Novel approaches to recruiting clinical sites for embedded pragmatic clinical trials: Insights from the AIM-back trial

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Disclosures

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- The content of this work does not represent the views of the U.S. Department of Veterans Affairs or the United States Government.

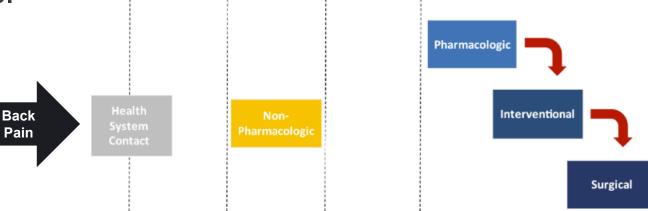
Motivation for AIM-Back

Low back pain (LBP) is a leading cause of disability among US Veterans.

Non-drug treatments for LBP have been endorsed by clinical guidelines and multiple entities like CDC, WHO, ACP.

Goal of restructuring care processes and pathways to promote use of existing

guideline-supported clinical practices.



What is AIM-Back?



 Embedded pragmatic cluster randomized trial comparing two novel clinical programs that promote early access to non-pharmacologic care for low back pain in the VA







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Embedded pragmatic cluster randomized trial comparing two novel clinical programs that provide early access to non-pharmacologic care for low back pain in the VA









Pragmatic vs Explanatory Randomized Trial

Embedded and Pragmatic

- Delivery of core components protocolized; implementation strategies & non-core components flexible
- Trial outcomes (PROs) collected through clinical care encounters
- No financial support from AIM-Back to clinical sites

Cluster Randomized

- Sites delivering guideline-concordant care
 - No patient-level consent in AIM-Back

What is AIM-Back?



Clinics asked to deliver one of two guideline-concordant LBP care pathways

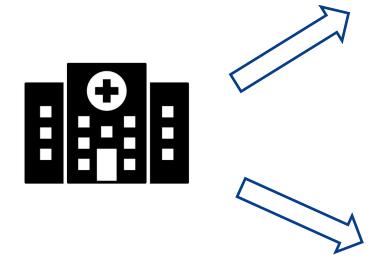
Pathways designed with input from VA clinicians, Veterans, and caregivers

Care pathways initiated by referral from primary care

 Effectiveness measured by improvements in PROMIS pain interference and PROMIS physical function

Care Pathways in AIM-Back





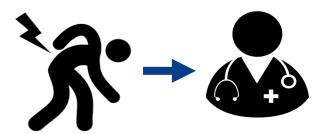
Sequenced Care Pathway

- Onsite physical therapy
- Telehealth physical activity (PA) training and psychologicallyinformed practice (PiP) delivered by a central provider

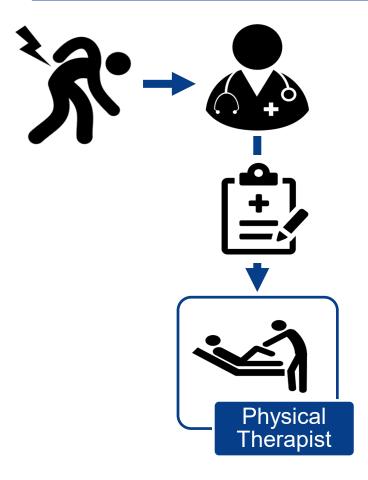
Pain Navigator Pathway

 A "navigator" in the VA provides practical support with treatment decision-making and scheduling.

