

Partnering with Health Systems Leadership to Develop a Randomized, Controlled Implementation Trial

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Poll #1: Who's Here?

What is your *primary healthcare role*?

- Researcher
- Operations, VACO-based
- Clinician, mental health
- Clinician, primary care
- Other

Presentation Objectives

- Understand the rationale for partnerships between academic researchers and operational leadership in developing controlled implementation trials.
- 2. Recognize the differences between truly partnered protocol development and task orders.
- Identify complexities, and solutions, in reconciling differences in academic-operational priorities, methods, and perspectives.

Agenda

BHIP: Background on the Operational Initiative

The QUERI/OMHO BHIP-CCM Enhancement Project

Partnering: Where the Rubber Meets the Road

BHIP-CCM Scale Up and Spread

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What is BHIP?

A Behavioral Health Interdisciplinary Program (BHIP) team is a group of mental health professionals (providers and clerical staff) working together to focus on the Veteran's mental health and well-being

BHIP promotes proactive, integrated, comprehensive outpatient general MH care through engaged & effective teams—to facilitate improved Veteran health status

- Collaborative: Increased provider collaboration and improved work processes
- Veteran-Centered: Increased Veteran access to recovery-oriented, evidence-based care
- Coordinated: Improved coordination and continuity of care

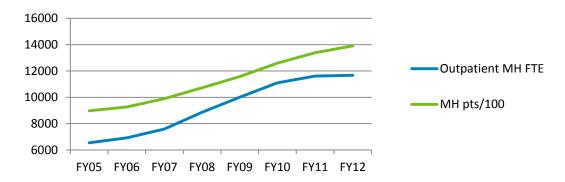
Employee Category	FTEE for MH Team Panel Size of 1,000
Total MH Clinician: Licensed Independent Providers (LIP)/Autonomous Providers	5.1-5.5
Admin. Clerical Support	0.5-1
Non-LIPs	1
Total FTEE	6.6 - 7.5



BHIP Background

- In November 2011, VHA committed to developing an outpatient mental health staffing model to ensure adequate general outpatient MH staffing and timely access to care
- Historically, facilities had flexibility to determine staffing mix based on local resources & needs
- Since FY05, there had been substantial growth in MH treatment demand (outpacing overall VA growth)

Growth in FTE compared to Growth in MH patients



• Initial focus was on developing pilot staffing guidance for general mental health (GMH), with the intent to build an overall, comprehensive MH staffing model, encompassing all of MH

BHIP within MH Continuum of Care

PRIMARY



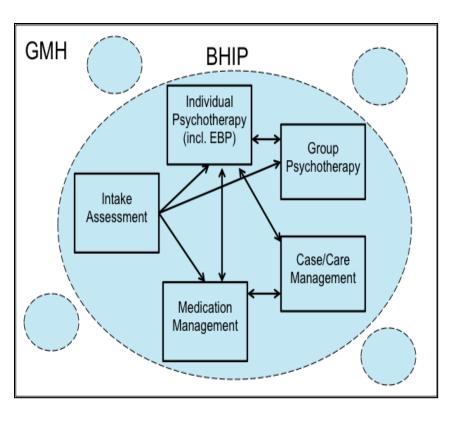
SECONDARY



TERTIARY

General MH

- Self-Referral
- CommunityReferral
- Primary Care
- o PC-MHI



- o PCT
- SUD IOP
- o PRRC
- o ICMHR
 - ¬ RRTP
 - InpatientCare
 - EmergentCare

BHIP Team-Based Care: It's About Relationships

Listening to Veterans

Proactive, personalized, patient-centered care

Improved access

Improved coordination and continuity

Recovery orientation

The right care, at the right time, every time

Working Together

Team member relationships that prioritize communication

Everyone contributes unique strengths and expertise for integrated and coordinated care

Team members offer each other support and coverage

Staying Connected

Long term relationships among MH team including the Veteran

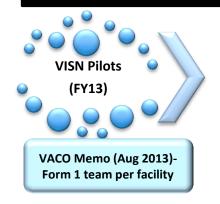
Continuity of care (no one is "lost")

Transparency

- Track patient visits, symptoms, and needs
- Identify and support local innovation
- Gather feedback for improvement

BHIP Implementation Efforts

Initiative Implementation Stages



Learning Collaborative (FY14)



Model Clarification: Collaborative Care Model--CCM (FY15) BHIP Enhancement Project (FY16)

