



# ICARE Member Reports

- ***National Institutes of Health/National Institute of Neurological Disorders and Stroke***
- NIH Mission: NIH is the steward of medical and behavioral research for the Nation. Its mission is science in pursuit of fundamental knowledge about the nature and behavior of living systems and the application of that knowledge to extend healthy life and reduce the burdens of illness and disability



# ICARE Member Reports: NIH

- ***Types of research support***
  - Research grants and supplements
  - Cooperative agreements
  - Contracts
  - Training grants
  - Conference grants
  - \*Public Private Partnerships

## NIH Epilepsy Funding (\$M)

IC	FY2008	FY2009	FY2010	FY2011
<b>NINDS</b>	<b>\$106.3</b>	<b>\$107.1</b>	<b>\$113.5</b>	<b>\$119.0</b>
OD	\$13.4	\$10.8	\$18.5	\$7.9
NICHHD	\$2.6	\$5.3	\$5.8	\$6.2
NIMH	\$7.0	\$4.4	\$3.8	\$4.8
NIBIB	\$4.1	\$4.2	\$3.8	\$3.8
NIA	\$1.4	\$1.6	\$2.5	\$2.5
NIDA	\$0.9	\$2.4	\$2.3	\$1.7
NIAAA	\$1.0	\$0.8	\$1.2	\$1.3
NIGMS	\$1.6	\$2.5	\$2.2	\$1.1
NCRR	\$1.4	\$2.4	\$1.3	\$1.1
NHLBI	\$0.3	\$0.9	\$0.6	\$0.7
NIDCD	\$0.7	\$1.0	\$0.9	\$0.7
NIEHS	\$0.3	\$2.1	\$1.8	\$0.6
NLM	\$0.1	\$0.2	\$1.0	\$0.3
NCI	\$0.3	\$0.3	\$0.3	\$0.2
NEI	\$0.6		\$0.2	\$0.2
NIAID	\$0.8	\$1.0	\$0.6	\$0.1
FIC	\$0.03	\$0.1	\$0.2	\$0.1
NINR	\$0.03	\$0.03	\$0.03	\$0.03
NIAMS	\$0.1	\$0.1	\$0.1	
NIDDK	\$1.0	\$0.6		
NCCAM	\$0.3	\$0.3		
NCMHD		\$1.1		
NHGRI	\$0.6			
<b>NIH</b>	<b>\$145.1</b>	<b>\$149.3</b>	<b>\$160.8</b>	<b>\$152.3</b>

\*from NIH funding for Research, Condition, and Disease Categories (RCDC)

<http://report.nih.gov/rcdc/categories/>. FY2009 (\$21M) and FY2010(\$27M) include ARRA.

