

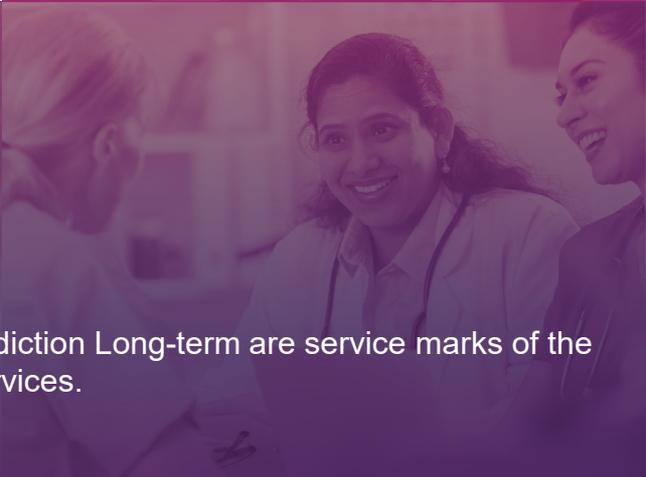


**NIH
HEAL
INITIATIVE**

Helping to End Addiction Long-term

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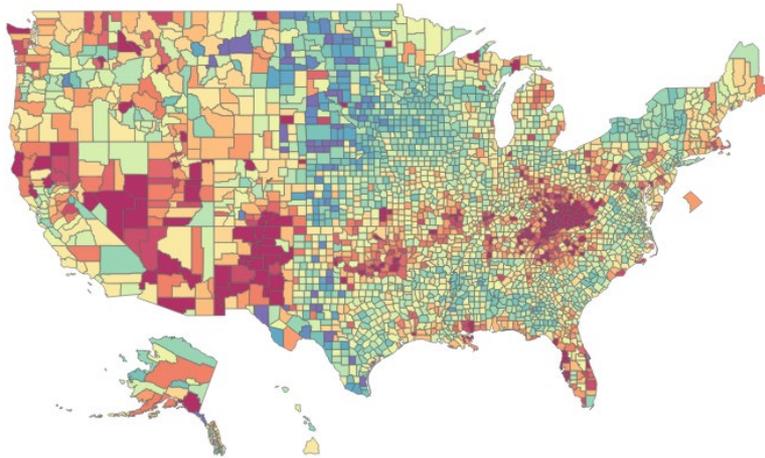


NIH National Institutes of Health
HEAL Initiative

NIH HEAL Initiative and Helping to End Addiction Long-term are service marks of the U.S. Department of Health and Human Services.

