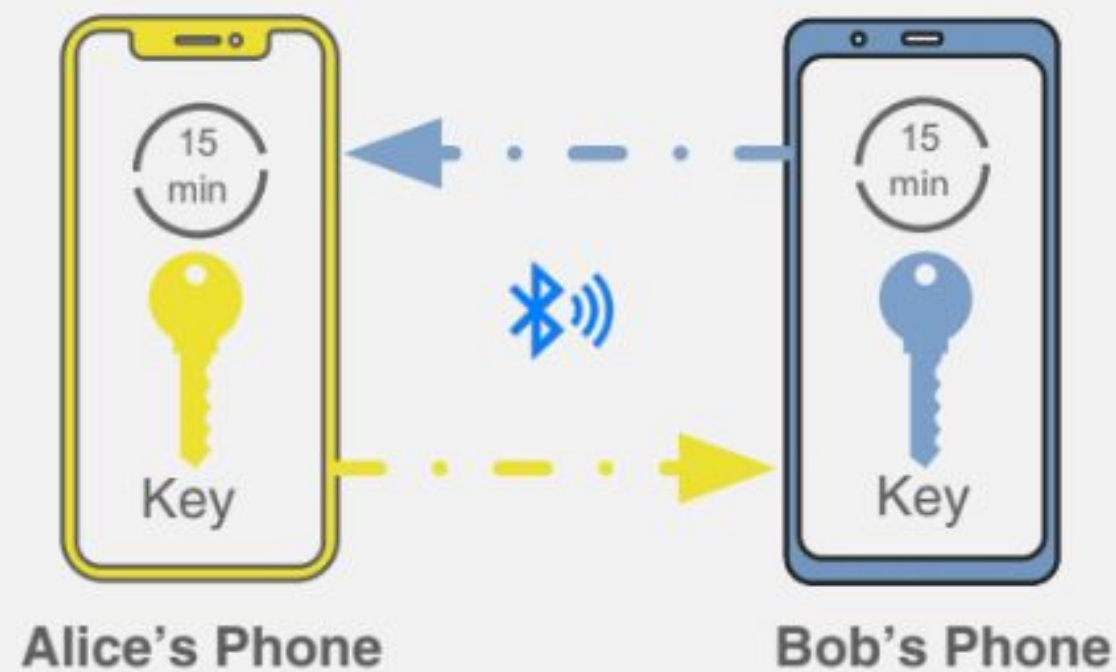


Alice and Bob don't know each other, but have a lengthy conversation sitting a few feet apart.



A few days later...

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



- No PII associated with the Keys.
- Location data not collected or used.
- Identity not disclosed.

Bob is positively diagnosed for COVID-19. He **voluntarily** enters a PIN provided by a public health case investigator to verify he is COVID-19 positive in the public health authority app. The PIN is not associated with Bob or his PII, and data on Bob's phone is not shared with Public Health Authority Apps.

