



# Cumbria & Lancashire Stroke Network and NCUH Host Provider

the power of collaboration and cooperation to  
improve patient care

*“if 10% of acute stroke patients were to receive thrombolysis over 1000 people per year would regain independence” National Strategy for Stroke*

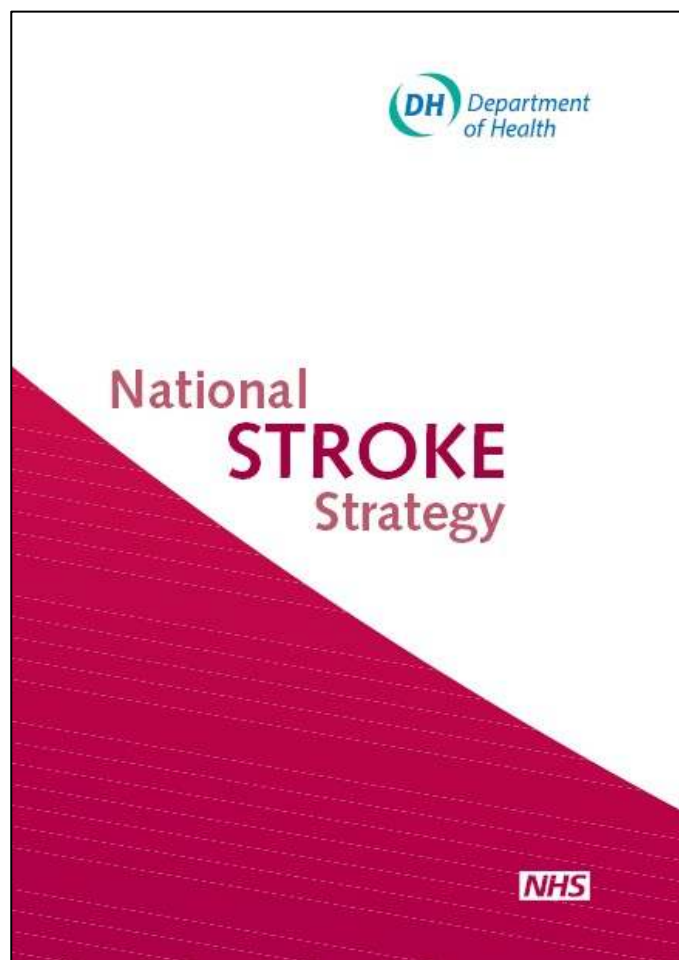
# Project Background

- Awarded £250 k from NW Innovate Now
- Support of 18 clinicians (stroke and neurology)
- Lead Commissioner NHS Central Lancashire
- Lead Provider North Cumbria University Hospitals NHS Trust
- Accepted as National Technology Adoption Hub project
- £300k ASTUTE research project with UCLan
- Currently tendering for supplier



## Stroke in Lancashire & Cumbria

# National Stroke Strategy



# Current Network position

- Population 1.96 million
- 8 acute sites receiving stroke patients
- Over 4000 strokes a year
- 10% potentially could be thrombolysed (SITSMOST)
- Last year xx patients thrombolysed
- All acute sites now have 9-5 services (except Chorley)

