

2011 IPRCC Federal Pain Research Portfolio Analysis Report

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Rationale

The Patient Protection and Affordable Care Act (PPACA) established the Inter-agency 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

About the IPRCC

Federal advisory committee created under the Affordable Care Act to coordinate all efforts within the Department of Health and Human Services and other Federal agencies that relate to pain research



7 Federal members and 12 non-Federal members

Coordinated by the NINDS Office of Pain Policy

Coding Process & Analysis

- Structure from 2003 NIH portfolio analysis
- Data call from IPRCC member Agencies and Departments
 - REPORTER 2011 research projects
 - Expert Working Group taxonomy
- Tier 1: Basic/Translational/Clinical
- Tier 2: 29 defined topics relevant to pain research
 - Pain Conditions

Coders assigned grants (1200+) Agency Members

NIH Pain Consortium

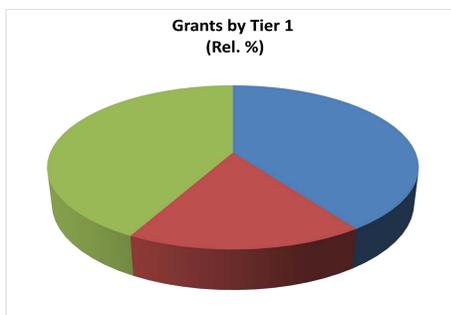
Grant assigned (%) to multiple tier 1 and tier 2 categories, and primary pain condition

What Does it Mean?

The portfolio covers a broad range of research topics, with many areas of shared research interests between and across Federal entities. No notable redundancies within the topic areas were identified. There were several complementary projects funded, but no duplication of spending or efforts. There is a need for enhanced research efforts unique to specific chronic pain conditions, including some relevant to all pain conditions.

Grants by Agency & Tiers

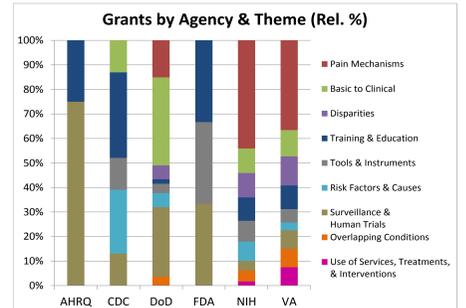
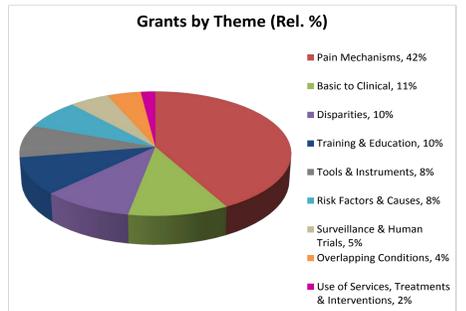
Agency	% Grants
AHRQ	0.2%
CDC	0.9%
DoD	4.3%
FDA	0.1%
NIH	88.6%
VA	5.8%



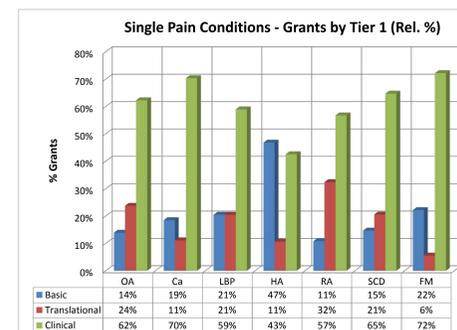
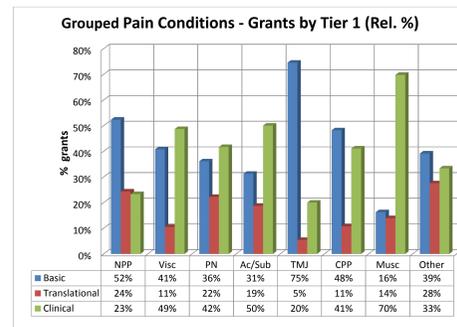
Secondary Categories	Rel. %
Neurobiological/Glial mechanisms	20.4%
Pharm Mechanisms & Treatment	8.3%
Non-Pharm Mechanisms & Treatment	7.3%
Training in Pain Research	6.9%
Biobehavioral & Psychosocial Mechanisms	5.9%
Development of Animal & Human Pain Models	5.2%
Outcomes & Health IT for Decision-making	4.6%
Genetics & Genomics	4.2%
Unique Populations	4.2%
Mechanisms of Transition Phases	4.1%
Pain & Non-Pain Comorbidities	2.8%
Analgesic Development	2.7%
Device & Therapy Delivery Systems Development	2.3%
Comparative Effectiveness Research	2.0%
Diagnosis Case definitions	1.9%
Epidemiology	1.8%
Pain Education	1.8%
Substance Use & Abuse/Addiction	1.7%
Medical Management	1.4%
Pain Prevention	1.4%
Other "omics" of pain	1.3%
Women's & Minority's Health Research	1.3%
Informatics, Databases, & IT Development	1.2%
Chronic Overlapping Conditions	1.2%
Sex & Gender Differences	1.1%
Analgesic Drug Safety	0.9%
Pain & Trauma	0.9%
Health Disparities & Access to Care	0.9%
Health Care Utilization	0.3%

