Neuro LTC Programme

Wessex Neurology Intelligence Report
Grand Harbour Hotel, Southampton,
Tuesday 19 April

Dr Christopher Kipps
Context

- Risk stratification and critical events understanding in neurological pathways to better match need with support and resources

- National Neurology Community Collaborative

- New models care: 5 year forward view; STP
Programme Vision

The vision of the Neuro LTC Programme is to;

• “Improve the understanding of disease-specific critical events and patients’ post-diagnostic needs so that the right resources and interventions can be provided at the right time and in the right place to best assist them.”

• Identify available neurological resources across Wessex to facilitate neurological conditions management and resource access.
Case for Change

- 10 million people
- 20% of acute hospital admissions
- Third most common reason for seeing a GP
- Admissions up by 50% in the last 5 years

Overall spend in Wessex

- £50M in 2009-10 increasing to £73M in 2013-14

But we are blind…

Limited by inadequate data and knowledge = poor outcome

This Programme will address these issues and will be an enabler for a series of quality improvement measures
Benefits of the Programme

- Improved knowledge of clinical events driving service need
- Better outcome indicators to optimise resources
- Enhanced self management
- Enhanced early warning mechanisms
- Better matching of needs with professional skill-sets
Programme Objectives

The specific objectives of the Programme are:

1. **Identify critical events in major neurological pathways that influence care requirements**
2. **Identify (and suggest development of) metrics for measuring clinically and patient relevant outcomes in community neurological care**
3. **Risk-stratify individuals to better match to available care resources and community intervention**
4. **Identify available neurological resources across Wessex to facilitate neurological conditions management and resource access**

Multiple Sclerosis
Parkinson's disease
Epilepsy
Motor Neurone Disease
Huntington's disease
Work Package 1 - Background Analysis

- Data source identification
- Background analysis of burden of neurological conditions including:
  - hospital admissions,
  - cost and co-morbidity
  - Hospital Episodes Statistics (HES)
  - Neuro Intelligence Network (NIN)
  - Hampshire Health Record (HHR)
Work Package 2 - Critical Events Identification

Identify clinical and other events in neurological pathways that modify community care requirements and determine importance to QoL through;

- **Patient Groups**
- **Clinician Groups**
- **Clinical audit:** Identify events from audit and HHR data influencing neurological pathways in agreed conditions
Work package 3 - Risk stratification tool (cluster scoring matrix)

- Identify and develop domains and intensity categories
- Develop risk-based stratification tool (cluster scoring matrix)
- Match clinical skillsets across a range of clinicians
Work Package 4 - **Neuro LTC Study**

- Develop protocol for neurological long-term conditions study to: validate data items; improve prediction of critical events; identify important clinical and patient-related outcomes (PROMS).

- Development of neurological disease register to map outcomes of relevance to individuals and clinicians.
Work Package 5 - **NeuroLine**

- Development of web-based repository of neurological services across Wessex (NeuroLine)
- May include link to NeuroLTC study (disease register)
Work package 6 - Link and development to Wessex Community Neurology Collaborative

- Link Programme to national work in progress with Community Neurology Collaborative (SCN)
- Support for ongoing National Collaborative work including pilots
Programme Milestones

**Governance and PM**
- Steering Group
- Steering Group
- Steering Group
- Steering Group
- Steering Group
- Steering Group

**Background Analysis**
- Launch of Wessex Intel report
- Literature synthesis complete

**Critical Events Identification**
- Methodology agreed
- Protocol submitted
- Focus Groups
- Analysis complete
- Burden of care factors identified

**Risk Stratification tool**
- Develop prototype cluster scoring matrix
- Tool Development
- Report Drafting
- Present report findings

**NeuroLTC Study**
- Protocol Submitted
- Development of disease register
- Disease register

**NeuroLine**
- Data Collation
- Website build & test
- NeuroLine Launch

**Wessex Community Neurology Collaborative**
- National Neurology Collaborative Report

We are here

Key Activity

March - May  | June - August | Sept - Nov | Dec - Feb | March - April 2017 | May - June 2017