

National Clinical Audit and Patient Outcomes Programme Project Summary

National Sentinel Stroke Audit

Purpose

- To audit against the National Clinical Guidelines for Stroke
- To enable Trusts to benchmark the quality of their stroke services nationally and regionally
- To measure the rate of changes in stroke service organisation and quality of care for stroke patients since the National Audit Office Report
- To measure the extent to which the recommendations made in the 2006 national sentinel audit have been implemented.

Methodology

A web based data collection tool is accessed via a password protected login. Sites can export their own data once completed and locked. The data are then exported into SPSS and analysed centrally by the statisticians.

Key Quality Indicators

The 9 key clinical standards are as follows:

- Patients treated for 90% of stay in a Stroke Unit
- Screening for swallowing disorders within 24 hours of admission
- Brain scan within 24 hours of stroke
- Commenced aspirin by 48 hours of admission
- Physiotherapy assessment within first 72 hours of admission
- Assessment by an Occupational Therapist within 4 working days of admission
- Patient weighed at least once during admission
- Mood assessed by discharge
- Rehabilitation goals agreed by the multi-disciplinary team
- The "bundle of care" ie the number of applicable patients who received all 9 indicators.

Overall position in 2008

Overall position in 2006

The key organisational audit standards are:

- Number of Acute Stroke Units
- Number of Rehabilitation Stroke Units
- Number of Combined Stroke Units
- Number of SUTC key stroke unit features (max 5)
- Number of ASUs at this site with all five acute criteria
- Number of CSUs at this site with all five acute criteria

- Specialist Community / Domiciliary Rehab Team
- Team staffed by stroke or neurological specialists
- Early Supported Discharge Team
- Thrombolysis service either on site or a formal arrangement with another site
- Average CT scan waiting time weekdays
- Average CT scan waiting time weekends
- Average MRI scan waiting time weekdays
- Average MRI scan waiting time weekends
- Neurovascular clinic
- TIA service
- Neurovascular clinic average waiting time
- All high risk TIA patients seen and investigated within 24 hours
- All low risk TIA patients seen and investigated within one week
- Patient / carer views sought on service
- Report produced within 12 months analysing patient / carer views

Overall position in 2008

Overall position in 2006

Data Collection Schedule

Data collection for Round 6 is now complete.

Round 7 (dependent on funding) will commence in April 2010 (organisational audit) and clinical audit data collection October and November 2010 based on patients admitted between 1st April 2010 and 30th June 2010

Is the Audit Process or Outcome focused?

The audit is both process and organisation

Who is involved in the audit?

The main contractor is the Clinical Standards Department at the Royal College of Physicians
The professional bodies and patient groups are, as follows:

Membership of Intercollegiate Working Party for Stroke during Round 6 of Sentinel Stroke Audit

- Chair: Dr Anthony Rudd, Consultant Stroke Physician, St Thomas' Hospital London
- ACPIN: Mrs Nicola Hancock, Post-graduate Research Student, University of East Anglia
- AGILE: Mrs Christine Fitzpatrick, Superintendent Physiotherapist (Retired)
- AGILE: Miss Louise Briggs, Consultant Physiotherapist, St George's Hospital London
- Association of British Neurologists: Dr Gavin Young, Consultant Neurologist, The James Cook University Hospital
- British Association of Social Workers: Professor Jill Manthorpe, Professor of Social Work, King's College London
- British Association of Stroke Physicians: Dr Neil Baldwin, Consultant Stroke Physician, North Bristol NHS Trust
- British Association of Stroke Physicians: Dr Peter Humphrey, Consultant Neurologist, Walton Centre for Neurology & Neurosurgery

- British Dietetic Association: Ms Muriel Gall, Senior Dietician, Dartford and Gravesham NHS Trust
- British Geriatrics Society: Professor Helen Rodgers, Professor of Stroke Care, Newcastle University
- British Primary Care Neurology Society: Dr Helen Hosker, Clinical Commissioning Lead for Stroke, NHS Manchester
- British Psychological Society: Dr Peter Knapp, Lecturer, University of Leeds
- British Psychological Society: Dr Audrey Bowen, Senior Lecturer in Psychology, University of Manchester
- British Society of Neuroradiologists: Dr Andrew Clifton, Interventional Neuroradiologist, St George's Healthcare NHS Trust
- Chartered Society of Physiotherapy: Dr Sheila Lennon, Lecturer in Physiotherapy, University of Ulster
- College of Occupational Therapists and Special Section Neurological Practice: Dr Judi Edmans, Senior Research Fellow, University of Nottingham
- College of Occupational Therapists and Special Section Neurological Practice: Dr Avril Drummond, Associate Professor in Rehabilitation and Deputy Director Trent Local Network for Stroke, University of Nottingham
- Connecting for Health: Dr Helen Newton, Lead Consultant for Stroke, Swindon and Marlborough NHS Trust
- Faculty of Public Health: Professor Charles Wolfe, Department of Public Health Medicine, King's College London
- Patient Representative: Mr Alan Bowmaster
- Qualitative Research Advice: Dr Chris McKeivitt, Senior Research Fellow, King's College London
- Royal College of Nursing: Mr Stephen Cross, Stroke Services Manager, Tameside and Glossop PCT
- Royal College of Nursing: Ms Amanda Jones, Stroke Nurse Consultant, Sheffield Teaching Hospitals NHS Foundation Trust
- Royal College of Nursing: Dr Lin Perry, Senior Research Fellow for Cardiovascular Disease and Stroke, Newcastle Institute of Public Health/Hunter Medical Research Institute, Australia
- Royal College of Physicians: Professor Martin M Brown, Professor of Stroke Medicine, UCL Institute of Neurology, The National Hospital for Neurology and Neurosurgery, Queen Square, London
- Royal College of Radiologists: Dr Philip White, Consultant Interventional Neuroradiologist, Western General Hospital, Edinburgh
- Royal College of Speech & Language Therapists: Ms Kim Clarke, Head of Department and Acute Services Lead, North Bristol NHS Trust
- Royal College of Speech & Language Therapists: Ms Rosemary Cunningham, Speech & Language Therapist, Derbyshire Royal Infirmary
- Royal Pharmaceutical Society: Mr Derek Taylor, Deputy Chief Pharmacist, Broadgreen Hospital, Liverpool
- Society for Research in Rehabilitation: Professor Derick Wade, Consultant Neurologist, The Oxford Centre for Enablement
- Speakability: Ms Melanie Derbyshire, Chief Executive, Speakability (previously Action for Dysphasic Adults)
- Stroke Association: Mr Jon Barrick, Chief Executive, Stroke Association
- Stroke Association: Mr Joe Korner, Director of Communications, Stroke Association

- The Cochrane Stroke Group: Professor Peter Langhorne, Professor of Stroke Care, University of Glasgow
- UK Swallowing Research Group: Dr Maxine Power, Associate Director of Quality Improvement, Salford Royal NHS Foundation Trust
- Welsh Stroke Physicians: Dr Anne Freeman, Consultant Stroke Physician, Royal Gwent Hospital, Wales

Main stakeholders

See above.

The audit is multi-professional including medical specialists in stroke: stroke physicians, A&E staff, radiology, care of the elderly, nurses, therapists, psychologists and other groups treating stroke patients, managers, clinical audit leads and patients.

Reports are produced for Strategic Health Authorities and Stroke Improvement Networks.

More information: <http://www.rcplondon.ac.uk/clinical-standards/ceeu/Current-work/stroke/Pages/Audit.aspx>