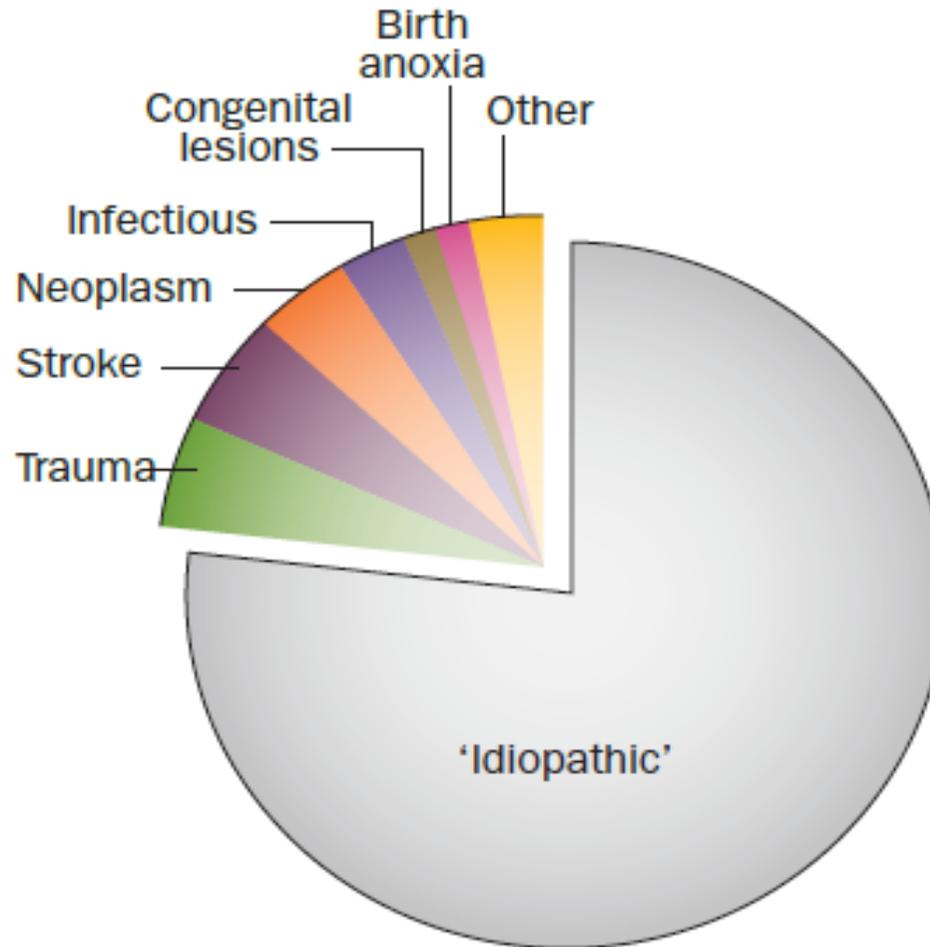


Epilepsy Genetics Initiative (EGI)

