



**BLOOMBERG
HARVARD**

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COVID-19

SITUATION REPORT

May 14, 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 Univer...



Total Confirmed

1,390,764

Confirmed Cases by Country/Region/Sovereignty

1,390,764 US

252,245 Russia

230,985 United Kingdom

228,691 Spain

222,104 Italy

190,137 Brazil

178,184 France

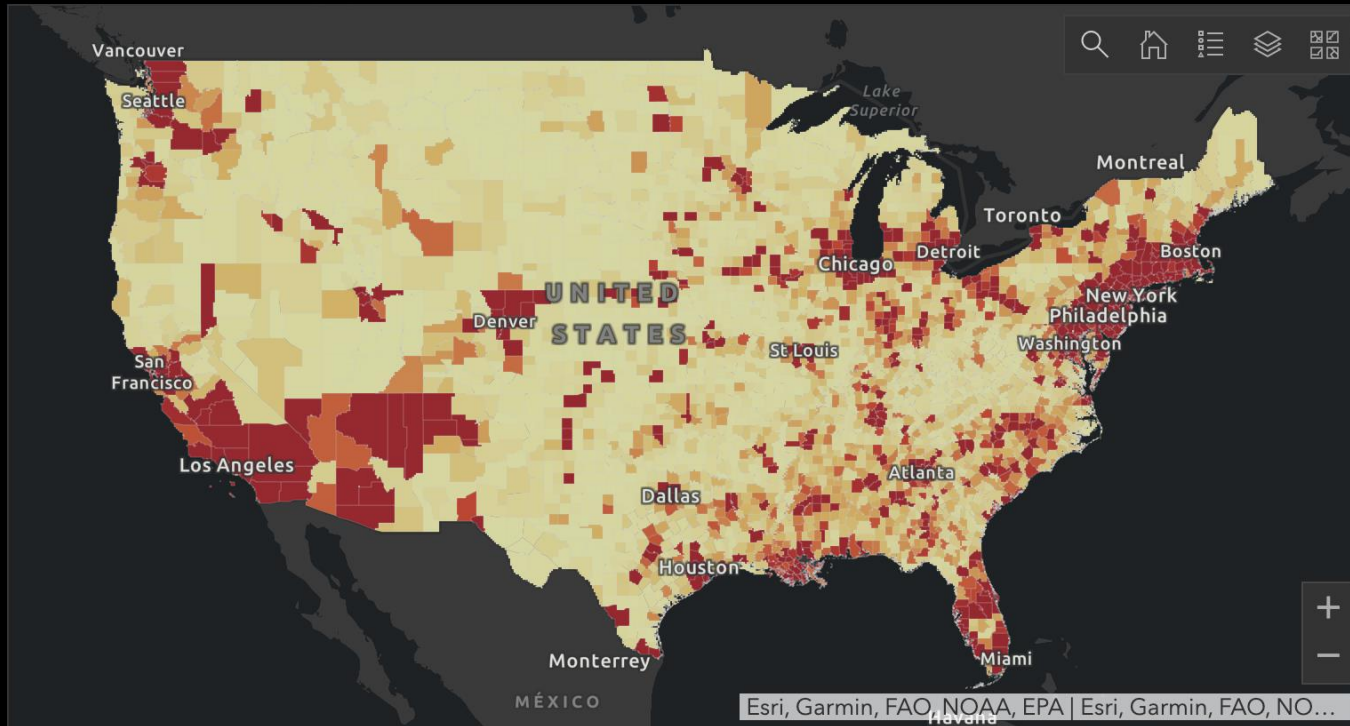
174,098 Germany

143,114 Turkey

Admin0

Last Updated at (M/D/YYYY)

5/14/2020, 7:32:26 AM



Confirmed by Population | Confirmed | Deaths | Fatality Rate

188

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](#).