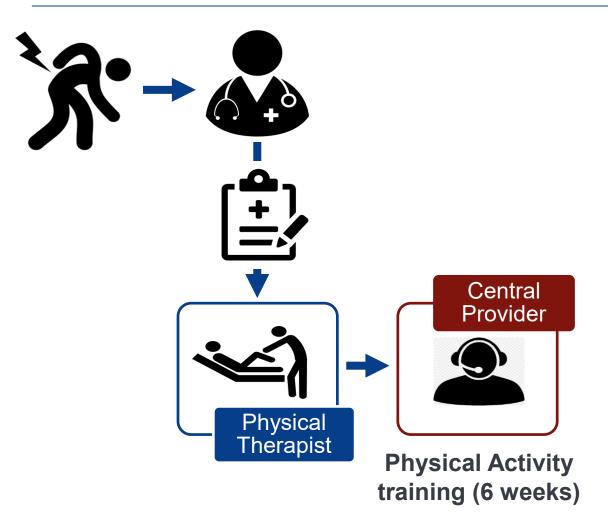




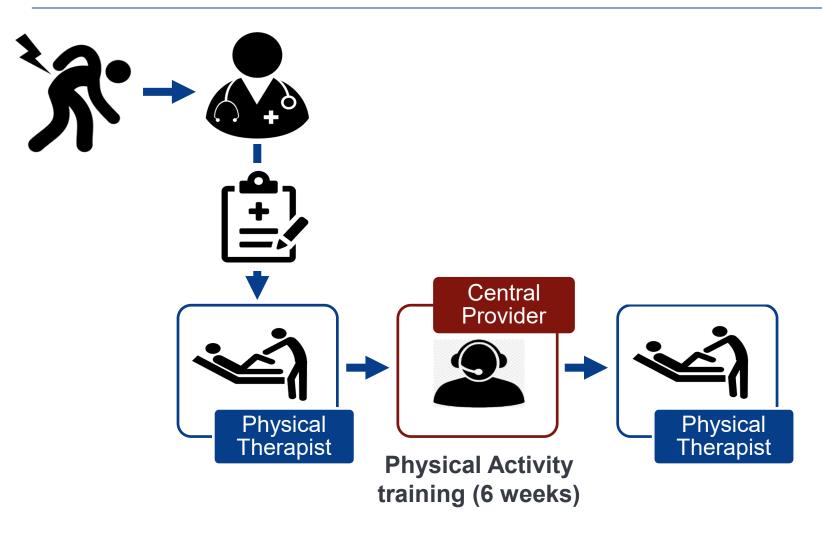




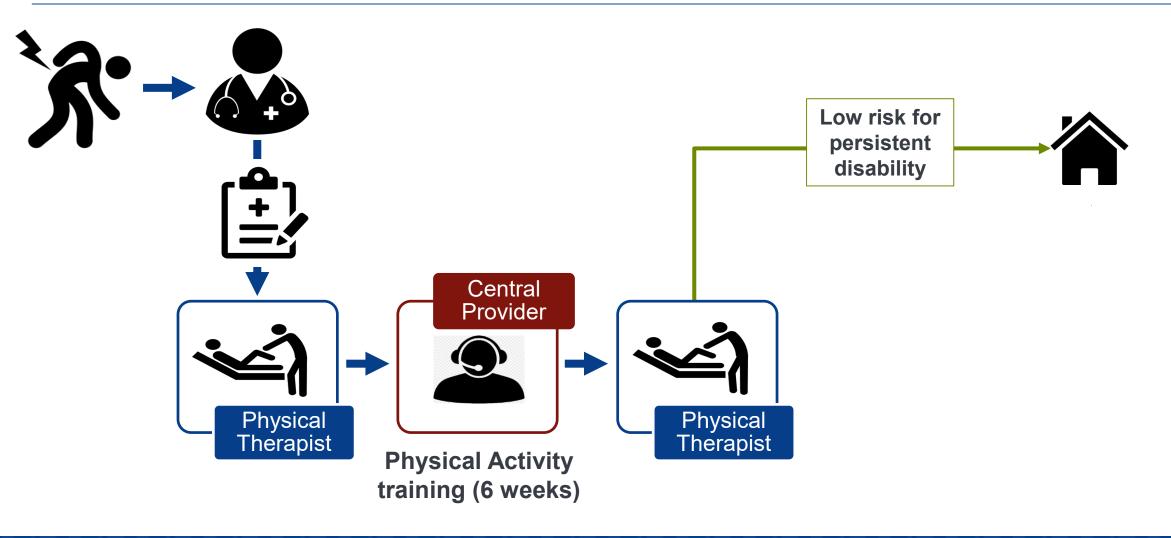




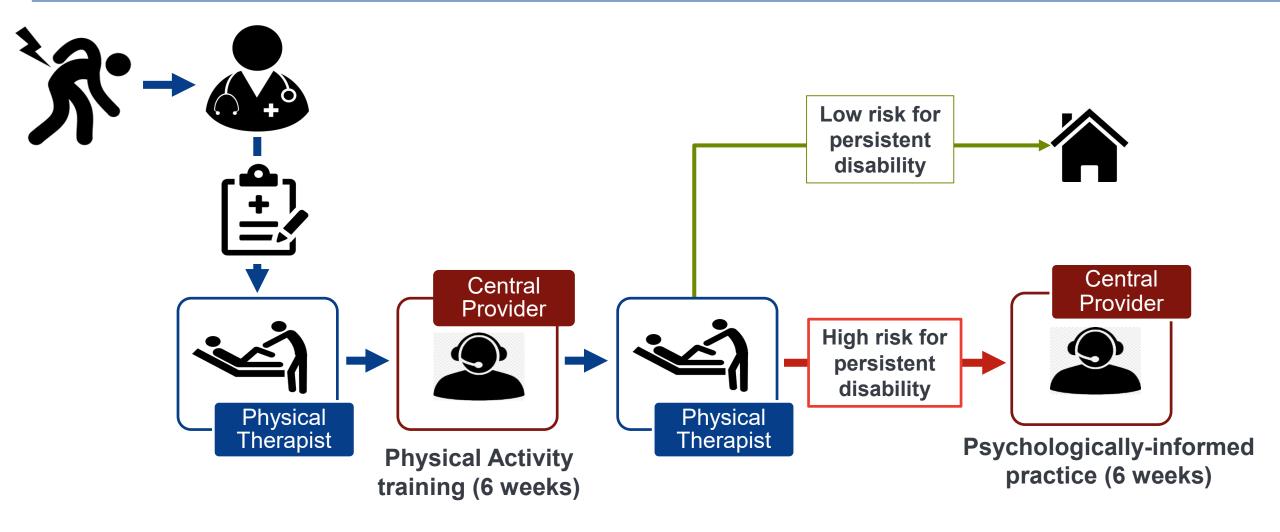




