Delivering value based healthcare

Measuring outcomes that matter to patients:
Enhancing clinical management of non-motor symptom burden in Parkinson's Disease.

The challenge
Non-motor symptoms are a key determinant of quality of life for patients with Parkinson's Disease.
• Parkinson's Disease is the second most common neurodegenerative disorder affecting more than 125,000 people in the UK, and one in 50 over 80 years-of-age
• Studies show that non-motor symptoms are a key determinant of quality of life for patients with Parkinson's Disease
• Studies further find that non-motor symptoms are often not recognised and poorly treated.

Our intervention
Our researchers developed the first patient-reported questionnaires that allow clear documentation of different non-motor symptoms.
• Non-motor Symptoms Questionnaire (NMSQuest) was the first ever patient-screening tool to assess common Parkinson's Disease non-motor symptoms
• The Non-motor Symptoms Scale (NMSS) was developed to provide a measure of non-motor symptom severity. It provides a key predictor of health-related quality of life
• The Parkinson's Disease Sleep Scale (PDSS) and the PDSS-2, developed in 2002 and 2011 respectively, help address mild-moderate sleep disturbances experienced by Parkinson's Disease patients
• The Kings Parkinson's Pain Scale (KPPS) was developed for the management of severe pain in Parkinson's disease- a key unmet need.

Our impact
NMSS is now used worldwide for cutting-edge clinical trials and patients feel empowered to report non-motor symptoms and receive appropriate treatment.
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• NMSQuest is recommended by foremost patient charities and societies across the world including, reference in ICHOM (International Consortium for Health Outcomes Measurement)
• Patients are empowered to report non-motor symptoms and receive appropriate treatments, leading to implementation of patient outcome-based policy-making in England and internationally
• PDSS and KPPS were recommended by a taskforce from the Movement Disorders Society for worldwide use, with 671 articles currently in Pubmed using PDSS.