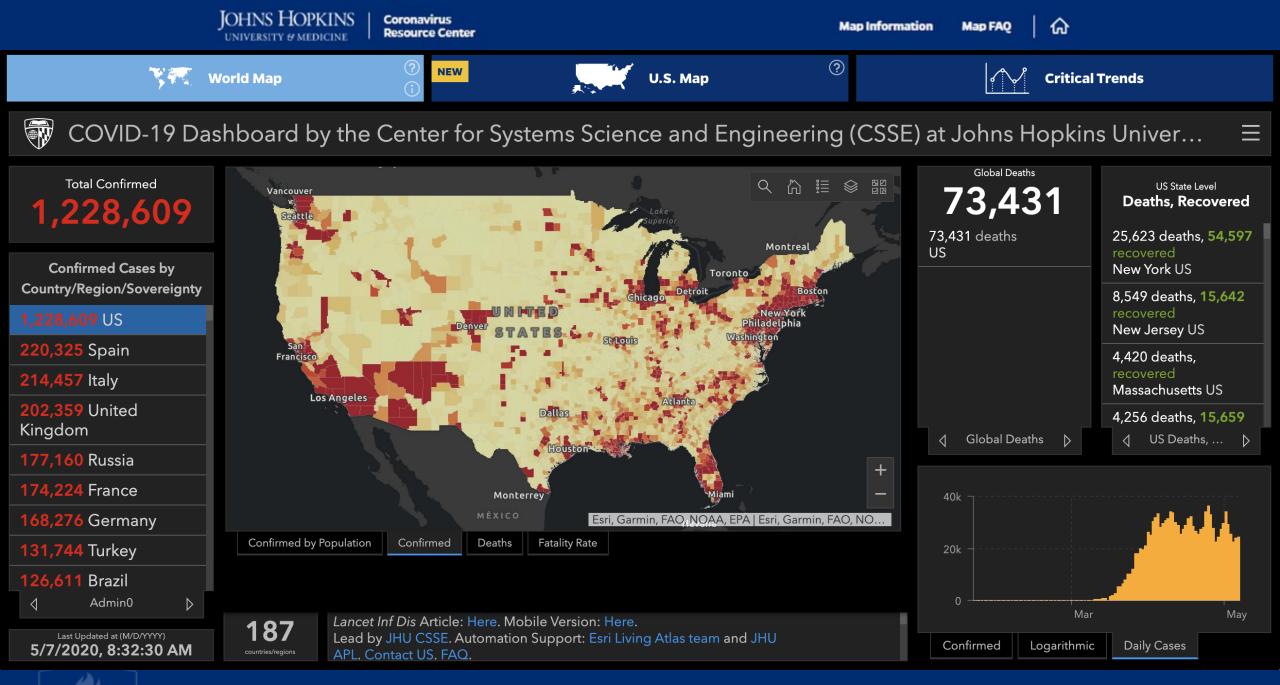
### BLOOMBERG HARVARD

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## **COVID-19** SITUATION REPORT

