

# BEHIND the SEIZURE®

## Sponsored, no-cost epilepsy gene panel testing program for children under the age of 8 who have had an unprovoked seizure

The diagnostic journey can be time-consuming, costly, and emotionally draining. Behind the Seizure® was created to bring you closer to identifying what's behind the seizure, which may impact outcomes for pediatric patients.

### TEST TODAY. DIAGNOSE SOONER. CUSTOMIZE CARE FASTER.

- **More than 50% of epilepsies have some genetic basis.** When a patient presents with seizures, genetic testing can help identify 100+ underlying genetic causes. Early genetic testing may be the most direct, cost-effective, and accurate diagnostic tool.<sup>1</sup>
- **Many genes are actionable.** Gene panels increasingly help tailor your approach—more than 20 genes have been linked to specific treatment strategies. Identifying a seizure's underlying etiology can enable more precise treatment.
- **Delay can be devastating for patients with genetic epilepsy.** Some genetic epilepsies are neurodegenerative, and may initially present with subtle, non-specific symptoms like language development delay and/or motor disturbance. Genetic testing can help identify the cause of epilepsy before a patient experiences the hallmark signs of regression.
- **Genetic epilepsies may be hiding behind non-specific symptoms.** According to a poster discussing the results of an industry-sponsored test, language delay, motor disturbance, and intellectual impairment are often comorbidities and useful indicators for molecular genetic testing.<sup>2</sup>

### BY INCORPORATING THE BEHIND THE SEIZURE® PANEL INTO YOUR INITIAL WORKUP YOU CAN HELP:

- Shorten the time to diagnosis
- Tailor care to a patient's specific needs
- Identify potential clinical trials relevant to the diagnosis
- Identify risk of disease for family members
- Connect families with patient advocacy organizations

Order a test for your eligible patients today at [BehindTheSeizure.com](https://BehindTheSeizure.com)



## PROGRAM ELIGIBILITY & COST

- Any child under the age of 8 who has had an unprovoked seizure is eligible
- Testing is provided to eligible patients at no cost
- Specimen samples for this program are accepted from the US and Canada

## GENETIC TESTING WITH INVITAE

The Invitae Epilepsy Panel is a broad, comprehensive panel that tests more than 190 genes associated with both syndromic and non-syndromic causes of epilepsy.

For more information about Behind the Seizure® or to order a test, visit **BehindTheSeizure.com**.

Brought to you by:



While third parties and commercial organizations may provide financial support for this program, tests and services are performed by Invitae. Healthcare professionals must confirm that patients meet certain criteria to use the program. Third parties and commercial organizations may receive de-identified patient data from this program, but at no time would they receive patient identifiable information. Third parties and commercial organizations may receive contact information for healthcare professionals who use this program. Genetic testing is available in the US and Canada. Healthcare professionals and patients who participate in this program have no obligation to recommend, purchase, order, prescribe, promote, administer, use or support any other products or services from Invitae or from third parties or commercial organizations.

#### Reference:

1. Pal DK, Pong AW, Chung WK. Genetic evaluation and counseling for epilepsy. Nat Rev Neurol. 2010;6:445-453.
2. Miller N, Truty R, Bailey M, et al. Behind The Seizure™: A no-cost, 125-gene epilepsy panel for pediatric seizure onset between 2–4 years. Poster presented at the ACMG