

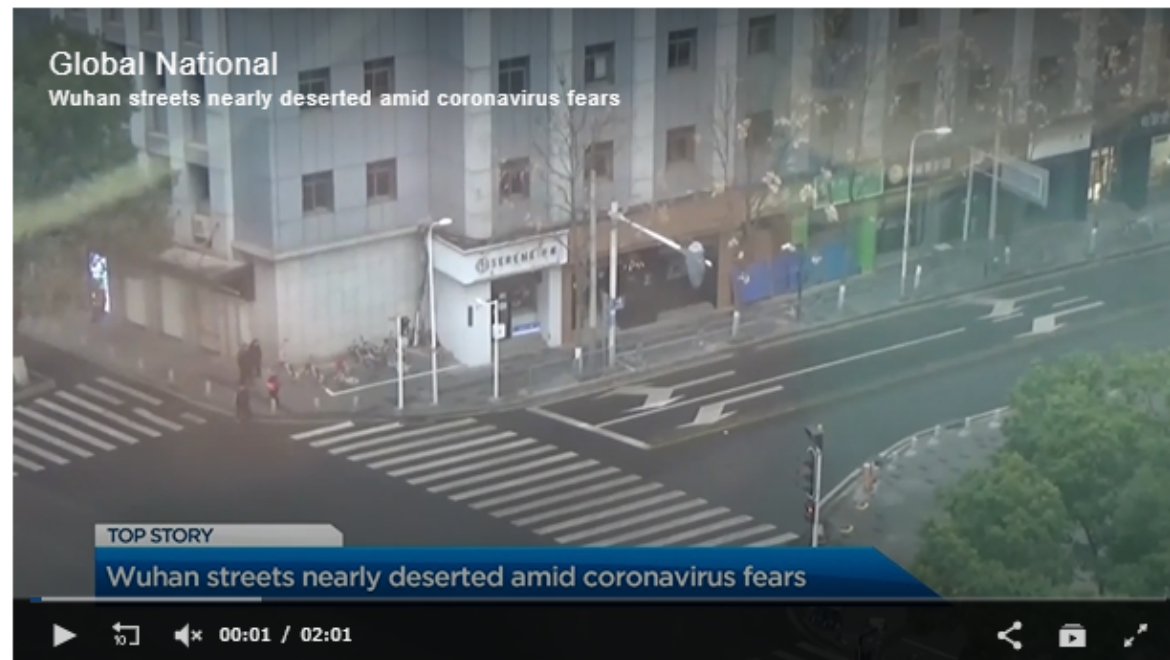
Here's what Wuhan, China looks like under quarantine for coronavirus



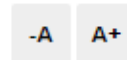
BY [RACHAEL D'AMORE](#) · GLOBAL NEWS

Posted January 24, 2020 6:17 pm

Updated January 24, 2020 10:02 pm



— WATCH: A new hospital is being rapidly constructed in Wuhan, China, in response to the coronavirus outbreak. As Redmond Shannon reports, it comes as the country puts more cities on lockdown ahead of Lunar New Year celebrations.



It's been described as unprecedented — the quarantining of millions of people in a [central Chinese city](#) while health care workers try to suppress a virus proliferating across the country.

China launches coronavirus tracking app as death toll surpasses 1,000

The app alerts you if you have been in close contact with a sick person.



