

Fostering Medication Adherence in Children with Epilepsy using mHealth Technology

Dr. Schmidt will provide expertise in regards to educational technology and instructional design. More specifically, he will provide leadership and expertise in the translation of face-to-face problem-solving and education approaches to mHealth learning modules with web-based therapy sessions. The design of the mHealth learning modules will be based on the design and development approaches he and Dr. Modi used for the R21 executive functioning intervention for youth with epilepsy (Epilepsy Journey) project. Additionally, Dr. Schmidt will act as an expert and solutions designer for implementation of technology-based intervention technology, including automated digital reminders and smartphones. He will implement user-centered and highly usable training and support methods and materials for assistive technologies like automated digital reminders. He will also assist with the management and administration of the technological systems that are required in this intervention. He will participate in routine phone calls with the investigators and assist with publications and dissemination of the science.