

Community Behavior & Infection Management

1
EXPOSURE
NOTIFICATIONS

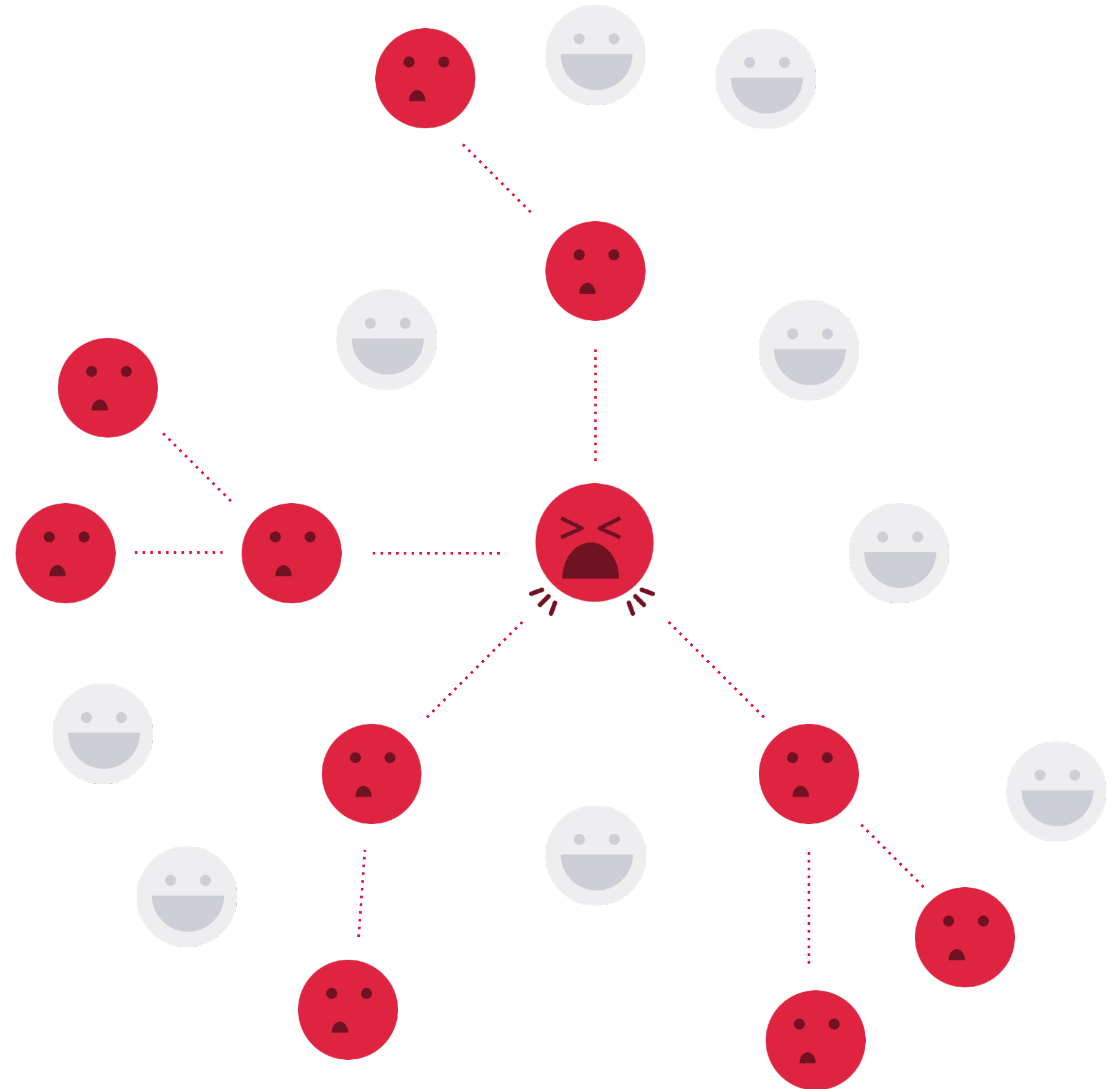
2
RISK SCORE
& DATA VISUALIZATION

