



Interagency Pain Research Portfolio Database and Coding

Cheryse A. Sankar, PhD; Linda Porter, PhD

Office of Pain Policy, National Institute of Neurological Disorders and Stroke

Background



The Patient Protection and Affordable Care Act (PPACA) established the Interagency Pain Research Coordinating Committee, (IPRCC) by the Department of Health and Human Services (HHS). The Committee was given certain tasks, including identification of gaps in the Federal pain research portfolio and avoidance of unnecessary duplication of effort, to support the advancement of pain research that could best be addressed through a comprehensive analysis of the Federal pain research portfolio



Timeline

- Step 1: Data call for 2011 grants from IPRCC Members & Agencies
- Step 2: Established an expert working group to develop the taxonomy
- Step 3: Recruited coders to manually code grants using taxonomy
- Step 4: Compiled coded data (Office of Pain Policy)
- Step 5: Performed extensive data analysis
- Step 6: Developed 2011 IPRCC Portfolio Analysis Report
- Step 7: Collaborated with NIH library to develop online database
- Step 8: Launched paindatabase.nih.gov in Spring 2014
- Step 9: 2nd Data Call for 2012 grants from established coders
- Step 10: Compiled data, quality control & feedback, uploaded to database
- Step 11: Modified taxonomy based on feedback
- Step 12: Collaborated with NIH library to create an internal coding system
- Step 13: Currently finalizing and testing system with imported FY13 & FY14 grants
- Step 14: Notify & train coders on the new system
- Step 15: FY13 & FY14 data will be coded, reviewed and published directly through coding system

Taxonomy

Tier 1 categories

Basic	Translational	Clinical
-------	---------------	----------

Tier 2 categories & Themes

Pain Mechanisms Neurobiological/Medical Mechanisms Mechanisms of Transition Phases Pharm and Non-Pharm Mechanisms & Treatments Behavioral & Psychosocial Mechanisms & Treatment Pain from Trauma	Basic to Clinical Analgesic Development Development of Animal & Human Models Device & Therapy Delivery Systems Development	Disparities Minority Health Research Sex & Gender Differences Substance Use & Abuse/Addiction Unique Populations Women's Health
Training & Education Training in Pain Research Pain Education	Risk Factors & Causes Genetics & Genomics Pain Prevention Other "Omics"	Tools & Instruments Outcomes & Health IT for Decision-Making Diagnosis & Case Definitions Informatics, Databases, & IT Development
Surveillance & Human Trials Analgesic Drug Safety Comparative Effectiveness Research Epidemiology	Overlapping Conditions Chronic/Overlapping Conditions Pain & Non-Pain Comorbidities	Use of Services, Treatments, & Interventions Pain Management Approaches Health Care Access, Utilization & Quality

Pain Conditions

Acute / Subacute Pain Burn Pain Peri and post operative pain procedural pain TBI pain	Neuropathic pain, continued Complex Regional Pain Syndrome HIV/AIDS related Neuroathic Cancer Pain
Cancer and Cancer Treatment Cancer Pain Medication and treatment-induced Pain endometriosis	Other Labor Pain Medication and treatment-induced Pain Other pain condition
Chronic Pelvic Pain interstitial cystitis pelvic pain valvodynia	Peripheral Neuropathies Carpal Tunnel & Other Nerve Entrapments Charcot-Marie Tooth
Craniofacial Pain Dental and Intraoral Pain Headache Ocular Pain Orofacial Pain (Neural and Muscular)	Other Pain Painful Diabetic Neuropathy HIV/AIDS Painful Neuropathy Medication & Treatment-induced Pain Neuroathic Cancer Pain Post Herpetic Neuralgia
Musculoskeletal Pain TMD Low Back Pain Neck Pain Osteoarthritis Pain Other Musculoskeletal Pain	Rheumatic Diseases and Fibromyalgia Fibromyalgia Sickle Cell / Cardiovascular Pain Sickle Cell Pain
Neuroathic Pain Painful Diabetic Neuropathy Phantom Pain Post Herpetic Neuralgia SCI Pain Sciatica Central Pain Charcot Marie Tooth	Sleep and Fatigue Chronic Fatigue Syndrome Sleep Disturbance and Pain Visceral (GI) Pain Irritable Bowel Syndrome Visceral Pain Non-Pain Condition Specific Not pain condition specific.

Database

Home Page



Advanced Search



Example: Disparities Results

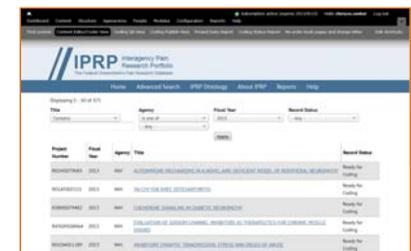
Agency	Project Title	Project Number	Agency	Project Title
NIH	FUNCTIONAL ASSESSMENT IN THE MANAGEMENT OF SICKLE CELL PAIN IN CHILDREN	1R01NS071111	NIH	FUNCTIONAL ASSESSMENT IN THE MANAGEMENT OF SICKLE CELL PAIN IN CHILDREN
NIH	FUNCTIONAL ASSESSMENT IN THE MANAGEMENT OF SICKLE CELL PAIN IN CHILDREN	1R01NS071111	NIH	FUNCTIONAL ASSESSMENT IN THE MANAGEMENT OF SICKLE CELL PAIN IN CHILDREN

Sample record



Coding System

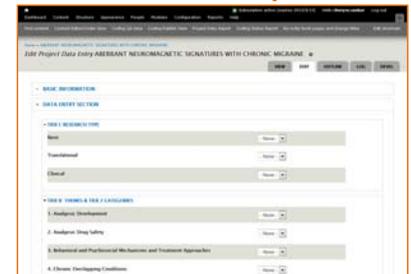
Coding home page



Basic Information



Data Entry



Websites & Resources

- Interagency Pain Research Portfolio Database: <http://paindatabase.nih.gov>
- Interagency Pain Research Coordinating Committee Website: <http://iprcc.nih.gov>
- NIH Pain Consortium Website: <http://painconsortium.nih.gov>
- NIH Library Contacts: James King, MLS, FSLA; MaShana Davis, MIM

