

STRATEGIC APPROACHES TO IMPROVING ACCESS TO QUALITY HEALTH CARE FOR CHILDREN AND YOUTH WITH EPILEPSY



Michigan Medicine

PROGRAM OVERVIEW

From 2016-2019, the *Strategic Approaches to Improving Access to Quality Health Care for Children and Youth with Epilepsy (CYE)* utilized quality improvement methods and measure outcomes to improve access to coordinated and comprehensive quality care for CYE, with an emphasis on populations experiencing health disparities and CYE residing in underserved and/or rural communities in Michigan.

PROGRAM UNIQUENESS

- **Telemedicine Second Opinion TeleSpecialty Consult Service Established:** Building on the successful existing clinic to clinic telespecialty service, a need was identified by the community neurologist partner for a second opinion service. The Second Opinion TeleSpecialty Service allows CYE to remain in their community, involve the community neurologist, improves access to an epileptologist, improve care coordination and reduces travel expenses, and lost days or work and school.
- **Telemedicine New Patient TeleSpecialty Consult Service:** Concurrently with the development of the second opinion consult service, new patient consults were added to the services offered to clinical sites. This successful model utilizes the existing Michigan Medicine workflow for new patient consults with the addition of the virtual component.

STRATEGIES

VIRTUAL PEDIATRIC EPILEPSY LEARNING COLLABORATIVE

Michigan Medicine Pediatric and Adult Epilepsy faculty conducted a virtual monthly webinar series of 7 lectures as the key component of the learning collaborative. Faculty and our team Social Worker presented on topics related to diagnosis and current therapies for children and youth with epilepsy. A second Learning collaborative was conducted around Transition.

TRANSITION

The Michigan Medicine team recognized that a Transition Assessment Tool was not available in the health system. Along with the grant advisory team, an Epilepsy Transition Assessment Questionnaire, Epi-TRAQ, was developed and piloted for use in the pediatric and adult epilepsy clinics. Epi-TRAQ has been validated and is being integrated in the EMR at Michigan Medicine.

CARE COORDINATION

Seizure Action Plans are integrated into MyChart and provide a mechanism for care coordination with the family, Primary Care Providers, Community Neurologists, schools, daycare and other community agencies involved in the care and support for CYE.

SUCCESSES

- Principal Investigator, Dr Sucheta Joshi organized a symposium on Transition for CYE at the 2018 International Child Neurology Congress.
- Through the Child Neurology Society, Dr Sucheta Joshi and Charuta Joshi, MBBS, hosted an inaugural Telemedicine Special Interest Group (SIG) at the 2019 CNS Annual Meeting

GOALS

MEDICAL HOME

Increase the capacity of medical home and pediatric practices to support CYE.

TELEMEDICINE

Establish primary care clinical sites to conduct telemedicine appointments.

TRANSITION

Establish and implement epilepsy pediatric to adult transition models in clinical sites based on the Got Transition Six Core Elements Framework.

LEARNING COLLABORATIVE

Establish and implement a program of education to increase awareness and knowledge of epilepsy.

OUTREACH

Implement quality improvement initiatives for the use of telehealth technologies to educate CYE and pediatric practitioners using telehealth/ehealth and mhealth.