Global Deaths

84,136

84,136 deaths US

US State Level Deaths, Recovered

27,477 deaths, **59,193** recovered
New York US

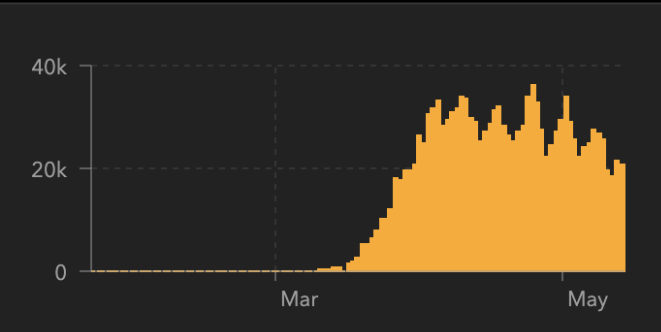
9,714 deaths, **15,642** recovered
New Jersey US

5,315 deaths, **recovered**
Massachusetts US

4,714 deaths, **22,686**

Global Deaths

US Deaths, ...

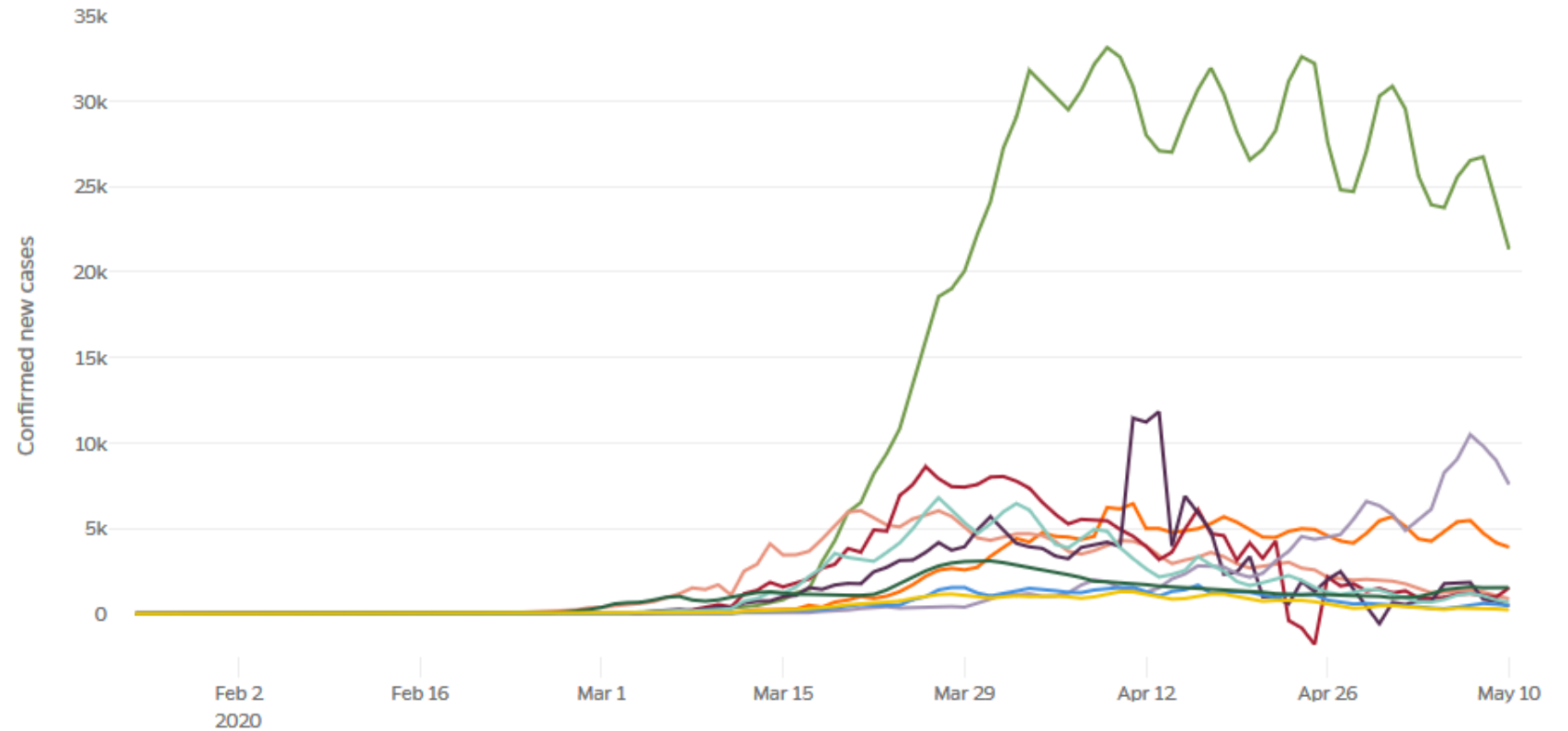


Confirmed | Logarithmic | Daily Cases

**U.S.
Deaths
Pass
85,000**

Daily confirmed new cases (5-day moving average)

