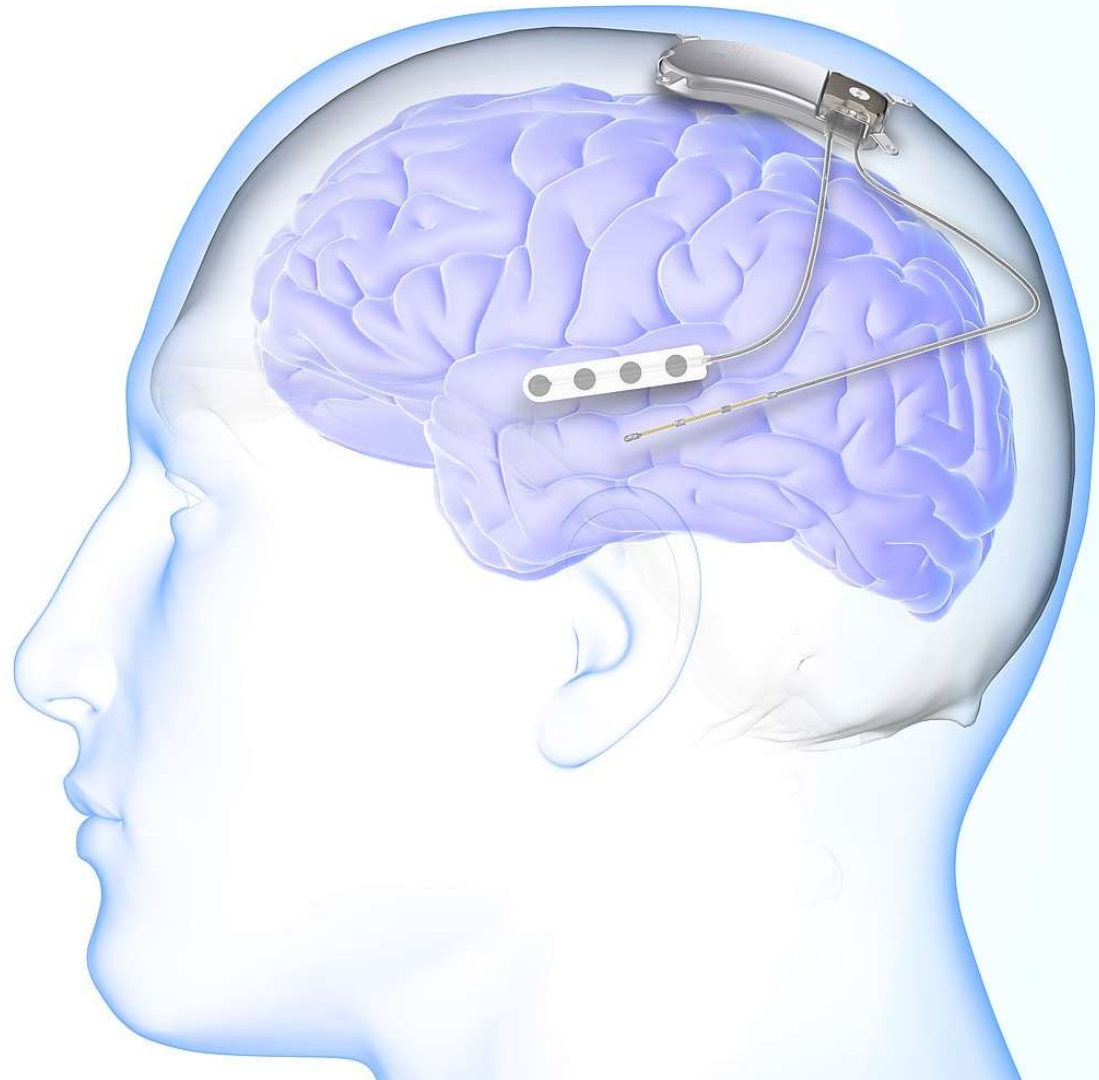


Responsive NeuroStimulation (RNS)

