



# COVID-19: Strategies for a Geospatial Response in the Americas

## UN GGIM Americas Webinar

Caio Victor  
Solution Engineer for the Americas  
cvictor@esri.com

Eric van Praag  
Senior Project Manager  
evanPraag@esri.com

Charles Brigham  
Account Manager  
cbrigham@esri.com

# GIS

## A Complete System for Understanding and Responding to Pandemics



*Integrating All the Data, Activities and Missions . . .  
... Empowering Collaborative Action*

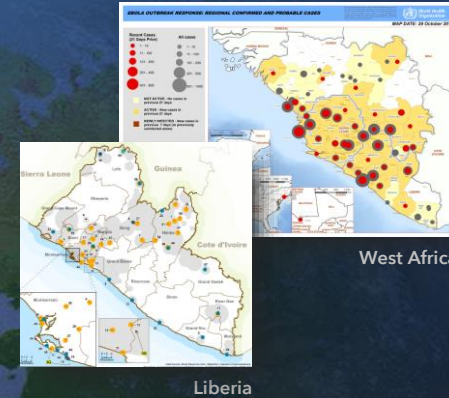


# Health, Demographics and Statistics

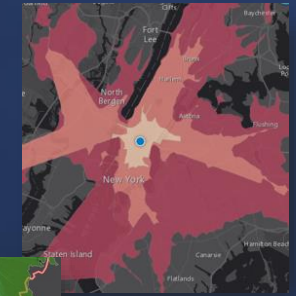
## Coronavirus



## Ebola Response



## Access to Care



## Health and Social Services Centers



## MobiGIS New York

## Access to Health Facilities



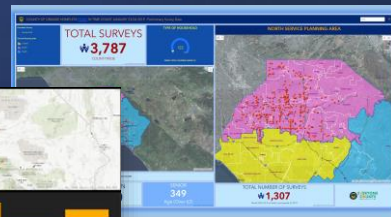
## Haiti UNICEF

## Homelessness Dashboard



## San Bernardino County California

## Homeless Point in Time Count

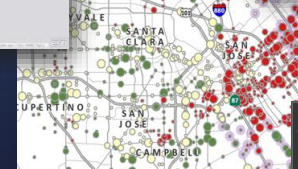


## Population Modeling



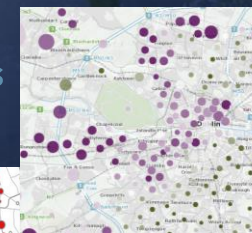
## Nic Jay Mapping Oakland

## FEMA



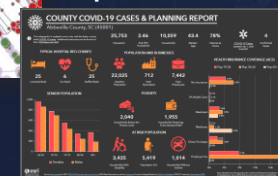
## Santa Clara

## Unemployment



## Ireland

## Population Profile

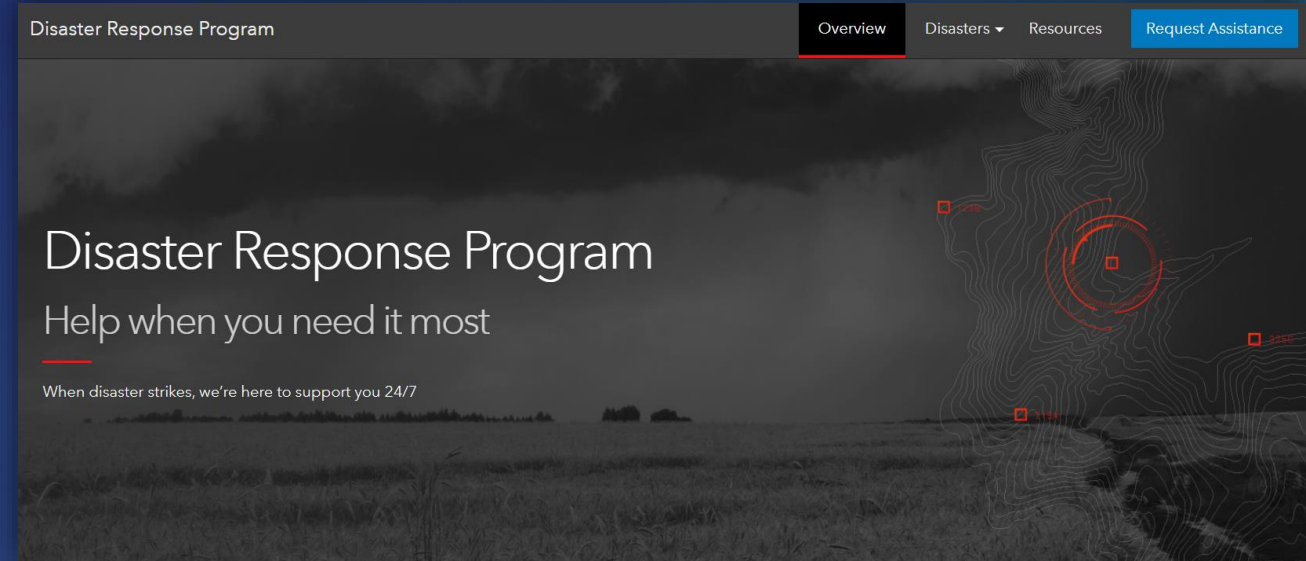


## South Carolina

# We can help when your capacity is exceeded

The DRP is available 24x7...