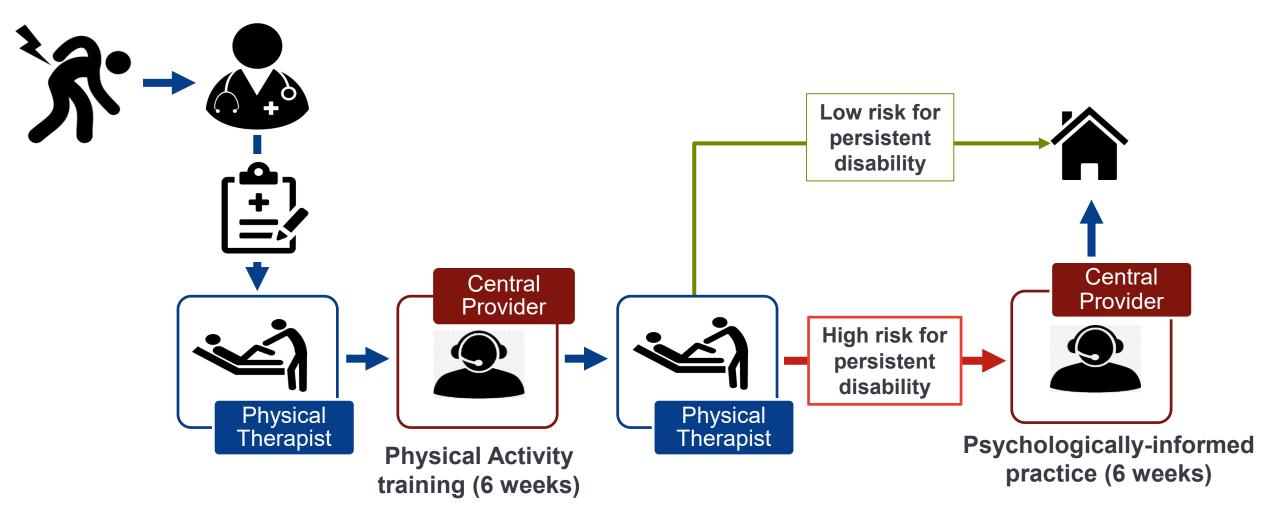






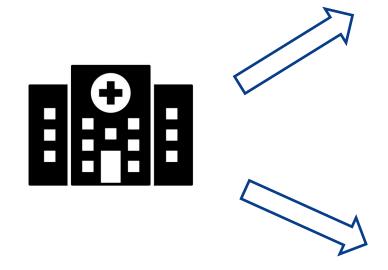












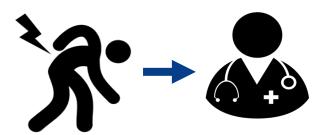
