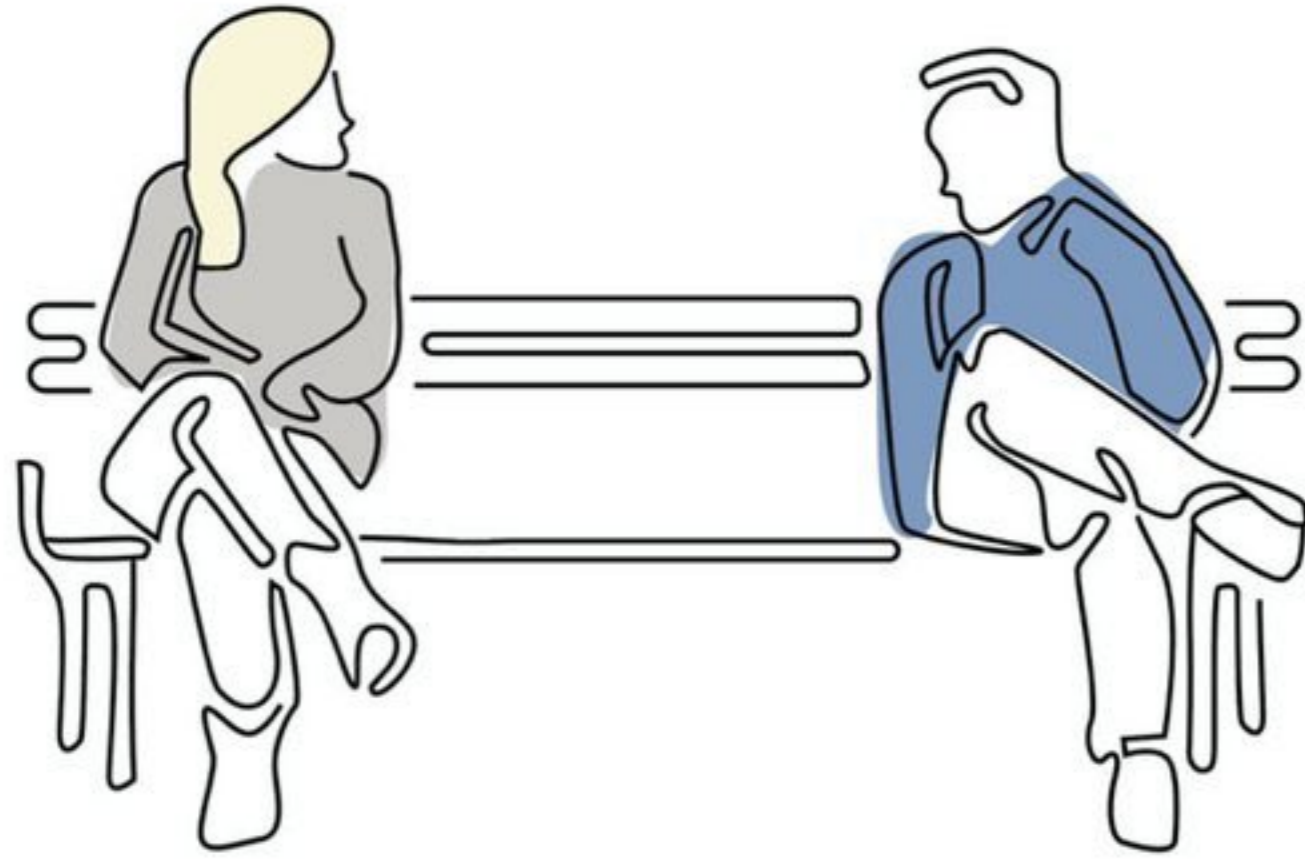**Alice and Bob meet each other for the first time and have a 10-minute conversation.**
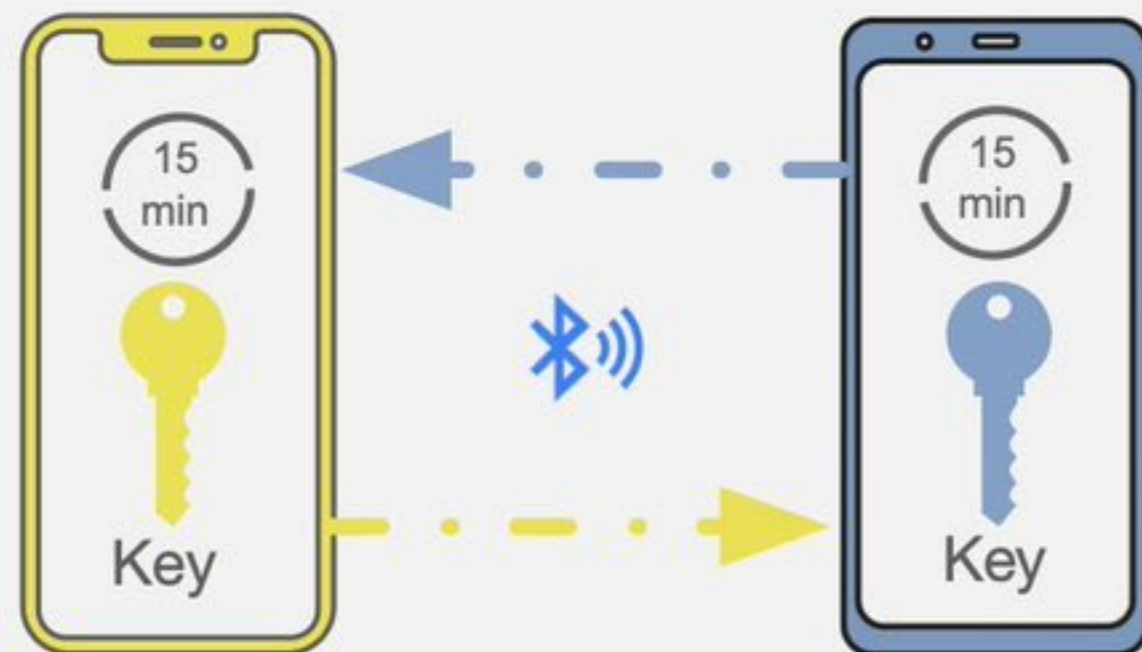