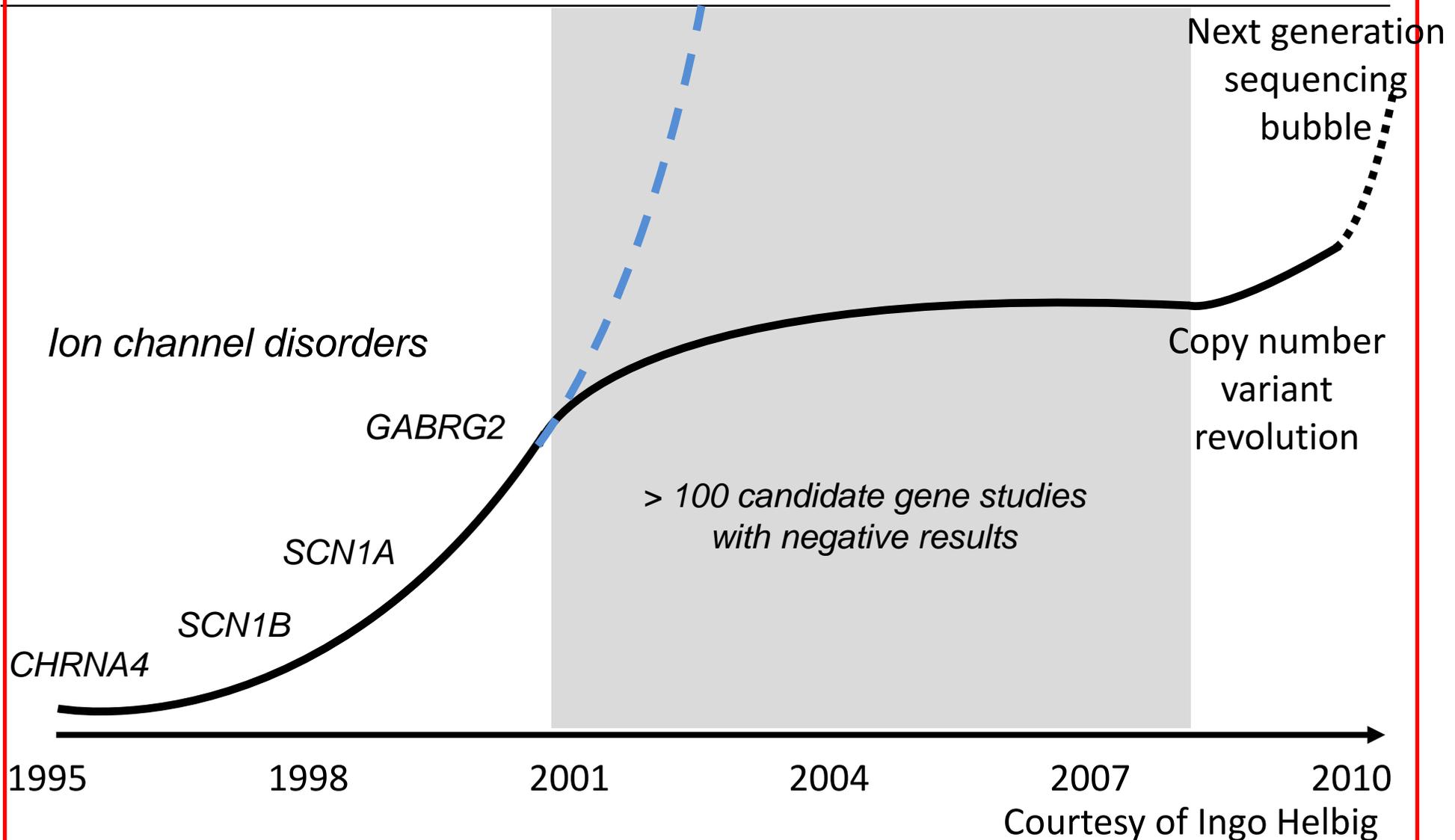


www.CUREepilepsy.org

For ~75% of people with epilepsy, the cause is unknown



The history of epilepsy genetics



The Value of Exome Sequencing in Epilepsy

Cause found in 25-46% of
cases^{9,10}

Clinical Usefulness

- Increased accuracy of diagnosis & prognosis
- Decreased cost of the diagnosis & treatment odyssey
- Potential for immediate changes in clinical management

Personal Usefulness to Patients & Families

- Allows for risk identification for family members
- Provides information for reproductive planning
- Significant personal value to the patient independent of clinical care



EGI Repository – A Community Resource

www.CUREpilepsy.org/EGI

Home

About EGI

For Patients

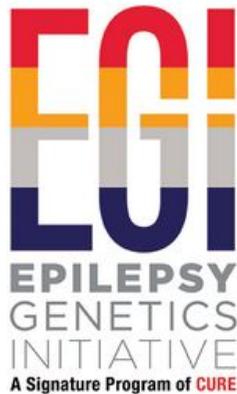
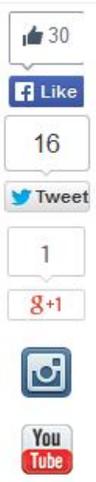
For Physicians

For Researchers

For Partners

Newsroom

Contact Us



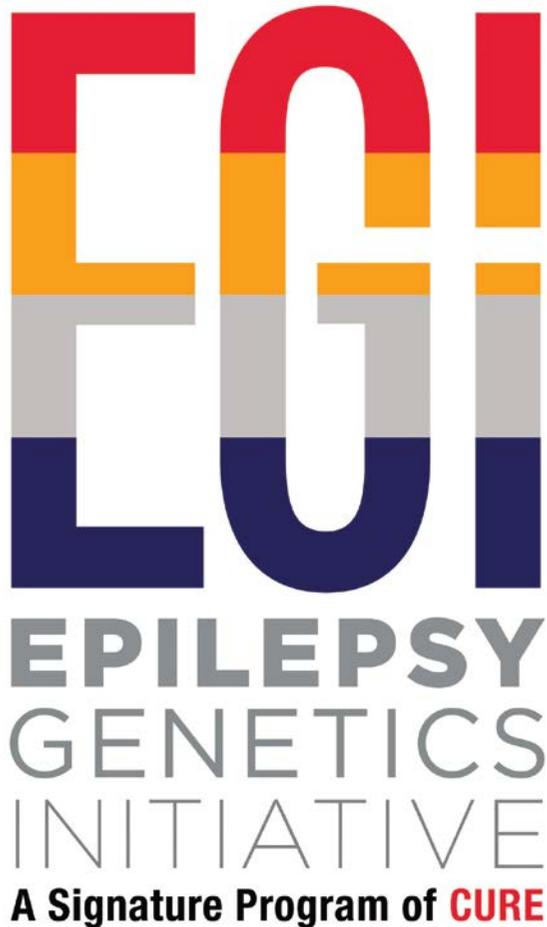
What is EGI?

EGI is a database created by CURE, in partnership with NINDS, to hold the genetic data of people with epilepsy. The specific type of data we are talking about is called **exome** sequence data. Once these data are in the secure, confidential database, they will be analyzed regularly for causes of epilepsy. These data will also be used to drive epilepsy research.



