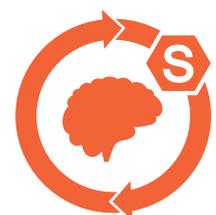# Capture**Stroke** Case Study
## Royal Cornwall Hospitals NHS Trust

*CaptureStroke has enabled the Stroke team at Royal Cornwall Hospitals NHS Trust to strengthen the quality and safety of Stroke patient care since 2014.*

Business Needs

The Royal Cornwall Hospitals NHS Trust (RCHT) is committed to ensuring care received by patients is at the forefront of medical advances and undertakes research in many clinical and specialist areas. The Trust required an interoperable, resilient, real-time and flexible Stroke specific digital solution that could be used by clinical and audit teams to monitor and enhance individual patient care promptly and safely whilst improving and refining the Stroke pathway performance.

CaptureStroke integrates with, and compliments, existing Trust systems i.e PAS, EPR etc. and is designed in conjunction with clinicians to be compliant with the NHS RightCare Stroke[i] and Best Practice pathways as well as multiple Stroke audit requirements. CaptureStroke offers mobile, real-time data entry and feedback, easy to use dashboards and detailed Trust wide reporting. This means that Stroke care teams can efficiently streamline their integrated workflows and improve the outcome for patients across the whole Stroke pathway, and in both Hyper-acute Stroke Units and follow on Stroke services.

**CaptureStroke**

**Better Information**
**Better Outcomes**

RCHT were searching for an interoperable system to collect mandatory and local Stroke data which could be easily used by clinicians and managers on a daily basis. The Trust wanted a solution to monitor and improve patient care and the efficiency of the Stroke pathway and identify any areas of practice and care that required improvement, irrespective of where the patient is situated in the hospital.

After extensive market research, testing and testimonials from other CaptureStroke users, the Trust found that there was no other product available that was so supportive to the clinicians collecting the data. The software gives visual real time feedback of care, mirrors the NHS RightCare Stroke pathway, as well as delivering SSNAP audit requirements and more.

Ease of Implementation

CaptureStroke implementation at RCHT was seamless with no disruption to Stroke care delivery. CaptureStroke's highly responsive Integration and training team visited the site and trained the clinical, audit and IT teams to ensure the system met the expectations and requirements of the Trust in time for go-live. The systems intuitive and user friendly design was really easy for staff to incorporate in their care delivery.

*"The short training session the clinicians received from the Silverlink team was enough to allow the system to go live as planned, and ongoing support was given to the team if required from local CaptureStroke champions within the IT and multidisciplinary team,"*

*- Lead Stroke Nurse, Allyson James.*

The uptake of CaptureStroke was successful with positive feedback from the IT staff, audit staff, clinicians and managers.

Audit

CaptureStroke continues into its 4th year of being used as an integral part of the Stroke patient pathway in RCHT. Audit compliance to the national database has improved to excellent and patient care has improved with the proactive use of the system, with CaptureStroke alerting staff in real-time to care that needs to be carried out in a timely way to ensure best clinical outcome.

CaptureStroke is used during medical ward rounds and MDT meetings to highlight areas of medical or therapy care that need to be addressed. At a glance the teams can see whether best practice has been achieved, and can better analyse staff activity, allowing an increase in patient contact time and improved outcomes. The data is accessible and can be acted on immediately rather than a lengthy wait for out of date reports.

CaptureStroke sources specialised data, relevant to particular pathways from the Trust's PAS system, reducing data duplication, satisfying the demands of multiple Stroke audits including the national audit for Stroke, SSNAP, and meeting the guidelines of the NHS RightCare pathway. CaptureStroke has enabled the Trust to maximise tariffs and evidence CQUIN targets as required.

*"From our research we realised that there is no other product like it on the market."*

**Dr Katja Adie,**

**Lead Consultant in Acute Stroke Royal Cornwall Hospitals Trust**

In partnership with

Royal Cornwall Hospitals **NHS**
NHS Trust

*i https://www.england.nhs.uk/rightcare/products/pathways/stroke-pathway/*

**www.capturestroke.com**

## Overall Benefits

Clinicians using CaptureStroke have become more engaged with the Royal College of Physicians' guidelines for Stroke, resulting in a greater awareness of the targets that must be met for patients ensuring good clinical time management. There has been increasing awareness of specific aspects of care that must be delivered within tight timescales in order to improve outcomes, such as swallow screening and therapy targets.

Time and Resource Management using CaptureStroke has dramatically reduced the use of paper in the Trust as well as the costs associated with data collection and reporting.

Stroke administration staff have reduced audit time by at least 10 hours a week. Using CaptureStroke, every discipline can focus on important aspects of Stroke care. Clinical teams can now spend more time in contact with patients and less time completing audit tasks.

*"We find CaptureStroke extremely beneficial to supporting the care given to our Stroke patients and the majority of our data entry is performed by clinicians and is as real-time as possible The information system supplies both to the service and the wider Trust and is now accepted as an accurate reflection of the service being delivered (which in itself is a major cultural achievement) and has directly facilitated the approval of business cases leading to improvements in service delivery.*

*CaptureStroke data is now directly fed onto the Trust's information data warehouse and dashboards of all key metrics and current performance are visible to all stakeholders and senior management/board. Although not a clinician myself I believe that the software and its use is completely embedded in the delivery of care and there is a feeling that the system is now part of the glue that holds the service together."*

*- Richard Barrett, Cardiac / Stroke Information Systems Administrator, RCHT.*
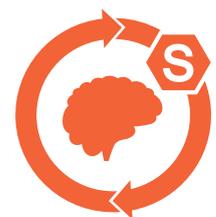
CaptureStroke delivers greater visibility of patient care at every point of the Stroke pathway; real-time at the bed-side alerts and dashboards, user defined reports, whole Stroke service overviews irrespective of the patient's location within the hospital, highlights particular targets that are being missed and why, and enables easy to upload to SSNAP for national reporting.

At RCHT, CaptureStroke has improved audit compliance and patient care; supported pathway improvement, has saved clinician time and increased their awareness of Stroke specific care. Overall this is a system that does a great deal more to support the team and its Stroke patient care than simply collect data!

*"With CaptureStroke we can immediately see how the service is performing against the National Guidelines and target of 45 minutes of relevant therapy per profession."*

**Amanda Hulbert,**

**Clinical Lead Physiotherapist of Early Supported Discharge Team for Stroke at RCHT**

**CaptureStroke**

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