from government officials should incorporate the concept that pandemic will not end soon, and people need to prepare for possible periodic resurgences of disease over the next 2 years



# IAFC WEBINAR

iafc.org/covid19

## Return and Reopening

### Opening America

In order to get and keep America open states, tribes, localities, and territories must be able to quickly identify new cases, break chains of transmission, and protect first responders and health care workers from infection.

[Infection Prevention & Control](#)  
[Surveillance & Data](#)  
[Laboratory Capacity](#)

HELPING TO  
*Get & Keep America Open*

[More Guidance](#)

- Testing
- Identification
- Containment



# IAFC WEBINAR

[iafc.org/covid19](https://iafc.org/covid19)

## Coronavirus: Planning for Future Waves

- This fall – Watch the southern hemisphere
- Problem is mixing with influenza and winter diseases
- Our members are tired, and stressed
- The PPE situation needs to be addressed on this continent
- A second shutdown is possible
- When will the vaccine be ready and safe?



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Fire Chief John Sinclair

Chair COVID19 Task Force



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Ken LaSala

Director of Government Relations  
and Policy





# IAFC WEBINARS

iafc.org/covid19

## Legislation

- Call to Action:
  - \$5 billion for AFG and \$5 billion for SAFER
  - Waive requirements, including cost share, and allow fire departments to retain and re-hire firefighters
  - <https://www.iafc.org/topics-and-tools/legislative-issues/action-center>
- Short URL: [iafc.org/takeaction](https://www.iafc.org/takeaction)
- New Legislation to Clarify PSOB Eligibility for the Families of COVID-19 LODDs



# IAFC WEBINARS

iafc.org/covid19

## Grants

- COVID-19 AFG Grants – Application Period: April 28 – May 15
- FY 2019 SAFER Grants – Application Period: Open through May 15
- FY 2019 FP&S Grants - Application Period: April 27 – May 29
- HHS Payments: <https://www.iafc.org/blogs/blog/iafc/2020/04/29/cms-provides-covid-support-payments-to-ems-agencies>