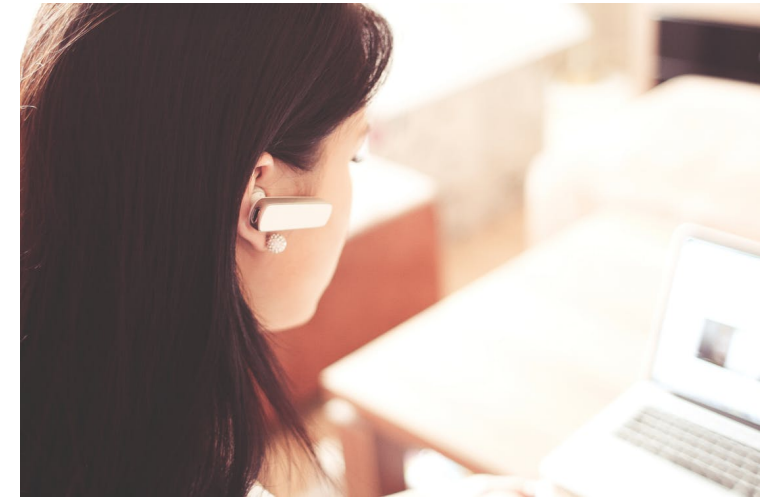
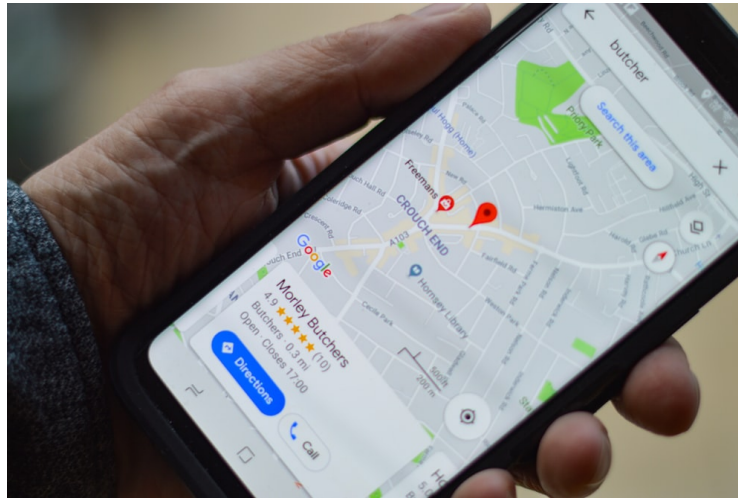
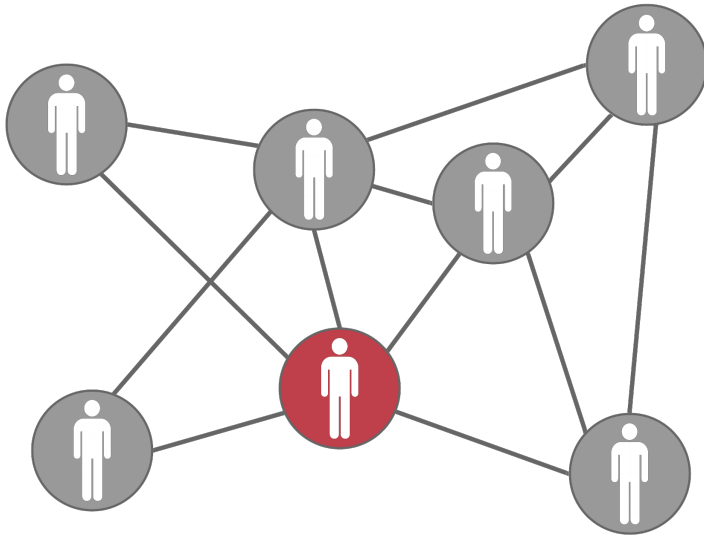
By **Catherine Thorbecke**

February 11, 2020, 11:24 AM • 6 min read

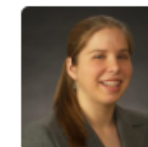


What is coronavirus?

A viral outbreak that began in China has infected thousands of people globally.



Scott Leibrand (Washington)
Scott Leibrand



Dana M. Lewis
Dana M. Lewis

1

Every time two phones are close a contact event is detected.



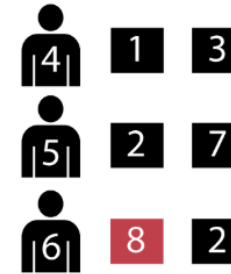
2

Each phone broadcasts a randomly generated contact event number. The number is updated every few minutes.



3

All phones keep a local log of every number they have transmitted or received.



4

If one of the phone owners is diagnosed positive, they are given a permission number by health authorities.



5

This person sends a request to the public database with the permission number and their history of contact event numbers (both transmitted and received).



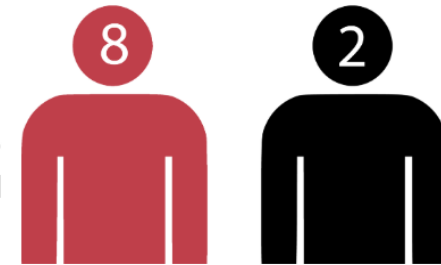
6

If the permission number is valid, the contact event numbers are stored in the database and transmitted to all other phones.

