

Decentralised



1



The app broadcasts a random ID and collects the random IDs of the other apps it interacts with, and some data about the interaction (time and distance)

2



If a user reports they are unwell, they can choose to upload their ID to a central database

3



Users' phones regularly download the most up-to-date version of this database and look for IDs they have interacted with

4



If they see any ID(s) they have interacted with, their app calculates whether or not to inform them that they have been in contact with an infected person



Centralised

NHS COVID-19 app

1



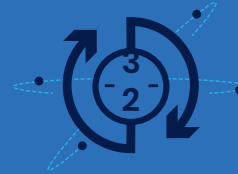
The app broadcasts a random ID and collects the random IDs of the other apps it interacts with, and some data about the interaction (time and distance)

2



If a user reports they are unwell, they can choose to upload their ID and the other interaction data to a central database

3



The central database uses a NHS clinical algorithm to assess the uploaded interaction data and identify the risk posed by each interaction

4



Users who have had high-risk interactions with the unwell user are sent a push notification with targeted NHS advice