Promoting Patient Engagement in ePCTs

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Overview of the Session

- Brief Introduction
- Engagement from NIH Collaboratory Trials
- Questions and Discussion
- Engagement from Pain Management Collaboratory Trial
- Questions and Discussion



Goals of the Session

- Review the Coordinating Center's efforts to support patient engagement
- Hear from NIH Collaboratory Trials on challenges and methods for engaging patients in ePCTs
- Highlight a trial example from Pain Management Collaboratory to show cross-collaboratory efforts in patient engagement



Introduction – Some Basics

Promoting Patient Engagement in ePCTs



Shameless Plug for Living Textbook Chapter

PATIENT ENGAGEMENT	دوی	SECTIONS
SECTION 1		1 Introduction
Introduction		2 Key Principles of Patient Engagement
– <u>Contributors</u>		 Patient Engagement Throughout a PCT
<u>Steven Z. George, PT, PhD</u>		4 Value of Patient Engagement to
Contributing Editor		PCTs
Hannah Webster, MPH		5 Ethical Considerations for Patient Engagement
Gina Uhlenbrauck		6 Potential Challenges
Karen Staman, MS		7 Case Study: Patient Engagement in the OPTIMUM Trial
Pragmatic clinical trials (PCTs) are research studies that are conducted in the co	ontext of routine	8 Equity and Inclusion
clinical care and therefore have the potential to represent and prioritize the pe array of key individuals, including patients		9 Additional Resources



Shameless Plug for Living Textbook Chapter



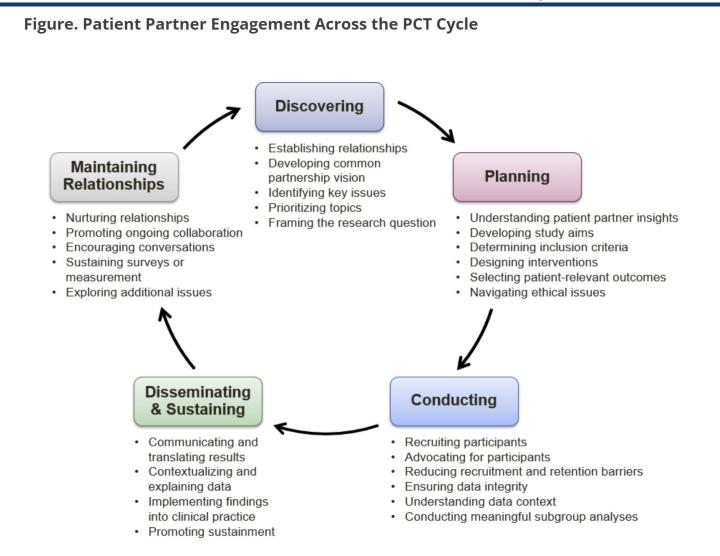


Key Principles – RECCC

- Reciprocal/bi-directional relationships
- Effective communication
- Co-learning
- Compensation
- Cultural humility

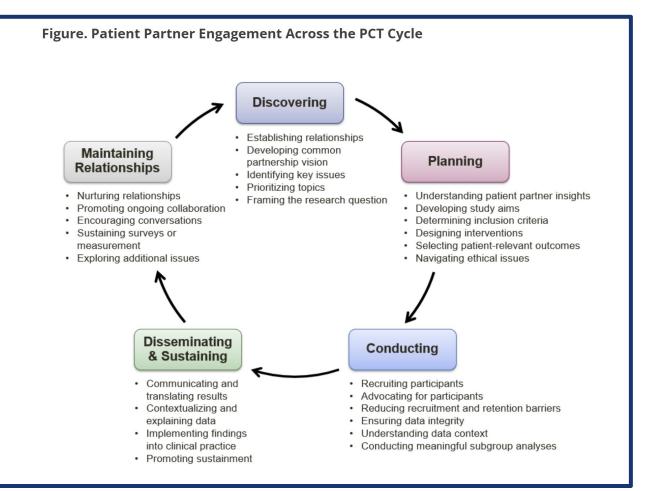


Throughout the ePCT Lifecycle





Throughout the ePCT Lifecycle



A menu of evidence-based resources for co-designing a trial specific framework maybe the most effective option (Greenhaulgh et al 2019)



