

# Neuroelectrics: Data-Driven Brain Therapeutics

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# Brain Disorders Affect One in Five People



**YOUR  
NEIGHBOR  
WITH  
EPILEPSY**

**YOUR  
GRANDMA  
WITH  
ALZHEIMER'S**

**YOUR  
FRIEND  
WITH  
DEPRESSION**

**YOUR  
DAD  
WITH  
PARKINSONS**

**YOUR  
SON  
WITH  
ADHD**

**(50M PATIENTS  
WORLDWIDE)**

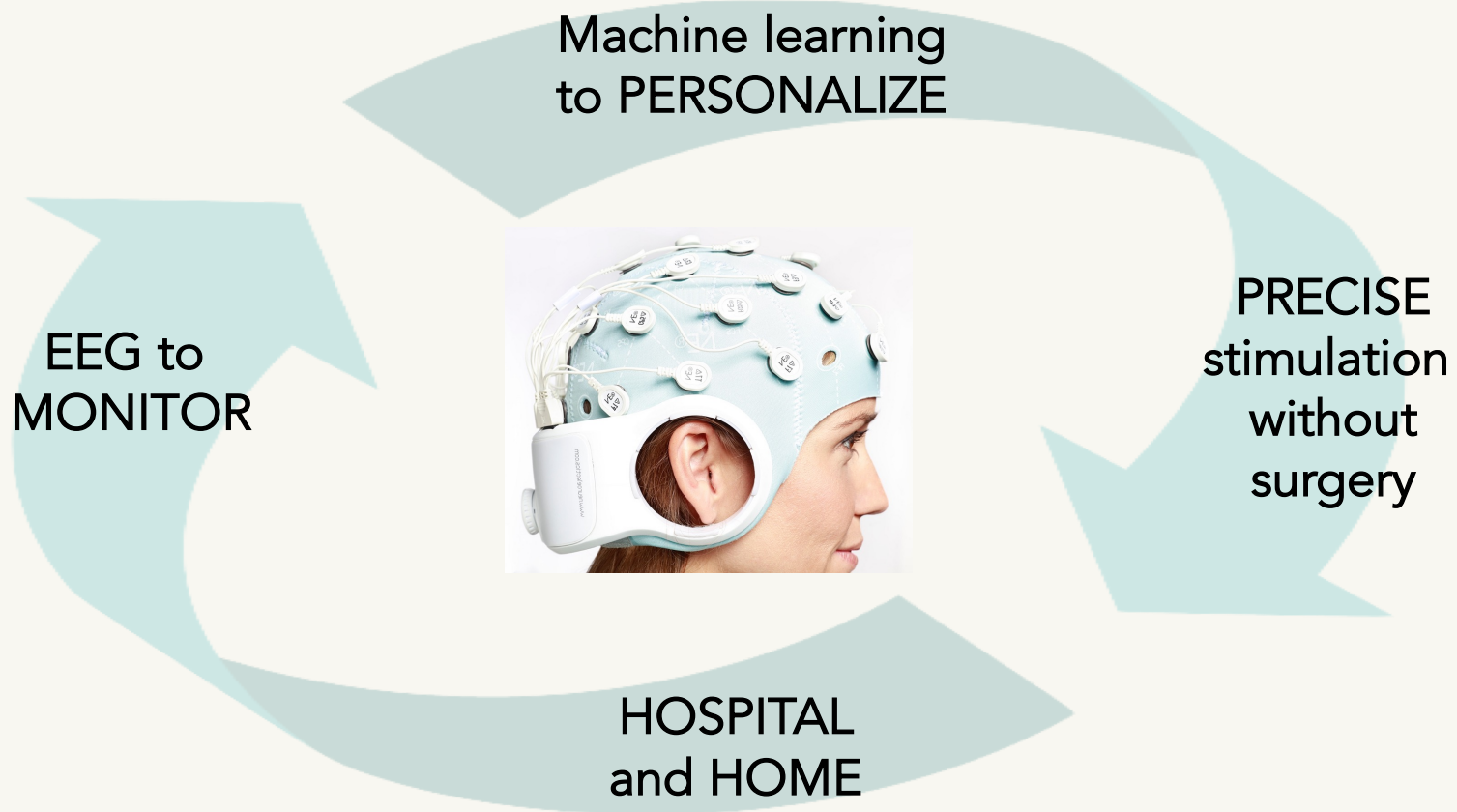
**(90M PATIENTS  
WORLDWIDE)**

**(240M PATIENTS  
WORLDWIDE)**

**(5M PATIENTS  
WORLDWIDE)**

**(120M PATIENTS  
WORLDWIDE)**

# Read/Write the Brain



# Personalized Brain Therapies



# Neuroelectrics' Clinical Programs



## Epilepsy

- 50% seizure reduction in patients not responsive to medication
- Currently in FDA clinical trial for approval at Harvard affiliate hospitals