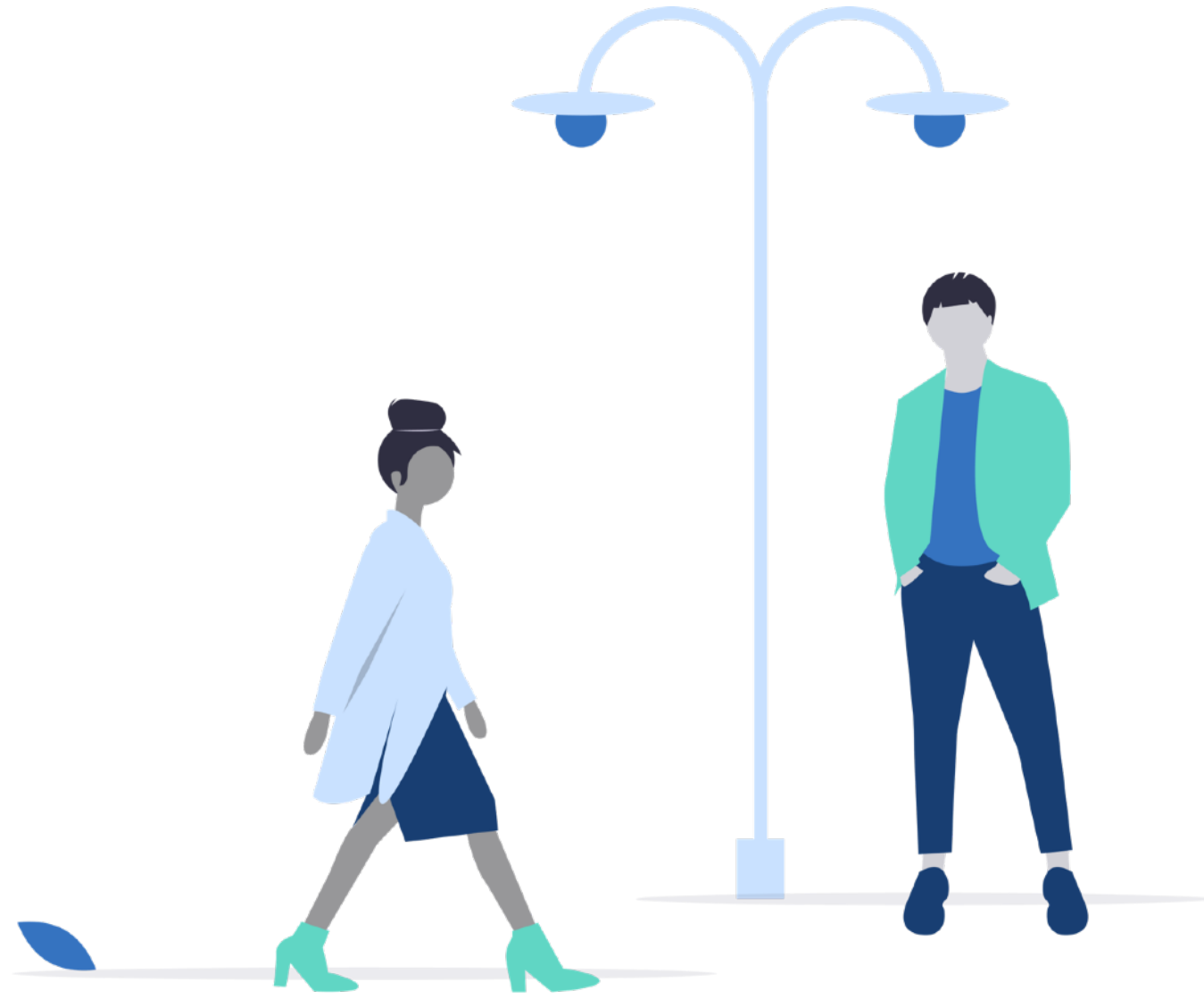


Exposure Notifications

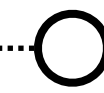
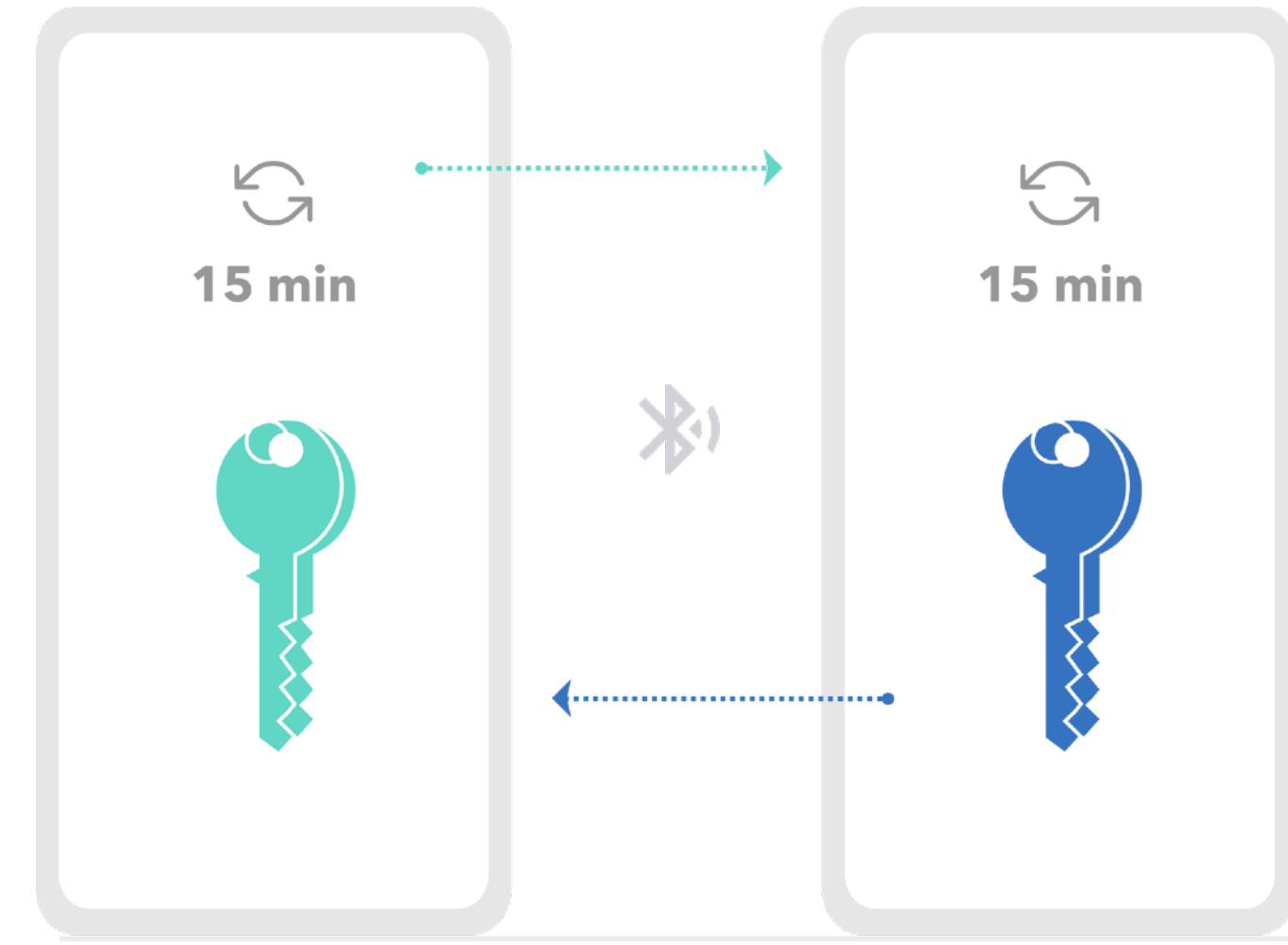
In partnership with Apple and Google, leverage mobile technology to enable personalized 'exposure notifications' for consented users.

