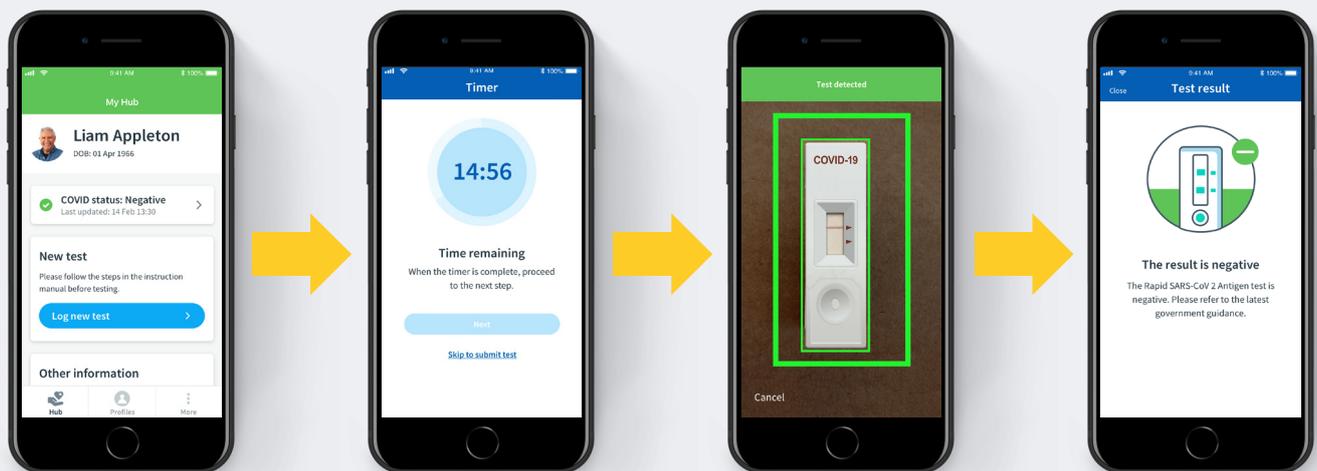




**A COVID-19 app that assists users and health professionals perform tests and share results, helping to keep workplaces, events and communities safe.**

The app includes powerful machine learning algorithms that can interpret test results beyond the human visible spectrum<sup>1</sup> in under two seconds, supporting the accurate reading of COVID-19 diagnostic tests.



An intuitive user flow including image capture guidance generates a digital certificate of health status

**MagnifEye COVID-19 app is aimed at:**

Occupational health providers looking to reduce paperwork and improve infection control

Employers wanting to maintain a safe working environment

Lateral flow manufacturers looking to support usage of their applications

Event managers and businesses looking to safely re-open their services

NHS Digital conducted a pilot study in April 2021 that tested the MagnifEye image reading algorithm on over 100,000 real world cases<sup>1</sup>.

MagnifEye increased sensitivity (the ability to identify positive tests correctly) to 97.6% and specificity (the ability to identify negative tests correctly) to 99.99% in reading lateral flow tests, as compared to a human reader.

**97.61%**  
Sensitivity

**99.99%**  
Specificity

**99.78%**  
Overall accuracy

1. Consortium, AI LFD and Beggs, Andrew D. et al 'Machine Learning for Determining Lateral Flow Device Results in Asymptomatic Population: A Diagnostic Accuracy Study.' [ssrn.com/abstract=3861638](https://www.ssrn.com/abstract=3861638)

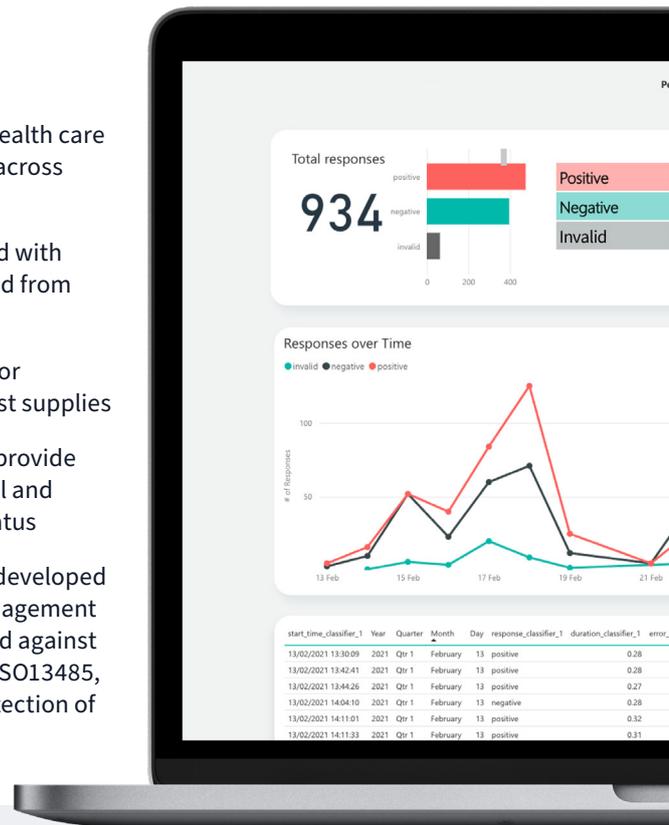
## Key features

### For individuals

- ✓ Self-test and manage COVID-19 health status
- ✓ Allows family and carers to upload and manage others' testing status in-app
- ✓ Training videos and questions embedded
- ✓ Image capture software performs automated quality control
- ✓ MagnifEye algorithms interpret the test result beyond the human visible spectrum
- ✓ Digital certificates to enable access to workplaces, venues and travel

### For organisations

- ✓ Supports testing by health care professionals (HCPs) across multiple sites
- ✓ PCR testing supported with test results transferred from lab direct to app
- ✓ QR/barcode reading for effective control of test supplies
- ✓ Dashboard analytics provide oversight of individual and aggregated health status
- ✓ GDPR compliant and developed under a quality management system that is certified against the requirements of ISO13485, and ISO27001 for protection of personal data



## Potential benefits



### Supports HCP-assisted testing programs

HCPs can use the app to perform high volume testing at multiple sites and to share the results quickly and securely to the test subject's app and enterprise dashboard.



### Near real-time visibility of population health

Organisations have a near real-time view of their employees' results, helping them understand the status of cases at any point to implement and manage disease-control measures.



### Custom app development

A team of experienced app developers and machine learning specialists can customise your branded app to specific test and data capture requirements.



### Supports greater test usage

Easy to follow instructions with visual guides help those who may otherwise find it difficult to take and read a test.



### Developed & tested for real-world use

Advanced machine learning algorithm identifies and reads tests to a high degree of accuracy, excelling in real-world image capture conditions (e.g. poor lighting).



### Secure Azure cloud environment

Data is domiciled in country of origin, encrypted and held in secure cloud storage with robust cyber security.