Value of Patient Engagement - BEVEST

- Burden of living with or managing a health condition
- Expectations of benefits
- Views on importance of potential treatment outcomes
- Experience with treatments, including side effects
- Symptoms experienced and how these affect day-to-day functioning
- Tolerance for harms or risks, including what acceptable tradeoffs



Examples from NIH Collaboratory Trials

Chenchen Wang, MD, MSc – Tufts Medical Center Eric Roseen, DC, PhD – Boston Medical Center Robert Saper, MD, MPH – Cleveland Clinic Helen Lavretsky, MD, MS – UCLA Health



TAICHIKNEE Remote Tai Chi for Knee Osteoarthritis:

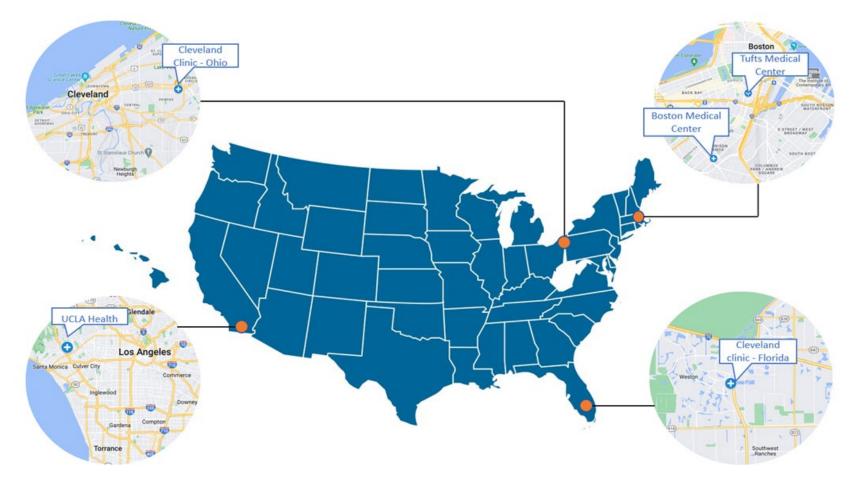
Remote Tai Chi for Knee Osteoarthritis an Embedded Pragmatic Trial

- UG3: Compare the effects of a remotely delivered web-based Tai Chi intervention versus routine care for patients with knee pain due to osteoarthritis
- 20-25 clinics across 4 health systems
- 600 expected patients
- Patient-level randomization stratified by site
- Pain interference





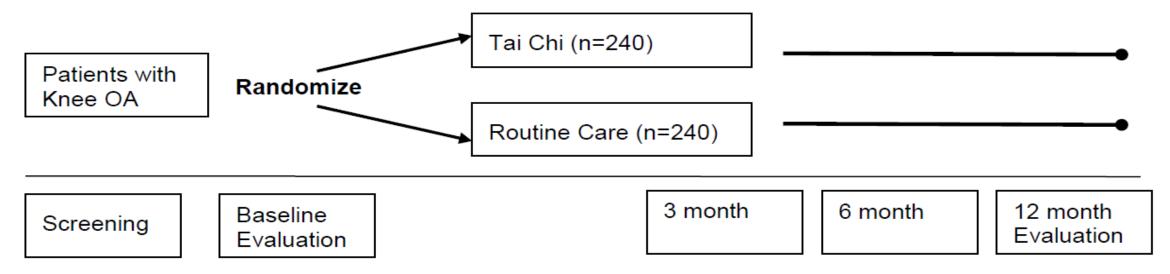
Large and diverse population in four geographic regions



Major Goal: To study "real world" effectiveness and implementation of Tai Chi versus routine care for Knee Osteoarthritis (OA) Pain across four US Health Care Systems.

