



**BLOOMBERG
HARVARD**

| City
Leadership
Initiative



COVID-19

SITUATION REPORT

April 23, 2020 | Joshua Sharfstein, MD



World Map



NEW



U.S. Map



Critical Trends



COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins Univ...



Total Confirmed



842,624

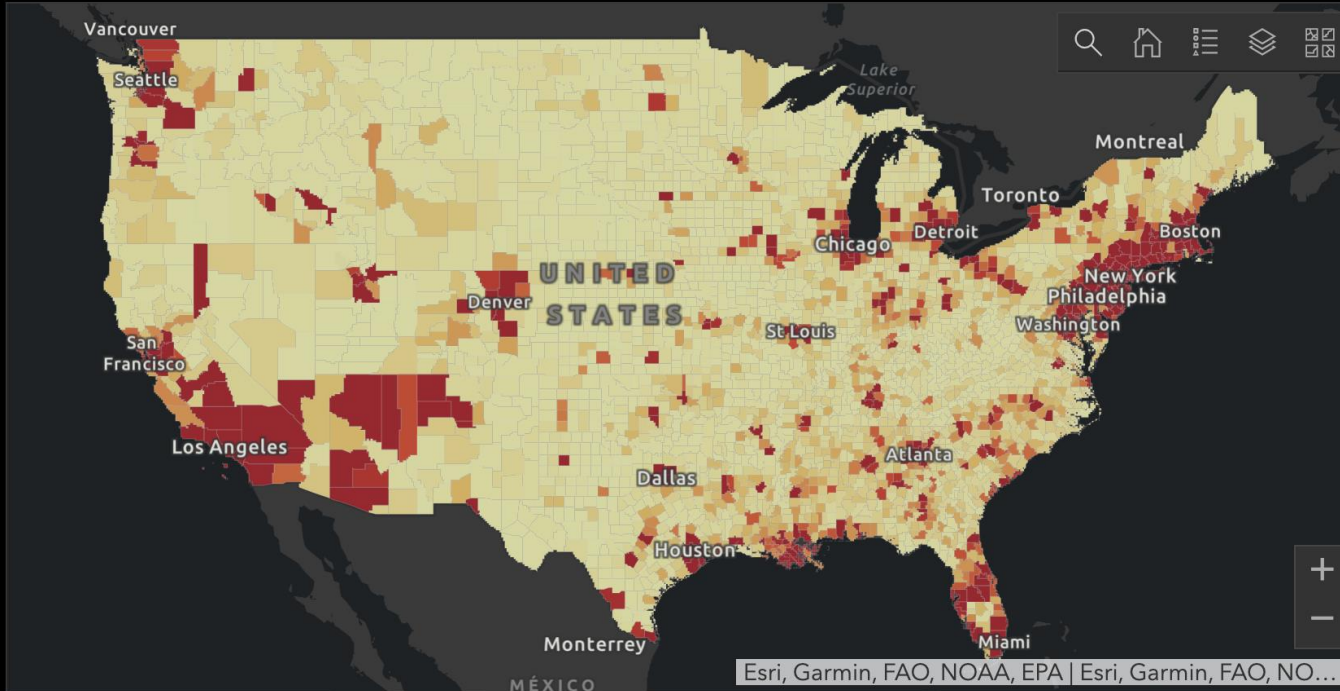
Confirmed Cases by Country/Region/Sovereignty

- 842,624 US
- 213,024 Spain
- 187,327 Italy
- 157,135 France
- 150,729 Germany
- 134,639 United Kingdom
- 98,674 Turkey
- 87,026 Iran

Admin0

Last Updated at (M/D/YYYY)

4/23/2020, 7:31:23 AM



Confirmed by Population | Confirmed | Deaths | Fatality Rate

185 countries/regions

Lancet Inf Dis Article: [Here](#). Mobile Version: [Here](#). Lead by JHU CSSE. Automation Support: [Esri Living Atlas team](#) and [JHU APL Contact US](#). [FAQ](#)

Total Deaths

46,785

15,074 deaths
New York City **New York** US

1,431 deaths
Nassau **New York** US

1,319 deaths
Wayne **Michigan** US

1,072 deaths
Cook **Illinois** US

Deaths

Total Test Conducted in U.S.

