

**IPRCC FEDERAL PORTFOLIO ANALYSIS
PAIN RESEARCH TOPICS**

1. Neurobiological/glia mechanisms of nociception and pain
2. Genetics and genomics of nociception and pain
3. Other “omics” of pain (include in definition: e.g. metabolomics, proteomics, etc.)
4. Development of animal and human pain models
5. Diagnosis/case definition – (note to include in the definition that case definition refers to appropriate adaptations of clinical definitions of pain as a tool for population research)
6. Pharmacological mechanisms and treatment (include in definition that the topic includes polypharmacy)
7. Non-pharmacological mechanisms and treatment (note in definition that topic excludes psychosocial and biobehavioral treatments as they are listed separately) (note in definition that topic includes CAM, physical activity [vs sedentism] and fitness, procedural and surgical therapies, and management measures of treatments)
8. Biobehavioral and psychosocial mechanisms and treatment of pain with tier two expansion by a checklist for mechanisms and models and for approaches to management as relates to biobehavioral and psychosocial pain research
9. Medical management of pain (self-management approaches, including e-health and m-health strategies and team-based care to be included as tier 2 expansion by a checklist) (include in the definition: team-based care refers to multidisciplinary pain management)
10. Analgesic and device development
11. Pain outcomes, assessments, measurements and novel health information technology as tools for decision making support of pain management, (note in definition: topic includes patient and provider reported outcomes, pain burden and disability and pain management measures)
12. Pain education with expansion checklist for health care providers, caregivers, patients, and the public
13. Epidemiology of pain and pain disorders (note in definition that topic includes research related to case definition of pain, burden, and management measures)
14. Health disparities in pain, pain management, and access to care (note to include in definition that this topic excludes women’s health research on pain, which is included in a separate topic)
15. Pain and women’s health research (note, the appropriateness/need for this as a separate category will be piloted by small group of Federal agencies)
16. Unique populations (with expansion checklist to collect data on specific populations: pediatric, elderly, end of life, disabled, military)

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17. Sex and gender differences in pain (expansion checklist to select male/female) (note in definition that topic includes research on lesbian, bisexual, gay, and transgender)
18. Comparative effectiveness of therapies
19. Development of informatics, data bases and information technologies as tools for pain research
20. Pain and substance use and abuse/addiction
21. Analgesic drug safety and surveillance
22. Pain and trauma (include in definition that trauma includes burn, peri-operative procedures, TBI, SCI, and other nerve injuries)
23. Pain prevention (include in definition: risk factors and susceptibility to pain)
24. Chronic overlapping pain conditions in an individual
25. Mechanisms of and treatments for transitions in pain phases (note in definition that topic relates to transitions from acute to chronic pain and from chronic pain to recovery)
26. Pain and other (non-pain) comorbidities
27. Training in pain research (K, F, T, etc – in definitions) graduate, post graduate, health providers
28. Health care utilization (note in definition that topic includes dissemination and implementation of health care, and management of transitions in clinical settings/utilization of different health care settings for patient care)