National Crisis of Pain and Opioid Misuse, Addiction, and Overdose

In 2017, 70,237 Americans died from drug overdose



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

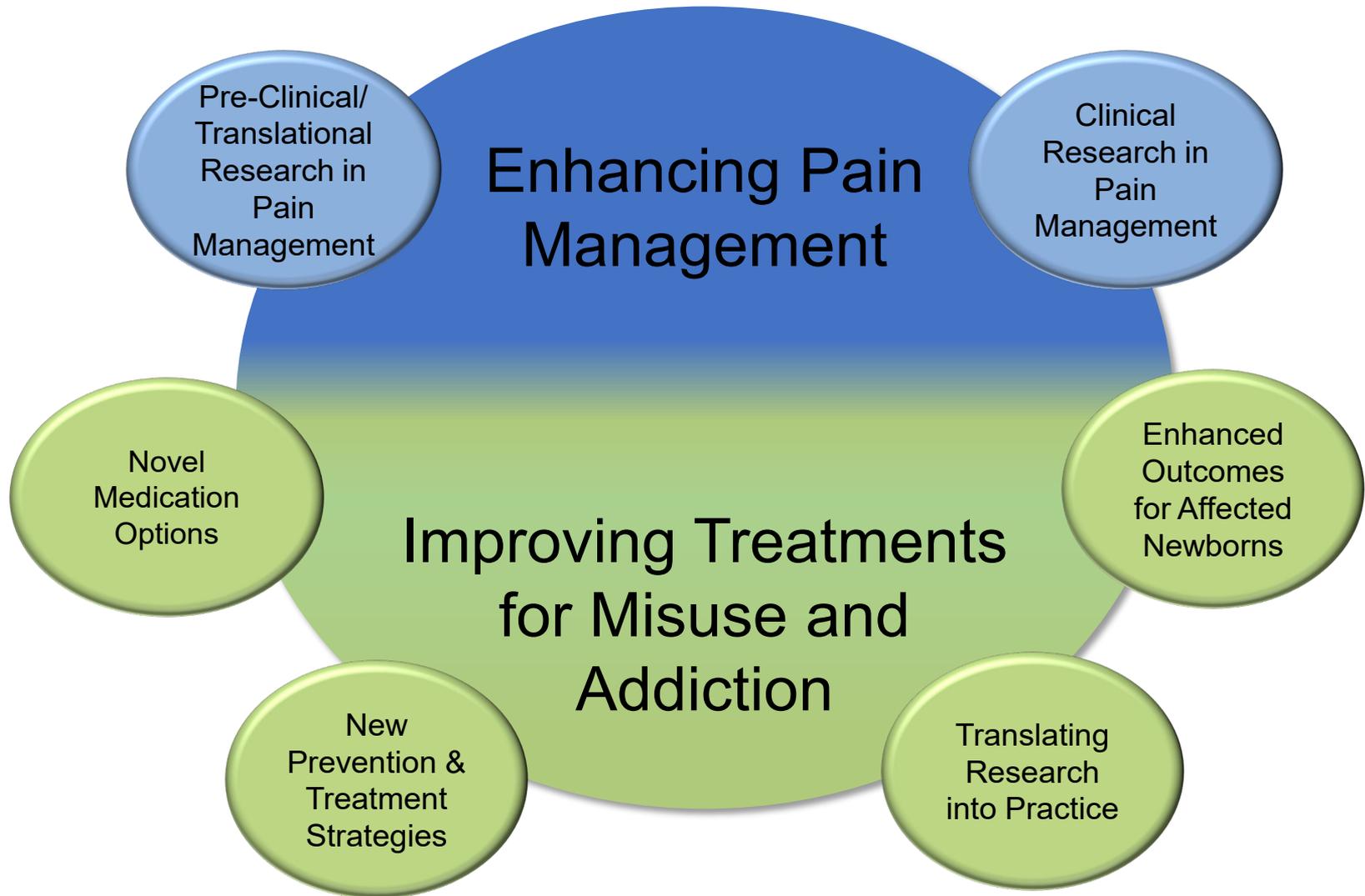


- 50 million adults are affected by chronic pain
- 20 million have high impact chronic pain

The Response: NIH HEAL Initiative

- Mission: scientific solutions to the opioid crisis
- \$500M/year Trans-NIH effort
 - Over \$945M obligated in FY2019
 - 400+ awards, through 40+ funding announcements, across 41 states
- 12 NIH Institute and Centers currently leading 26 HEAL research programs
 - Over 20 collaborating Institutes, Centers and Offices
 - From prevention, basic and translational research, clinical trials, to implementation science

HEAL Initiative Research Overview



Problem:

Many people with OUD do not receive appropriate treatment for their disorder

- **Scientific solution:** Test integration of evidence-based interventions into community, justice and ER settings
 - The HEALing Communities Study
 - Justice Community Opioid Innovation Network (JCOIN)
 - Research focused on treatment in ER, primary care, among pregnant mothers. Etc.



Problem:

Many patients who receive medications for OUD do not stay on treatment long enough to achieve long-term recovery

- **Scientific solution:** Research targeting new therapeutics for OUD to give patients more options for sustained recovery
 - Immunotherapies to opioids
 - Extended-release formulations
 - Medications to reduce drug cravings



Problem:

Pain control should be balanced with the risks of long-term opioid therapy

- **Scientific solution:** Research on non-addictive medications for pain and test new models of care in real world settings
 - Phase 2 trials of novel therapeutics for multiple different pain conditions
 - Controlled trial of acupuncture for chronic low back pain in older adults, in collaboration with CMS
 - Effectiveness research studies for an array of nonpharmacological pain management strategies

Problem:

There is no national standard for care of infants born exposed to opioids

- **Scientific solution:** Research to understand best treatments and long-term consequences for NAS/NOWS
 - Trials to inform screening and treatment for infants exposed to opioids
 - Long-term studies to understand pre- and post-natal opioid exposure on brain growth and development



Cross-cutting HEAL themes

- Engagement of research participants, patients, and stakeholders
- Sharing and open access of data
 - HEAL Public Access and Data Sharing Policy
 - Publications and underlying primary data, immediately and broadly available to the public
 - Harmonized measures established by HEAL teams
- Trans-NIH governance structure

Coming soon in 2020

- HEAL Investigators Meeting
- Workshops to focus future research
- New funding opportunities in gap areas
 - Prevention strategies for respiratory depression/overdose
 - Interplay of pain, addiction, and mental health conditions
 - Diverse populations
- Data management platform
 - Secure platform for data from a wide variety of basic, preclinical, and clinical research programs in HEAL



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www.heal.nih.gov