4,482,434

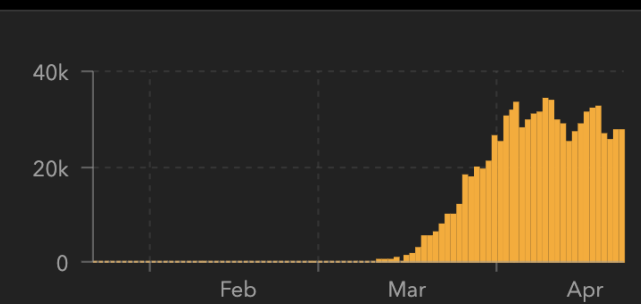
669,982 tested
New York US

465,327 tested
California US

288,627 tested
Florida US

216,783 tested
Texas US

191,659 tested
US Tested



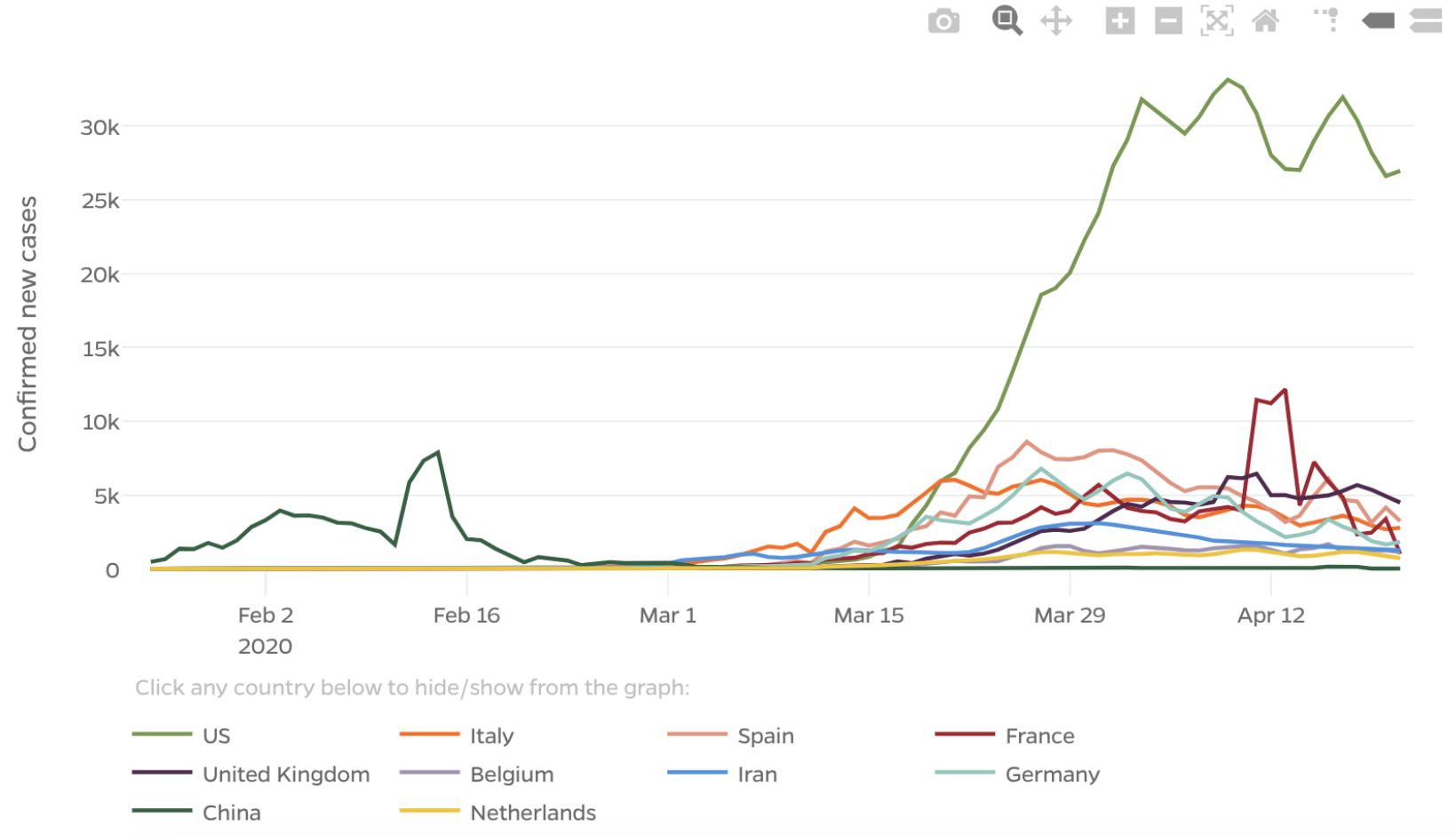
Confirmed | Logarithmic | Daily Cases



U.S. Leads World as New Infections Plateau

Daily confirmed new cases (5-day moving average)

Outbreak evolution for the current 10 most affected countries



What's New This Week



Too Soon?

