

# Outcomes Research in Use of AEDs in Epilepsy

## Background

- SR formulation is new to the US market and has not been studied in a real world setting
- Data from a retrospective chart review on efficacy, patient adherence, side effects, and outcomes in patients on IR vs SR formulations could provide meaningful insights
- Such a study would also help to determine the reasons for and obstacles to prescribing the SR formulation from the providers' perspective

## Research Question

- To retrospectively examine the clinical outcomes for epilepsy patients who are treated with sustained-release (SR) and immediate-release (IR) formulation of an antiepileptic drug (AED) in a real world setting.

## Solution

- 15 study sites recruited in 30 days
- 200 medical records of patients were reviewed and analyzed
- Detailed report provided based on analyses
- Abstract developed for conference submission

## KEY OUTCOMES

- Research demonstrated the SR formulation had some advantages over the IR formulations.
- Patient self-reporting of missed doses indicates greater adherence with SR formulation.
- Positive impact of SR formulation on costly outcomes such as ED visits and inpatient stays.
- Common reasons for not preferring the SR formulation determined.

Data presented at the American Epilepsy Society Conference.

Everyone has unique challenges. If you'd like to discuss how we can help address your needs, contact us:

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