- **Not a replacement for traditional forms of contact tracing.**
- **Enables 'Exposure Notifications'**
- **Operating-system level and cross-platform (Low Energy Bluetooth)**
- **1 health authority app per 'region'**
- **Designed with cybersecurity & privacy in mind**



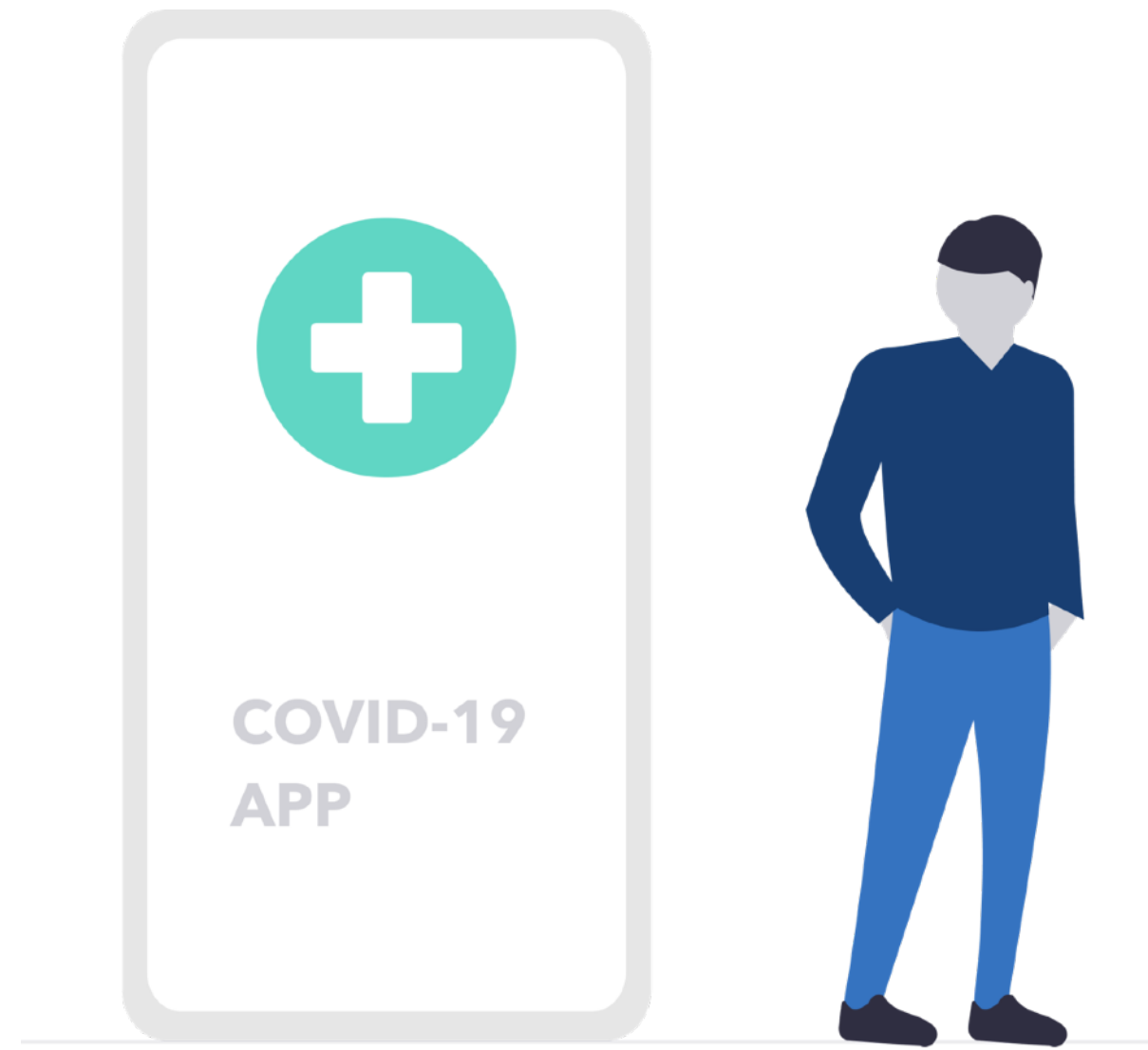


Alice and Bob meet each other for the first time and have a 10min conversation

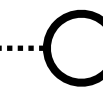
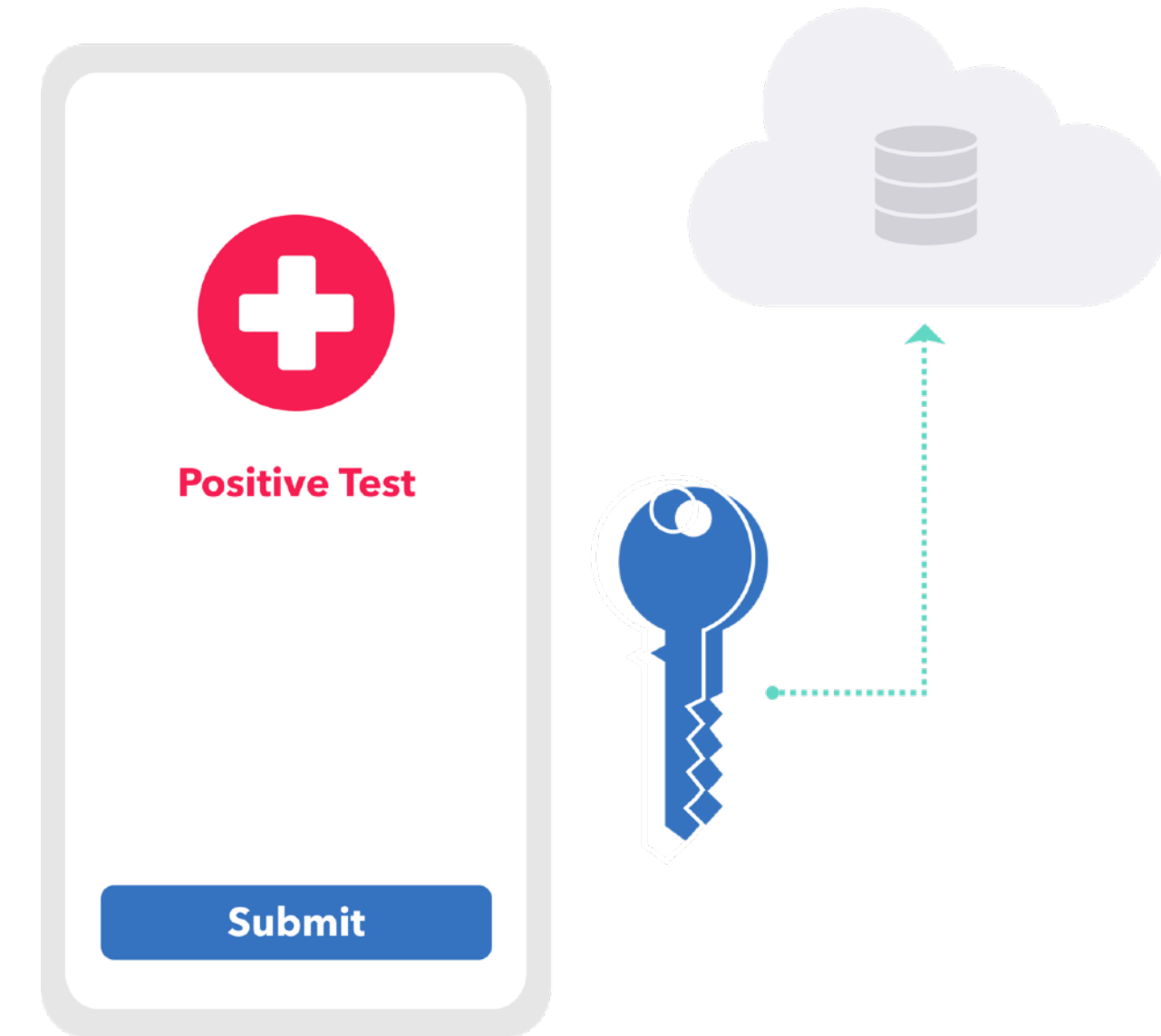


