Preparing for Future Pandemics: Subway Crowd Management to Minimize Airborne Transmission of Respiratory Viruses (Way-CARE)





Project Overview

Xuan Di, Columbia University Award Type: IRG[2218809]

Challenges:

- Following the substantial drop in public transportation ridership across the globe during the pandemic, how can subway systems respond to and recover from a future pandemic?
- True health risks inside subway systems and future commuting patterns are unknown post the pandemic.

Goal: Strengthening the preparedness and resilience of transit communities (i.e., agencies, workers, and riders) facing public health disasters through the development of a sociotechnical system for crowd management

Broader Impact

□ CU-IMPROVE Workshop





Provides transit agencies engaged in planning and policymaking with

recommendations for mitigating virus transmission risks to riders and workers.

Technological Propeller &

sess.. community engage.