Helping to End Addiction Long-term (HEAL) Update

Multi-Disciplinary Working Group Meeting
January 31, 2019

- Francis Collins, MD, PhD, Director, National Institutes of Health
- Nora Volkow, MD, Director, National Institute on Drug Abuse
- Walter Koroshetz, MD, Director, National Institute of Neurological Disorders and Stroke
The Crisis: National Overdose Death Rates

In 2017, there were 70,237 overdose deaths (9.6% higher than 2016)

Legend for estimated age-adjusted death rate (per 100,000 population):

- <2
- 2-3.9
- 4-5.9
- 6-7.9
- 8-9.9
- 10-11.9
- 12-13.9
- 14-15.9
- 16-17.9
- 18-19.9
- 20-21.9
- 22-23.9
- 24-25.9
- 26-27.9
- 28-29.9
- 30+

The Response: Helping to End Addiction Long-term (HEAL) Initiative

• Trans-NIH research initiative to:
  • Improve prevention and treatment strategies for opioid misuse and addiction
  • Enhance pain management

• Goals are scientific solutions to the opioid crisis

• Coordinating with the HHS Secretary, Surgeon General, federal partners, local government officials and communities

www.nih.gov/heal-initiative
Helping to End Addiction Long-term (HEAL) Initiative: At a glance

• $500M/year Trans - NIH effort
  • Over $850M to be obligated in FY2019
• 12 NIH Institute and Centers leading 26 HEAL research projects
  • Over 20 collaborating Institutes, Centers and Offices
  • From prevention research, basic and translational research, clinical trials, to implementation science
  • Multiple projects integrating research into new settings
    • e.g. health care, criminal justice, Medicare populations etc.
• Released 36 funding announcements for FY2019
## Improving Prevention and Treatment for Opioid Misuse and Addiction

### Priority Research Areas:

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<tr>
<th>Expand Therapeutic Options</th>
<th>Optimize Effective Treatments</th>
<th>Develop New/Improved Prevention &amp; Treatment Strategies</th>
<th>Enhance Treatments for Infants with NAS/NOWS</th>
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### Research Opportunities:

- **Expand Therapeutic Options**
  - New formulations
  - Longer duration
  - Respiratory depression
  - Immunotherapy
  - New targets and approaches

- **Optimize Effective Treatments**
  - Clinical trials expansion
  - Criminal justice innovation
  - Behavioral interventions
  - HEALing Communities Study

- **Develop New/Improved Prevention & Treatment Strategies**
  - Transition to adulthood
  - Sleep dysfunction
  - Early/moderate OUD
  - Optimal length of Tx
  - Collaborative care

- **Enhance Treatments for Infants with NAS/NOWS**
  - Advancing Clinical Trials for NOWS (ACT NOW)
  - HEAL BCD Study

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NIH
National Institutes of Health
Turning Discovery Into Health
Discovery and Validation of Biomarkers, Biomarker Signatures, and Endpoints for Pain Indications

Discover and Validate Novel Targets for Safe and Effective Pain Treatment

Preclinical Screening Platforms + Novel Drug Development

Translating Discoveries Into Effective Devices For Pain Treatment

Discovery and Validation of Biomarkers, Biomarker Signatures, and Endpoints for Pain Indications

Data & Asset Sharing Partnership

Early Phase Pain Investigation Clinical Network

Pain Effectiveness Research Network

Back Pain Research Consortium

Hemodialysis Pain Management

Pragmatic and Implementation Studies for the Management of Pain

HEAL Programs for Pain Cover the Research Spectrum
NIH Helping to End Addiction Long-term (HEAL) Initiative: Governance Overview

1. NIH Leadership
   NIH HEAL Executive Committee
   • DECISION MAKING

2. Councils and External Experts
   HEAL Multidisciplinary Working Group
   • EXPERT INPUT
   Specialized working group of NIH IC council members and experts provide input to prioritize HEAL research projects

3. Federal Partners
   HEAL Federal Workgroup
   • EXPERT INPUT
   Working group of HHS and other federal partners focused on coordinating efforts across HEAL research projects

4. Trans-NIH Scientific Teams
   • RESEARCH IMPLEMENTATION
   Senior NIH scientific staff leading individual HEAL projects align efforts and build cohesion in programs