Their phones exchange anonymous identifier beacons (which change frequently)





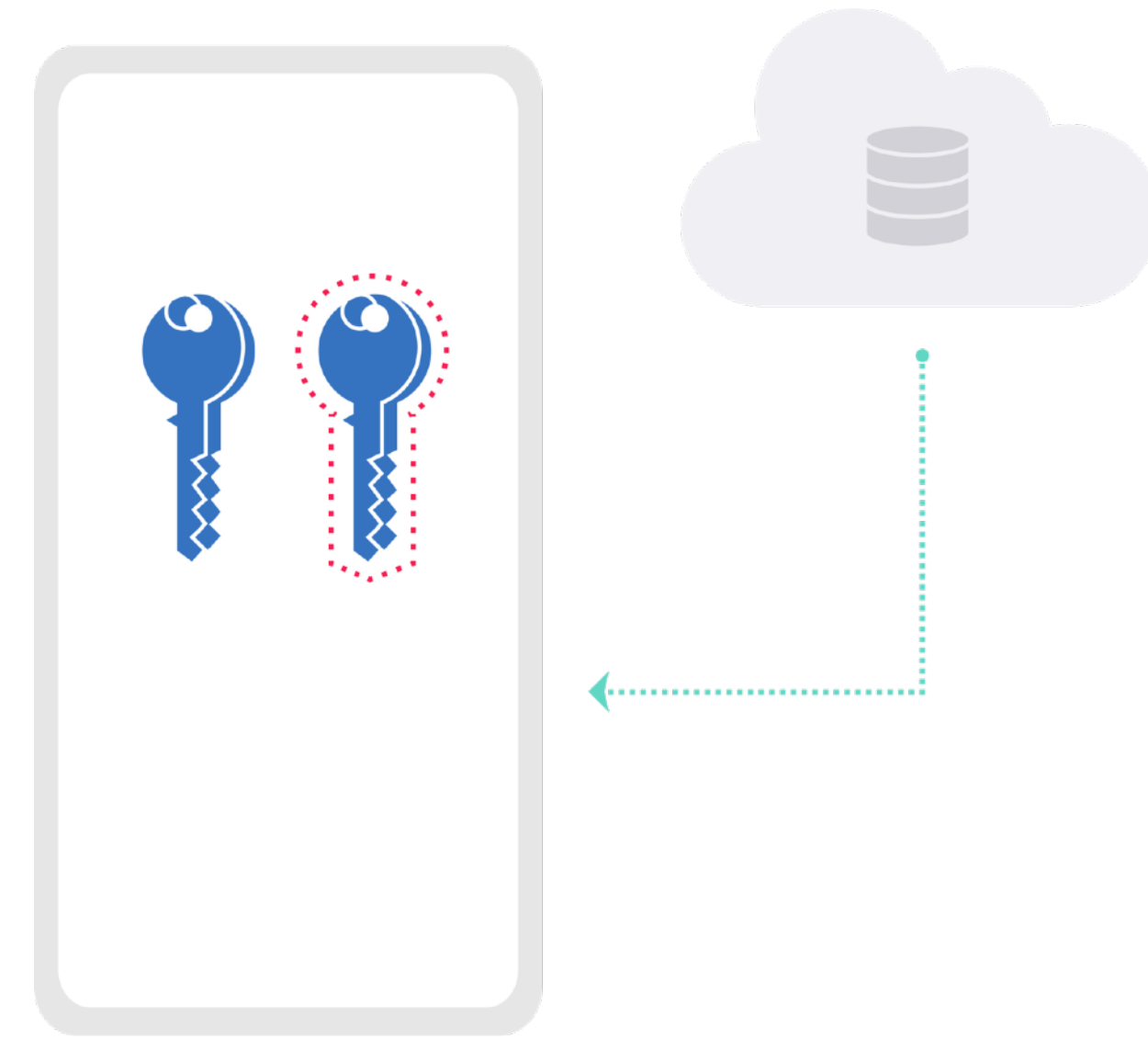
Bob is positively diagnosed for COVID-19 and enters the test result in-app from a public health authority




