

Development of an Integrated Electronic Platform for ADHD Medication Initiation in Child and Adolescent Mental Health Services

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Introduction

Attention deficit hyperactivity disorder (ADHD) is a neurodevelopmental condition characterized by impulsivity, inattention, and hyperactivity.

Local pre-existing practice for medication initiation was to counsel families as a group over Zoom, or in one-to-one clinic appointments.

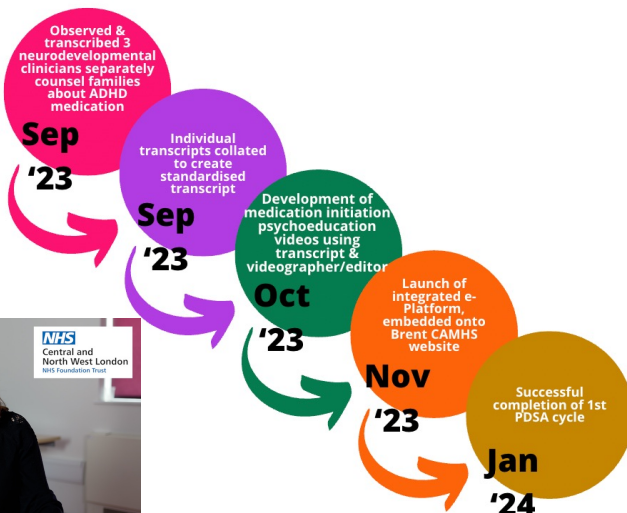
However, the time-to-treatment initiation was **3 months***.¹ Furthermore, despite NICE recommendation for medication, **only 64%** of children & young people were started on medication*.

*Local Brent CAMHS data: Nov '22 – Nov '23

Aims

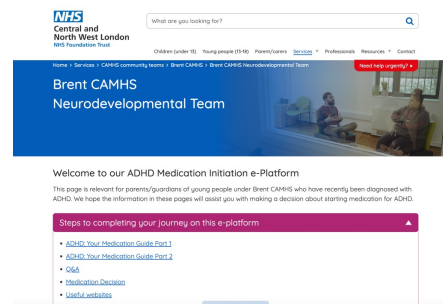
1. To develop an e-Platform for ADHD medication initiation by November 2023
2. Using the e-Platform: to demonstrate decreased time-to-treatment initiation (TTI) by February 2024
3. Using the e-Platform: to increase the proportion of patients with ADHD initiated on medication (when appropriate) by February 2024

Methods



The e-Platform features:

- **Medication Initiation Psychoeducation Videos** featuring neurodevelopmental team (NDT) clinicians
- **Q&A, Medication Decision section** (where parents submit an e-form indicating their choice) & **Useful Websites section**



A Quality Improvement Project (QIP) was performed alongside with *little i* involvement to measure the following outcomes:

- **Time-to-Treatment Initiation**
- **Proportion of Patients Started on ADHD Medication**
- **Clinical & Administrative Time Savings**
- **Patient Experience**

Results

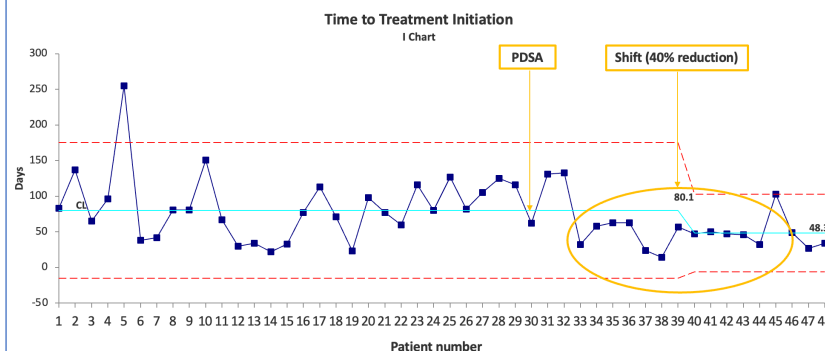


Figure 1: I Chart showing the time-to-treatment initiation (days) pre-intervention (Zoom) vs. post-intervention (e-Platform).

Figure 1 shows that following 1st PDSA:

- 34% decrease in TTI from 85 days (Zoom) to 56 days (e-Platform)
- Markedly less data variability (increased consistency in care provision)

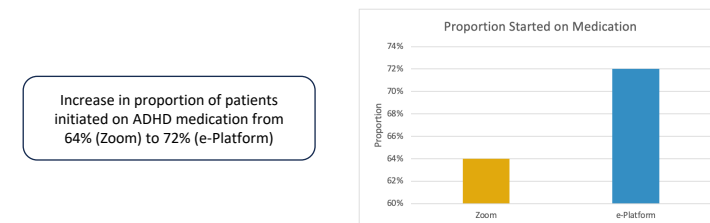


Figure 2: Proportion of patients started on ADHD medication (when appropriate): Zoom vs. e-Platform

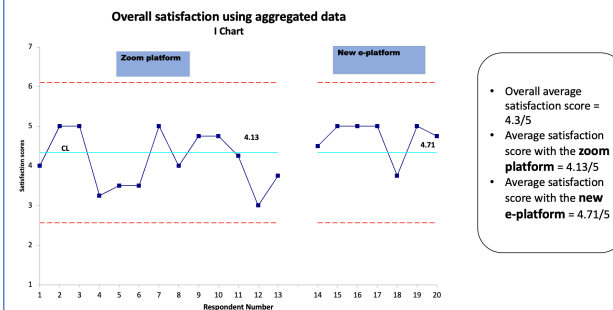


Figure 3: I chart showing overall satisfaction using aggregated data: Zoom vs. e-Platform

Discussion and Next Steps

- The results indicate the positive impact of the e-platform initiative which can be derived from both clinical and user-reported outcomes
- e-Platform has been fully implemented locally and has spread to Westminster CAMHS. Strong interest from all other NDTs in CNWL
- Presented to *CNWL Trust Exec QI Conversation* in February 2024

References

1. Mckechnie DGJ, O'nions E, Dunsmuir S, Petersen Background I. Attention-deficit hyperactivity disorder diagnoses and prescriptions in UK primary care, 2000–2018: population-based cohort study. *BJPsych Open*. 2023 Jul;9(4):e121.