Some governors move to open businesses before criteria are met for declining cases and prepared healthcare systems.

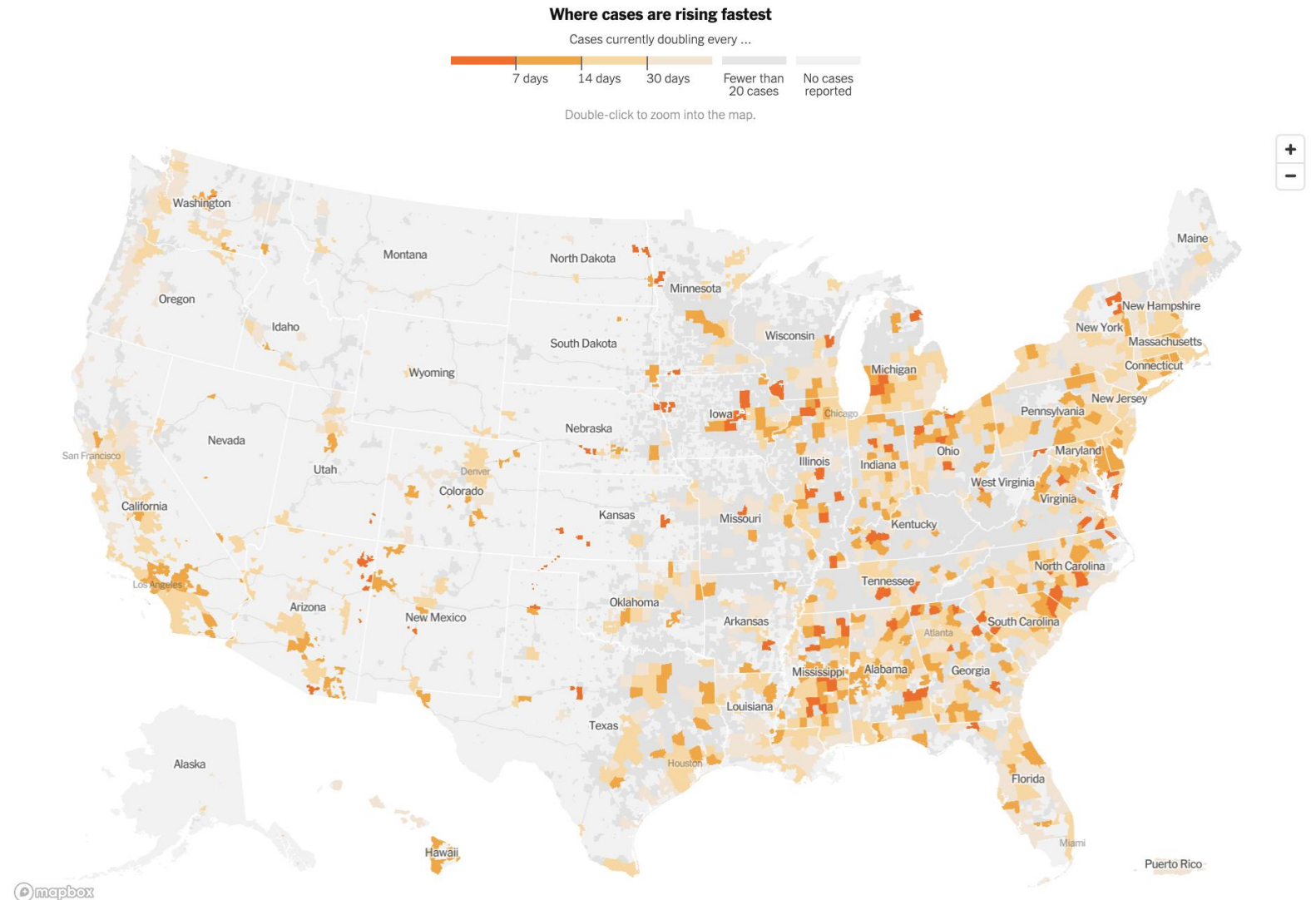


For Mayors

Given potential for exponential spread again, go slow. As opening happens, watch multiple signals. A warning from Singapore.