With Bob's consent, his phone uploads the last 14 days of keys for his broadcast beacons to the cloud.

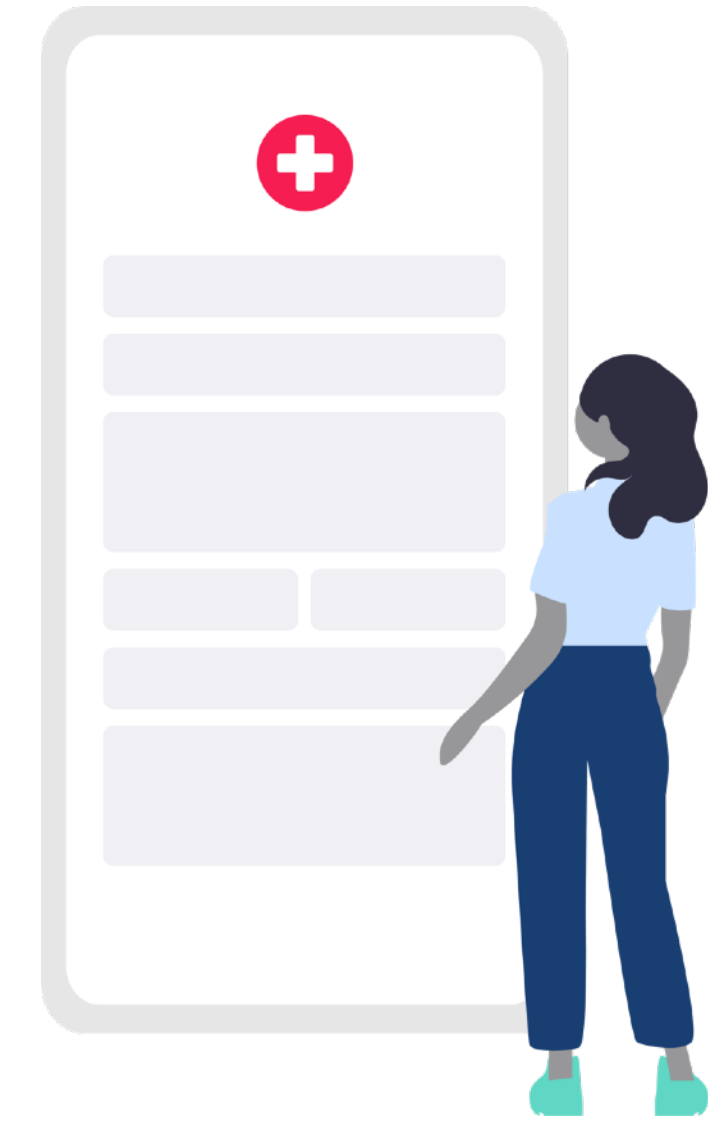


Alice continues her day unaware she had been near a potentially contagious person.



Alice's phone periodically downloads the broadcast beacon keys of everyone who has tested positive for COVID-19 in her region. A match is found with Bob's anonymous identifier beacon.

 **ALERT**
You have recently been exposed to someone who has tested positive for COVID-19.



Alice sees a notification on her phone alerting her that she made contact with someone potentially contagious.

She taps the notification which opens the Virginia app, where she reads advice about what to do next.

