



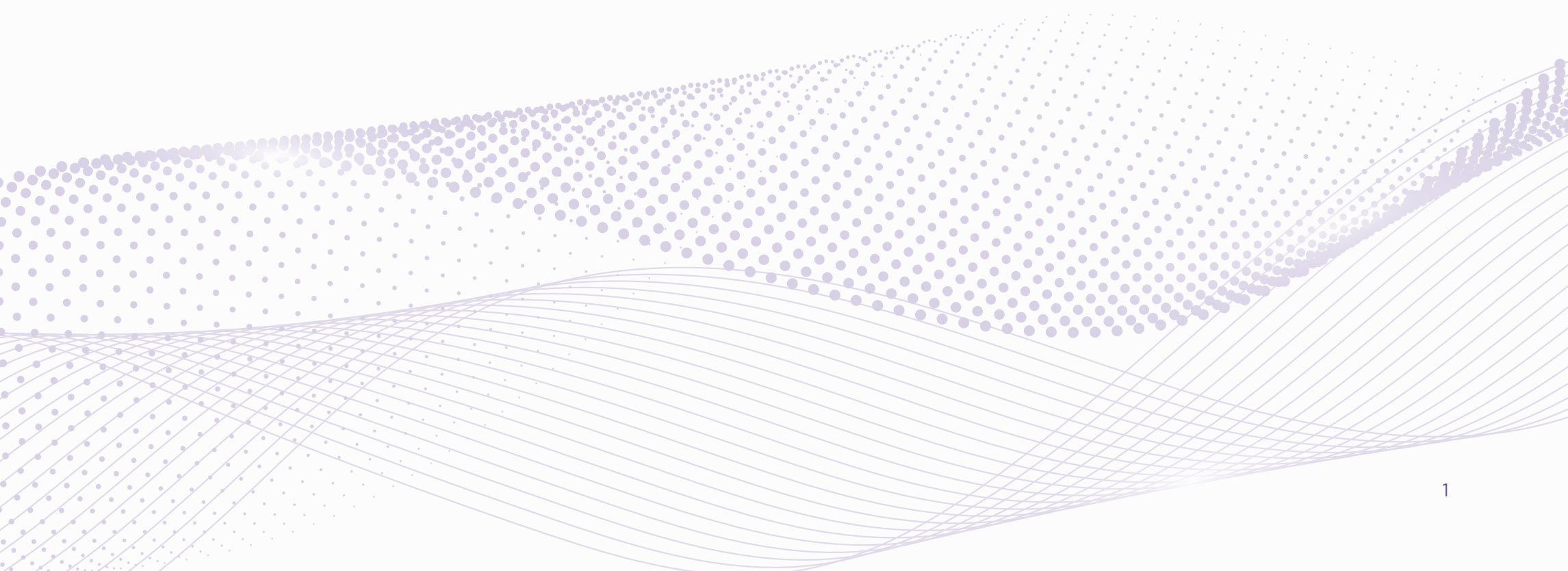
**Streamlining pathways,  
providing rapid test analysis**





At SureScreen, we believe that early, accurate diagnosis can significantly reduce the time to intervention, leading to better patient outcomes. Since our foundation in 1996, have been providing proactive, bespoke diagnostic solutions to organisations and healthcare providers.

We are an award-winning business that is known for high quality diagnostic products that meet and exceed our customer's expectations at a fair price.

