







Doing NOHARM

Operational Elements, Descriptive Results, and Initial Progress of a HEAL-Funded Pragmatic Trial of Non-Pharmacological Perioperative Pain Care

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NOHARM

Non-pharmacological Options in post-operative Hospital-based And Rehabilitation pain Management pragmatic trial

Non-Pharm Pain Care (NPPC) –

Safe Options for Post-Op Pain Management

Movement

- Walking
- Yoga
- Tai Chi

Physical

- Acupressure
- Massage
- Cold or Heat
- TENS

Relaxation

- Meditation
- Breathing
- Music
- Guided Imagery
- Muscle Relaxation
- Aromatherapy



NOHARM Details

- NIH (NIA/NICHD) 5 year grant
- Design: Step-wedge, Cluster-randomized
 - Rigorous pre/post design with stagger-start
 - 6 campuses, 4 6 procedures/campus
 - Pragmatic, standard of care trial pt consent waived
- Intervention: Epic-based surgical pain planning bundle (+)
 - Conversation guide: Non-pharm pain care
 - Decision support: Guideline concordant orders & edu
- Outcome: Pain, function, anxiety, opioid Rxs
 - Baseline ePRO data collection (@1,2,3 months) being collected now



Stepped Wedge, Cluster-randomized Trial



	Tranche 1 Rochester Cardiac, C-Section Florida Ortho Eau Claire Ortho, Colorectal, Gyn, C-section LaCrosse Gyn, C-Section	Tranche 2 Rochester Ortho, Gyn, Lung Arizona Lung, Cardiac Mankato Colorectal	Tranche 3 Rochester Colorectal Florida Transplant Arizona Colorectal, Gyn, Transplant	Tranche 4 Florida Colorectal, Gyn, Lung, Cardiac Eau Claire Lung, Cardiac Mankato C-Section	Tranche 5 Rochester Transplant Arizona Ortho Mankato Ortho LaCrosse Ortho, Colorectal
Control condition	Data Collection 10/16/2020				
Step 1	Go live 3/1/2021				
Step 2		Go live 10/1/2021			
Step 3			Go live 5/1/2022		
Step 4				Go live 12/1/2022	
Step 5					Go live 7/1/2023



Our Development Process 2019-Present

- Extensive Organizational Vetting
 - CPC
 - Enterprise S&P
 - Nursing leadership, PT/OT leadership
 - Epic leadership
 - Multiple Specialty Councils
 - Opioid Stewardship & ERAS leaders
- Extensive piloting
 - Attentive to workflows & burden
 - Goal: minimize physician & APP burden



Portal & Web Resources

Contact us!

If you have questions about using the pain management techniques, you can call a pain management support team member.

(Tel) 1-833-919-1432 Monday - Friday, 8:00am - 5:00pm (CST)





Join our group calls!

We also want to invite you and your family or caregiver to join us on a 30 minute group call. This is an opportunity to talk with a pain management support team member who can answer your questions about the pain management techniques. The calls include other patients who are also preparing for or recovering from surgery. Calls are offered weekly on the days/times (CST) below.

More about group calls







HOME



Physical point-of-care delivery

BestPractice Advisory - Zzkuthbeacon, Venus Chemotest

Important (1)

NOHARM PATIENT: A pain score of 1 or greater was documented. Patient non-pharmacologic pain preferences should be recorded and supported.

Patient Selected Movement Techniques: None Patient Selected Relaxation Techniques: None Patient Selected Physical Techniques: None

TO DO: Encourage Venus to review options on Mayo T.V. and enter up to 3 of preferences in the linked "Pain Preferences Flowsheet."

TO DO: Complete "Non-Medication Management of Pain After Surgery" in the Education Activity.

Document

Do Not Document

III Pain Preferences Flowsheet

CLICK HERE to enter Education Activity

Accept

Cancel

~





Session



Surgica I Clinic



RN/PT/OT

Classes

Surgica I Clinic



Robust Supports

- Materials: Mayo Clinic-vetted, rehab conscious
- "Boots on the ground"
 - Campus-specific local champions
 - At-the-elbow, just-in-time assistance
- Dedicated phone line: 1-833-919-1432
- Weekly patient zoom classes
- Dedicated, monitored pager
- Remote Epic support capacity
- Dedicated email: healingaftersurgery@mayo.edu



NOHARM Progress (3/5 complete)

- 34,643/80,000 + patients accrued
 - 2960 surgery cancelled
 - 370 died
- 7996 active in 3-month window
- 22,670 3 months out
 - 15,800 finished with outcome data
 - 6867 no outcome data
- PRO raw completion rate 67.8%
 - Lower in health system (50%)



NOHARM: Challenges in Data Collection & Merging

- Intervention & PRO assignment fragility
- PRO response rate and missing data
- Creative solutions
 - Scavenging
 - Paper PROs



Take Homes

- Big Pragmatic Trials within healthcare=messy
- Manually operated
- High EQ work
- Dissemination & Implementation





Acknowledgements

- NIH/NIA UG3/UH3
- HEAL: Helping End Addiction Long-term
- PRISM: Pragmatic and Implementation Studies for the Management of Pain to Reduce Opioid Prescribing
- NIH Pragmatic Trials Collaboratory
- A very large, benevolent, hard working team





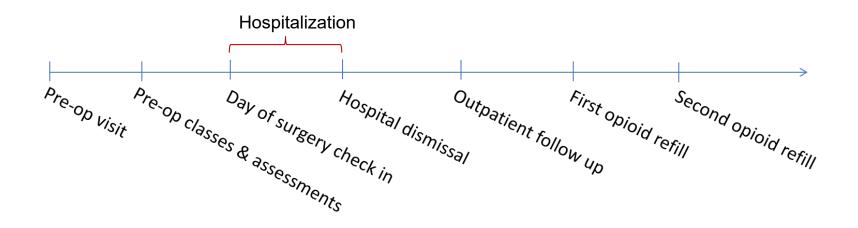
Thanks!

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What We're Seeking

- Engagement (and feedback)
- Endorsement (with staff and patients)
- Partnership





- Series of "saturated" clinical touch points
 - None are sufficient in isolation
- · Perioperative care encompasses diverse:
 - Clinicians
 - Settings
 - Workflows
 - · Diseases and conditions
- Patients have varied and evolving NPPC preferences



Next Steps: Allied Health Training

- Our team identifies and collaborates with appropriate supervisors and education specialists
- Role-specific (e.g. PT, RN) MyLearning Modules assigned ~45 days prior to go-live
- Virtual or in-person Q&A sessions with ambulatory care teams prior to go-live and after as needed/requested
- At-the-elbow just-in-time training and technical assistance available through duration of project



ePRO Collection

Time Point	Control Group	Intervention Group
Baseline	Pain, Physical Function, and Anxiety PROMIS- CATs; Opioid Use	Pain, Physical Function, and Anxiety PROMIS- CATs; Opioid Use
1 Month Post-Surgery	Pain and Physical Function PROMIS-CATs	Pain and Physical Function PROMIS-CATs; NPPC Use
2 Months Post-Surgery		Pain and Physical Function PROMIS-CATs; NPPC Use
3 Months Post-Surgery	Pain, Physical Function, and Anxiety PROMIS- CATs; Opioid Use	Pain, Physical Function, and Anxiety PROMIS- CATs; Opioid Use; NPPC Use