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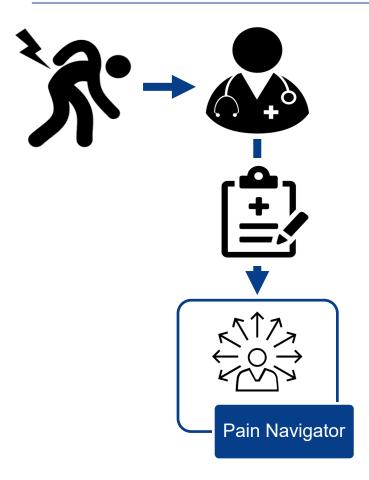
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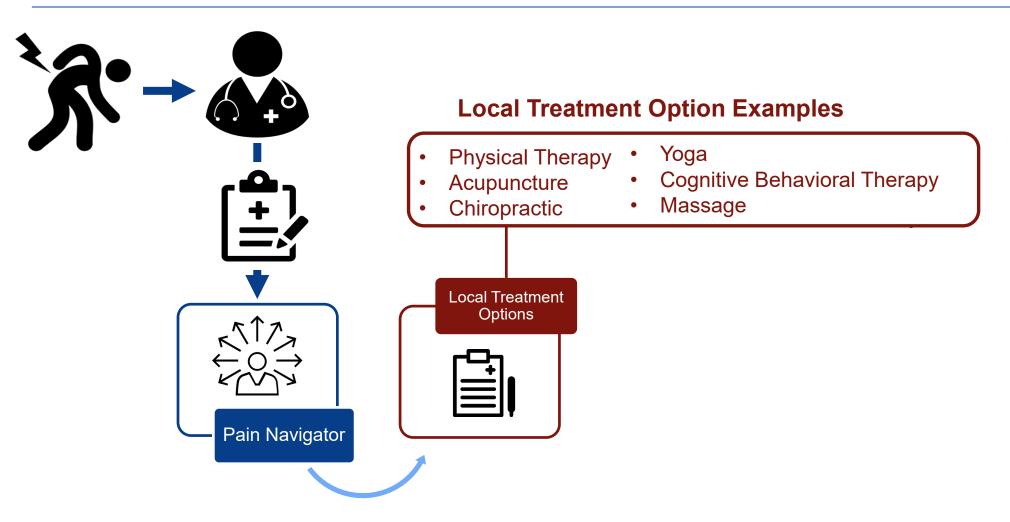




