

# UCSF Center for Pandemic Preparedness and Response



## About the Center

The University of California San Francisco's (UCSF) Center for Pandemic Preparedness and Response (CPPR) unites interdisciplinary experts, multisector stakeholders, and global partners in responding to current pandemics and preventing emerging pandemic-related threats.

For the last three decades, UCSF has been leading innovative public health responses, with unparalleled expertise in pandemic science. During the COVID-19 pandemic, the city of San Francisco's civic leadership and health infrastructure collaborated rapidly and effectively with UCSF to realize the most agile public health response seen anywhere in the United States. Building on that track record, CPPR will pilot and scale solutions and lay the

groundwork for evidence-based decision-making in support of global strategies to prepare, respond to, and prevent future pandemics.

Our goals are to **enhance global efforts towards readiness, response, and resilience** to effectively deal with the biggest threats to health systems around the world.

## Mission

To respond effectively to current pandemics and prevent future pandemic-related threats, CPPR will translate research into actionable solutions across its four pillars of impact: readiness, response, resilience, and research.

## Pillars of Impact



### Readiness

Advance technologies and public health strategies to help predict threats and maximize **readiness** to control emerging epidemics and outbreaks.



### Response

Translate evidence and implement comprehensive countermeasures to enable rapid and effective **responses** to emerging global health threats.



### Resilience

Create tools and strategies to strengthen public health system **resilience** in the face of threats and disruptions.



### Research

Leverage multidisciplinary **research** expertise to answer critical scientific and operational questions to ensure that all our actions are evidence-informed and equity-focused.

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## CPPR's Approach

### **Equity over all else**

With a focus at the intersection of these goals as well as a fundamental commitment to advancing health equity, we maximize the relevance and impact of the solutions developed and deployed by CPPR. Solutions include new models for workforce mobilization and training; surveillance; early detection and modeling; testing and tracing solutions; clinical and health system strategies; innovation and scaling of best practices; improved public information; and ethics and equity frameworks.

### **Global Connection**

The COVID-19 pandemic has made one thing clear: for any crisis that threatens the globe, the problems of any of us are the problem of all of us. Responding to this pandemic, while also preparing for the next, must be coordinated and multidimensional. Only a holistic response based on cross-sectoral collaboration at all levels of society can build the necessary resilience to ensure that the next pandemic is not as devastating as the current one.

### **Transformative Partnerships**

COVID-19 has highlighted the urgent need to reimagine global partnerships that ensure equity and impact, while also allowing us to respond rapidly, anywhere around the globe. To prevent the next pandemic and dismantle the coloniality in global health that undermined our response to this one, demands new models of partnership, new sets of checks and balances, and different epistemological frameworks.

## CPPR's Strengths

### **Expertise**

UCSF hosts extensive and world-leading

expertise in pandemic research, including epidemiology, surveillance, informatics, implementation sciences, clinical trials, genomic sequencing, machine learning, policy, and financing.

### **Innovation**

UCSF has pioneered innovative approaches throughout the COVID-19 pandemic, including a whole-city contact tracing program, Statewide pandemic workforce training program and support for digital tools for tracking disease transmission and access to care. UCSF helped to develop San Francisco's reputation as a leader in equity-informed pandemic management and resilience and worked with local and regional partners to help communities respond rapidly. More broadly, UCSF is a global leader in genomic sequencing, drug discovery and clinical trial platforms.

### **Collaboration**

Since the start of the pandemic, UCSF has served as a nexus for collaboration with private sector, national ministries of health, local public health departments and community organizations. Moreover, UCSF has significant global reach, with collaborative partnerships and operating hubs located across the world.

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**The Center for Pandemic Preparedness and Response** unites interdisciplinary experts, multi sector stakeholders, and global partners to deliver positive societal change and impact.