Bob is positively diagnosed for COVID-19 and enters the test result in an app from a public health authority.
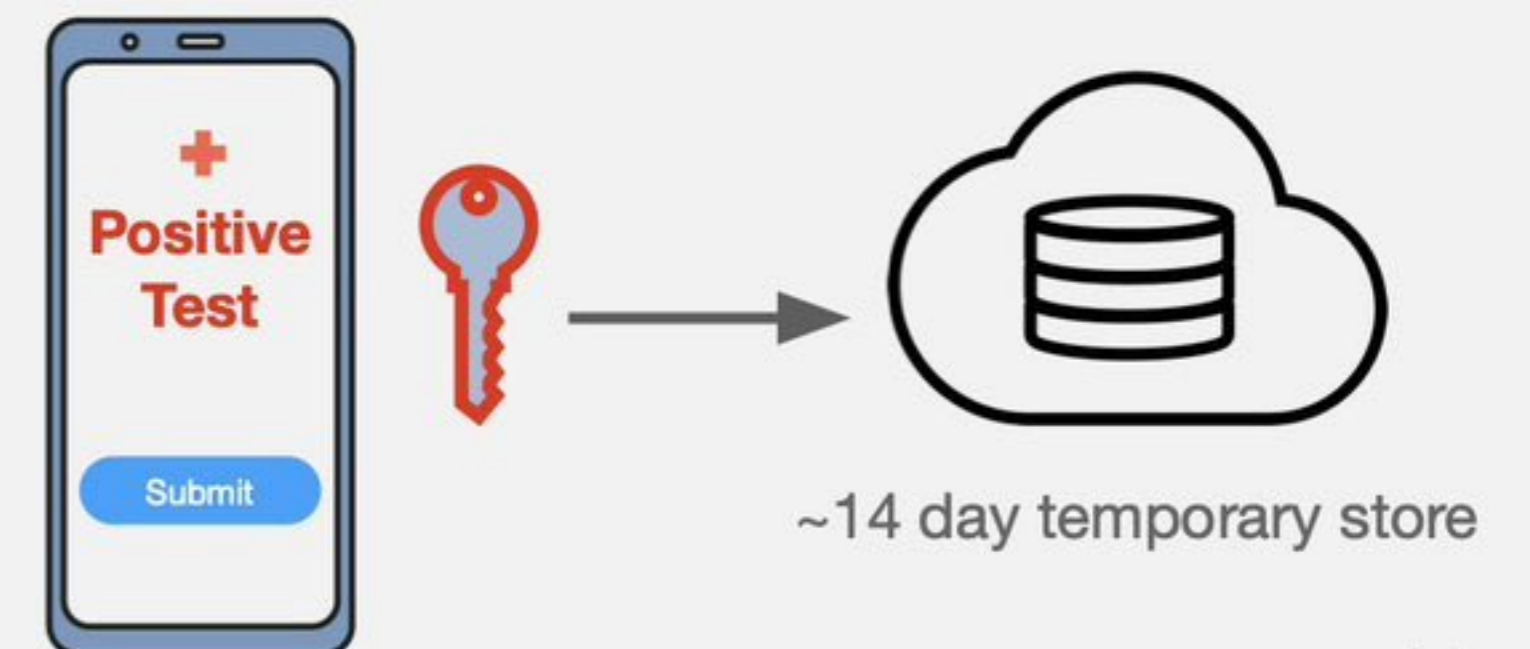

Their phones exchange anonymous identifier beacons (which change frequently).