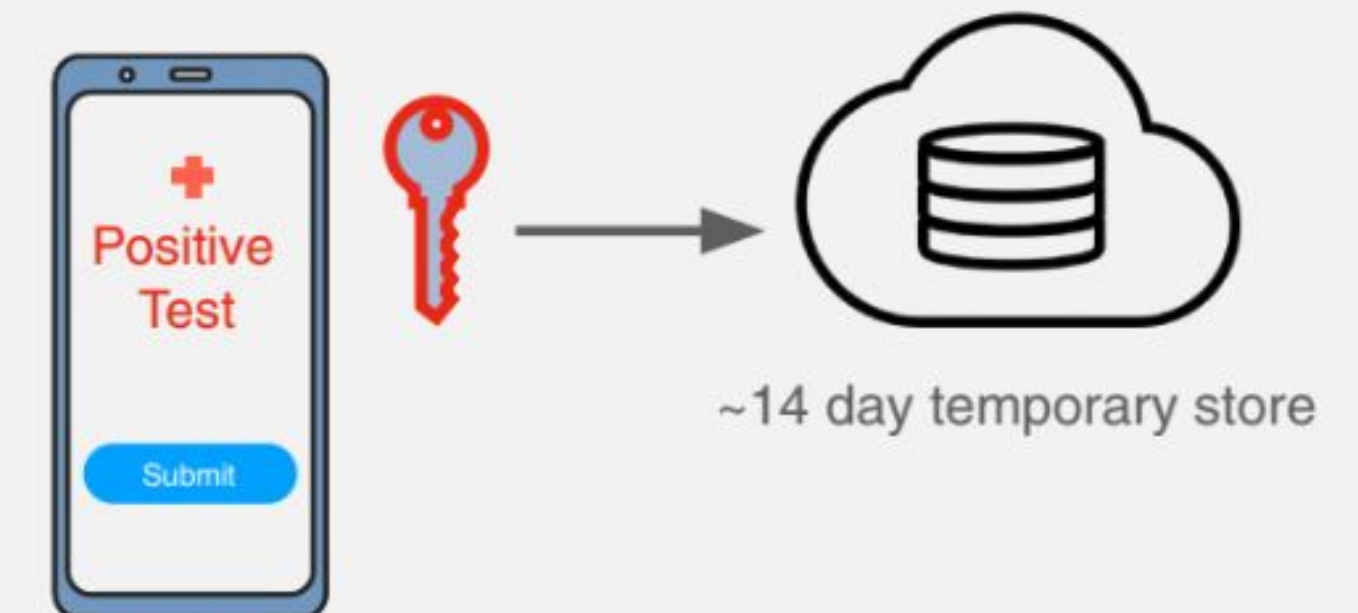


App installed with user consent.

Positive test results stored in Public Health Authority Contact Tracing Database, not associated with Exposure Notification servers.

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

Apps can only get more information via user consent



Data (Proximity information and Keys) stored on Bob's phone

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



Alice sees a notification on her phone.
App will not disclose Bob's identity to Alice.



Sometime later...

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 beacons.



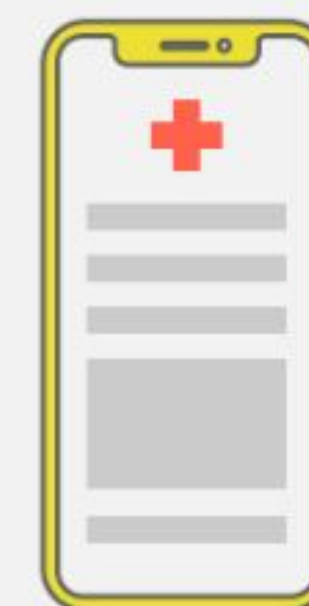
Anonymous identifier keys are downloaded periodically