Where Infections are Rising the Fastest



What's New This Week



Surveys Suggest Scale of Infection

Los Angeles and Santa Clara County find about 4% and 1.5% exposed to the novel coronavirus.



For Mayors

Studies suggest number infected much higher than number tested. However, much lower than what is necessary for population immunity.





COVID-19

PROTECTING HIGH-RISK SENIOR COMMUNITIES

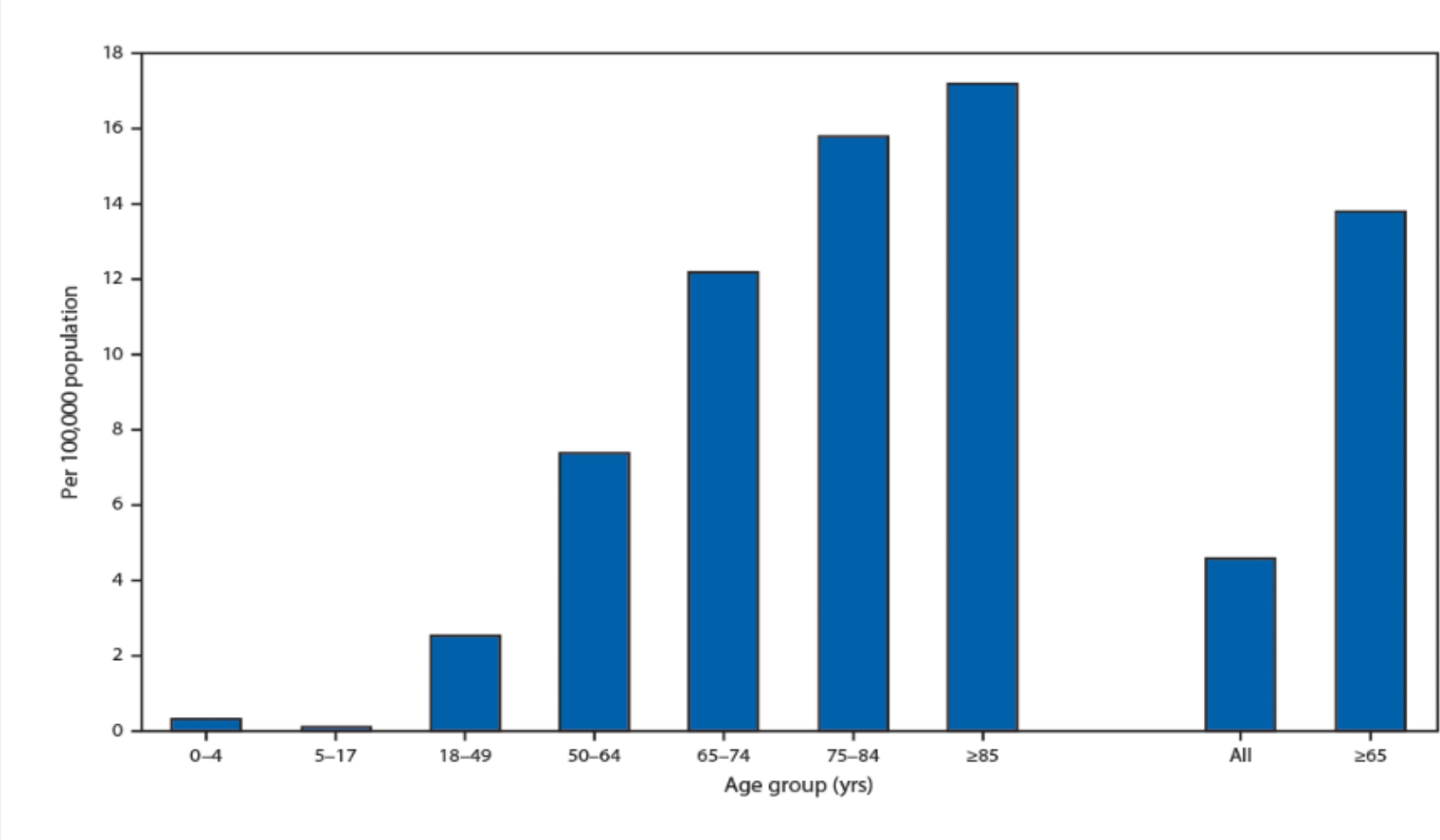
April 23, 2020 | Jennifer B. Nuzzo, DrPH, SM

Older Adults at Risk for Severe Outcomes

FIGURE 1.

