- proportion of patients who received in-person interpretation who were not identified as non-English speaking at the time of admission
- duration from the time of admission to the time of first interpreter encounter

Methods This was a cross-sectional study. All inpatient admissions at the IWK Health Centre from September 1, 2019 to March 1, 2021 were reviewed using admission records and the in-person interpreter database. The date, time, and duration of each admission to hospital and each interpreter encounter was used to calculate the outcome measures.

Results Of the 437 patients identified as non-English speaking on registration, 22.4% received in-person interpretation during their hospital stay, and this rate was 28.8% pre-COVID-19 pandemic (pre-March 22, 2020), and 18.42% post-COVID-19 pandemic (post-March 22, 2020), with a delta of 10.4% (95% CI 2.2%, 18.7%) (figure 1). Of the 99 patients that received in-person interpretation, 20.8% of patients were inaccurately identified as English-speaking at time of registration. The mean time to the first in-person interpreter encounter was 38.2 hours after hospital admission (SD = 59.1). Those who received in-person interpretation received a mean of 0.71 interpreter visits per hospital day (SD=0.53).

Conclusions This study offers baseline data illustrating that identification and provision of interpreter services for LEP is poor at the IWK. Based on these results, our centre will implement a universal screening question for interpreter preference at time of hospital admission as a quality improvement intervention to improve interpreter provision.

27

USING QI METHODOLOGY TO INCREASE USAGE OF SEIZURE ACTION PLANS FOR PEDIATRIC PATIENTS WITH SEIZURES

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Background Seizure Action Plans (SAP) have been proposed as an educational tool to help patients and caregivers be prepared for daily seizure care and emergencies. Meaningful clinical outcomes have been linked to the use of SAPs. Despite recognizing the importance of SAP use, 39% of patients seen by epilepsy providers within our outpatient epilepsy center at Nationwide Children's Hospital received a SAP in 2016.

Objectives Increase and sustain the percentage of outpatient epilepsy center patients with seizure rescue medications who receive SAPs, from 39% to 85%.

Methods A multi-disciplinary QI team developed key drivers and implemented interventions, such as an imbedded clinical pharmacist in the neurology clinic to assist with SAPs, clinic nursing staff providing SAP education at discharge, SAP enhancements to ease completion within the Electronic Medical Record (EMR), utilizing clinical decision support via the EMR to remind providers to complete SAPs, and provider and nursing education (figure 1). The team created a monthly report to monitor provider compliance for creating clinically indicated SAPs. The first half of 2016 was used as the preliminary baseline data.

Seizure Action Plan Utilization in the Epilepsy Center

Abstract 27 Figure 1 This figure illustrates our key driver diagram including our specific project aim, important barriers identified (key drivers) and interventions put into place to overcome barriers

Abstract 27 Figure 2 A statistical process control chart (SPC) showing interventions utilized over time and the resultant sequential improvements in percentage of patients with SAPs seen over time

Results From January 2016 to April 2021, the team increased the percentage of outpatient epilepsy center patients with an active SAP from 39% to an average of 85.6% ($P < .001$), resulting in a 120% improvement from baseline (figure 1).

Conclusions Using QI methodologies, the team successfully and substantially increased provider compliance in creating clinically indicated SAPs for outpatient epilepsy center

patients by 120%. Through our efforts we have been able to develop and implement a standardized and customizable SAP completed within the EMR that is now provided to nearly 90% of epilepsy center patients. This project demonstrates that high SAP utilization rates can be achieved even amongst a large, diverse group of Neurology providers. Future work linking SAP usage to decreased healthcare utilization is ongoing.