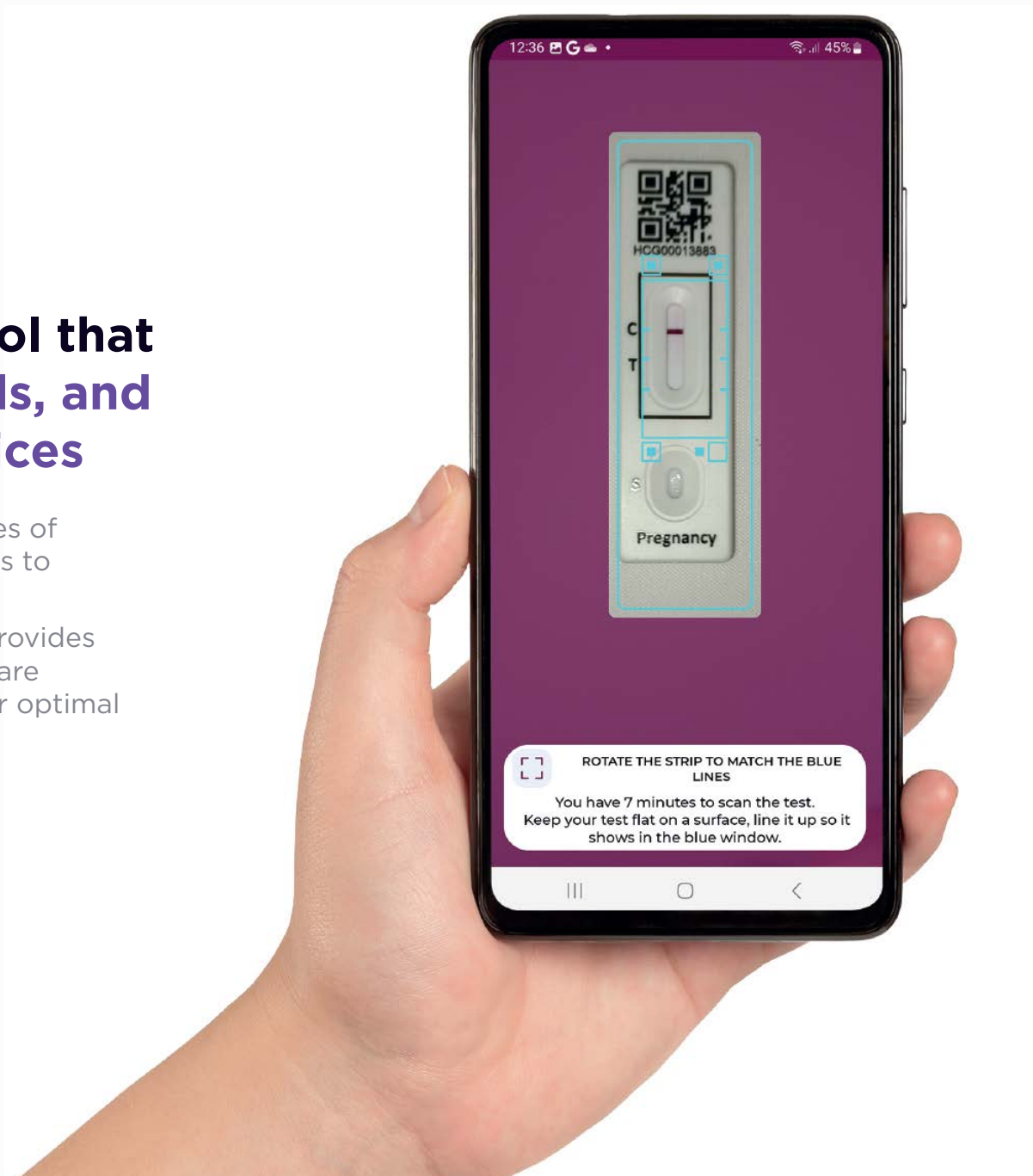




## A new digital clinical tool that accurately reads, records, and reports lateral flow devices

This digital solution optimises the processes of recording and reporting of lateral flow tests to support better patient outcomes.

SureScreen Digital Powered by TestCard provides real-time data to be evaluated and results are passed to the Electronic Patient Record for optimal clinical intervention.





## Developed in **collaboration** with **healthcare professionals**

A partnership developed between SureScreen Diagnostics and TestCard in collaboration with Guy's and St Thomas' NHS Foundation Trust (GSTT) that created a digital lateral flow reading and reporting solution.

