Understanding and improving outcomes for people with Parkinson's Disease in the general hospital – Project update April 2023.

We have collated and analysed data from 1157 hospital admissions of people with dementia. Analysis has been completed by our research fellow and we are currently writing two articles for publication.

The first of these articles is nearing completion and is titled: "Predictors of negative outcomes in people with Parkinson's disease admitted to the general hospitals."

The paper describes the outcomes of people with PD admitted to a large teaching hospital over a 2 year period including; length of stay, mortality, change in social care needs from admission to discharge and readmission within 90 days. It then compares the outcomes for patients by age, PD severity, comorbidity (including dementia) the reason for admission and the speciality admitted to (e.g. acute medicine, orthopaedics).

The second article is titled: "Predictors of adverse in hospital events for people with Parkinson's disease."

This paper describes the rates of falls, in hospital fractures, medication errors and hospital acquired infections in people admitted to hospital with Parkinson's disease. Using regression analysis we then examine the relationship between the adverse event and admission characteristics.

We are aiming to submit these articles for review in the journal "Movement Disorders" in the coming months. We will also be submitting abstracts to the following conferences:

- International Movement Disorder Society.
- Association of British Neurologists.

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