

COVID-19: Current Status and Future Outlook

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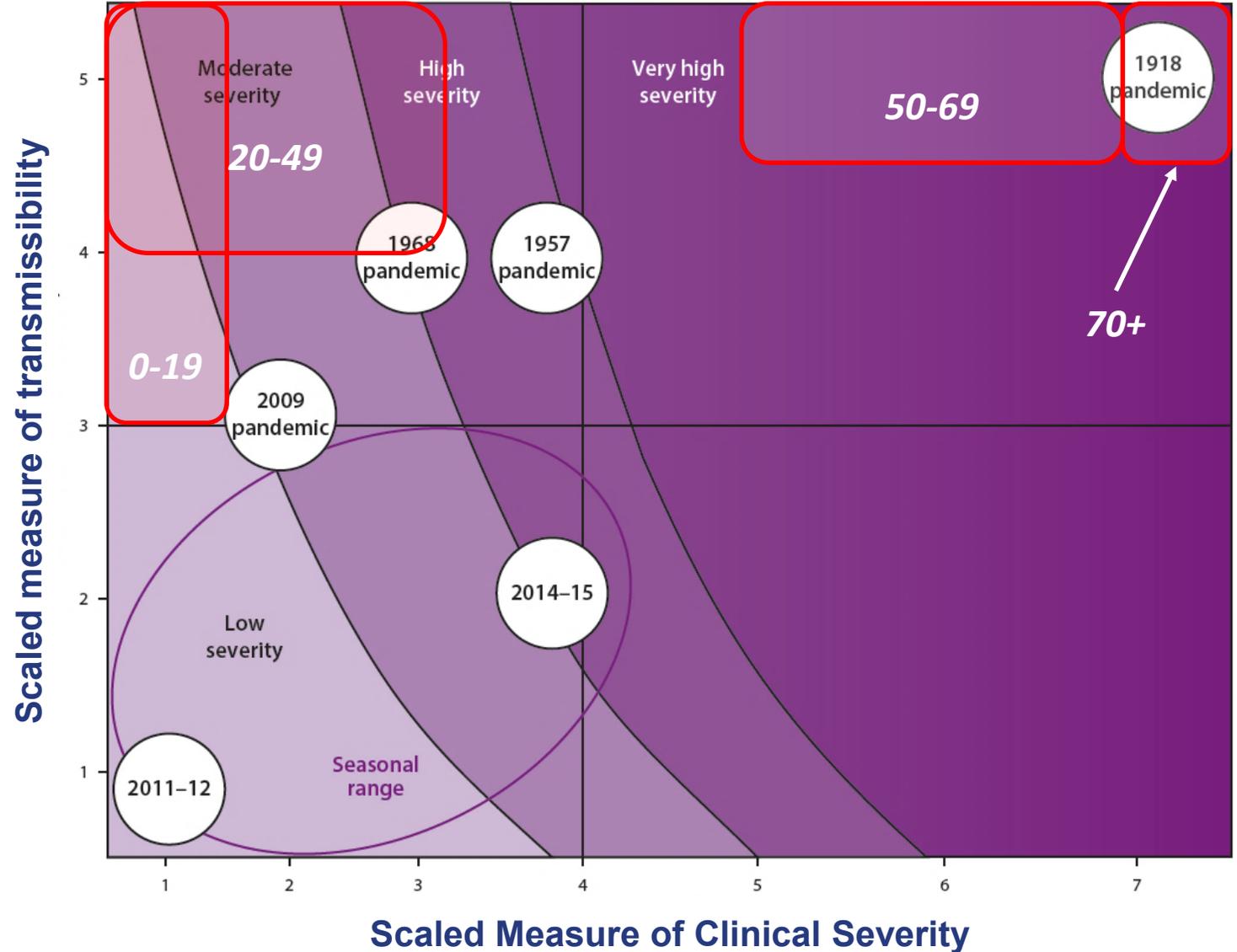
President and Chief Executive Officer



COVID-19 is more severe for older people

Best estimate of severity of COVID-19, based on what is known about spread and severity compared to historic seasonal and pandemic influenza