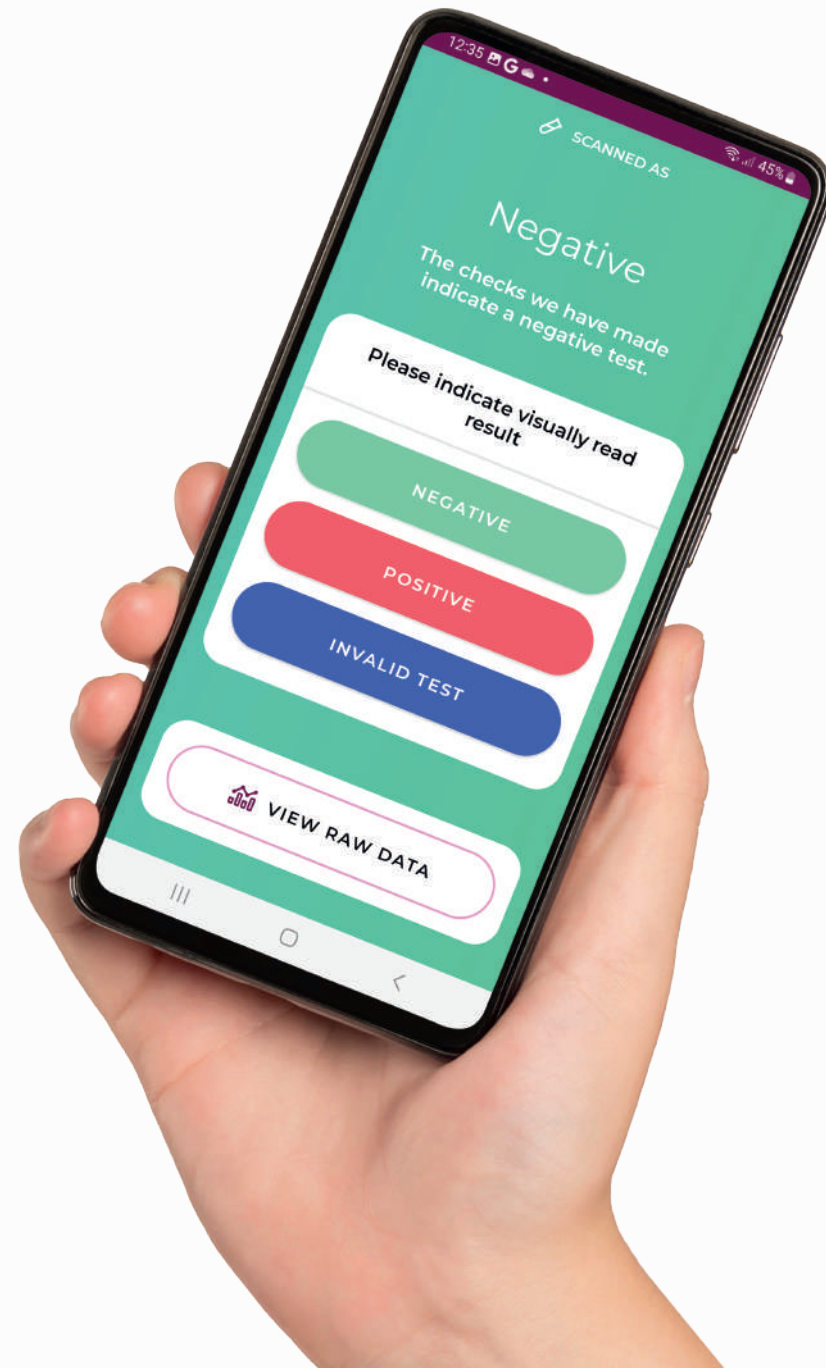


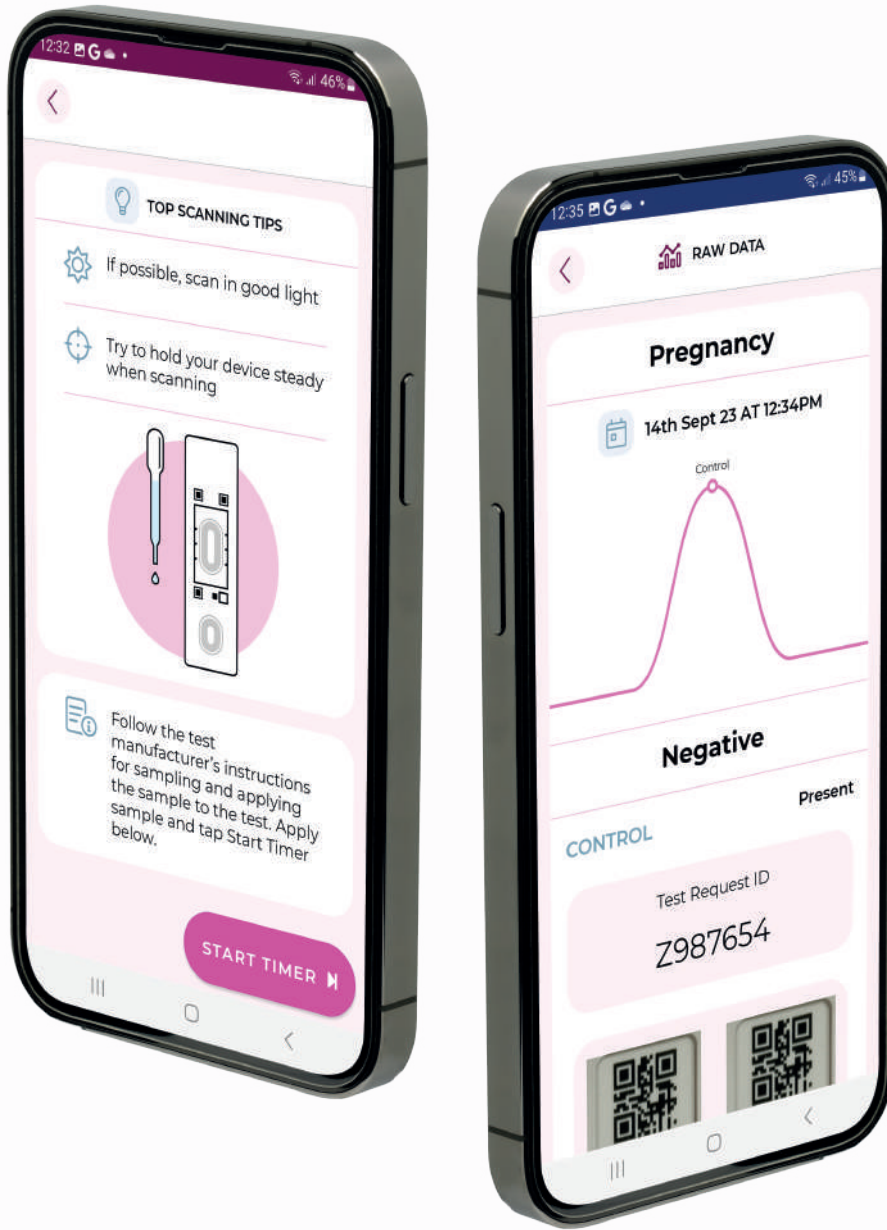
## Creating value within the NHS with SureScreen Digital Powered by TestCard

SureScreen Digital Powered by TestCard uses the imaging processing capability of a phone to scan a lateral flow device. The app automatically records positive user and patient ID, the unique cassette identifier and provides consistency in result interpretation.

Helping to build a consistent, high-quality process for internal and external auditing by extensive record-keeping and real-time data that is able to be appraised.

- Reduce error-prone manual recording through result capture and automation into the Electronic Patient Record.
- Provide cost savings in admin burden and duplicate test reduction.
- Supports test standardisation limiting user error in performing tests.





