ICARE: Interagency Collaborative to Advance Research in Epilepsy

March 24, 2014
NIH epilepsy research funding decreased by $27M in FY2013

Estimates of Funding for Various Research, Condition, and Disease Categories (RCDC)

<table>
<thead>
<tr>
<th></th>
<th>FY 2010</th>
<th>FY 2010 ARRA</th>
<th>FY 2011</th>
<th>FY 2012</th>
<th>FY 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epilepsy*</td>
<td>$134</td>
<td>$27</td>
<td>$152</td>
<td>$156</td>
<td>$129</td>
</tr>
</tbody>
</table>

*(Dollars in millions and rounded)

NINDS epilepsy funding decreased by $14M
FY2013: $106M
FY2012: $120M
What accounts for this decrease?

Big Projects (>\$1M)

**Projects no longer in Epilepsy category in 2013**
- NCATS Bridging Interventional Development Gaps (BrIDGs) program (\$12.1M)
  - FY2013: BrIDGS program funded, but not listed under any RCDC categories
- NIMH intramural project on Clinical Evaluation of PET Radiotracers (\$2.5M)
  - FY2013 project aims no longer include work with epilepsy patients
- Updates to the Epilepsy category ‘fingerprint’
  - 11 projects dropped (\$3.2M in FY2012, including basic research and DBS projects)

**Projects terminated in FY2013**
- Radiosurgery vs. lobectomy for temporal lobe epilepsy (ROSE): Phase 3 Trial (\$2.2M)
- NINDS Intramural project Neuropsychological And Cognitive Studies In Epilepsy (\$1M)

**Funding decreases in ongoing projects**
- Initial Therapy and Response on Long Term Outcome in Children w/ CAE (\$2M)
- Neurological Emergencies Treatment Trials (NETT) coord. and data centers (\$4.2M)
- One core w/in Epi4K, NINDS Center without Walls (\$1M)

**Other funding decreases**
- Non-competing grants funded at lower level (\$4M)
- Fewer projects funded overall: 417 vs 438 (\$12M)
  - including fewer new and competing projects (type 1 and 2s): 87 vs. 124
# Career development awards for epilepsy

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fellowships (F)</strong></td>
<td>$(M)$</td>
<td>$(M)$</td>
<td>$(M)$</td>
<td>$(M)$</td>
<td>$(M)$</td>
<td>$(M)$</td>
</tr>
<tr>
<td></td>
<td>$1.04</td>
<td>$1.29</td>
<td>$0.95</td>
<td>$1.24</td>
<td>$1.40</td>
<td>$1.38</td>
</tr>
<tr>
<td>Career Awards (K)</td>
<td>$9.13</td>
<td>$6.74</td>
<td>$5.38</td>
<td>$6.55</td>
<td>$6.31</td>
<td>$5.70</td>
</tr>
<tr>
<td>Training Grants (T)</td>
<td>$0.24</td>
<td>$0.23</td>
<td>$0.24</td>
<td>$0.46</td>
<td>$0.48</td>
<td>$0.36</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$10.41</td>
<td>$8.26</td>
<td>$6.57</td>
<td>$8.25</td>
<td>$8.19</td>
<td>$7.44</td>
</tr>
</tbody>
</table>

- The decrease in K awards is consistent with a general trend across NINDS
- Are similar trends apparent outside of NIH?
- If so, what are the reasons, and how can we address them?