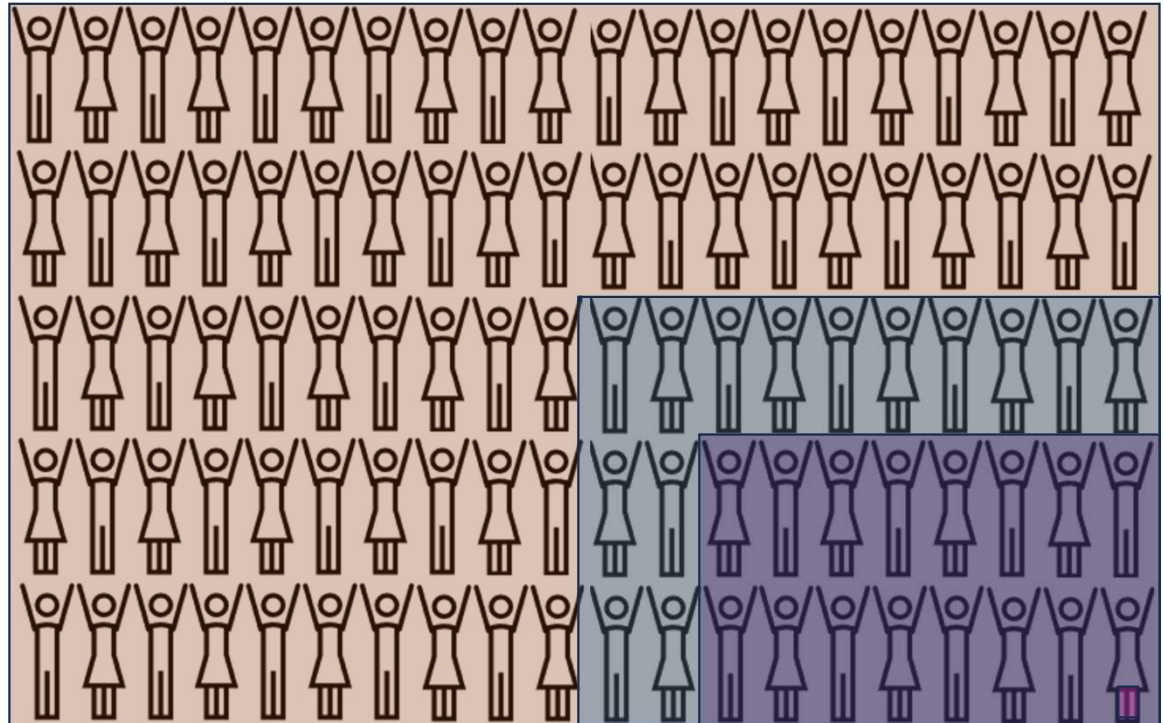
- Medically refractory focal epilepsy
- Requires knowledge of seizure onset zone
- Records EEG which is uploaded to the cloud
- Delivers stimulation when seizure activity is detected



Less than 1% of patients eligible for RNS are implanted

In the United States...

- 3.4 million with epilepsy
- 1 million with medication refractory epilepsy
- 575,000 with medication refractory focal epilepsy
- 5,000 patients implanted with RNS



Simpler Equivalents Exist

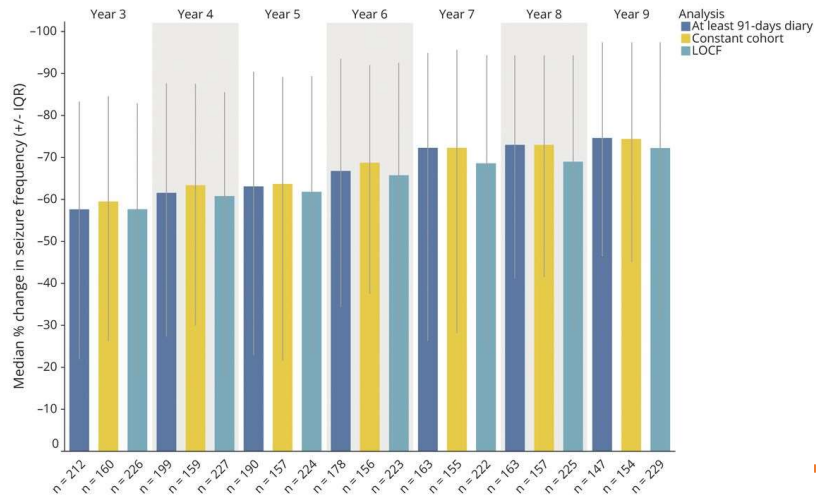


- Surgical Resection
- Other neuromodulatory options, ie VNS

RNS

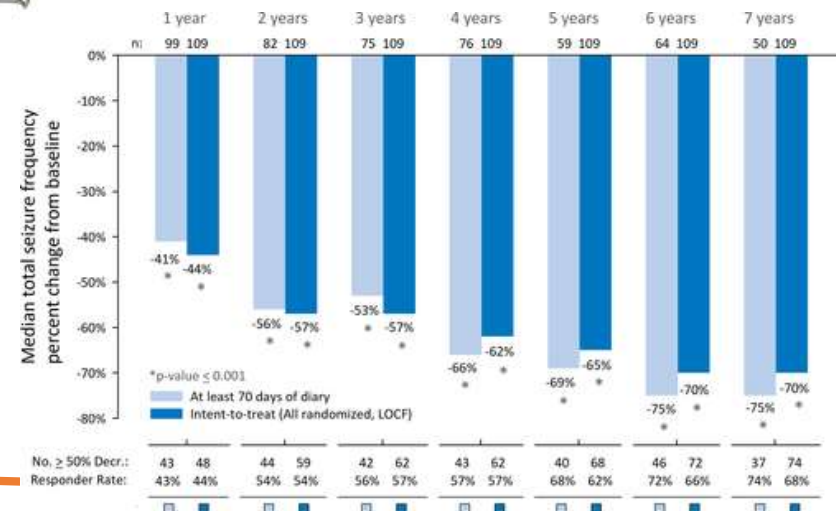
- Median 75% seizure reduction
- 73% responder rate