## SureScreen Digital Powered by TestCard features:

- ✓ Support for the clinician to perform the test correctly
- ✓ Computer vision analysis with the suggested result
- ✓ Instant recording of test results and image of tests into a web portal
- ✓ Comprehensive record-keeping and reporting
- ✓ Integration of results into the Electronic Patient Record

## Helps to increase the accessibility and usability of lateral flow testing

Lateral flow testing has been seen to enable improved patient flow and data assurance to help build resilience to support future long-term needs.

SureScreen Digital Powered by TestCard uses a mobile device turning it into a clinical scanner, making testing faster, easier, and affordable for healthcare professionals.

Test parameters available:

Pregnancy  
Cassettes

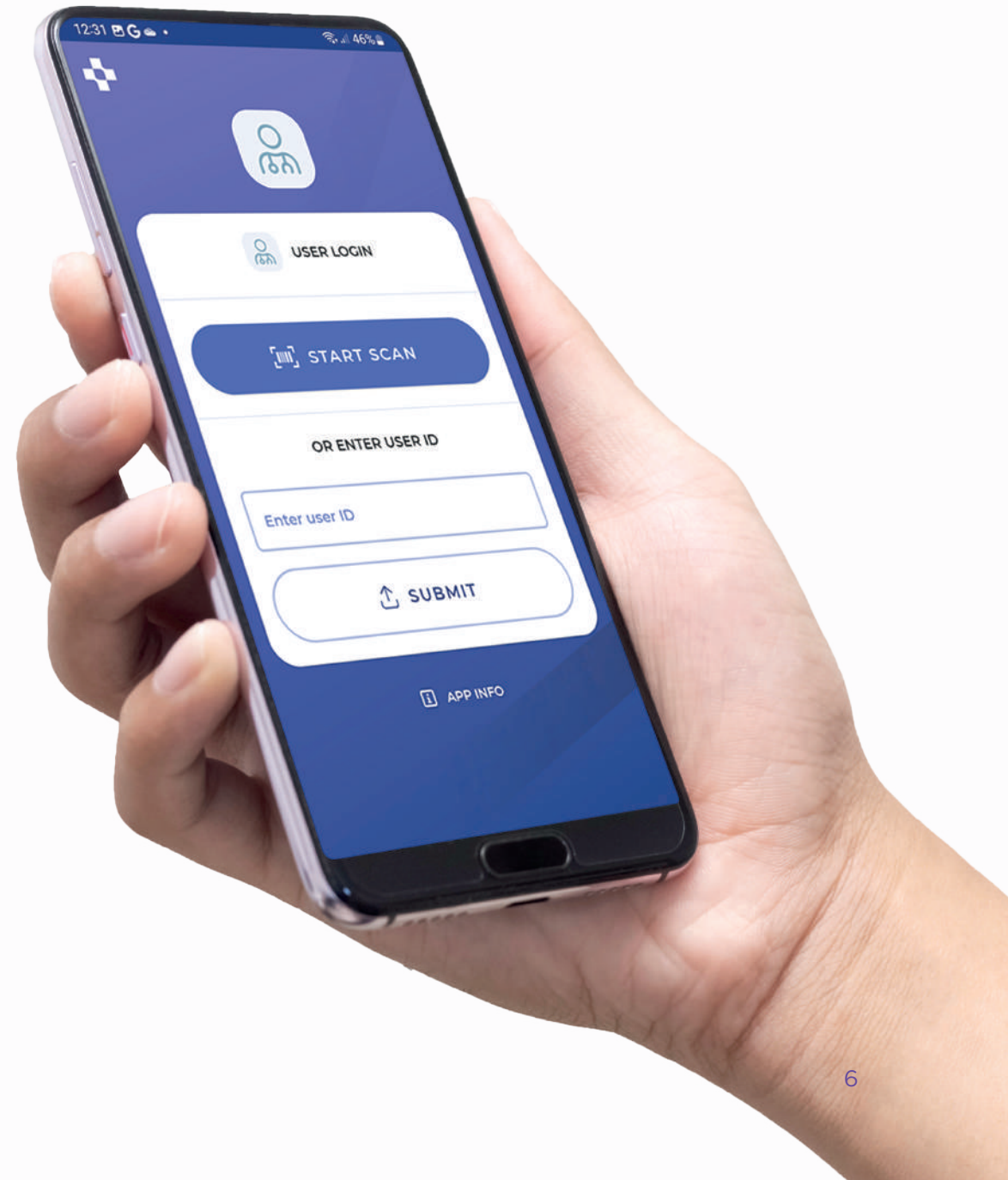
Dual Influenza and  
Covid-19 Cassettes

Covid-19  
Cassettes

Strep A  
Cassettes

RSV  
Cassettes

Bespoke  
Solutions





## 5 simple steps to using SureScreen Digital Powered by TestCard



1.

Clinician scans barcodes to identify themselves and the patient.



2.

Patient sample is taken and the test is prepared.



3.

SureScreen Digital Powered by TestCard App scans and analyses the test results.



4.

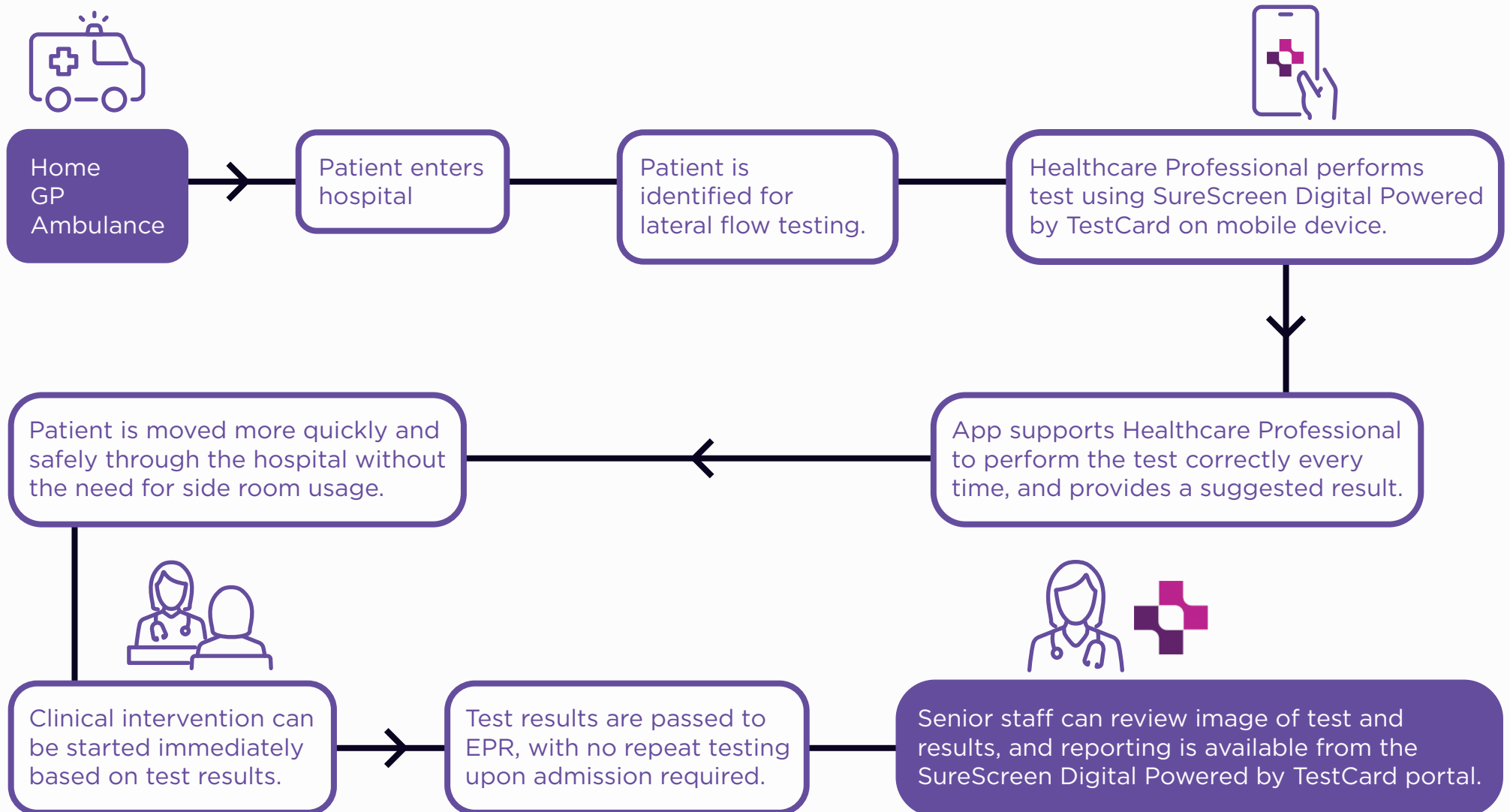
Suggested result is provided by the App and clinician confirms result.