Global COVID-19 Pandemic Severity Assessment Framework by age

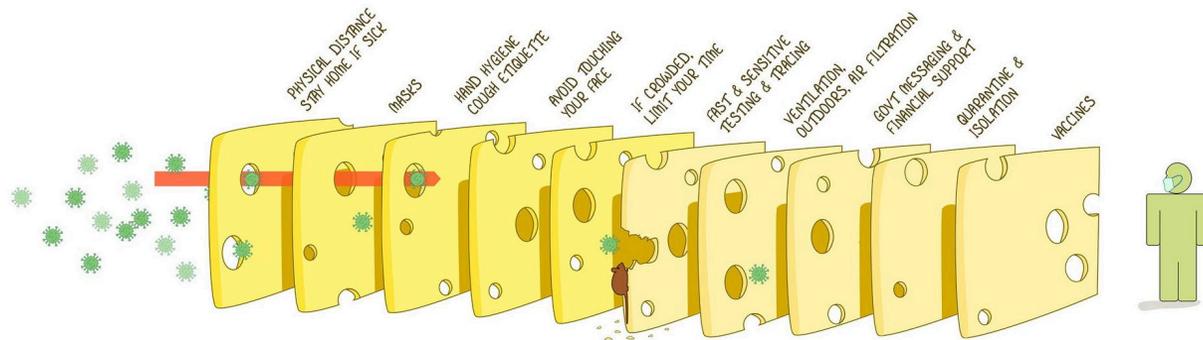


How We Will Stop COVID-19

Prevent spread

- Interventions to keep people from becoming infected

THE SWISS CHEESE RESPIRATORY VIRUS PANDEMIC DEFENCE
RECOGNISING THAT NO SINGLE INTERVENTION IS PERFECT AT PREVENTING SPREAD



EACH INTERVENTION (LAYER) HAS IMPERFECTIONS (HOLES).
MULTIPLE LAYERS IMPROVE SUCCESS.

Box-It-In

- Stop cases from becoming clusters and clusters from becoming outbreaks

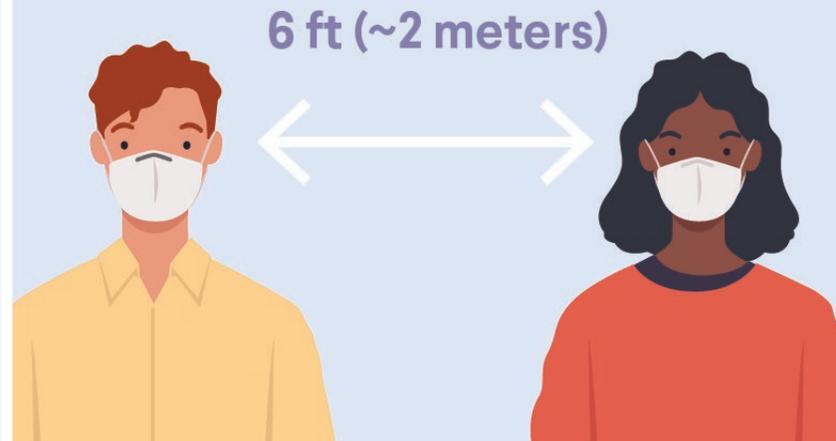


3 W's to reduce risk of COVID-19

Wear a mask



Watch your distance



Wash your hands



DETERMINING WHAT IS SAFE: ASSESSING RISK

Risk of infection =

- x prevalence in community
- x proportion without masks
- x ventilation (outdoors best)
- x number of people exposed to
- x duration and intensity of exposure

Outdoors in low-prevalence community =

Almost no risk

Indoors, for a long time, with lots of people shouting or singing, in a high-prevalence community, without masks =

Highest risk

1



TEST STRATEGICALLY

Create places for **community testing**

Publicly track time from symptoms to test result

4



QUARANTINE ALL CONTACTS

Create **incentives** to manage isolation and quarantine: provide care packages, remote resources, and financial support to those quarantined

2



ISOLATE ALL INFECTED PEOPLE

Ensure **safe housing**, working with businesses and community organizations to open hotels, dorms

Engage with disenfranchised populations by with community organizations and leaders

3



FIND EVERYONE WHO HAS BEEN IN CONTACT WITH INFECTED PATIENTS

Help public health experts recruit a **corps of tracers** from throughout community from social service workers to new college grads

Publicly track percent of cases arising from quarantined contacts





Testing Is Particularly Important for These People

- Have symptoms of COVID-19
- Asked or referred to get tested by their health care provider, or by their state or local health department as a result of contact tracing or outbreak investigation
- In close contact (within 6 feet for a total of 15 minutes or more) with someone who has COVID-19
- Work or live in congregate settings: skilled nursing and residential care facilities, group homes, correctional facilities, homeless shelters
- Essential workers with frequent public contacts in these areas: health care, education, emergency, food & grocery services, public safety, transportation and more
- Those exposed to people who were sick, were around many people not wearing face coverings, and/or were not keeping safe distance in the past 2 weeks
- Experiencing homelessness

RESOURCES FOR ISOLATED CASES AND QUARANTINED CONTACTS

Need incentives to manage isolation and quarantine with strong wraparound services

EXAMPLES AND IDEAS



Care packages could include

- Masks
- Thermometers
- Food, laundry, pharmacy services
- Health education materials
- Passwords for on-demand movies, e-books, learning channels
- Access to high-speed internet & laptops
- Hand sanitizer & alcohol-based cleansers
- Encouraging notes from government leaders



Core resources such as

- Daily check-in phone calls
- Instructions of how to keep space clean for those sharing space
- A hotline for counseling, information, social services, and medical support
- Garbage removal
- Access to telehealth and care if ill
- Relocation to safe and desirable place, if requested



Financial support could include

- Stipend from government to those without sick leave or who need to take care of child or elderly dependents
- Work with employers to provide support, with possible tax credits

Vaccines: Safe, Effective Way to Protect our Family and Community – But Rollout Will Take Months

- Vaccines hold the prospect of an eventual end to the pandemic
- Vaccine rollout has been slow – complicated, confusing, potentially controversial
- Demand for the vaccine will outstrip supply for many months
- Need to ensure we address inequities – health & economic – in vaccine program
- This is the most complicated vaccination program in US history

Four things we don't yet know

- How long will immunity last? Need multi-year studies.
- How rare are serious adverse effects? So far very few.
- Can we manufacture and distribute enough vaccine quickly?
- Will people trust the vaccine? Increasing vaccine hesitancy and partisan politicization.