MAY 7, 2020 | JOSHUA SHARFSTEIN, MD

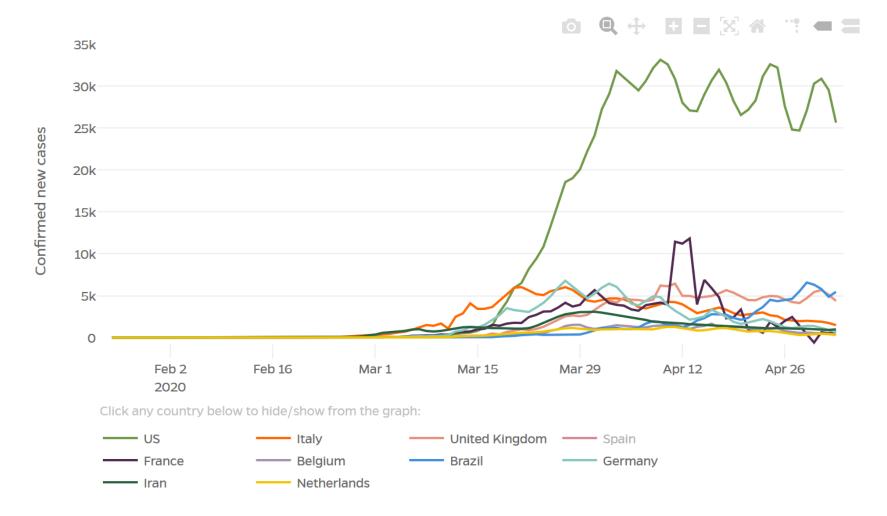


#### HTTP://CORONAVIRUS.JHU.EDU

#### Daily confirmed new cases (5-day moving average)

**Outbreak evolution for the current 10 most affected countries** 

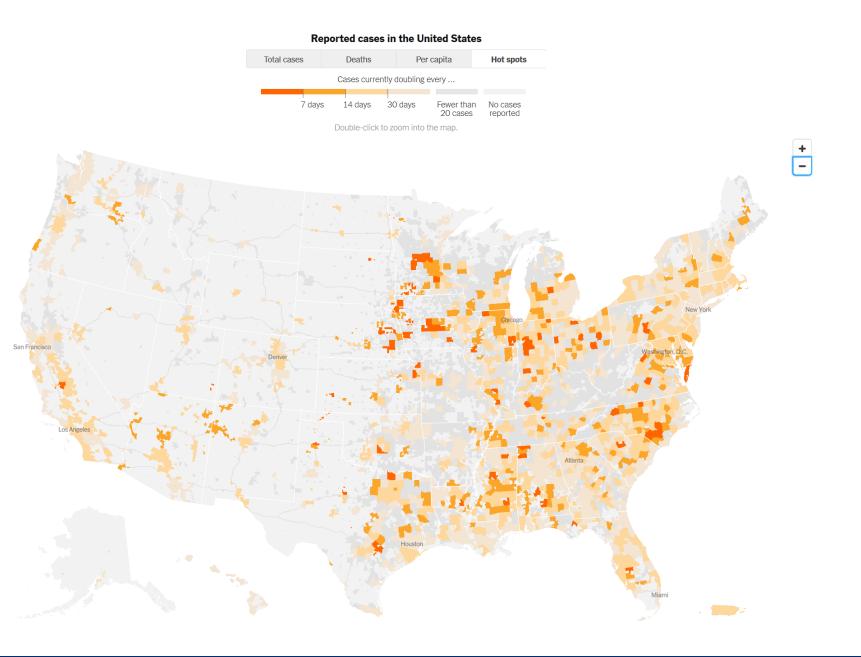
### U.S. Deaths Climb Toward 75,000



\*

Source: CSSE COVID Dashboard, Johns Hopkins

Many re-opening areas have rising cases





Source: nytimes.com

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### What's New This Week



### What's Next for U.S.?

Models show a large range of projections for cases and deaths, because of uncertainty resulting from premature re-opening and relaxation of social distancing.



### **For Mayors**

Back to the basics. Social distancing worked to avert calamity. Inspire people to take actions to protect themselves and others.



### What's New This Week



### Contact Tracing Revs Up

New York prepares to hire as many as 17,000 contract tracers.



### **For Mayors**

Get a head start: Everyone who tests positive needs to isolate and advise household and other close contacts to quarantine.





# COVID-19

Criteria and Metrics for Reopening and Staying Open

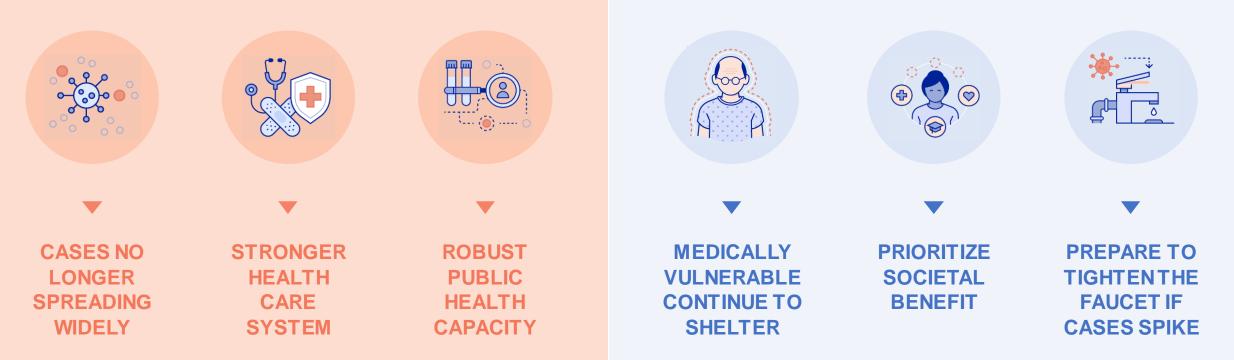
MAY 7, 2020 | JENNIFER B. NUZZO, DRPH, SM