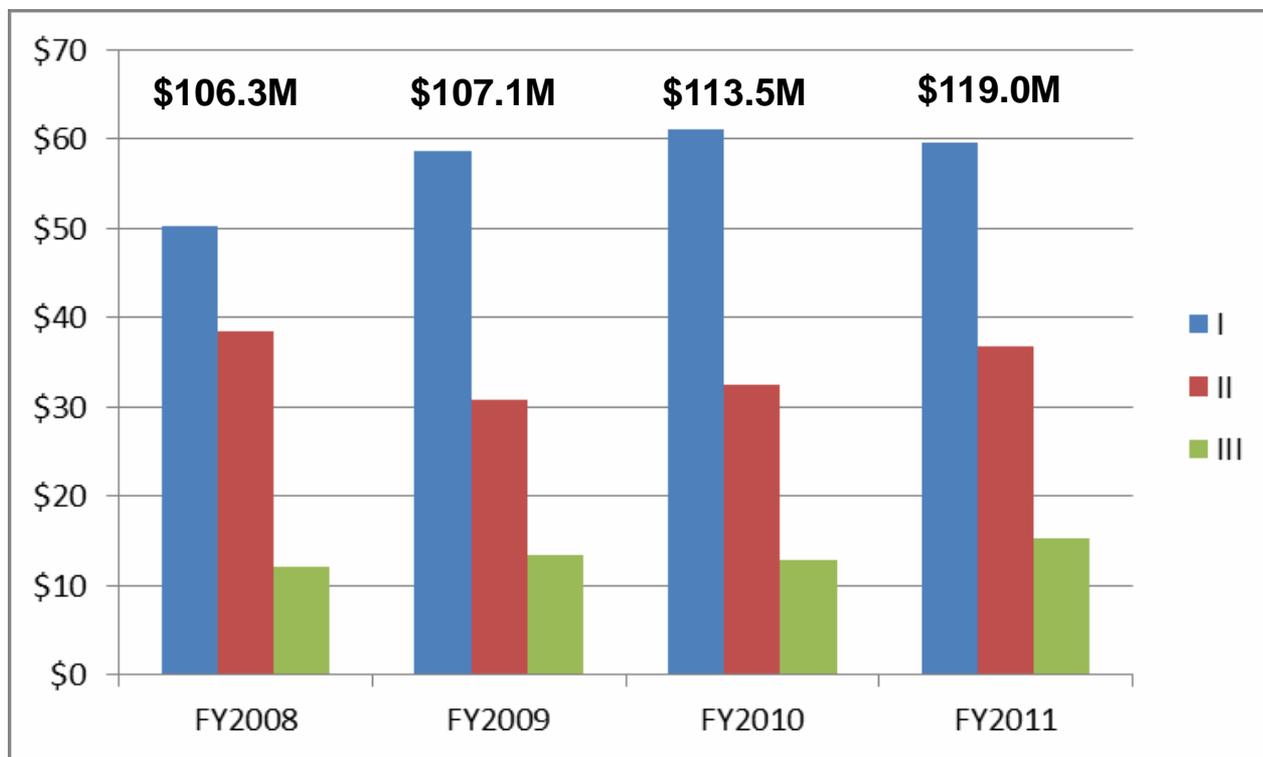


# ICARE Member Reports: NIH

- ***Major topics of interest in epilepsy research***
  - Basic neuroscience
  - Genetics of the epilepsies
  - Epileptogenesis (injury, infancy/childhood, elderly, etc.)
  - Developing new treatments – translational research
  - Biomarkers (risk, drug response and AEs, progression, etc.)
  - Comorbidities of epilepsy
  - Tools for diagnosis: imaging, EEG
  - Epidemiology and natural history studies
  - Phase I – III clinical trials and CE research
  - Seizure onset and propagation
  - Seizure localization/detection/prediction



# NINDS Epilepsy Research Investment



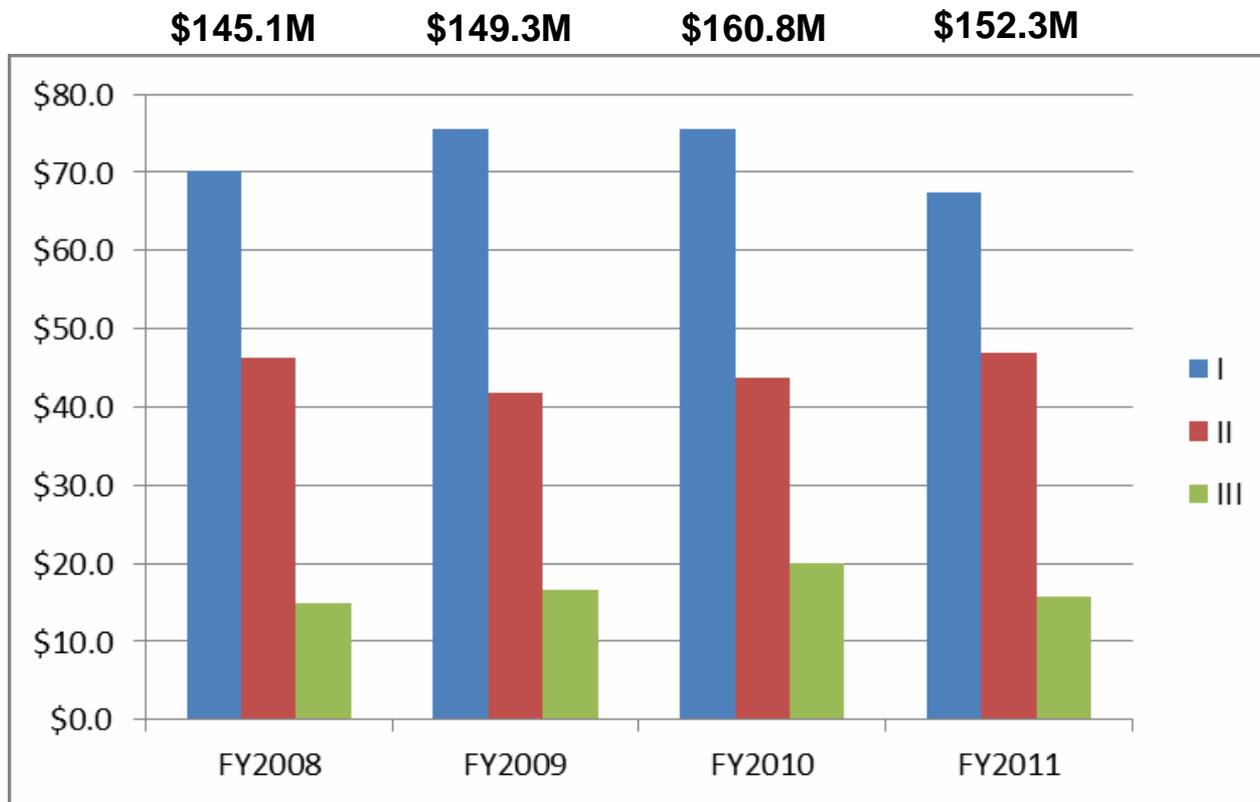
Benchmarks Area I - Prevent epilepsy and its progression