Vaccine Equity

- **Lower-income communities of color have been hardest hit by COVID-19 – yet lag badly on vaccine access**
 - **Black people in the U.S. have 2-3x the risk of death from Covid but are half as likely to have received a vaccine**
- **Need for more strategic vaccine delivery to highest-risk people**
- **Community leaders and community networks will be important to increasing vaccine access**
 - **Strengthen education and communication about vaccines**
 - **Improve registration process – many lack broadband internet access**
 - **Advocacy for services and care – and longer-term changes to health and social services**
- **Support for communities, families, workers, contacts, and patients**

Persistent Inequality in Health Outcomes

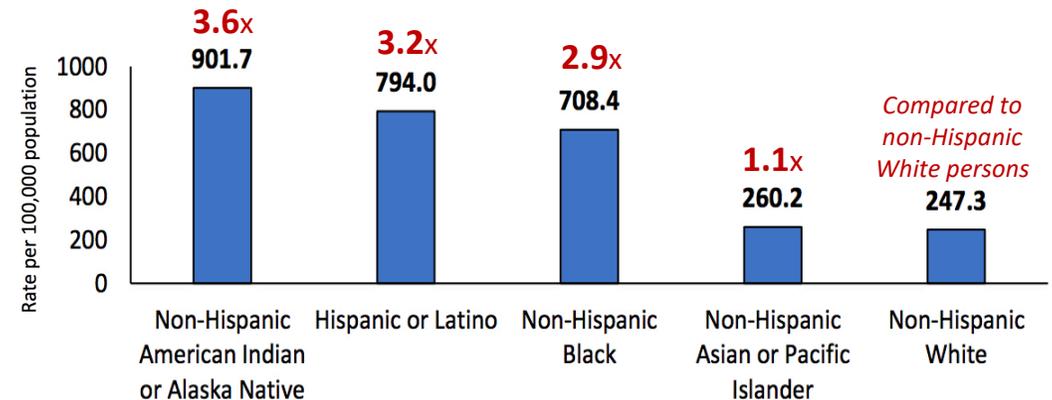
- Racial disparities in health and health care in the US are stark, persistent, and unacceptable
- Health disparities are a symptom of broader structural, systemic social and economic inequities
- More exposure, more underlying disease, less access to care
- Disproportionate burden requires disproportionate response

Native, Black & Hispanic/Latinx people have 3-4x the COVID-19 hospitalization rates of Whites

COVID-NET:

Age-adjusted COVID-19-associated hospitalization rates, by race and ethnicity

Mar 1, 2020 to Jan 31, 2021



Source: CDC COVID-NET; data as of Jan 31.



Biden Administration COVID-19 Strategy

- Restore trust with the American people
- Mount a safe, effective, comprehensive vaccination campaign
- Mitigate spread through expanding masking, testing, treatment, data, workforce, and clear public health standards
- Immediately expand emergency relief and exercise the Defense Production Act
- Safely reopen schools, businesses, and travel, while protecting workers
- Protect those most at risk and advance equity, including across racial, ethnic and rural/urban lines
- Restore US leadership globally and build better preparedness for future threats

Address Needs of COVID-19 and Beyond

- **Infection prevention and control** in health care settings
- **Broadband internet** is an essential service and should be freely available to all
- **Reorienting health care to primary care, including scaling up telemedicine, team-based care, and financial incentives for prevention will preserve and improve health**
- **Sustained funding for global health security will help tamp down the spread of COVID-19 and protect America's health defenses against future disease threats**
- **CDC and state and local public health departments need sustained support**



Top Health Priorities

- *End the tobacco epidemic* with comprehensive tobacco control
- *Reduce the heavy burden of harmful alcohol use* by following evidence-based recommendations
- *Protect people from unhealthy food* and promote wholesome, sustainable, farmer-supportive food production and distribution
- *Promote healthy physical activity*, including community redesign to promote safer opportunities for walking and cycling
- *Reduce air and water pollution*, with a focus on communities subject to disproportionate risk
- *Protect our children from addiction* to tobacco, alcohol, and drugs and from predatory marketing by junk food companies



Possible Key Roles for Churches/Faith Communities

- **Educate** communities about COVID – including by modeling appropriate COVID prevention – *and* educate public health leaders about community concerns
- **Advocate** for services and care
- **Catalyze change** in health and social services
- **Provide** support for communities, families, workers, contacts, and patients
- **Motivate** all to work together to stop COVID, including motivating those in power to prioritize services for those hardest hit



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