### Pressure is Mounting to Reopen, But Have to Follow the Data

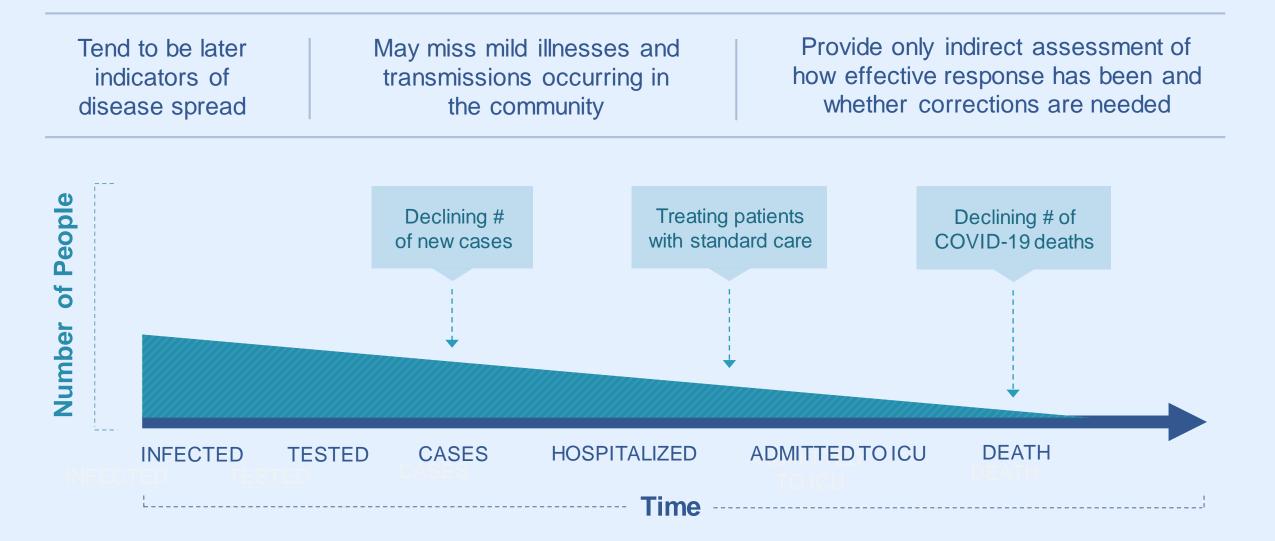
#### WHEN Is It Safe To Come Out Again?