Outbreak evolution for the current 10 most affected countries



Click any country below to hide/show from the graph:

- US
- United Kingdom
- Italy
- Spain
- France
- Brazil
- Belgium
- Germany
- Iran
- Netherlands

What's New This Week



Children & Coronavirus

Reports suggest a serious inflammatory condition may be a rare consequence of COVID-19 infection.



For Mayors

As more data is gathered, the grim news is another reminder that this is not an ordinary respiratory virus. We are working to minimize risks because the risks are serious.



What's New This Week



A Free Course

With support of Bloomberg Philanthropies, Johns Hopkins released free online course on contact tracing. 10,000 people signed up the first day.

coursera.org/learn/covid-19-contact-tracing

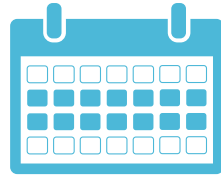


For Mayors

Contact tracing is an activity led by people to protect the health of their own communities.



What's New This Week



More on Immunity

Chinese study finds essentially everyone with COVID-19 infection makes antibodies within 2 weeks.



For Mayors

Another piece of the puzzle suggesting that effective antibody treatments and vaccines are possible.





COVID-19

REOPENING: NEXT MOVES

MAY 14, 2020 | CAITLIN RIVERS, PHD

Principles of How to Reopen



Engage

Engage the community throughout the process



Decide

In deciding what to reopen, conduct public health risk assessments



Start Slow

Start slow with low-risk activities to mitigate risk, proceed from there



Opportunities to Engage the Community



Decisions

Decisions
around how
and when to
reopen



Actions

Actions individuals
and businesses can
take to prevent
transmission



Expectations

What to expect
in coming
weeks, months,
years



Public Health Risk Assessments



Goal

To assess the risk of increased transmission in each sector to prioritize reopening

Risk

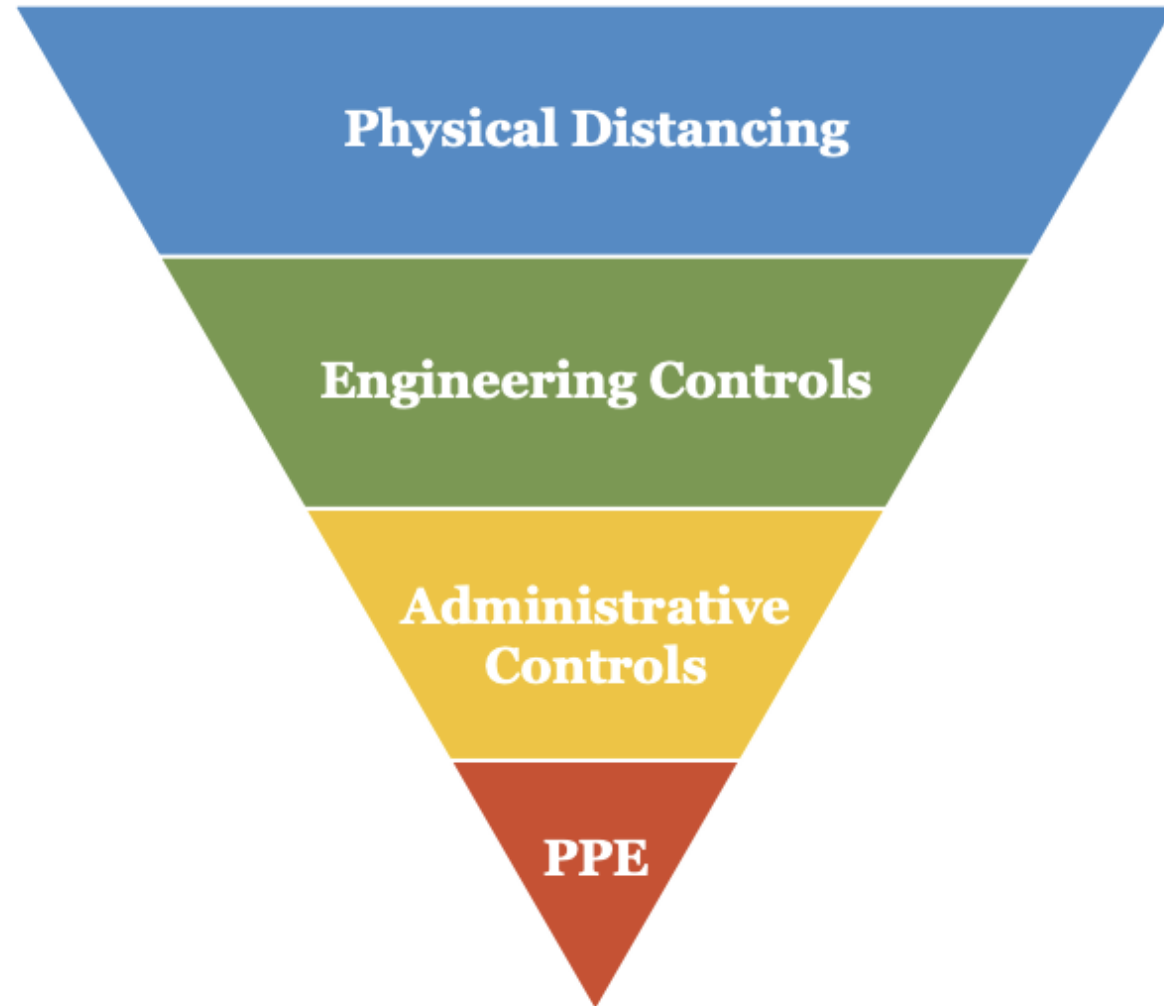
Factors influencing risk:
Contact intensity,
number of contacts,
mitigation measures