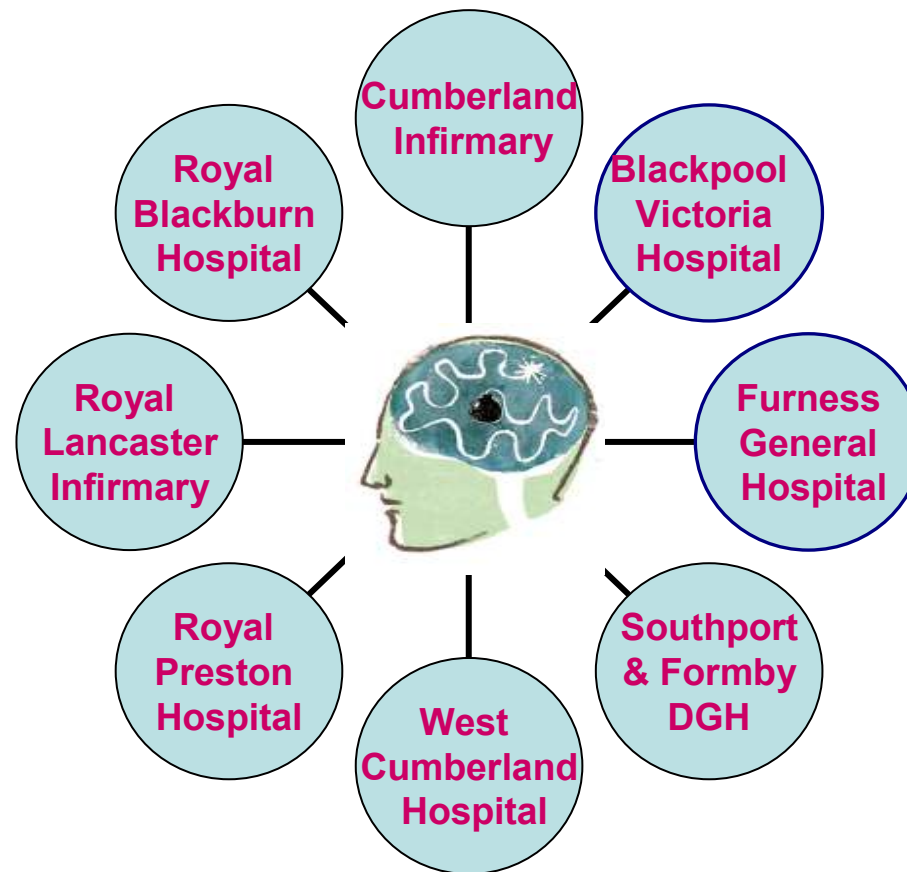
# Options considered for 24/7 thrombolysis delivery

- Status quo
- Hub and spoke
- Hybrid
- Outsourcing

# Telestroke Concept

- Virtual rotating hub of stroke physicians with business broadband capability at home
- Out of hours solution to catch the 60% of patients missed by 9-5 services
- Combination of remote teleconsultation and teleradiology
- Virtually all patients will present 6am - 11pm

# Service Model





# Typical Telestroke pathway

- NWS pre alert hospital for + FAST
- ED assessment using ROSIER
- CT scan and report...
- Stroke physician at home
- Support to local stroke teams
- Diagnosis, decision and prescription of thrombolysis

## NCUH ‘The Host Provider’

- Working in collaboration with Network team
- Clinical model
- Governance framework
- Operational delivery – rota coordination
- Commissioning framework
- Procurement
- Local pilot
- Roll out.....