#### HOW

#### Do We Lift Physical Distancing Restrictions?

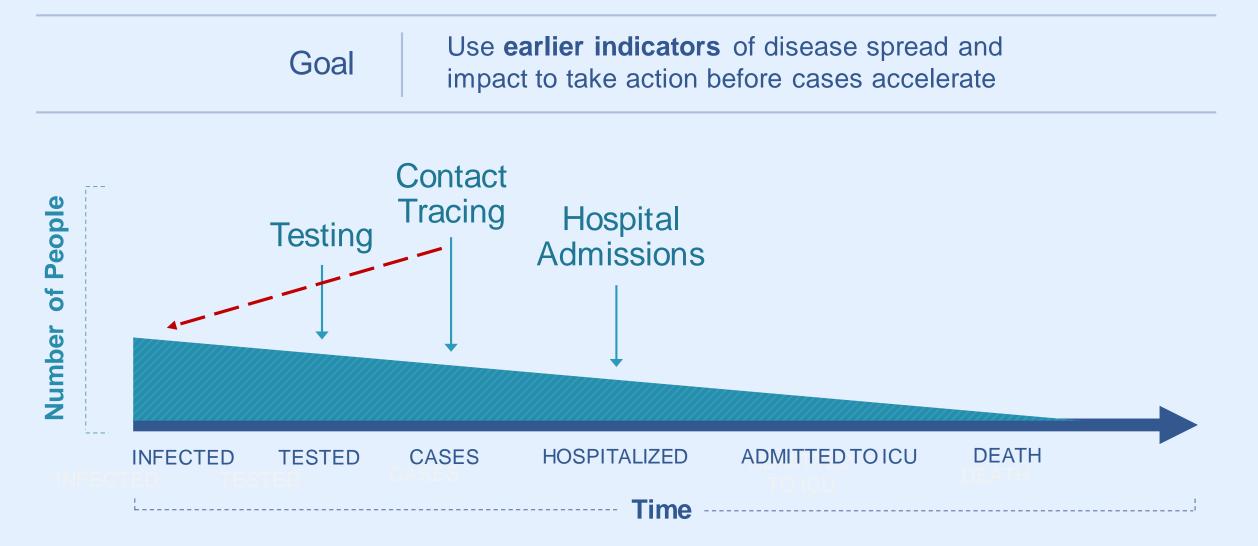


### REOPENING METRICS ARE NOT ENOUGH





#### TO STAY OPEN THERE NEEDS TO BE AN EARLY WARNING SYSTEM





### 1. Testing and Cases

#### WHY

- Tests indicate who is infected, even if they don't have symptoms.
- Unlike cases or deaths, testing is an *early* indicator of case growth, hospitalizations, deaths.

#### TESTING IS ADEQUATE IF

- Majority of tests have results in less 1-2 days
- · Access to testing is well-distributed
- Testing capacity is suitable to cover priority groups (frontline and most vulnerable)
- Percentage positive does not exceed 12%

#### **Metric Example:**

TESTED CASE

**INFECTED** 

Percentage of tests that are positive is stable or declining

HOSPITALIZED

ADMITTED

TO ICU

DEATH



### 2. Contact Tracing

#### WHY

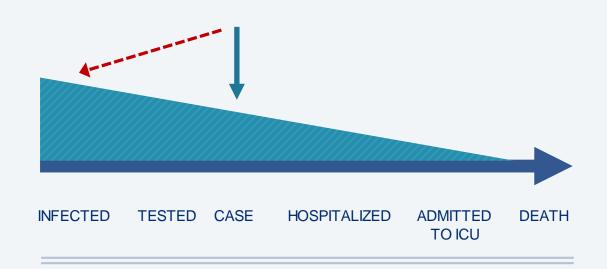
Contact tracing helps identify those exposed to cases so they can be quarantined before they infect others.

#### REQUIREMENTS

Requires contact tracing program is in place that is capable of rapid identification of cases and their contacts following exposure.

#### Should include:

- Symptom tracking and testing of people under quarantine
- Social support for isolation and quarantine orders



#### **Metric Example:**

Increasing percentage of new cases already under quarantine when identified:

- Percentage of cases where contacts have been found
- Percentage of contacts with symptoms
  tested within 24 hours



### 3. Hospital Admissions

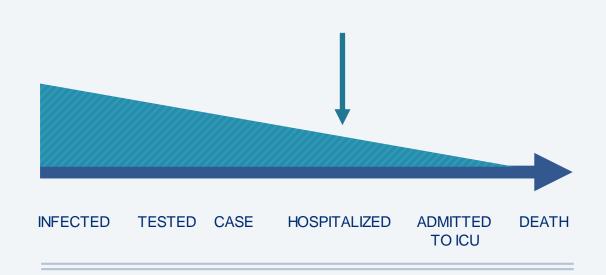
#### WHY

Hospital admissions is a mid-range indicator of declining hospital capacity and potentially accelerating case growth.

#### REQUIREMENTS

Maintaining hospital capacity is necessary to reduce deaths and prevent disease amplifications.

- Hospitalizations not going to exceed available beds
- Health care worker absenteeism is manageable
- Supplies of personal protective equipment, ventilators, and essential medical supplies



#### **Metric Example:**

Stable or declining number of people hospitalized for COVID-19\*

\*May need to adjust to accommodate flu season or other surges



### **Future Support** to Help Cities Make Metrics-Driven COVID-19 Response Decisions

These example metrics for staying open or tightening back up are one important part of a **broader framework that cities should use to support their COVID-19 decision-making**, advocacy and communication. With support from Bloomberg Philanthropies, we are working with national experts to:



Refine a comprehensive framework with suggested metrics that you can use for a wide range of response and recovery decisions.



Support cities directly to help you use the framework to guide the actions you are taking over the next weeks and months.



MAY 7, 2020

# QUESTIONS?

Joshua Sharfstein, MD Jennifer B. Nuzzo, DrPH, SM



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