



CLAHRC Wessex

Collaboration for Leadership in Applied  
Health Research and Care

**NHS**

*National Institute for  
Health Research*

# Neuro LTC Programme

**Wessex Neurology Intelligence Report**

Grand Harbour Hotel, Southampton,

Tuesday 19 April

Dr Christopher Kipps

UNIVERSITY OF  
**Southampton**

**NHS**

Wessex  
Strategic Clinical Networks

# 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

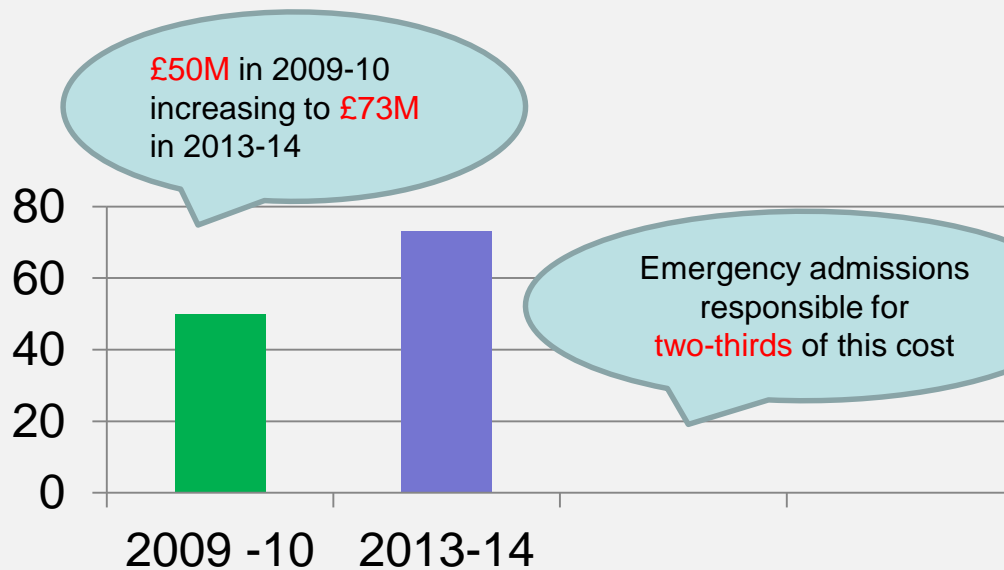


*But we are blind...*

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

## Overall spend in Wessex



# 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**

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- 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)

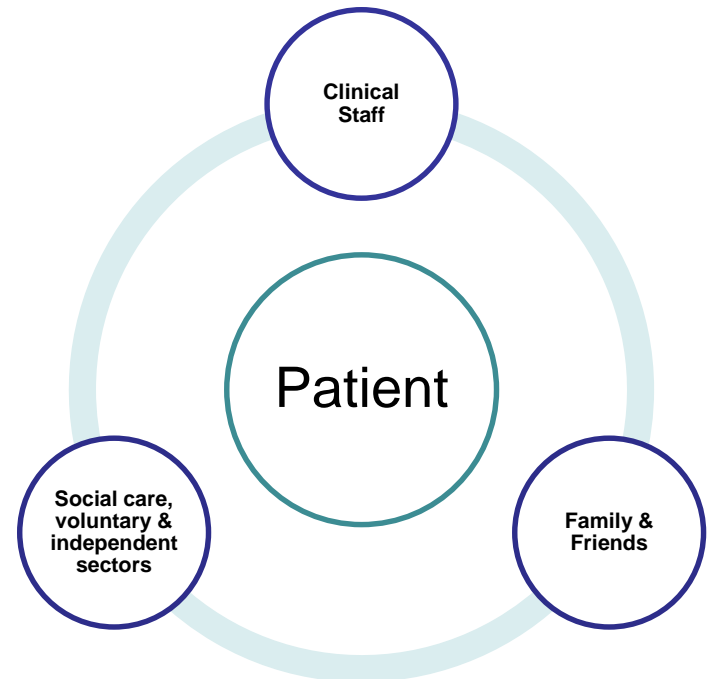


19<sup>th</sup> APRIL  
SOUTHAMPTON

# Work Package 2 - Critical Events Identification

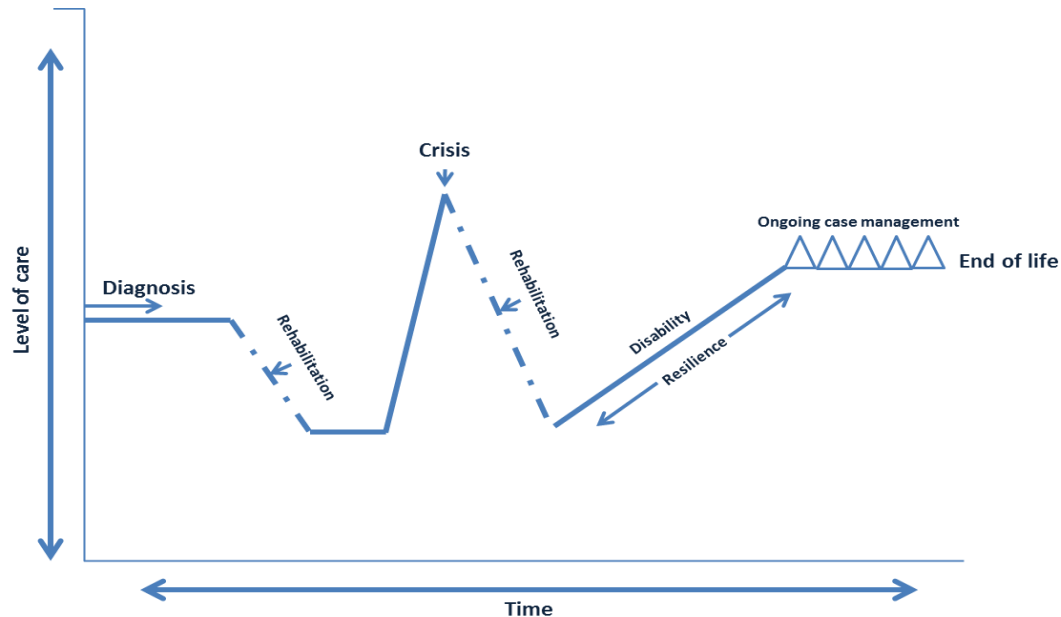
Identify clinical and other events in neurological pathways that modify community care requirements and determine importance to QoL through;

- ***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

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- 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

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- Development of web-based repository of neurological services across Wessex (NeuroLine)
- May include link to NeuroLTC study (disease register)

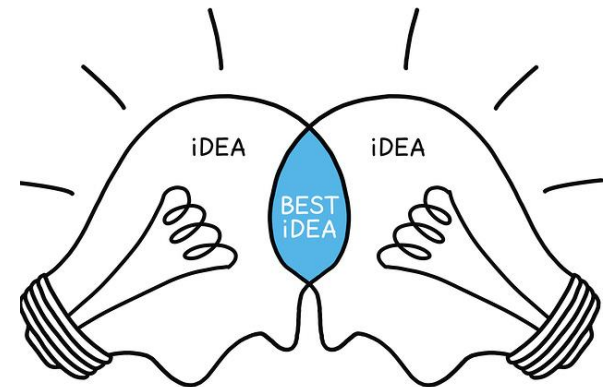


Wessex Health Lines

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# 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

We are here

Key Activity

