

Transcranial Doppler Screening for Children with Sickle Cell Anemia

Health System - Key Driver Diagram

Global Aim

To reduce the incidence of stroke in children with sickle cell anemia

Key Drivers

Identify Patient & Conduct Outreach



Strategies

- Clinic staff create and maintain SCD patient registry to identify gaps in care (e.g., past due screenings) and enable QI processes
- Clinic staff identify patients without a provider visit within 1 year
- Clinic staff send patient reminders (text, portal reminder, email, postal mail, phone call) to schedule clinic appointment
- Reminders include educational materials that explain reasons for/value of preventive care including TCD screening for children with sickle cell anemia
- Communication process is established between clinic staff and health plan care managers to ensure care coordination (e.g. pre-approvals, transportation, no-shows, unable to reach)
- Clinic staff hold weekly team meeting for pre-visit planning for patients being seen during week – review date of last TCD screening to determine if TCD screen is due
- EHR reminders are created that prompt the provider to review date of last TCD screening and order TCD screening, if necessary
- Standardized order set that includes annual TCD screening is established

Health System Aim

To increase the percentage of children who receive an annual TCD screening by XX% over baseline in 12 months

Conduct Patient Clinic Visit & Education



- Clinic staff identify and note patient's preferred method and frequency for appointment reminders
- Patient attends clinic visit - Provider reviews last TCD screening date, orders TCD screen
- Patient preventive care education, including rationale for TCD screening, is provided during visit
- Clinic staff provide health plan care manager contact information, share information regarding care management services
- Clinic staff provide instruction for using patient portal to schedule appointments, ask questions, review test results
- Clinic staff schedule next clinic appointment at end of visit
- Clinic staff implement process to reschedule missed/cancelled appointments

Support TCD Scheduling & Screening



- Clinic staff assist patient with scheduling TCD screening appointment at end of clinic visit
- Clinic staff send patient reminders to schedule TCD screening (text, portal reminder, email, postal mail, phone call) depending on patient preference
- Reminders include educational materials that explain reasons for/value of preventive care including TCD screening
- Clinic staff follow up after specified time period following provider order to determine if TCD screening was received
- Clinic staff send patient reminders (text, portal reminder, email, postal mail, phone call) to schedule/reschedule TCD screening if not received within specified time period following date of provider order

Review & Share TCD Screening Results



- Provider reviews TCD results and identifies next steps
- Patient is notified of results with instructions for next steps