## Telecart Example



## Video Devices and/or Laptops



Laptop Web Cam



HD VC/Laptop Screen

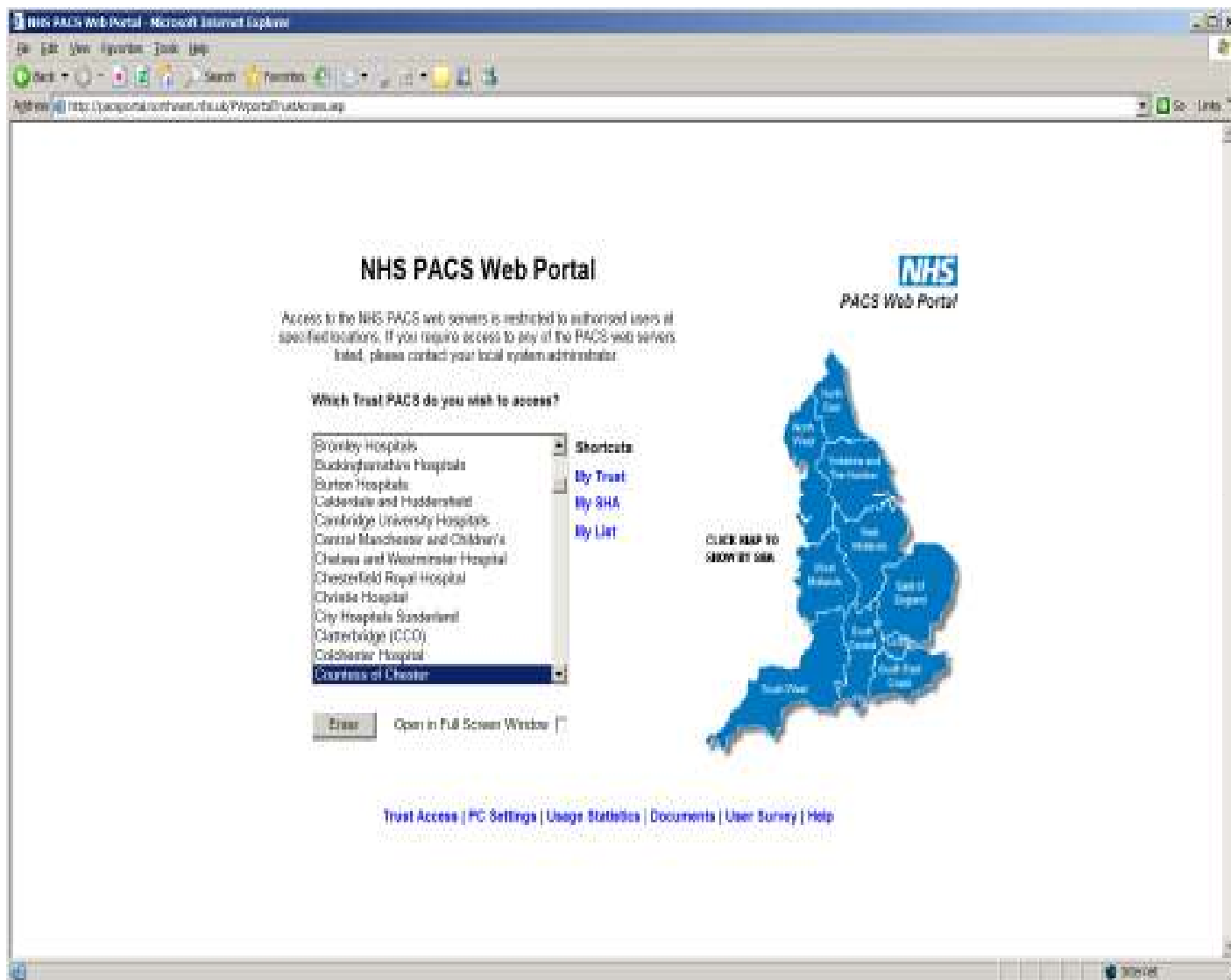


HD VC Device for PC/laptop



Laptop Web Cam

# NHS PACS Web Portal



The screenshot shows a web browser window titled "NHS PACS Web Portal - Microsoft Internet Explorer". The address bar shows the URL: <http://pacsportal.northcumbria.nhs.uk/PWportalTrustAccess.asp>.

The main content area features the title "NHS PACS Web Portal" and a message: "Access to the NHS PACS web servers is restricted to authorized users at specified locations. If you require access to any of the PACS web servers listed, please contact your local system administrator."

Below the message is a section titled "Which Trust PACS do you wish to access?" containing a list of hospital trusts:

- Bromley Hospitals
- Buckinghamshire Hospitals
- Burton Hospitals
- Calderdale and Huddersfield
- Cambridge University Hospitals
- Central Manchester and Children's
- Chelsea and Westminster Hospital
- Chesterfield Royal Hospital
- Chelms Hospital
- City Hospitals Sunderland
- Clatterbridge (CCO)
- Colchester Hospital
- Countess of Chester

To the right of the list are links for "Shortcuts", "My Trust", "My SHA", and "My List". Below the list is a button labeled "Enter" and a checkbox for "Open in Full Screen Window".

On the right side of the page, there is a map of the United Kingdom with a blue overlay representing the North Cumbria region. Above the map is the NHS logo and the text "PACS Web Portal". Below the map is the text "CLICK HERE TO SIGN UP NOW".

At the bottom of the page, there is a navigation menu with links: "Trust Access | PC Settings | Usage Statistics | Documents | User Survey | Help".

# Key Risks

- Complexity of project
- Impact on OOH radiology services
- Reporting of CT scans
- Medical workforce – training & job planning
- Logistics, procurement, training, operational management
- Cross organisational governance

# Work to be done

- Appointment of supplier
- Training of Staff
- Raising awareness of stroke as a medical emergency (patient, public, GP, NWSAS, ED, Imaging)
- Support local imaging departments to work with local stroke teams
- Local implementation teams to be set up to work with suppliers, IT, ED, Imaging, Stroke services, Stroke Network

# Work to be done

- Contracts, job planning, rotas
- Policy development, governance process
- Publicity
- Launch – likely to be January 2011



# Future

- NHSNW largest innovation project – high profile!
- National exhibition March 2011
- National DH prize for improving Stroke care
- Approach extended to support NCUH cross site delivery of specialist OOH services
- Extend to community hospitals?