- ArcGIS Software
- Workflow Implementation
- Geospatial Data
- Technical Support



Request Assistance and Explore Resources:

[www.esri.com/disaster](http://www.esri.com/disaster)

Request Assistance via Email:

[disaster\\_help@esri.com](mailto:disaster_help@esri.com)

...to support your organization's **response** efforts



# An Integrated System for Managing COVID-19 Response

Understand  
community risk

Measure social  
distancing effectiveness

Manage resources  
and select sites

Communicate with  
the public

Model the spread and impact of disease

*Enables Better Understanding & More Informed Action . . .*

DEMO

# GIS Solutions for COVID-19 Response — Apps and Workflows





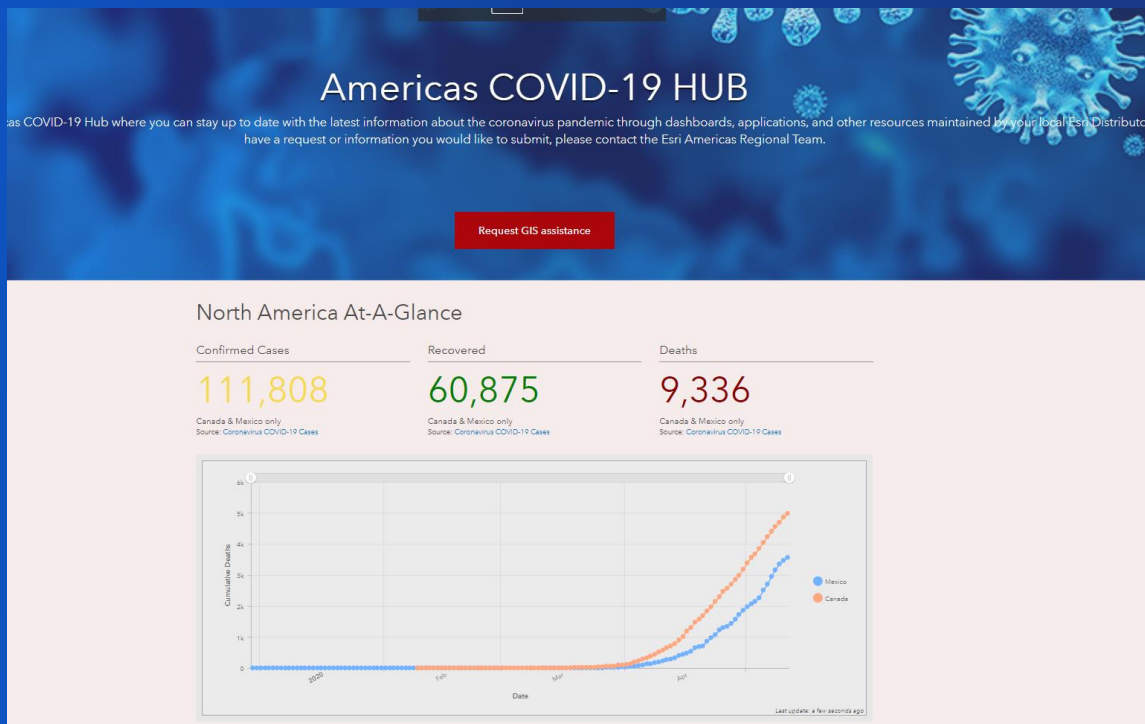
# GIS Solutions for Business Continuity — Apps and Workflows





# Esri COVID-19 Hub for the Americas

<https://americas-covid-19-hub-esridistributor.hub.arcgis.com/>



- Apps
- Data
- Resources
- Best Practices



# What is in the COVID-19 Response Package?

- Esri is providing a six-month complimentary package available:
  - ArcGIS Online Subscription
  - ArcGIS Hub Basic
  - ArcGIS Insights
  - 15 Creators with Insights Add-on
  - 1 ArcGIS Pro Advanced Online
- Free ArcGIS Solutions for Public Health Response & for Business Continuity
  - Includes ArcGIS Hub templates for both
  - ArcGIS Hub templates do NOT require Hub Premium.



# What type of apps are being developed?

- Dashboards
- Hubs
- Testing site locators
- PPE and inventory solutions
- Business continuity solutions
- Economic Vulnerability analysis
- Contact tracing
- ML and AI to monitor agglomerations
- CHIME and CDC Surge models to forecast hospital peak capacity