Alice's Phone

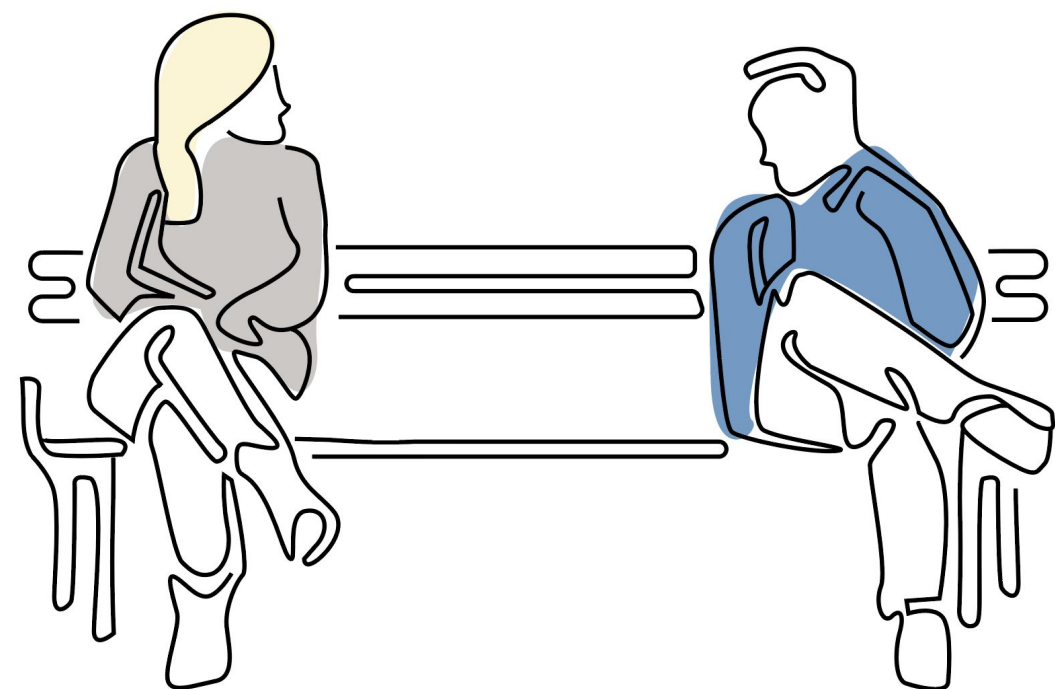
A match is found

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

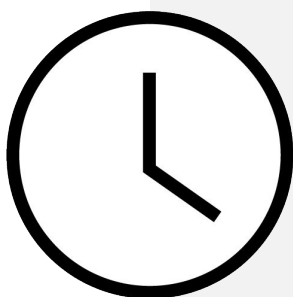
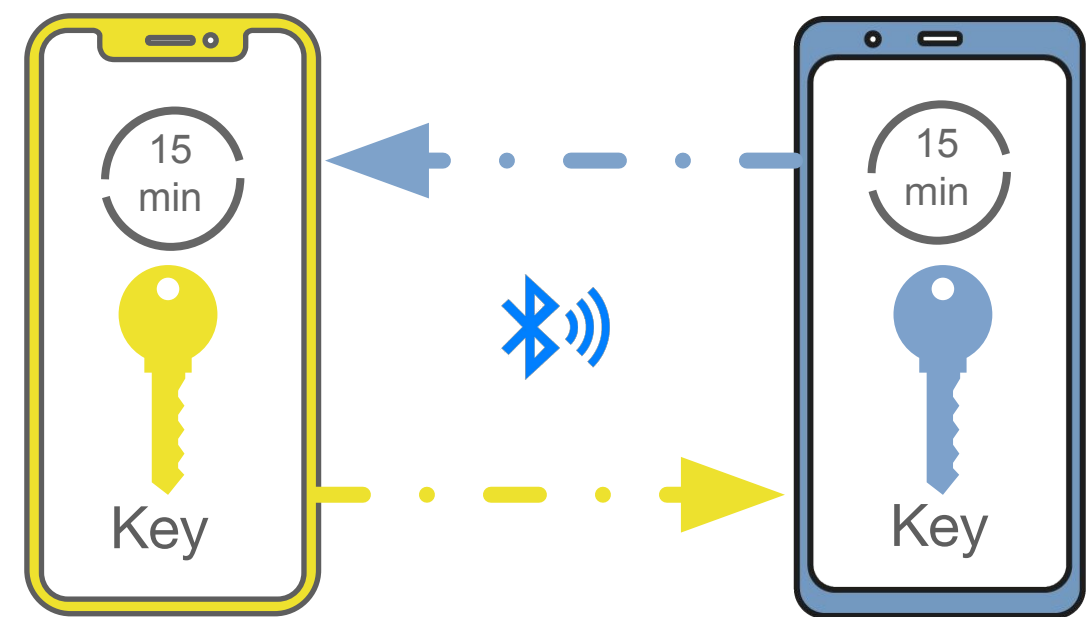


Additional information is provided by the health authority app

Alice and Bob don't know each other, but have a lengthy conversation sitting a few feet apart.