MITIGATION:

How To Make Businesses Safer





Example Risk Assessments

CATEGORY	CONTACT INTENSITY	NUMBER OF CONTACTS	MODIFICATION POTENTIAL	MITIGATION RESOURCES
Restaurants	Medium	Medium	Medium	<u>National Restaurant Association, FDA</u>
Bars	High	High	Medium	<u>FDA</u>
Salon, spas, and other personal care industries	Medium / High	Low	Medium	<u>TN Cosmetology & Barber Guidelines</u>
Retailers	Low	Medium	Medium	<u>NY state guidance, OSHA</u>
Shopping malls	Low	Medium	Medium	<u>NY state guidance, OSHA</u>
Gyms / fitness studios	Medium	Medium	Medium	<u>CDC Small Business guidance</u>



The full *Guidance for Governors* report is available at [this link](#).

Mitigation Example



Mitigation	Possible measures/considerations (check all that could be applied to your business or add your own)	How will you integrate these interventions? Design your mitigation strategy
<p>Limit the number of interactions between employees, customers, clients.</p>	<ul style="list-style-type: none">• Switch transactions to online-only.• Accept card transactions and go, cashless.• Limit the number of employees who handle transfer of objects (food, goods, products) to customers.• Alter procedures (e.g., drive-through and pick-up bay options, items packed by customers in store).	



Mitigation Example



Mitigation	Possible measures/considerations (check all that could be applied to your business or add your own)	How will you integrate these interventions? Design your mitigation strategy
Reduce number of objects moving between employees and customers.	<ul style="list-style-type: none">• Move part or all of your business online.• Enable employees to work from home, where possible.• Establish virtual service options.• Restrict number of customers/ clients allowed into the facilities.• Alternate employee shifts so that the same group of people are exposed only to each other.• Establish rotations between work from home and onsite shifts.• Provide longer shifts to reduce the number of employee changes.• Change operating hours.• Provide services through online or phone reservations to control number of in-person interactions at one time.• Change arrival and processing procedures for visitors, contractors, clients, and customers to reduce the number of external personnel allowed in the facility at one time.	



Other Factors to Consider



Risks

Risks to employees will likely be greater than risks to customers



Mitigation

The degree to which mitigation is possible will vary by setting (e.g. young children)



Economy

Economic activity is interconnected – resuming activities will be a process



MAY 14, 2020

QUESTIONS?

Joshua Sharfstein, MD

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BLOOMBERG SCHOOL
of PUBLIC HEALTH



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