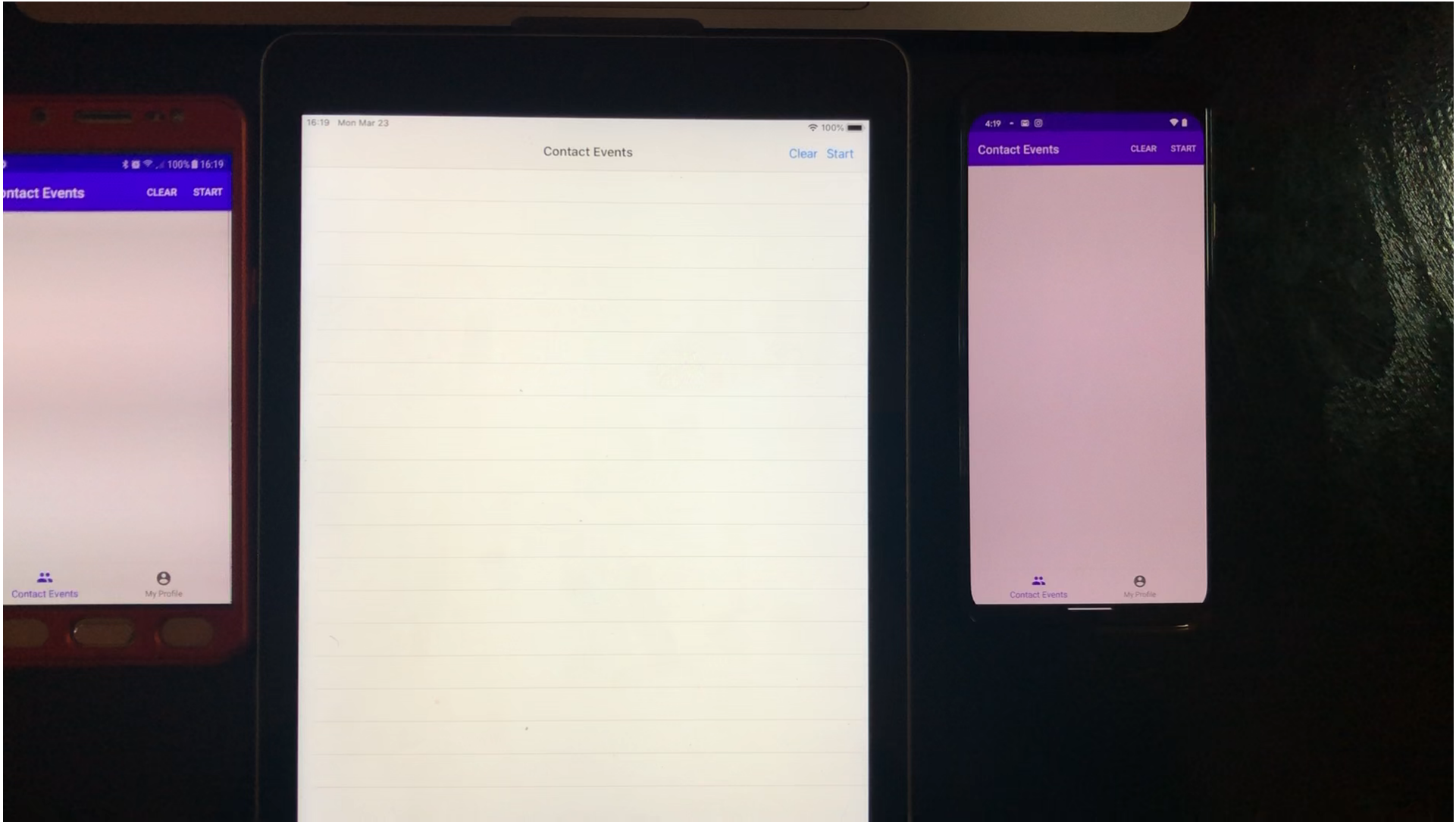


7

Each phone compares the publicly posted contact event numbers against their own history. If there are any matches this means they were close to an infected individual and are given instructions on what to do next.



James Petrie (Canada)
James Petrie



Zsombor Szabo
Zsombor Szabo
Bluetooth



COVID Watch

Our project! An app for voluntary, decentralized, privacy-preserving alert system, which is an intervention that is expected to have the same benefits as contact tracing. Our Bluetooth proximity network system notifies users of potential close contact exposure. Our team was the first to open source Android, iOS and cross-communication between devices for Bluetooth contact alerts on March 17, 2020. [Check out our white paper](#) for more information.



CoEpi: Community Epidemiology In Action

The CoEpi team are working on an app for community contact tracing, in which users would be able to report symptoms and likely contagiousness, whether they have a cold, flu, COVID-19, or any other contagious disease. We are collaborating with them on a shared, privacy-preserving database design.



TraceTogether

This app is the first nationwide deployment of Bluetooth-enabled contact tracing. It was released by the Singaporean government on March 20, 2020. The app uses a similar approach to COVID Watch. We have been in touch with the TraceTogether team and are ready to adapt their code to our project as soon as it is open-sourced.



PrivateKit: Safe Paths

Built by a team at MIT, Safe Paths focuses on an anonymized 28-day GPS trajectory, rather than bluetooth contact events. The team is leveraging their history of research on privatizing data. They are helping us to test our Bluetooth protocol.




Welcome to Covid Watch

Join the neighborhood watch for the era of COVID-19. Together, we can save lives.

Get Started >

? Learn about how we protect your data
No sign-up information required.



COVID Watch

We hope to slow the spread of infectious diseases like COVID-19 with crowdsourced data.

<http://covid19risk.com> admin@covid19risk.com

Repositories 10

Packages

People 17

Teams 1

Projects

Type: All Language: All

covidwatch-ios

Swift Apache-2.0 3 12 2 0 Updated 5 hours ago

bletest

Swift 0 0 0 0 Updated 6 hours ago

articles

For sorting out big document/article projects

Vue 3 2 0 0 Updated 7 hours ago

covidwatch-android

Kotlin 3 11 1 1 Updated 12 hours ago

covidwatch-android-ux

UX implementation for Android

Kotlin 0 0 0 0 Updated 17 hours ago


mobile-dev-learning

Sandbox repository for us to play with building the frontend side of the mobile app.

Dart 0 0 0 0 Updated 6 days ago


covidwatch-backend

Python Apache-2.0 0 2 1 0 Updated 9 days ago



You have **NOT** been in contact with COVID-19!

Based on last 14 days of activity



We don't share with Big Brother.
We share with each other.

< Share this app

Ask family and friends to join the COVID Watch Team

Confirmed COVID-19?

Self Report

HOME

INFO

HELP