Laboratory-confirmed coronavirus disease 2019 (COVID-19)-associated hospitalization rates, by age group—COVID-NET, 14 states

MARCH 1-28, 2020



Spotlight on Communities at Risk



Nursing Homes & Assisted Living

Facilities that provide clinical or life care (e.g. assistance with showering, dressing, meals)



Senior Housing (Independent Living)

Multi-family housing or communities primarily occupied by seniors (60+)





Nursing Homes & Assisted Living

4,900+
NURSING HOMES

have had COVID-19 outbreaks

55,000+
CASES

among residents and staff;
10,300+ deaths

HIGH OUTBREAK RISKS IN NURSING HOMES AND ASSISTED LIVING FACILITIES

Health conditions of residents	Lots of people under one roof	Close contact between staff and residents
Poor infection control practices	High turnover of staff	Staff may not have paid sick leave



What Mayors Can Do to Help



1

Establish a Team to Support Facilities

Nursing homes and assisted living facilities need help in protecting their residents from COVID-19.

GOAL

- Help facilities implement recommended guidelines
- Identify and solve resource needs and other challenges before they become a problem

ACTION

Establish a local response team to support the needs of nursing homes





What Mayors Can Do to Help

1

Establish a Team to Support Facilities

Nursing homes and assisted living facilities need help in protecting their residents from COVID-19.

GOAL

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ACTION

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2

Improve Situational Awareness

Nursing homes and assisted living facilities should be kept up-to-date about changing guidelines and provided opportunities to discuss their needs.

GOAL

Establish two-way communications to keep facilities informed and to identify problems before they occur

ACTION

Convene regular conference calls between facilities and response team



What Mayors Can Do to Help



3

Support Adequate Staffing Levels

COVID-19 can exacerbate staffing shortages. This can worsen residents' health and creates additional risks for outbreaks.

GOAL

- Response team can identify facilities that are experiencing staffing challenges
- Identify alternative staffing resources, such as medical volunteers

ACTION

Mobilize volunteers to help address staff shortages at facilities



What Mayors Can Do to Help



3

Support Adequate Staffing Levels

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GOAL

- Response team can identify facilities that are experiencing staffing challenges
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ACTION

Mobilize volunteers to help address staff shortages at facilities

4

Ensure Access to Testing and Supplies

Access to testing and medical supplies, such as gloves and masks, is essential to prevent outbreaks and to contain them quickly before they spread throughout the facility.

GOAL

- Prevent shortages in medical supplies at facilities
- Ensure facilities have priority access to testing to prevent outbreaks

ACTION

Advocate for facilities to receive priority access to testing and medical supplies





COVID-19 Senior Housing

24%

AMERICANS
OLDER THAN 65

live in multi-family housing

17%

AMERICANS
OLDER THAN 80

live in large, multifamily
buildings (50+ units)

RISK OF DISEASE SPREAD IN SENIOR HOUSING

Advance age of residents	High numbers of people per building	Many residents may live alone
Group activities and gathering spaces		Lots of visitors



What Mayors Can Do to Help



1

Educate and Inform About Risks

Severe disease and hospitalization highest for adults over the age of 60, but many may not identify as “at-risk” or know how to protect themselves.

GOAL

- Educate and communicate about risks to residents
- Provide specific guidance for how residents can protect themselves against infection

ACTION

Create an interagency team to help senior housing communities protect and support residents



What Mayors Can Do to Help



1

Educate and Inform About Risks

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GOAL

- Educate and communicate about risks to residents
- Provide specific guidance for how residents can protect themselves against infection

ACTION

Create an interagency team to help senior housing communities protect and support residents

2

Coordinate Services to Support Response

Senior housing communities need assistance to prevent outbreaks and to support the ability of senior residents to isolate and quarantine.

GOAL

Support the ability of senior residents to isolate and quarantine through delivery of social services such as delivery of food and medicines

ACTION

Create an interagency team to help senior housing communities protect and support residents



What Mayors Can Do to Help



3

Mobilize Volunteers to Help

Efforts to protect seniors from COVID-19 may increase their loneliness and adversely affect mental health.

GOAL

Enable seniors to remain connected and engaged despite social distancing

ACTION

Inspire and promote voluntary efforts to support seniors

EXAMPLE

Baltimore Neighbors Network, which enlists volunteers to call and check on homebound elderly



APRIL 23, 2020

QUESTIONS?

Joshua Sharfstein, MD

Jennifer B. Nuzzo, DrPH, SM



JOHNS HOPKINS
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of PUBLIC HEALTH



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