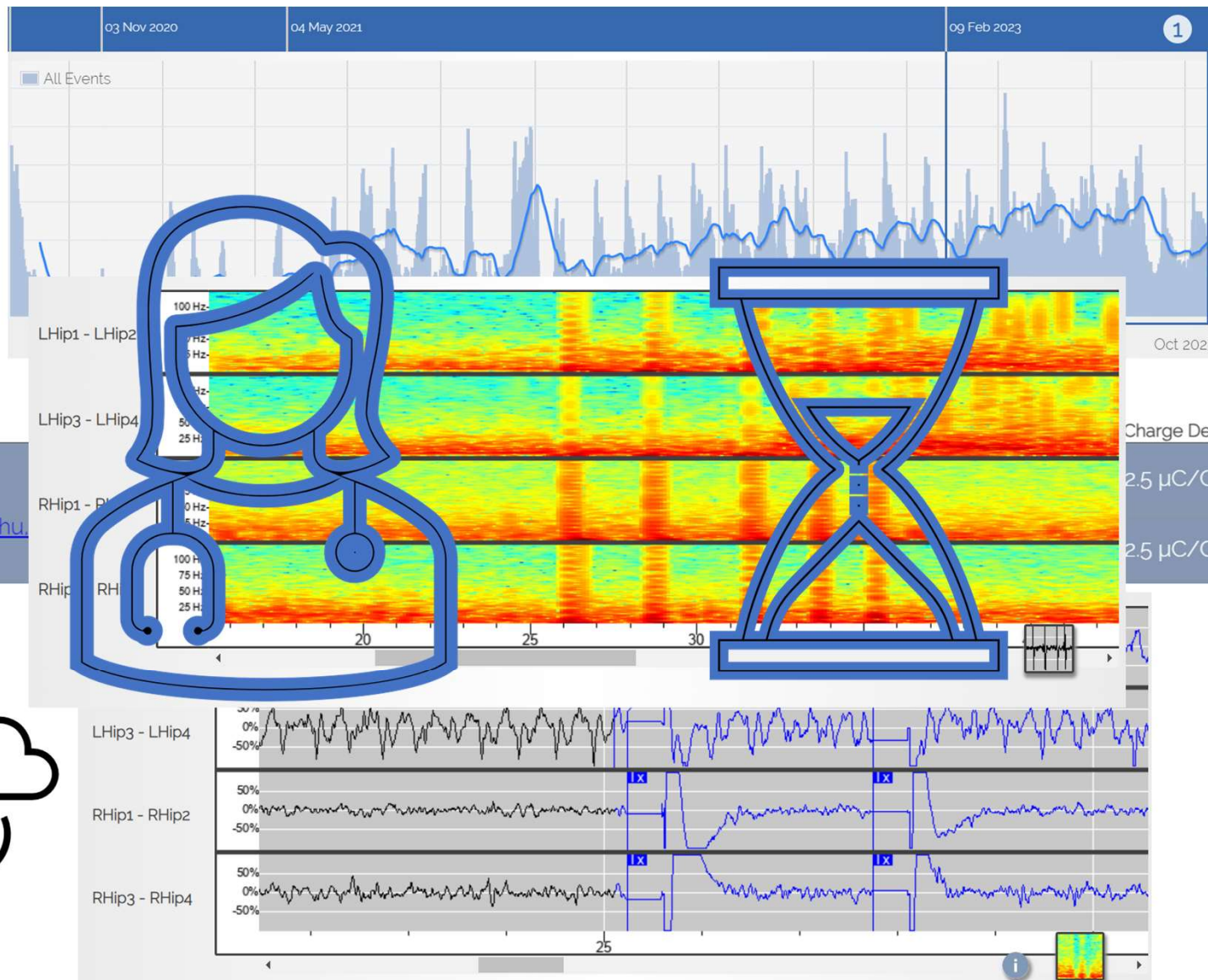
A



DBS

- Median 75% seizure reduction
- 74% responder rate





Complexity is a Barrier to Scaling



Provider Learning Curve



Dependent on Clinical Engineers



Billing is subpar



Only implanted at Level 4 centers



Poor patient compliance

RNS Ambulatory Long Term EEG needs to be valued

