Title: Integrating Mobile Provider Access for Telemedicine and Transition (IMPACTT)
Applicant Organization Name: Cleveland Clinic
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The Cleveland Clinic health system, the number 2 hospital in the U.S., proposes Project IMPACTT (Integrating Mobile Provider Access for Telemedicine and Transition) to improve care for children and youth with epilepsy (CYE) and their families. Focusing on increasing family engagement in care, we will expand telemedicine, care coordination/medical home, and transition readiness for patients, while providing collaboration and co-management of CYE by pediatricians and epilepsy experts.

During the period 9/1/2019 through 8/31/2023, Project IMPACTT will work with 6 pediatric primary care sites, as well as with pediatric epilepsy and adult internal medicine at The Cleveland Clinic. Activities planned to achieve goals include: (1) telemedicine: face to face cameras allow patient to meet with providers virtually, use of MyChart, the Cleveland Clinic technology based record keeping and communication system available to all patients and physicians, and TytoCare which allows the providers to obtain physical examination findings to further advance the current capabilities of telehealth/telemedicine; (2) families as partners in decision making: the medical home model that underlies the care coordination clinic in Pediatric Epilepsy will be expanded to CYE in the pediatric sites; (3) transition: evaluate all CYE in the pediatric sites and pediatric epilepsy regarding transition activities, and provide technical assistance on implementation of the Got Transition Six Core Elements Framework, including how to use tools embedded in EPIC for tracking, recording, and billing to help youth transition from the pediatric to adult system of health care; and (4) consultation/co-management: virtual sessions involving primary care doctor and specialist will be provided using the Zoom platform and Project ECHO.

Project activities and evaluation will follow a Quality Improvement (QI) framework. The 8 sites will participate in a QI network to design and implement evaluation projects. In addition to collecting required cross-site data, the 8 sites will develop at least one QI project during the first year and two in each subsequent years of the grant period. QI projects to propose to the network include: (1) administering a telemedicine satisfaction survey to patients who access telemedicine using their own devices; (2) mapping the zip codes of all CYE served at the sites and in telemedicine to track medically underserved patients; and (3) developing the Provider Communication Questionnaire to assess improved patient care when pediatricians are connected to epilepsy experts.

Partnering with families, CYE, Pediatricians, Internal Medicine, Case Western Reserve University, Got Transition, the Title V Office at the Ohio Department of Health, and the American Academy of Pediatrics, the project will advance engagement and outreach, resulting in improved services for CYE in Ohio and beyond.