SCC-PG: Bridge: An Al-Enabled Platform to Support Connected Communities for Coordinated Care of Children with Autism Mimi Xie, The University of Texas at San Antonio Award Type: PG [2306596]

Project Background

Autism spectrum disorder is growing prevalence among children. About 1 in 40 children in the U.S have been identified with autism spectrum disorder according to CDC. Therapy based on the social science of applied behavior analysis (ABA) established an evidence-based best practice treatment.

Project Challenge

First, data collection and analysis for ABA therapy is time consuming and resource intensive. There is a lack of care and reduced dosage of care for CWA.

Second, data exchange between care teams (i.e., behavior analyst, physician, and caregiver) are often one-sided and limited by duration of observation.

Third, the ABA therapy may be imprecise due to the reliance on human experts. Due to varied clinical training and differences in individuals and environments, ABA is subject to human bias and errors.

These issues all stem from the lack of system support for long-term data collection, consistent data sharing among stakeholders, and AI assisted analysis and integration of data.



performance of platform;

Broader Impact

dissemination.