## Parkinson's disease

- EEG-based diagnosis, 5 to 10 years prior to symptoms
- MJFox Foundation funded programs

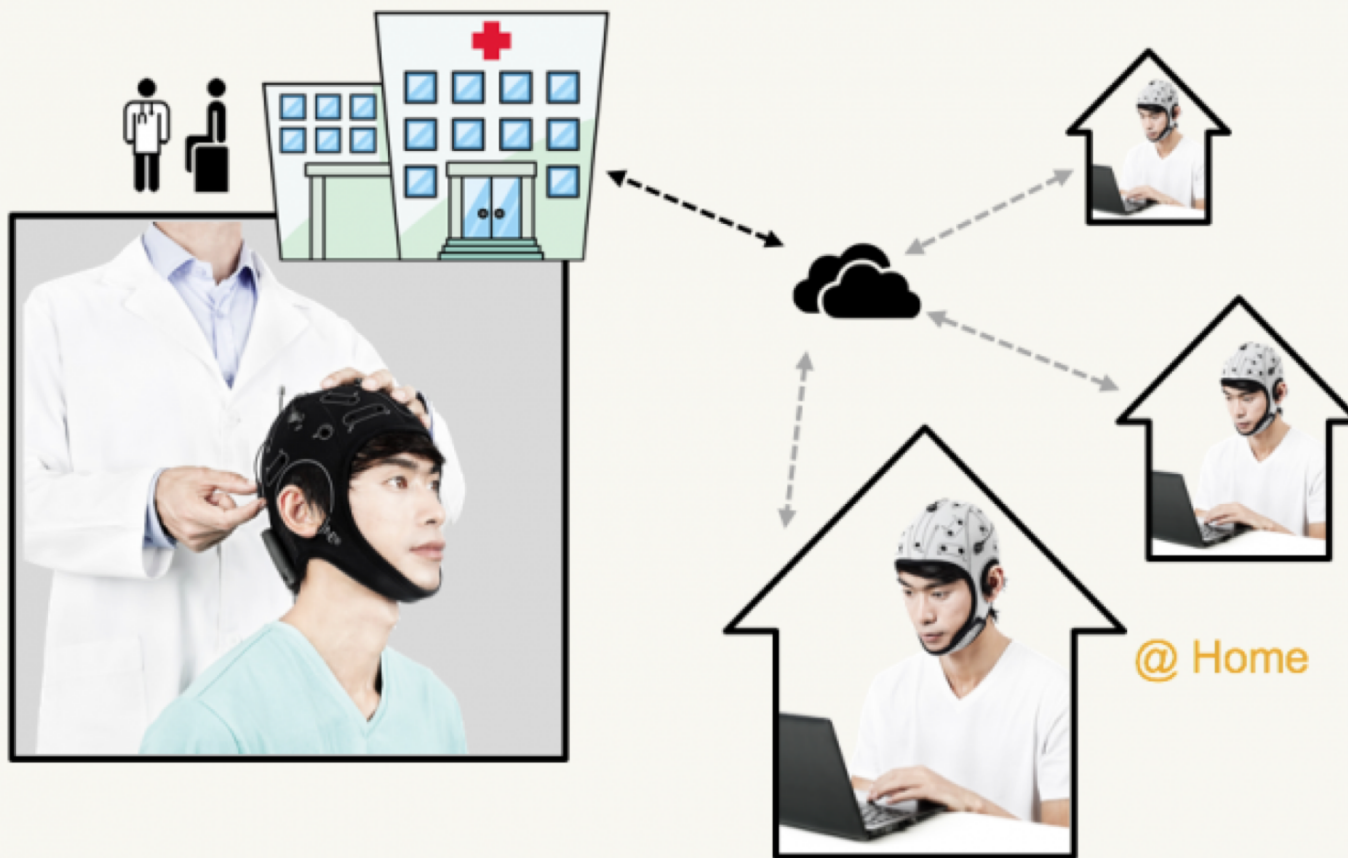


## Age-related cognitive impairment, dementia, Alzheimer's disease

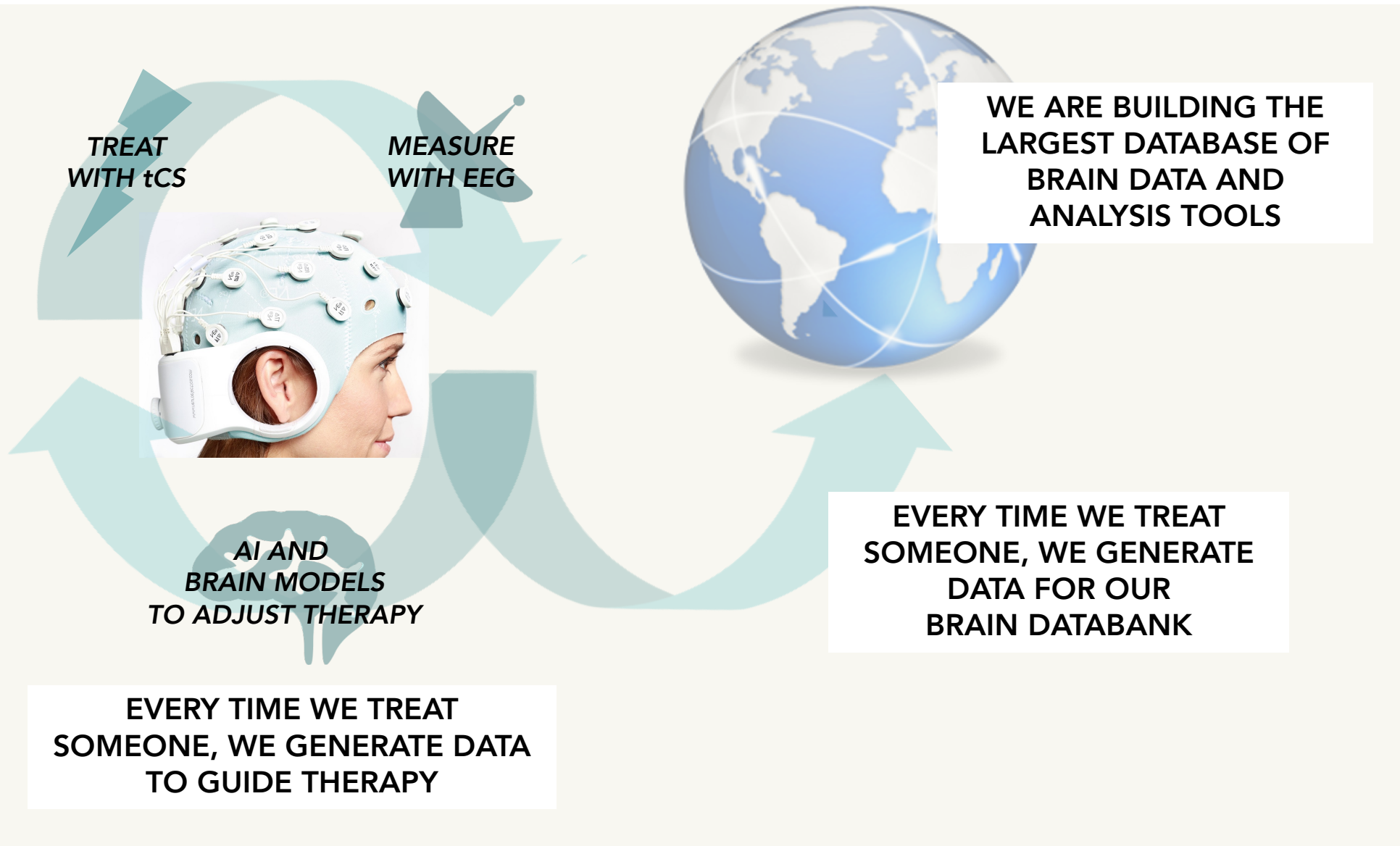
- Improvement of gait and balance to prevent falls
- Improvement of cognitive function
- Two clinical pilots (5 and 40 patients) underway at Harvard affiliate hospitals



# Distributed Delivery of Therapy



# A Database of Brain Data and Brain Models





Thank you for your attention!

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