5.

Result data is sent to the web portal and Electronic Patient Record.

## Supporting patient pathways



## Case Study

### The Problem

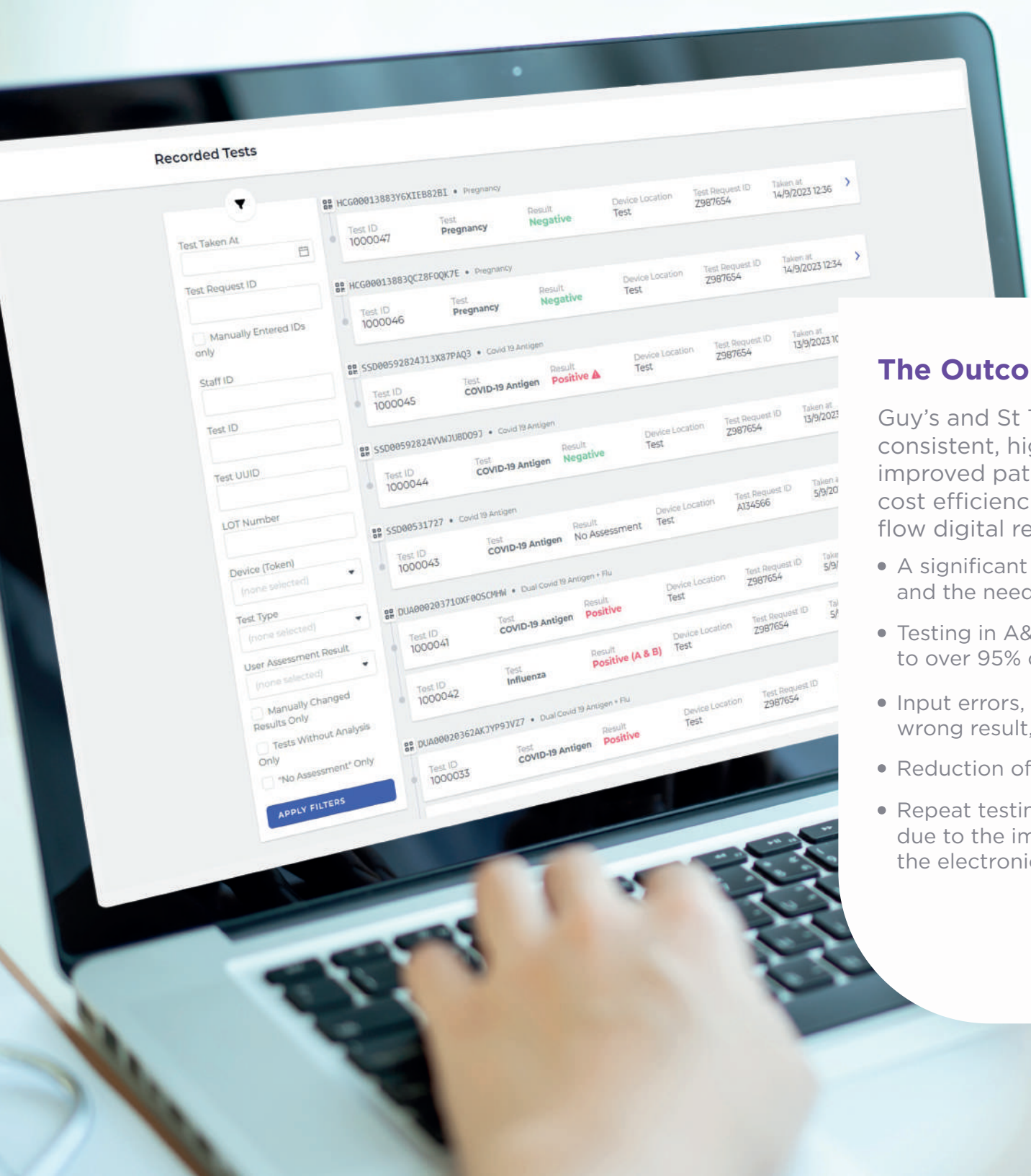
SureScreen's Lateral Flow Devices (LFD) were already being used in many areas of Guy's and St Thomas', however the absence of a mechanism to reliably govern the procedure and report results led to a "work-around" to manage the burden. This process used glucometers to manually update results to the Electronic Patient Record (EPR).