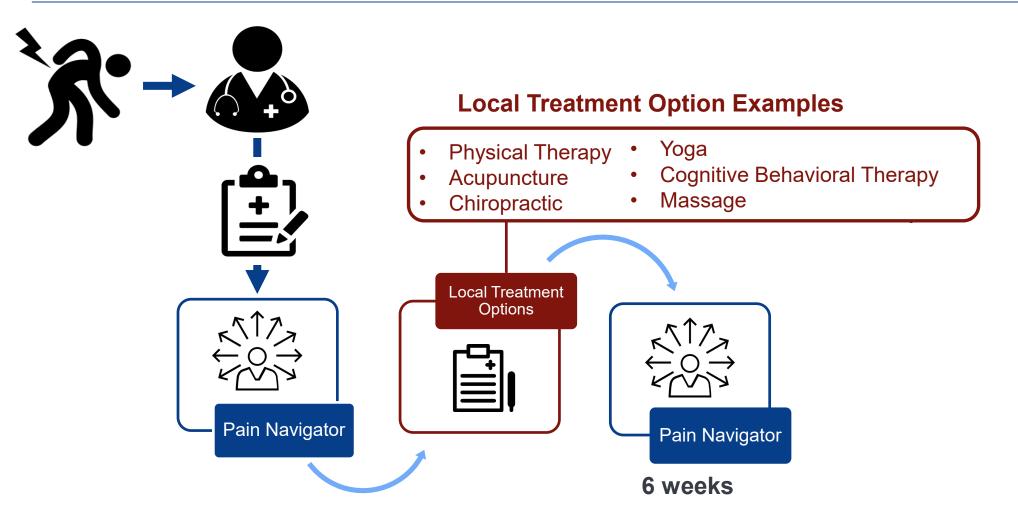




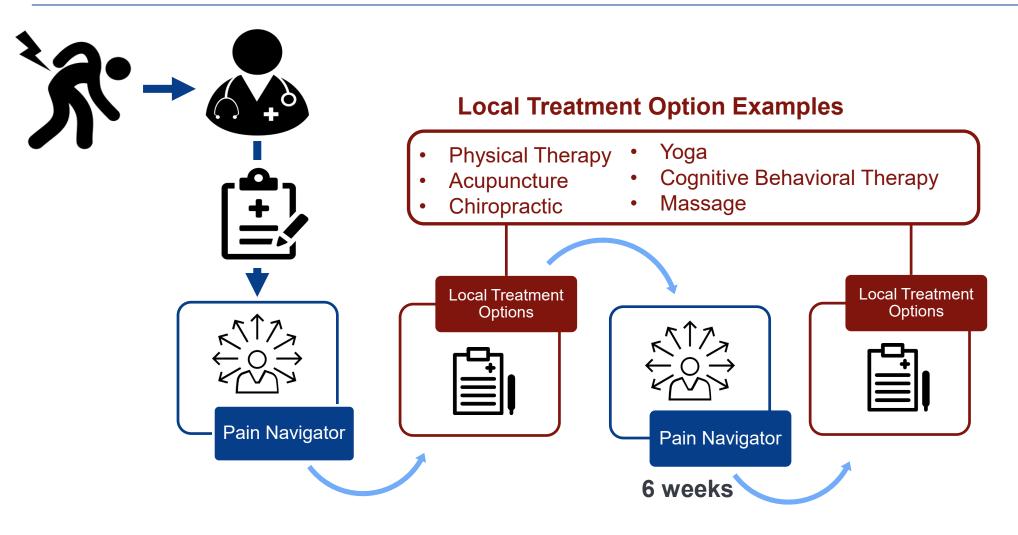




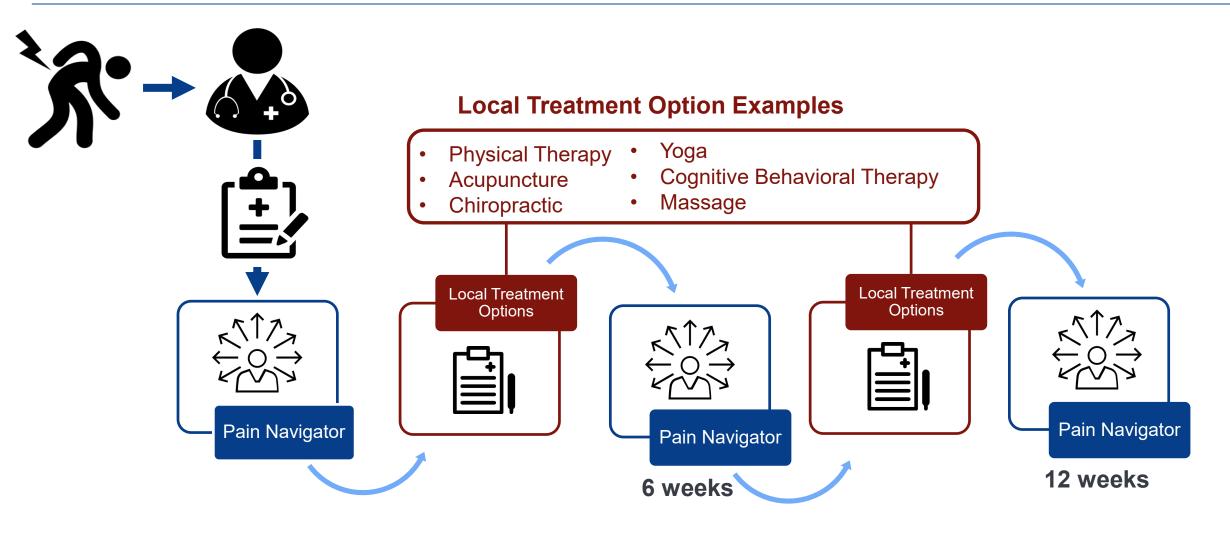












AIM-Back Timeline



- Wave 1 randomization: October 2020
- First participant enrolled: February 2021
- Wave 2 randomization: October 2021
- Final participant enrolled: February 2024
- Primary results are in review

Operationalizing Site Recruitment





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Novel approaches to recruiting clinical sites for embedded pragmatic clinical trials: Insights from the AIM-back trial

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d Center of Innovation to Accelerate Discovery and Practice Transformation, Durham Veteran Affairs Medical Center, Department of Population Health Sciences, Duke University School of Medicine, Durham, NC, USA

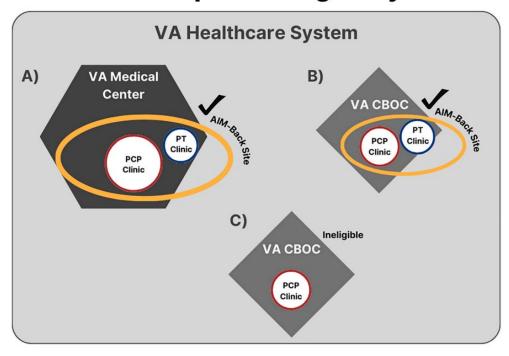
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Who Were We Recruiting?

