

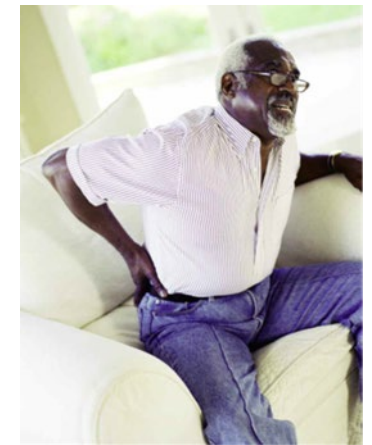
# NIH HEAL (Helping to End Addiction Long-term) Initiative

Rebecca G. Baker, Ph.D.  
Director, HEAL Initiative, Office of the Director,  
National Institutes of Health



# The Crisis of Chronic Pain in the U.S.

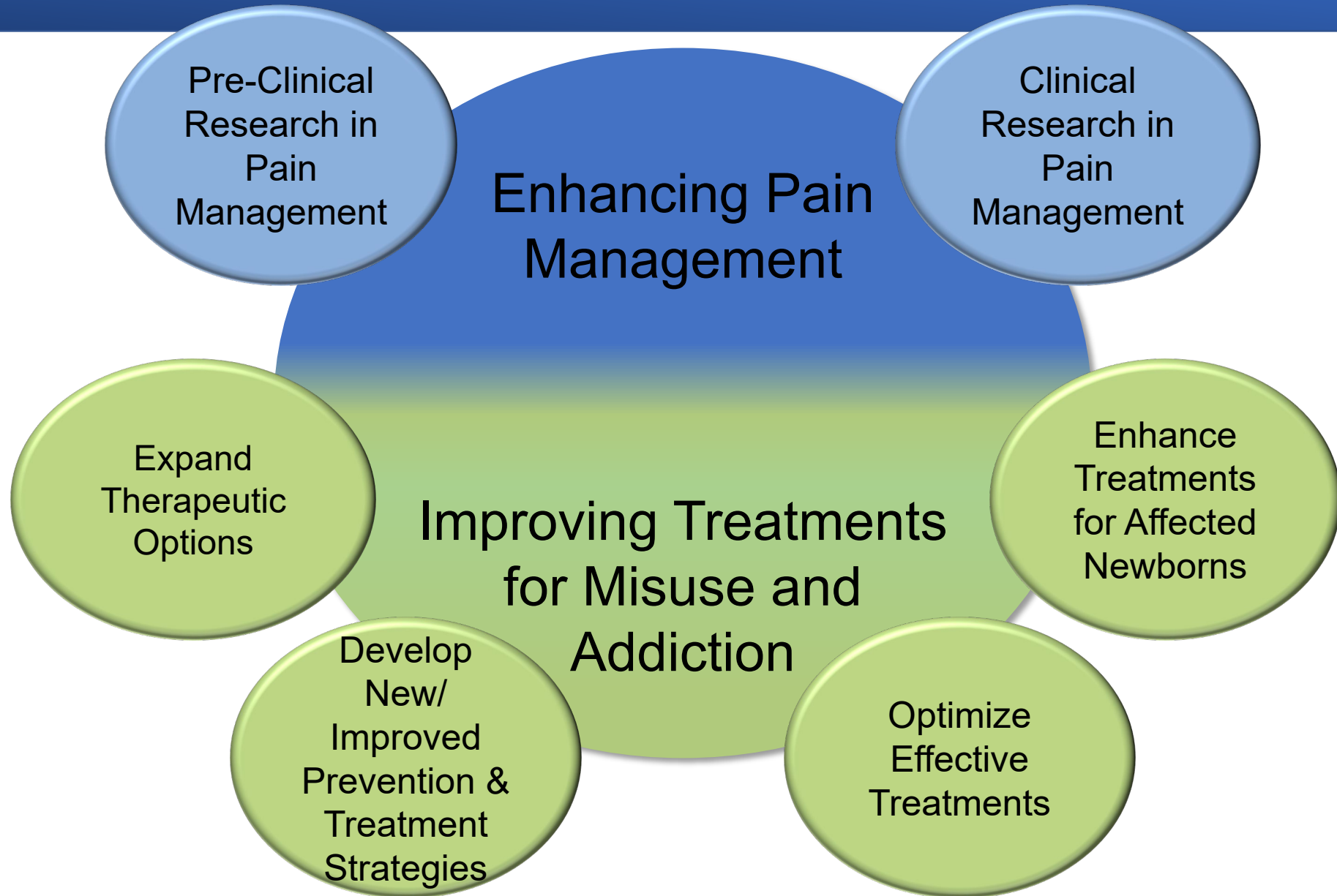
- 50 million adults are affected by chronic pain
- 25 million report severe pain on a daily basis
- 20 million have high impact chronic pain



# Helping to End Addiction Long-term (HEAL) Initiative: At a glance

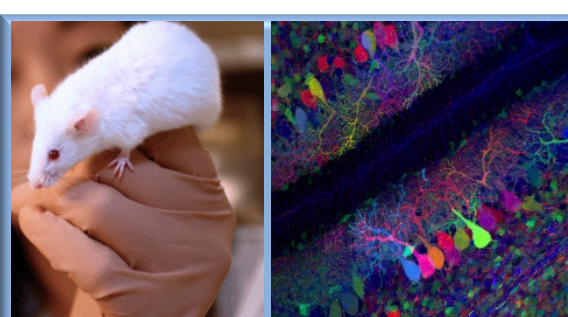
- \$500M/year Trans - NIH effort
  - Over \$850M to be obligated in FY2019
- 12 NIH Institute and Centers leading 26 HEAL research projects
  - Over 20 collaborating Institutes, Centers and Offices
  - From prevention research, basic and translational research, clinical trials, to implementation science
  - Multiple projects integrating research into new settings
- Released 40+ funding announcements for FY2019
- Awards planned for September 2019

# HEAL Initiative Research Overview



# Enhancing Pain Management

- Pre-Clinical and Translational Research in Pain Management
  - Accelerate the discovery and development of non-addictive treatments for pain
    - Understanding the origins of chronic pain
      - Acute to Chronic Pain Signatures Program
    - Discovery and validation of novel targets for safe and effective pain treatment
    - Biomarkers, signatures and endpoints for pain
    - Translating discoveries into effective devices for pain treatment
    - Engineering preclinical screening platforms + novel drug development



# Enhancing Pain Management

- Clinical Research in Pain Management
  - Characterize populations of patients with pain conditions
  - Test novel treatments in a new clinical trials network
    - Early Phase Pain Investigation Clinical Network (EPPIC Net)
    - Back Pain Research Consortium
  - Establish best strategies for management of acute and chronic pain
    - Pain Management Effectiveness Research Network
    - Integrated approach to pain and opioid use in hemodialysis patients
    - Pragmatic and Implementation Studies for the Management of Pain



# Goals for Today's Meeting

- Leverage the expertise of the HEAL Partnership Committee (HPC) toward HEAL programs related to the use of animal and human cell models for pain drug development
- Advance development of predictive models and platforms of potential value to drug, biologic and device companies
- Plan outreach of Early-phase investigation network
- Consider topics for upcoming HPC meetings



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