Benchmarks Area II - Develop new therapeutic strategies and optimize current approaches to cure epilepsy

Benchmarks Area III - Prevent, limit, and reverse the co-morbidities associated with epilepsy and its treatment



# NIH Epilepsy Research Investment



FY2009 (\$21M) and FY2010(\$27M) include ARRA.

Benchmarks Area I - Prevent epilepsy and its progression

Benchmarks Area II - Develop new therapeutic strategies and optimize current approaches to cure epilepsy

Benchmarks Area III - Prevent, limit, and reverse the co-morbidities associated with epilepsy and its treatment



# ICARE Member Reports: NIH

- ***Opportunities available for research and collaboration***
  - NIA
    - *Health and Retirement Study - <http://hrsonline.isr.umich.edu/>*
    - *New Program: Network and Infrastructure Support for Development of Interdisciplinary Aging Research (R24) – PA-12-064*
  - NCATS/ORDR
    - *Rare Diseases Clinical Research Network – FOA expected during 2013*
    - *Global Rare Diseases Patient Registry Data Repository – in progress*
    - *Rare Disease Biospecimen/Biorepositories database (RD-HuB)*
    - *Clinical and Translational Science Awards (CTSA) - new RFA expected soon*
    - *Discovering New Therapeutic Uses for Existing Molecules – FOAs open now*
    - *Bridging Interventional Development Gaps (BRIDGs)*
    - *Therapeutics for Rare and Neglected Diseases (TRND)*
    - *NCATS Pharmaceutical Collection/NIH Chemical Genomics Center*



# ICARE Member Reports: NIH

- ***Opportunities available for research and collaboration***
  - NINDS:
    - *Anticonvulsant Screening Program*  
<http://www.ninds.nih.gov/research/asp/index.htm>
    - *Epilepsy CDEs*  
<http://www.commondataelements.ninds.nih.gov>
    - *CounterACT*  
[http://www.ninds.nih.gov/research/counterterrorism/counterACT\\_home.htm](http://www.ninds.nih.gov/research/counterterrorism/counterACT_home.htm)
    - *DNA Repository*  
<http://ccr.coriell.org/Sections/Collections/NINDS/?Ssl>
    - *NeuroMAb*  
<http://neuromab.ucdavis.edu/>
    - *NeuroNEXT Clinical Trial Network*  
[http://www.ninds.nih.gov/news\\_and\\_events/proceedings/20101217-NEXT.htm](http://www.ninds.nih.gov/news_and_events/proceedings/20101217-NEXT.htm)
    - *FITBIR*  
<https://fitbir.nih.gov/tbi-portal/>



# ICARE Member Reports: NIH

- ***Priorities for future activities***
  - Epilepsy Centers without Walls Program –
    - *CWoW for Genetics and Genomics of Human Epilepsies – underway*
    - *Planning grants for SUDEP CWoWs – underway*
    - *FY12 Planning Grants for Disease Modification and Prevention in the Epilepsies – to be awarded*
  - Epilepsies EUREKA
  - Cooperative Program for Translational Research in Resistant Epilepsy and Epileptogenesis – *Standard receipt dates (June, Oct, Feb)*
  - Curing Epilepsy 2013 Conference – April 17-19, 2013
  - Working with DHHS and other partners to address IOM recommendations within our mission



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