Participation Eligibility



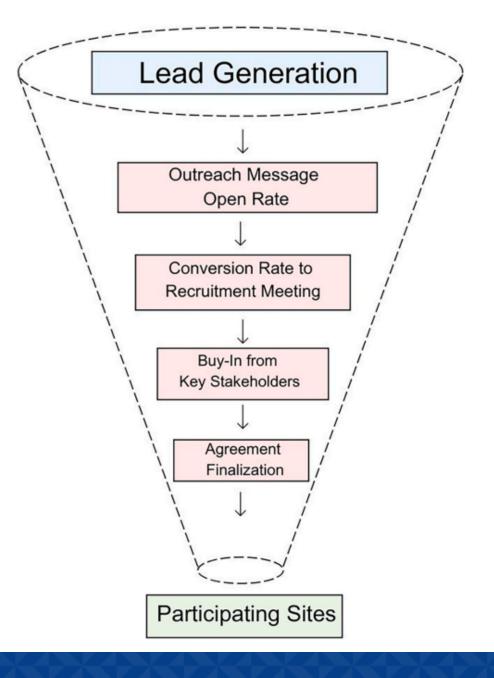
Goal: 18-20 Clinical Sites

- ✓ VA PT clinic with clinical capacity
- ✓ Leadership buy-in
- ✓ No referral/staff overlap with other sites
- ✓≥800 to ≤5000 annual LBP visits**

Our Recruitment Approach

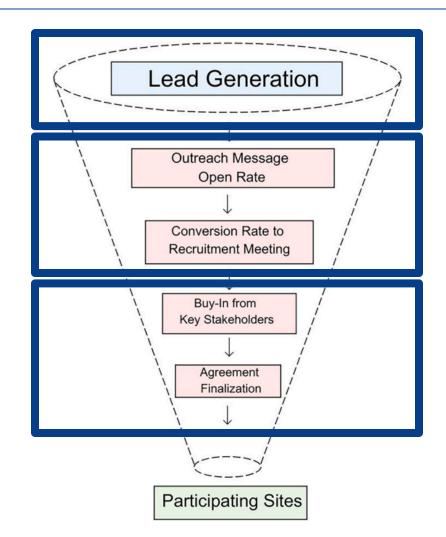
- Adapted business sales funnel
- Systematic identification, qualification, conversion
- ■Wide lead pool → staged engagement → site selection





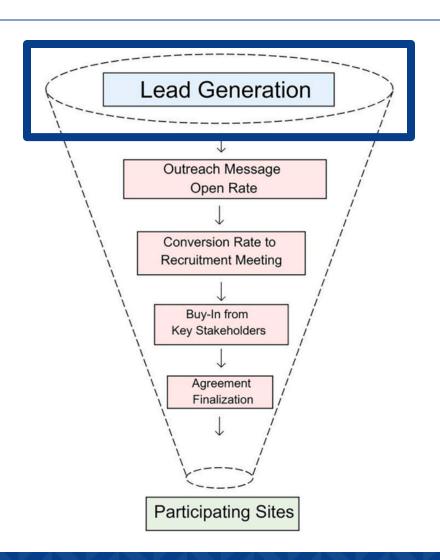
Three-Step Site Recruitment Framework

- 1) Identify
- 2) Approach
- 3) Engage & Select



Step 1: Identifying Recruitment Leads

- -Warm Market Engagement(Personal contacts, re-approached prior leads)
- Leveraging Data
 - VA CDW, LinkedIn: targeted by provider type and LBP volume
- -Promotional Outreach
 - National VA webinars, VISN calls, alumni listservs

