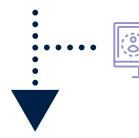
ACCEPTABILITY AND USABILITY OF **HOME-BASED ANTIBODY TESTING**

REACT-2 Study 3 aimed to explore how easily members of the public could use finger-prick antibody tests at home, before larger scale testing began.



25,000 INVITATION LETTERS SENT

Addresses from the Postal Address File were used to randomly select a sample of adults in England. Invitation letters were sent out in batches until at least 10,000 people registered to take part.



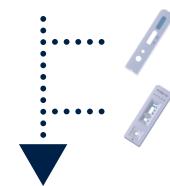
17,411

People registered to take part showing there is high public willingness and acceptability for antibody testing



14,400 TESTING KITS POSTED

Finger-prick antibody testing kits were couriered to participants along with an instructional booklet and a link to an online video. Two antibody kits were tested during this phase.



10,600

Wondfo testing kits sent [Kit 1]

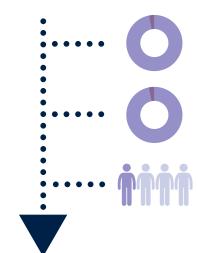


Orient Gene testing kits sent [Kit 2]



11,604 PEOPLE ATTEMPTED TEST

The test involved performing a finger-prick to draw a drop of blood. The blood is then added to the antibody testing stick, followed by a few drops of a test liquid. The test result appeared 10-15 minutes later, depending on the kit received.



Around 97%

Up to 94%

Successfully completed the antibody test



Got help from someone to perform the test



11,711 FEEDBACK FORMS RETURNED

Participants shared their experiences via phone or an online feedback form. They also had the option of uploading a photo of their test result to confirm results were being read correctly.



Almost 3 in 4

Would prefer to perform the test at home over a clinical setting or testing centre



Over 97%

Willing to perform an antibody test again, which reconfirms the high public acceptability for testing



Of the 3%

That did not successfully complete the test, reasons included not applying enough blood, not applying the blood and test liquid correctly, spilling test liquid



KEY NOTES FOR FUTURE TESTING

Several changes to the instruction booklet and testing kit items appeared to improve the overall usability, but some key points need further thought. Kit 2 selected for use in larger scale testing.



Getting blood drop and transferring blood Still raised as an issue despite changes to instructions

Impact on behaviour & mental well-being Further research is needed to understand the meaning that people place on these antibody test results

For the full published findings and further updates on REACT, visit www.imperial.ac.uk/medicine/research-and-impact/groups/react-study/

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