


# Why the Neurotech In-Home EEG?

## Epilepsy

### Prevalence


Epilepsy is the **4th** most common neurological disorder


Epilepsy is more common than cerebral palsy, multiple sclerosis & Parkinson's disease combined


 **1 out of 26** people develop epilepsy at some time during life

**50,000** deaths annually

### Cost

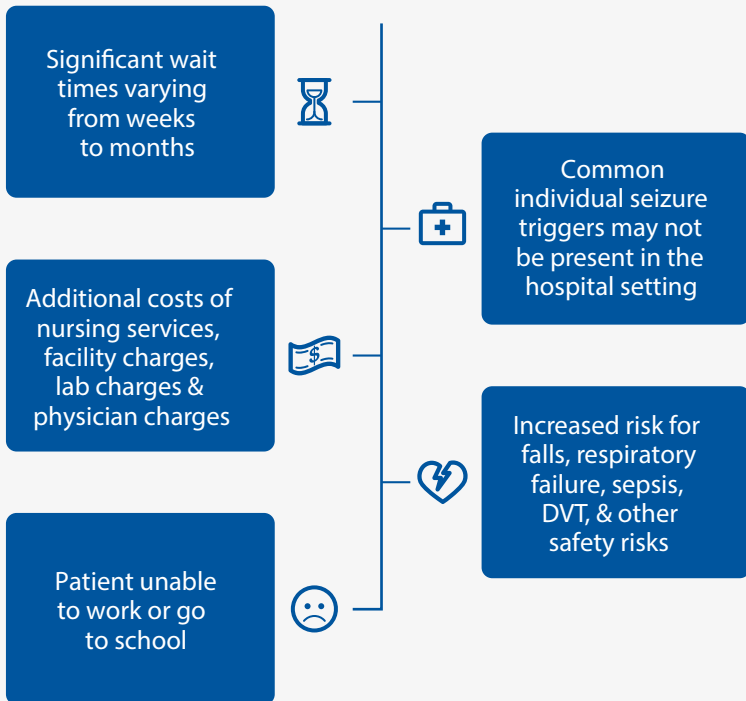
 The United States spends approximately **\$15.5 BILLION** annually on epilepsy-related expenses including medical expenditures and informal care

 People with epilepsy who made frequent ER visits due to uncontrolled seizures incur an average cost of **\$33,006** annually

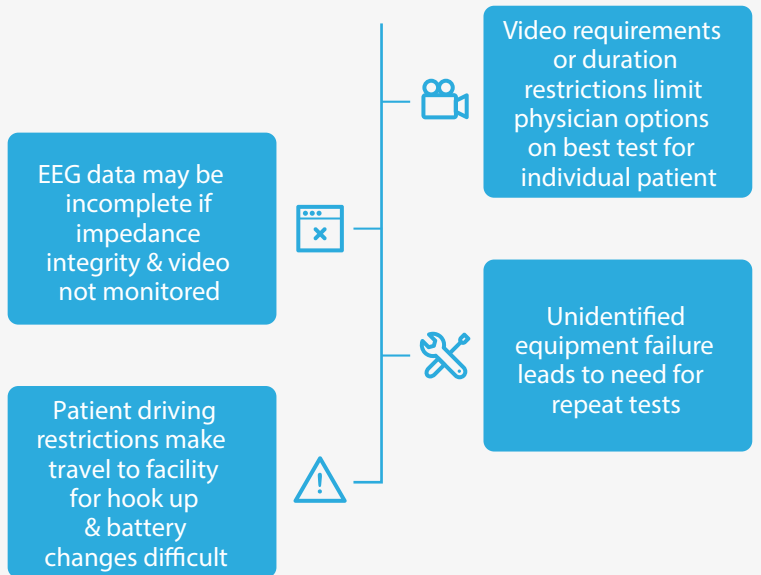
 In 2013, the mean hospitalization cost for children with epilepsy was **\$2,274** per day

## The Current System Is Challenged



### Inpatient EEG






### "Traditional" Ambulatory EEG



## The Neurotech In-Home EEG

-  24/7 live impedance & video monitoring, hourly tech comments recorded
-  On Call - Local Technologists
-  No time restrictions with video or non-video tests - 24-96 hours+
-  Preliminary reads by epileptologist
-  Satisfaction surveying & reporting
-  All billing/preauthorization functions managed by Neurotech
-  EEG begins and ends in patient home
-  Online EEG & dictation system access

## Resulting In Improved

-  **Quality**  
Assured through ongoing Joint Commission compliance  
Minimizes need for repeat tests
-  **Access**  
Eliminates transportation & scheduling obstacles
-  **Cost**  
On average, 30-40% less than inpatient EEG cost