TAICHIKNEE Trial Overview

Population	Adults over 50 years with Symptomatic knee OA (ACR Criteria)	
Setting	Primary care clinics in four healthcare systems	
Design	A hybrid type 1 effectiveness-implementation pragmatic trial	
Interventions	Remote tai chi (3-month twice weekly) versus Routine Care	
Clinical	Pain interference (primary)	
outcomes	Knee Pain, Function, Pain medication, Quality of life (secondary)	
Implementation outcomes	Feasibility of implementation strategies	





 Evaluate barriers/facilitators to Tai Chi adoption for knee OA in four healthcare systems.

• To inform a large hybrid type 1 effectiveness-implementation pragmatic trial of remotely-delivered Tai Chi for knee OA.



UG3 planning phase: Identify multilevel (patient, provider, instructor, and health system leadership) barriers and facilitators of embedding a web-based Tai Chi intervention.

Stakeholder type	Total (n=55)	Cleveland (n=17)	BMC (n=14)	Tufts (n=12)	UCLA (n=12)
Patients w knee OA	10	3	1	3	3
Primary care provider	13	4	3	3	3
Tai Chi Instructor	12	1	5	3	3
Healthcare system leader	15	5	5	2	3
Other*	5*	4*	0	1*	0

In-depth stakeholder interviews among 55 participants from four healthcare systems revealed key barriers/facilitators

Common Barriers/Facilitators: The adaptability of Tai Chi, challenge of describing Tai Chi to patients, and ability to make referrals in electronic health record

These will inform a pragmatic effectiveness-implementation trial of remote Tai Chi for 480 patients with knee OA across four large healthcare systems.

Participant characteristics

Characteristics	Total (n=55)	Cleveland (n=17)	BMC (n=14)	Tufts (n=12)	UCLA (n=12)
Mean Age	57	56	57	58	57
Age Range	36-85	36-85	38-80	45-72	38-76
Female, %	55	59	50	33	75
Hispanic ethnicity, %	9	18	7	8	0
Race, %					
White	51	59	57	67	17
Black	20	18	36	8	17
Asian	20	18	7	17	42
Ever practiced tai chi? Yes, %	54	41	50	58	75
Prior healthcare for knee pain? Yes, %	54	53	57	67	42

Discussion and Questions, Part 1

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Example from a NIH Collaboratory Trial

Natalia E. Morone, MD, MS Boston University/Boston Medical Center



OPTIMUM Group-Based Mindfulness for Patients With Chronic Low Back

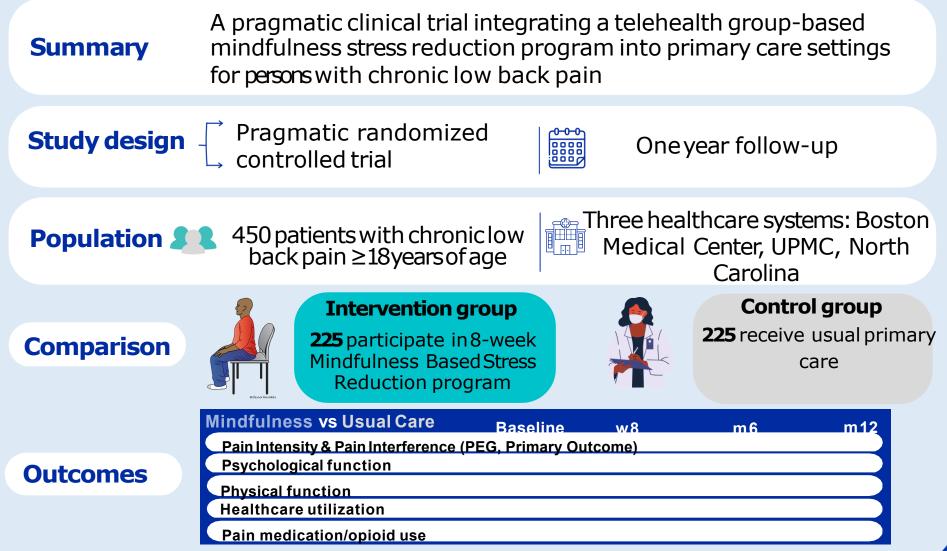
Pain in the Primary Care Setting

- UH3: Evaluating effectiveness of a groupbased mindfulness intervention for patients with chronic low back pain in a usual care setting
- 3 health systems
- 450 expected patients
- Individual randomization
- Pain, enjoyment of life, and general activity (PEG scale)