What types of results can I expect from the testing being done?

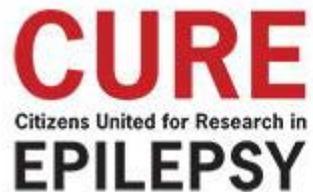
What is EGI?



- The EGI will create a **data repository** of clinical exome and genome sequences
- Data will be **reanalyzed every 6 months** for novel genetic changes
- New results will be **communicated** back to patients via their doctor
- Data will also be made available to advance epilepsy **research**



EGI Partners



in
partnership
with



National Institute of
Neurological Disorders
and Stroke

Principle Sponsors: The John and Barbara Vogelstein
Family Foundation



EGI Partnering Organizations

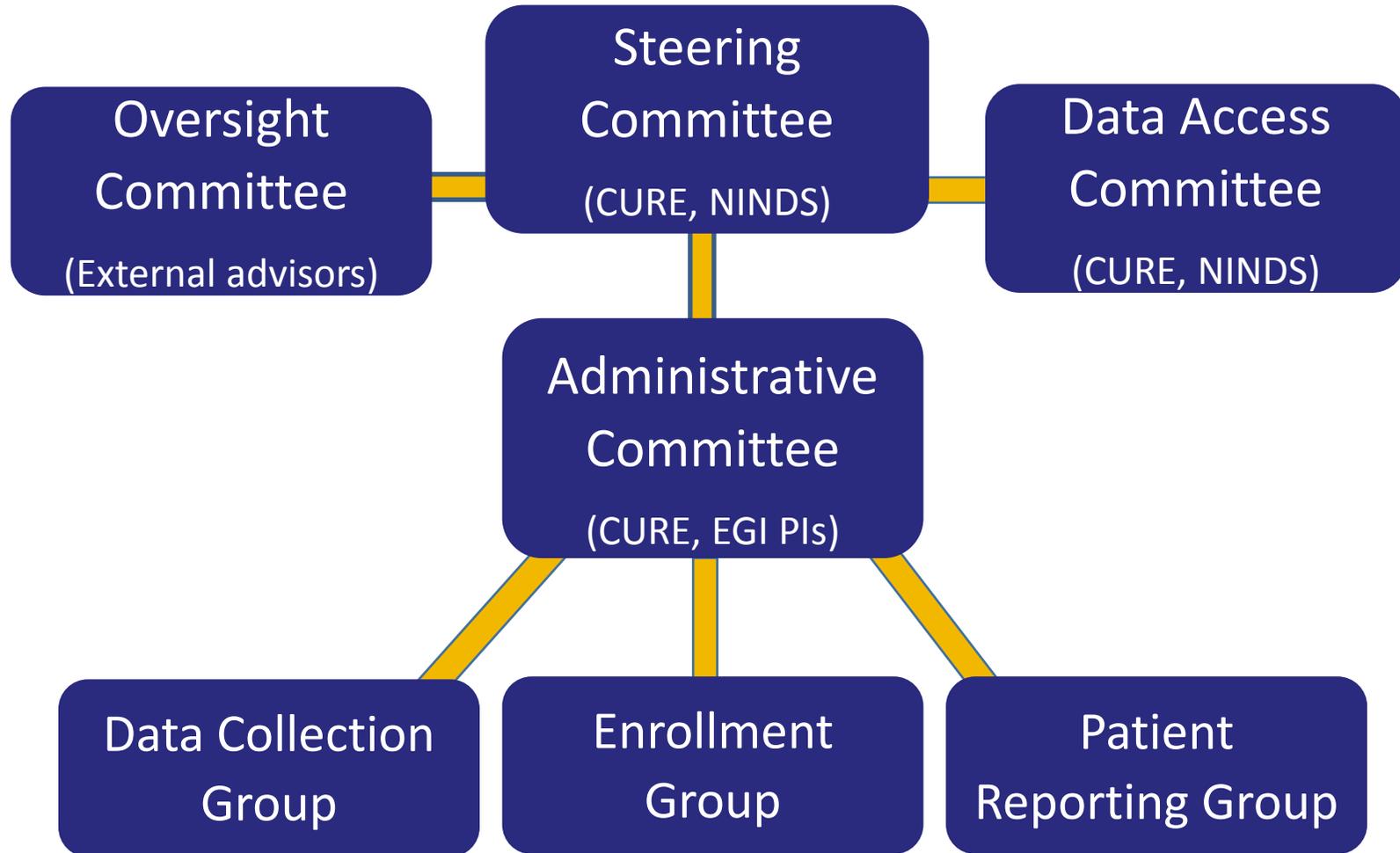
INAUGURAL ENROLLMENT SITES:



INDUSTRY PARTNERS: ?



EGI Organizational Structure



New EGI Framework



Patients &
Clinicians

Researchers

EGI Education
& Outreach
Program

EGI Database

EGI Drive the
Research
Program

EGI Vision

