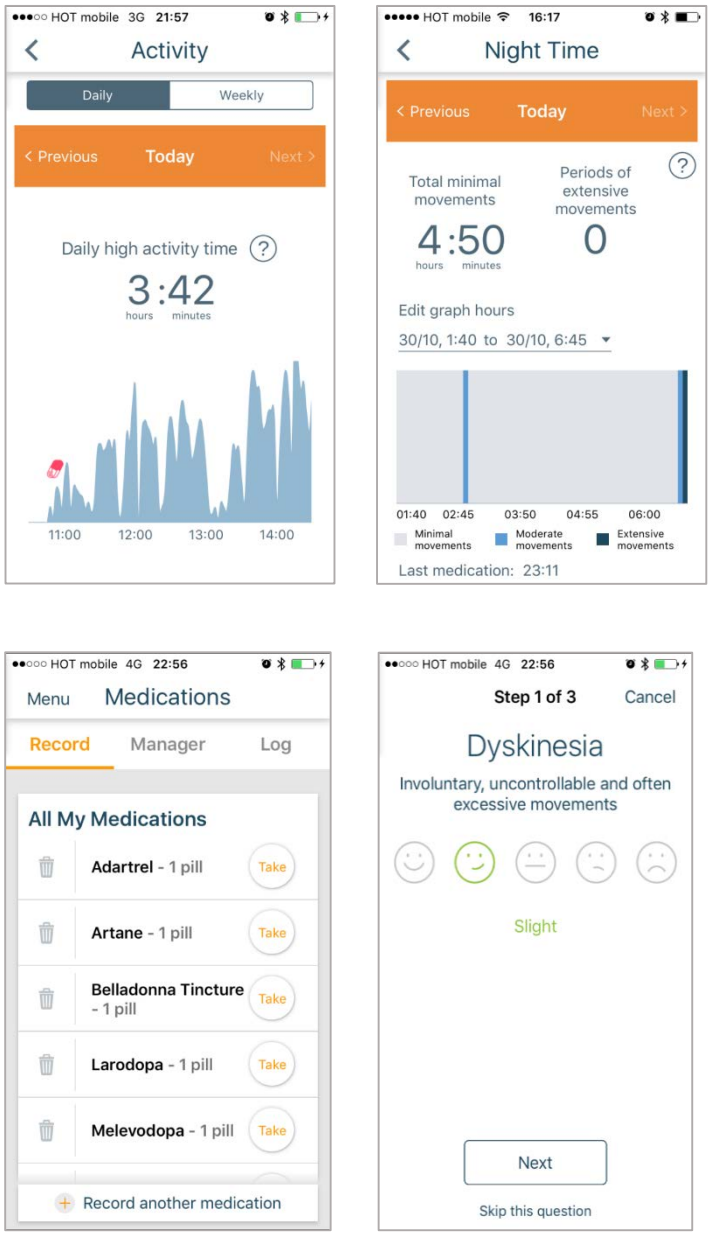
SUPPLEMENTARY TABLES AND FIGURES

- Supplementary Figure 1. Screen Shots of the *Fox Wearable Companion* mobile phone app as seen by PD patients
- Supplementary Table 1. Summary of Clinician Feedback for Dashboard Improvements obtained from Focus Group Sessions

Supplementary Figure 1. Screen Shots of the *Fox Wearable Companion* mobile phone app as seen by PD patients



Supplementary Figure 1 Figure Legend: Screen shots of the App as seen by PD patients on their smartphone: Daily activity time, Periods of extensive, night time movements, Medication intake, and Dyskinesia severity.

Supplementary Table 1. Summary of Clinician Feedback for Dashboard Improvements obtained from Focus Group Sessions

Activity Level Data Display (Sensor-Derived)
- Utility in overlay of PRO reports (symptom reporting and medication intake) on intra-day activity level - Utility in both high-level metrics on minutes of different activity levels in a day as well as a more granular minute-by-minute visual of activity level throughout a day.
Sleep Activity Data Display (Sensor-Derived)
- Need for patient reporting of sleep hours or use of algorithm to identify waking and sleeping hours.
Symptom Reporting Data Display (PROs)
- Utility in inter- and intra-day visuals of symptom reporting. - Need for distinction between symptom report of 0 (zero, no symptom occurring) and missing report from patient. - Utility in overlay of medication intake for intra-day symptoms reporting. - Need for pop-up reminders for symptoms reporting.
Medication Intake Data Display (PROs)
- Need for patients to be able to edit medication intake in-app to ensure accuracy. - Utility of clear Y-axis (axis showing hours of day) to ensure visual on hours of medication intake is clear for determining medication compliance.
ON/OFF Diary Data Display (PROs)
- Utility of clear Y-axis (axis showing hours of day) to ensure visual on hours of diary reporting is clear for determining ON/OFF time and symptoms. - Utility in overlay of medication intake for contextualizing ON/OFF time and symptoms.
General (Across All Data Displays)
- Need for automatically adjusted time zone for location of participants and sites. - Need for graph titles and descriptions to include clear information on HOW data is determined (PRO or sensor-derived, if sensor-derived, what metrics go into calculating) to ensure clinician decision making is informed. - Utility in including non-motor symptoms in symptoms reporting. - Utility in color-coding of medication intake markings for different classes of medications (e.g. dopamine agonists, etc). - Utility in single visual with all data overlaid to provide “full” picture.