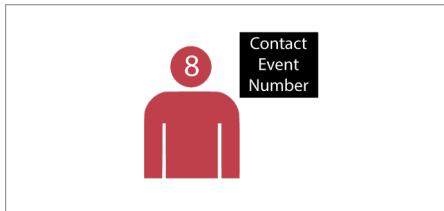
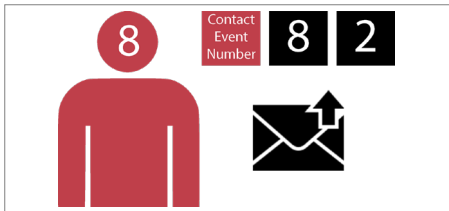


1. Every time two phones are close a contact event is detected.
2. Each phone broadcasts a randomly generated contact event number. The number is updated every few minutes.
3. All phones keep a local log of every number they have transmitted or received.
4. If one of the phone owners is diagnosed positive, 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.