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

Chief Steve Pegram, Goshen Ohio

Chair Economic Task Force



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Economic Task Force

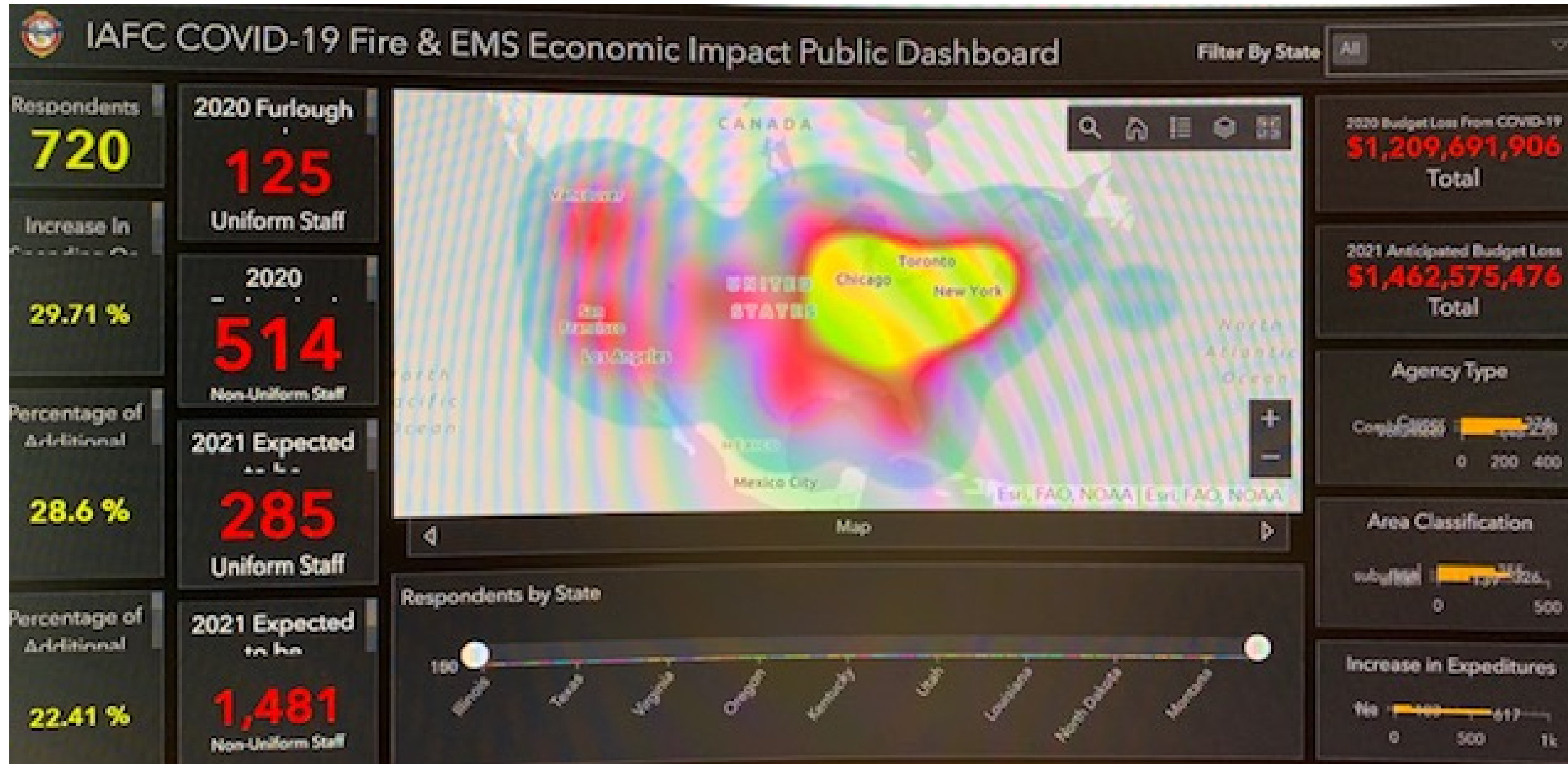
- Cost are up / Revenue is down
- Supporting the IAFC “Call to Arms”
- AFG and SAFER Request (5-Billion Each)
- Survey / Economic Impact Dashboard (2.5% of FD = 1.2 Billion lost revenue)



# IAFC WEBINARS

iafc.org/covid19

## Economic Task Force





# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Daniel DeGryse CFO, BA, CADDC

Ret. BC, Chicago Fire Department  
Director, Rosecrance Florian Program





# IAFC WEBINARS

[iafc.org/covid19](http://iafc.org/covid19)

## Health & Wellness

### Response to Crisis

- Automatic
  - Fight
  - Flight
  - Freeze
- Learned
  - Conditioned or linked responses
  - Pavlov's theories
    - Neutral stimulus (bell) becomes a conditioned stimulus
    - Fire service – intersections, smells, sounds (phone), addresses, sight (TV)



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Health & Wellness

### Physiology of the response

- Amygdala
- HPA axis
  - Hypothalamus
  - Pituitary
  - Adrenal glands
- Duration/Number of the response
  - Acute
  - Chronic



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Health & Wellness

### Signs & Symptoms

#### Physical or Physiology response

- Heart rate
- Uncomfortable/Uneasy
- Headache
- Fatigue

#### Psychological response

- Anger/Irritability
- Fear
- Hopelessness
- Guilt



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Health & Wellness

### Behavioral response

- Conflict
- Eating
- Sleeping
- Withdrawal/Isolation



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Health & Wellness

### Recovery

- Time
- Distance
- Shielding

### Self-care

- Rest
- Connection
- Family
- Release

\* Just like hydration, if you wait until you need it, it may be too late



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Health & Wellness

### Support

- Leadership work together
  - Chief
  - Officers
  - Senior FF
- Assume everyone has stress
- Easy on the emails
- Offer your time
- Attend roll calls
- Offer positive feedback



# IAFC WEBINARS

[iafc.org/covid19](https://iafc.org/covid19)

## Health & Wellness

Thank you for all that you do!!!

[ddegryse@rosecrance.org](mailto:ddegryse@rosecrance.org)



# IAFC WEBINARS



COVID-19 Weekly Updates

Email: [covid19tf@iafc.org](mailto:covid19tf@iafc.org)

[iafc.org/covid19](https://iafc.org/covid19)