Hi, my name is Michael Corning, and I’m with the Soteria Institute, and I’m a Microsoft expat.

I’m here today to show you one more weapon Microsoft can use in the fight against COVID-19. We call our product *Local Contact Tracing*. We think it can serve as a COVID Early Warning System.

Key Innovation: Trace **before** Test

As the US government recently prioritized in-home COVID testing, we believe LCT has come at a perfect time. For without a way to warn others when you test positive, testing only helps those closest to you. But if you have LCT, you can instantly alert everybody (including strangers) you shared space with to get tested. And if they are positive, they warn others, too. Very soon, the virus has no where to go in your community.

We envision many scenarios where LCT can make a difference, but this video focuses on the bare essential workflow.

Essentially, with LCT you will memorialize every public place you visit. If you test positive, you hit the Big Red Button, then you quarantine and take care of yourself.

You can scan this QR to open LCT on your mobile phone. You can save the link as an app on your home screen. LCT will notify you with product updates.

Qr code

Description automatically generated

Here we have a browser open to LCT:

<https://cvew.herokuapp.com/?sponsor=microsoft>.

Graphical user interface, application, Excel

Description automatically generated

When you specify a sponsor as we did for Microsoft, LCT will open a map with the most logical default location most likely to be near you.

# Pick a Place

So, let’s attend a meeting at the main campus.

When we click the Microsoft map marker, we see a description of the selected location and a button to press…

Map

Description automatically generated

# Mark your Calendar

…that takes us to our COVID-aware Calendar that adds an event with the current time. The message confirms the event’s userID and placeID are stored on a specific remote virus exposure graph (in this case, the ‘Redmomd WA’ graph).

Graphical user interface

Description automatically generated with low confidence

Select the event to edit it.

Graphical user interface, application, Teams

Description automatically generated

Again, you see confirmation that the relationship between you and your location’s placeID is deleted from the ‘Redmond WA’ graph.

Chart

Description automatically generated

# Get Tested

In this case we have another party (note the different last four digits, **7610**, of the userID on the system bar (your userID ends with **e8ba**)) who attended the same meeting as you. In their case, they were notified by LCT. They got tested and showed symptoms. Also, they independently discovered that their neighbor tested positive yesterday. This combination of factors produces a maximum exposure risk assessment. When this person hits the Big Red Button…

Graphical user interface, text, application

Description automatically generated

# And That Means You

…you see a Big Red Alert on your phone (in real time if the LCT was open; otherwise, the next time you open LCT).

Graphical user interface, map

Description automatically generated

You now crack open the in-home test made affordable by government support, and if you are positive, you repeat the process. Otherwise, you go about your business tracing your activities along the way. With this virus, you never know…