Their phones exchange non-identifiable bluetooth beacons, which change frequently.



A few days later...

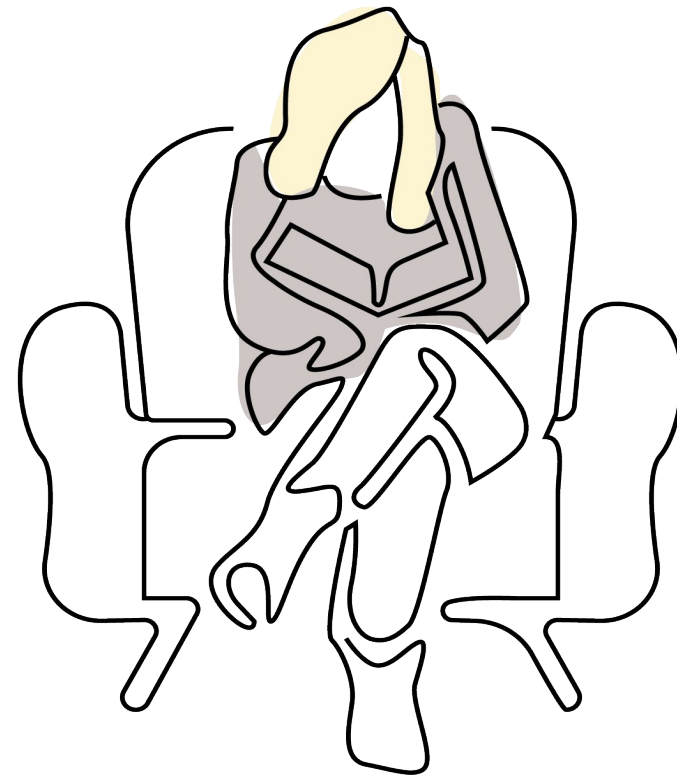
Bob is positively diagnosed for COVID-19. He voluntarily enters a PIN provided by a public health case investigator to verify he is COVID-19 positive. The PIN is not associated with Bob or any PII.



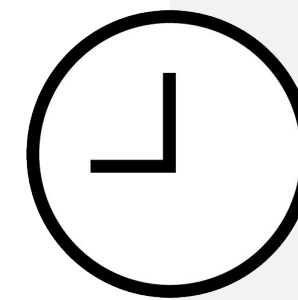
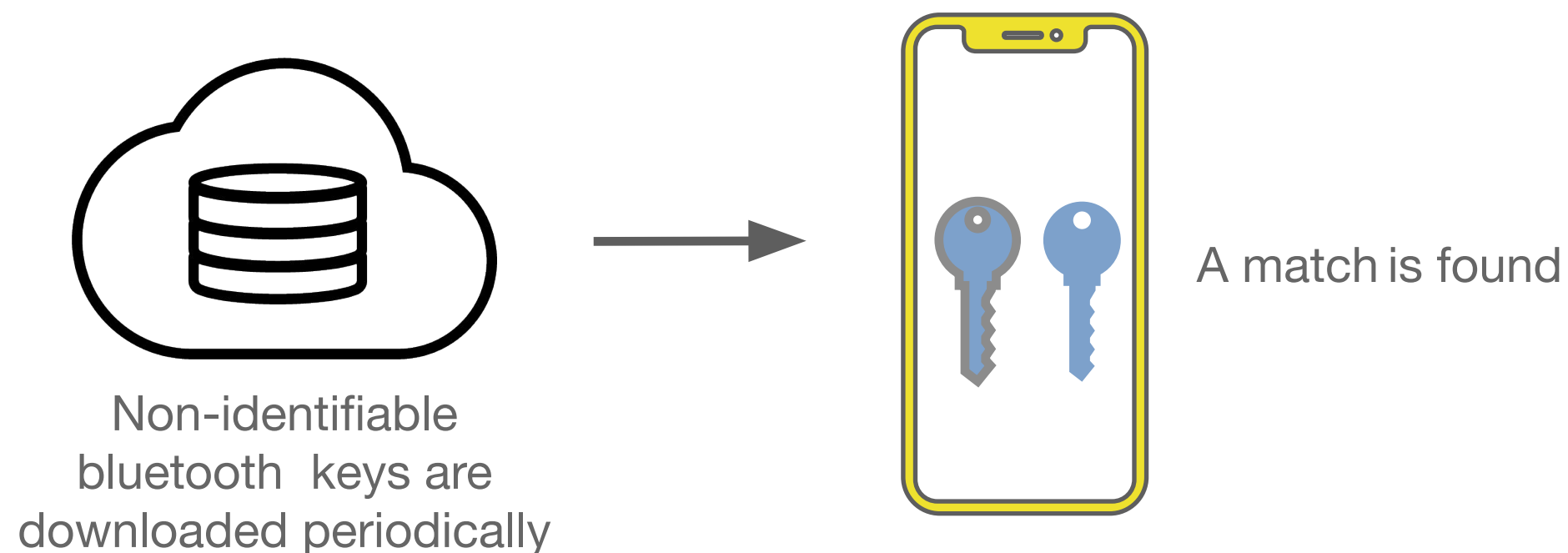
With Bob's consent, his phone uploads the last 14 days of his bluetooth keys to the server.