A few days later...

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

15 min

Key

15 min
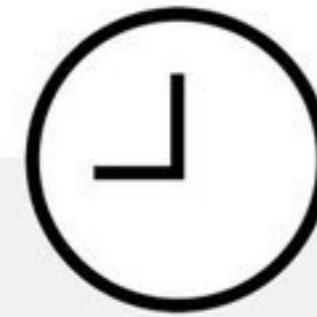
Key

Apps can only get more information via user consent

Positive Test

Submit

~14 day temporary store

Google

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

Alice sees a notification on her phone.

🞣

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

Tap for more information -->

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 the Bob's anonymous identifier beacons.

Sometime later...
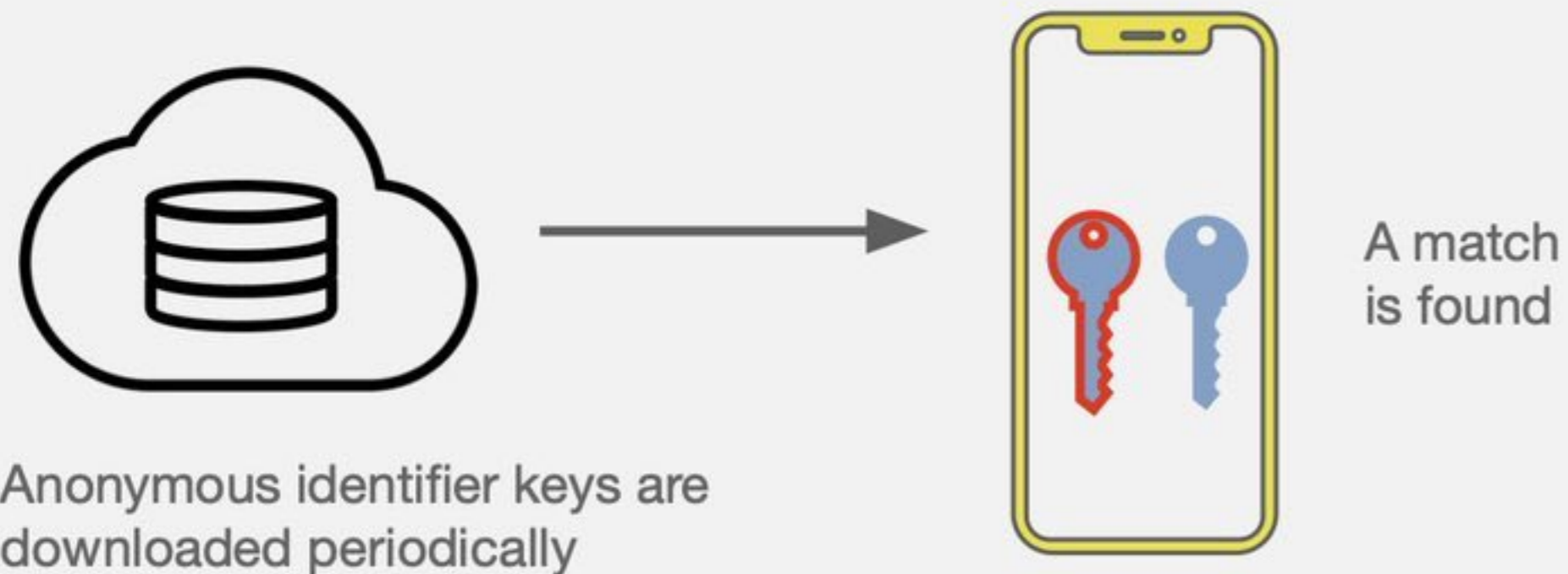
Alice's phone receives a notification with information about what to do next.

A match is found

Anonymous identifier keys are downloaded periodically
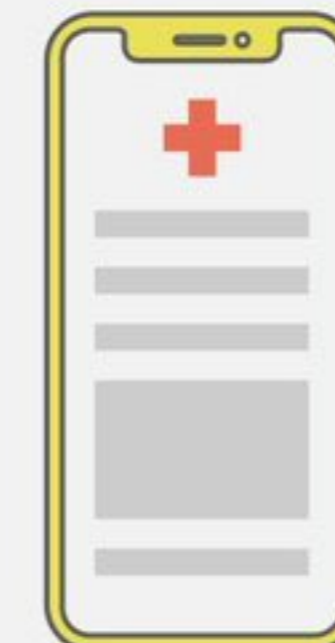
Additional information is provided by the health authority app or website

 Google