Research Themes

Overarching Themes Layout

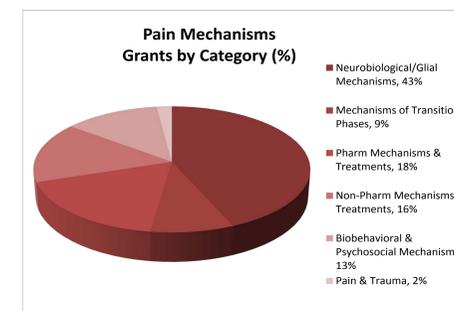
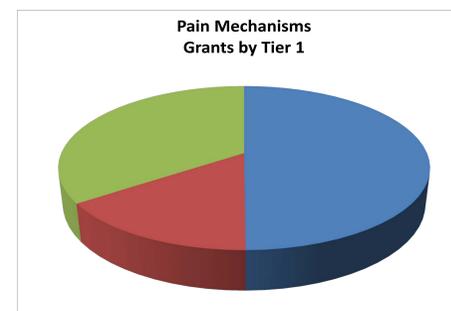


Pain Conditions

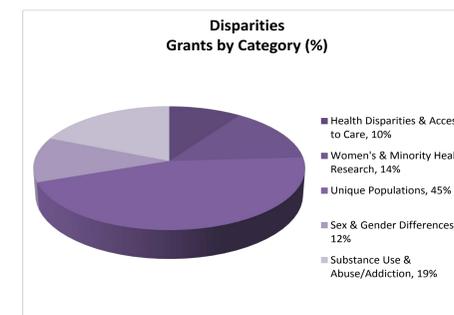
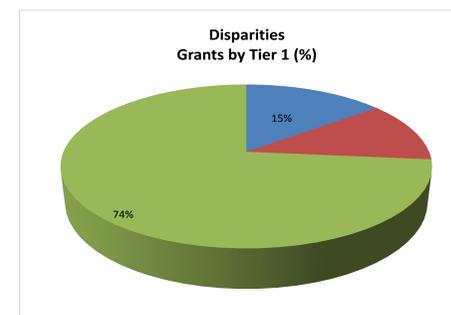


NPP: Neuropathic Pain; Visc: Visceral Pain; PN: Peripheral Neuropathies; Ac/Sub: Acute/Subacute Pain; TMJ: Temporomandibular Joint Disorder and Orofacial Pain; CPP: Chronic Pelvic Pain; Musc: Musculoskeletal Pain; Other: Other Pain Conditions OA: Osteoarthritis; Ca: Cancer Pain; LBP: Low Back Pain; HA: Headache; RH: Rheumatoid Arthritis; SCD: Sickle Cell Disease; FM: Fibromyalgia

Research Theme Examples



Pain Mechanisms	Only	%
__Training & Education	8%	56%
__Basic to Clinical	7%	
__Risk Factors/Causes	6%	
__Disparities	4%	
__Tools/Instruments	3%	
__Overlapping Conditions	2%	
__Others	≤ 1%	



Disparities	Only	%
__Pain Mechs	19%	21%
__Training & Education	10%	
__Tools/Instruments	6%	
__Pain Mechs & Tools/Instruments	5%	
__Surveillance & Human Trials	4%	
__Services, Treatments & Interv.	4%	
__Basic to Clinical	3%	
__Overlapping Conditions	3%	
__Pain Mechs & Training & Education	2%	
__Risk Factors/Causes	2%	
__Risk Factors/Causes & Overlapping Conditions	2%	
__Surveillance & Human Trials & Services, Treatments & Interv.	1%	
__Others	1%	