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

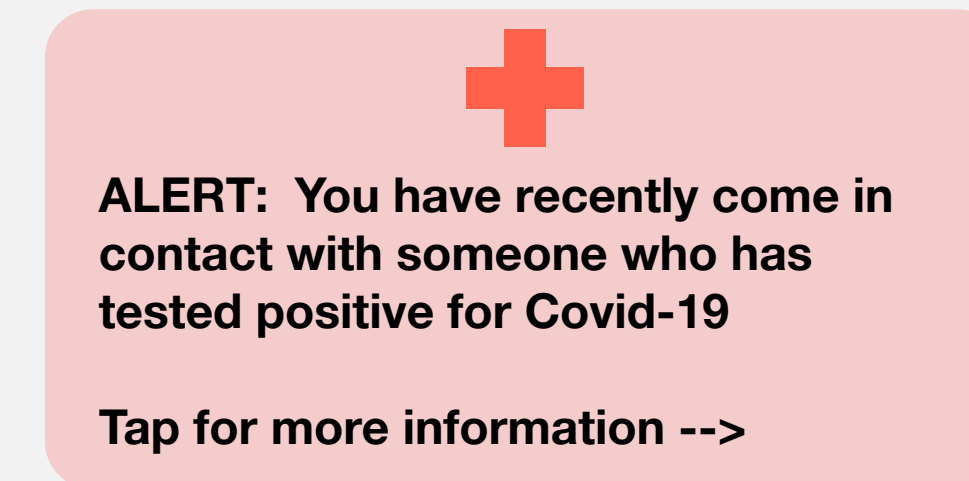


Alice's phone periodically downloads the non-identifiable bluetooth keys of everyone who has tested positive for COVID-19 in her region. A match is found with Bob's non-identifiable beacons.

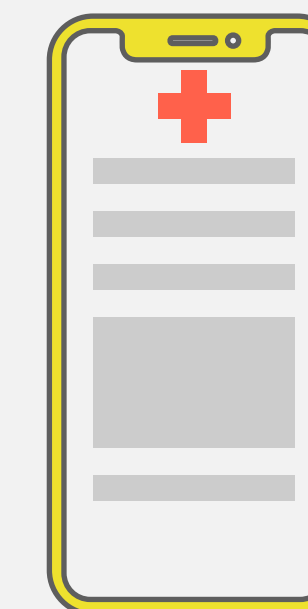


Sometime later...

Alice receives a notification on her phone.



The notification includes information about what to do next (e.g. to quarantine, monitor symptoms, get tested, call public health).



Additional information is provided by the public health authority app