Optimum Optimizing Pain Treatment in Medical Settings Using Mindfulness



Optimizing Pain Treatment in Medical Settings Using Mindfulness





Barriers

- Patient not familiar with technology
- Patient with competing obligations
- Patient not understanding why patient reported outcomes are asked more than once

Optimum Optimizing Pain Treatment in Medical Settings Using Mindfulness

Approaches

• Technology orientation/one-on-one time

• Offer telehealth group medical visit when most convenient (participants asked) and flexible around where they participate (in their car-not driving)

• Describe PROs and their purpose in different settings (not only informed consent but during routing follow up)

Optimizing Pain Treatment in Medical Settings Using Mindfulness

Example from a PMC Collaboratory Trial

Steven George PT, PhD, FAPTA Duke University



Improving Veteran Access to Integrated Management of Back Pain (AIM-Back): An Embedded Pragmatic, Cluster Randomized Trial

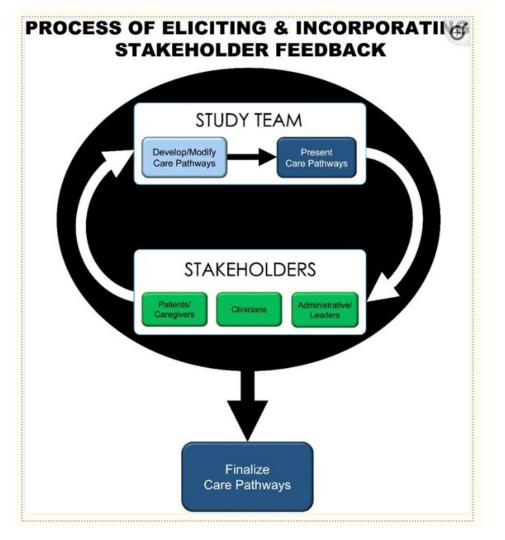
- UH3: Comparative effectiveness of two different nonpharmacologic care pathways for Veterans with low back pain
- 1 health system (VA)
- 9 primary care clinics, 9 states
- 1815 enrolled
- Cluster randomization (2 blocks)
- Pain interference and physical function (PROMIS-SF)





AIM-Back Engagement Process

(Ballengee et al, Clin Trials, 2023)



Part 2 ²	"How do each of these pathways	Patients and caregivers (n=12):
	align/not align with Veterans'	
	needs, preferences, and	Nine Veterans
	expectations related to low back	Two Veterans who are care partners
	pain?"	of Veterans
		One civilian care partner of a Veteran
	"Specific to Integrated Care	
	Pathway: In this pathway, Veterans	The focus group was comprised of
	will receive individualized physical	male and female Veterans with a
	activity instruction one time per	variety of military service
	week for six weeks, via phone or	backgrounds from the Vietnam, Gulf
	telehealth. How do you think	War, and OEF/OIF/OND eras.
	Veterans will respond to this	
	approach?"	
	"Specific to Coordinated Care	
	Pathway: What type(s) of health	
	care professional(s) do you think	
	Veterans would feel most	
	comfortable interacting with in the	
	Pain Navigator Role?"	



AIM-Back Engagement Process

(Ballengee et al, Clin Trials, 2023)

Barriers

- Care for low back pain is highly variable
- Local resources available for care delivery variable too
- Creating and implementing two structured nonpharmacologic care pathways with equipoise

Approach

- Engage with multiple groups for pathway input
- Sequential cohort design
- Feedback solicited from multiple groups at multiple time points



AIM-Back Engagement Process (Ballengee et al, *Clin Trials*, 2023)

Sequenced Care

- Specifying type of pain modulation that can be received during in person visits
- Reducing total number of physical therapy visits
- Integrate physical activity counseling between in person visits

Pain Navigator

- Flexibility in providers that can be navigators and medium for telehealth interactions (phone and video)
- Move away from stepped care model, towards one with feedback loops
- Specifying criteria for patient discharge



Discussion and Questions, Part 2

Promoting Patient Engagement in ePCTs

