

PRORP Accomplishments:

Non-Opioid Pain Management

The Opioid Epidemic & Military Service:

Research suggests that combat-related injuries combined with psychosocial factors related to military service predispose veterans and service members to opioid use disorder (OUD), and among veterans, mortality from overdoses increased by 53% from 2010-2019.

Opioid overdoses
lead to
217
deaths
every day

What is the Peer-Reviewed Orthopaedic Research Program (PRORP)?

- PRORP is one of several programs under CDMRP and specifically focuses on cutting-edge orthopaedic research.
- Congress created PRORP in FY09 to address critical gaps in orthopaedic research and support the needs of its service members.
- One major accomplishment of the program is breakthroughs in non-opioid pain management.

Opioid overdose
mortality among
veterans
↑53%
from 2010-2019

How Has PRORP Led to Breakthroughs in Non-Opioid Pain Management?

PRORP funding has supported the clinical testing of a novel non-opioid pain management device called SPRINT PNS. The device is minimally invasive and uses thin leads to provide electrical stimulation to peripheral nerves, providing drug-free pain relief. In FY11, PRORP funding supported the clinical validation of the device, with clinical trials showing that the device reduced pain in 80% of participants and reduced opioid use by 71%. In FY17, PRORP provided further funding to study whether the device could be used to manage postoperative pain. The device is now FDA approved for management of acute, chronic, and post-operative pain, and over 50,000 SPRINT PNS devices have been used since its approval.



Who We Are:

The American Association of Orthopaedic Surgeons (AAOS) is a nonprofit organization dedicated to carrying out advocacy activities on behalf of over 39,000 orthopaedic surgeons and residents to ensure patients have access to the highest quality of musculoskeletal care. If you have any questions or would like additional information, please direct inquiries to mccone@aaos.org or walther@aaos.org.