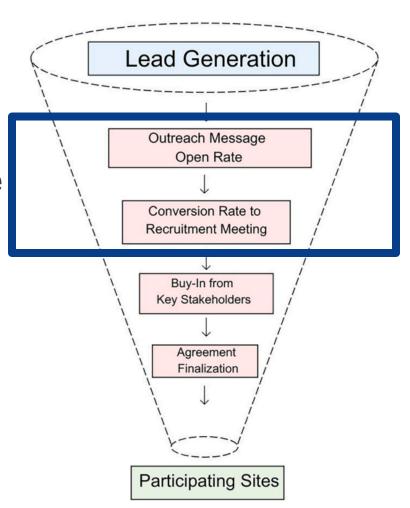


Step 2: Approaching Leads

High-volume, tailored outreach optimized for responsiveness

- Open rates Dependent on subject line
- Conversation rates Dependent on value proposition

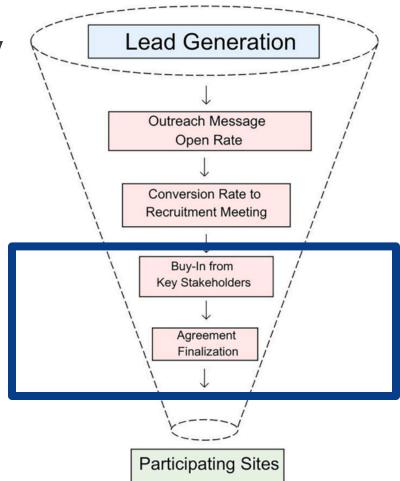
Messaging focused on helping clinicians solve *their* problems — not asking for their help with *our* research.



Step 3: Engaging & Selecting Sites

Virtual recruitment meetings with key stakeholders

- Engage personnel at all levels involved
- Assess feasibility and buy-in
- Focus on local value proposition and alignment





Recruitment Outcomes

184 leads (**53** VA HCS)

23 VA HCS with Recruitment Meetings

10 VA HCS Agreed to Participate

19 Sites Selected

17 Sites Participated

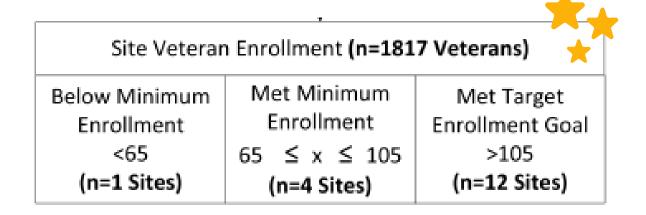
VA HealthCare Systems Participating (N= 10 HCS / 19 Clinics)

Recruitment Strategies

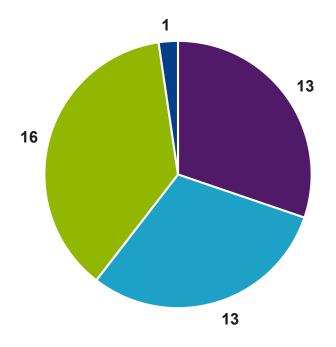
- Warm Market Engagement: 4 (21.1%)
- Leveraging Data: 6 (31.6%)
- Promotional Efforts: 9 (47.4%)

Median time from *initial* contact to participation

- Block 1: 3.8 months
- Block 2: 3.6 months



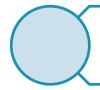
VA HealthCare Systems Not Participating (N=43)



- No Response to Initial Outreach
- Lost Communication during Outreach
- HCS Declinations
- Other

Reason for HCS Declination	# HCS (16)
Reluctance to alter existing programs	6
Resource Constraints	4
Participation in Competing Trials	3
Insufficient infrastructure or personnel	2
No Reasons Identified	1

What Worked Well



Focused on clinician leads, not researchers

Recruitment Challenges



Considerations Beyond the Veterans Administration

Lead Source	Details
NPI Registry	Public national database of all U.S. providers
LinkedIn	Professional networking/search platform
HRSA Data Warehouse	Federal list of FQHCs and safety-net clinics
Professional Societies	Professional society directories by specialty (e.g., APTA / ACP / AMSSM)
Hospital Directories	Information kept on all clinician personnel
Conference Attendee Lists	Webinar, town hall, or conference registration/contact lists
ClinicalTrials.gov	Public trial registry with site info

Practical Takeaways for Trialists

Do

- ✓ Build a wide lead list using multiple sources
- ✓ Tailor the value proposition to each stakeholder
- ✓ Track leads systematically and plan bottlenecks
- ✓ Identify site champions early

Don't

- x Underestimate # leads required
- x Rely solely on administrative approval
- x Leave meetings without next steps

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