- The manual process provided very limited quality assurance.
- Once entered, the original LFD could not be viewed or results verified when discrepant results occurred.
- Extra admin support was necessary to support this manual process.
- In order for LFDs to replace PCR testing equivalently robust data capture would be required, and that could only be realistically achieved through the use of a digital reading solution.

### The Solution

The digital reader uses the image processing capability of the phone to scan the LFD cassette and automatically report the patient ID, cassette ID and provide consistency in result interpretation. In partnership with SureScreen and TestCard, Guy's and St Thomas' were able to deploy a solution that:

- Performed to a consistent and high standard.
- Can easily be deployed to meet any reporting requirements.
- Able to provide real-time data to be appraised as part of any internal or external audit reviews.
- Enabled a consistent, high-quality process, supporting improved patient flow and realising operational cost efficiencies through introduction of the digital reader application.



## The Outcome

Guy's and St Thomas' were able to build a consistent, high-quality process, supporting improved patient flow and realising operational cost efficiencies via the introduction of the lateral flow digital reader application.

- A significant reduction in overcrowding in A&E and the need for side rooms pending PCR results.
- Testing in A&E increased from 30% to over 95% of all patients attending.
- Input errors, including inputting the wrong result, decreased from 7% to 2%.
- Reduction of 2% in Covid PCR test usage.
- Repeat testing upon admission decreased 75% due to the immediate availability of results in the electronic patient record.

## Testimonials

“Traditionally, lab testing can take up to 24 hours so a patient has to remain in isolation until then. But with the app and the Dual Flu & COVID test, we can carry out the test and get results in 10 minutes, and that’s a real game-changer.”

**Dr Sam Douthwaite,**  
Consultant in the virology dept  
& service lead for Infectious  
Diseases at Guy’s and St Thomas’.

“The digital reader has enabled improved patient flow and data assurance to help build resilience to support future long-term need.”

**Dr Rahul Batra,**  
Deputy Director, Centre for  
Clinical Infection & Diagnostics  
Research at Guy’s and St Thomas’.

“Lateral flow testing provided a result at the bedside within 10 mins which, when positive for symptomatic patients, enabled movement into a COVID-19 bay without delay.”

**Dr Rahul Batra,**  
Deputy Director, Centre for  
Clinical Infection & Diagnostics  
Research at Guy’s and St Thomas’.



## Contact us

Please don't hesitate to contact our Account Management team to find out more about SureScreen Digital Powered by TestCard.

We are always happy to help, our specialist team are just a phone call or email away.

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