National BHIP/CCM Rollout (FY17)

Maintain 1 team per facility

Incorporate evidence-based CCM
Elements into BHIP Team Practice via
Transformational Coaching

Implementation Resource Development



SharePoint,
National Calls,
Panel Mgmt
Tool (v1), BHIP
Workgroups



SharePoint,
National Calls,
Case Studies prep,
Panel Mgmt Tool
(v2), Workgroups,
BHIP Simulation



SharePoint, National
Calls,
Panel Mgmt Tool (v2),
Workgroups, BHIP
Simulation, Pulse,
Community of Practice,
National Rollout BHIP
CCM

VETERANS HEALTH ADMINISTRATION

BHIP Positive Impacts

Voluntary Expansion of BHIP Implementation Increased focus on teamwork, access & patient care transitions

Improved
Veteran access &
treatment
engagement



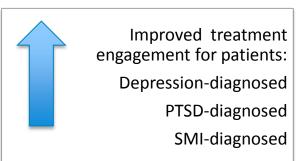
Over time increased:
BHIP teams
Veterans assigned
Staff FTEE assigned





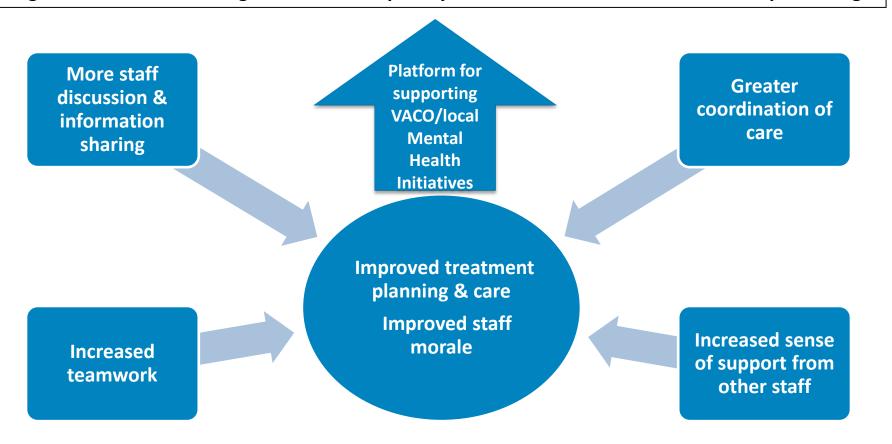
SOPs for same-day access
SOPs between levels of MH care

Team function
Role Clarity
Communication
Signs of improved access
(MOR, new patient)



BHIP Potential Mechanisms: Fostering Team-based Collaboration Leads to Improved Care

Regular BHIP team meetings with interdisciplinary coworkers benefit Veterans & staff, promoting:



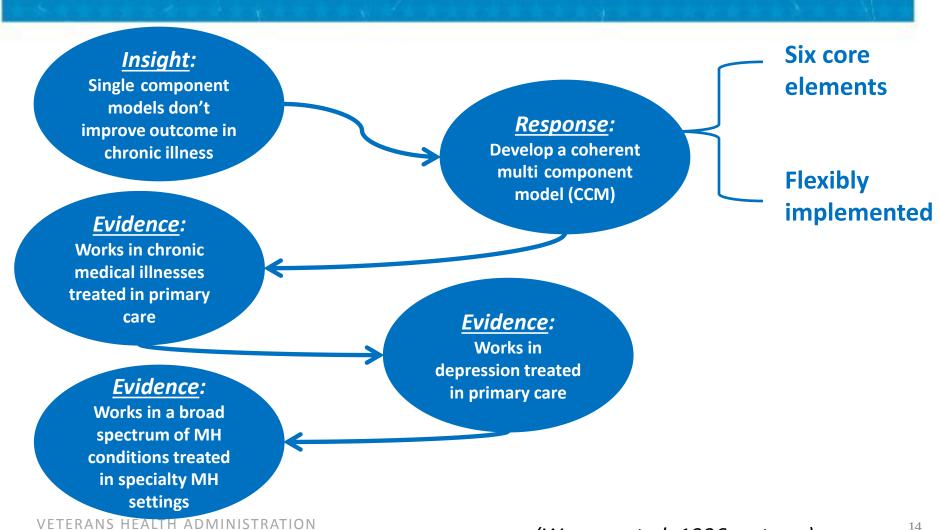
What The Field Has Been Asking For...

Additional national-level resources for BHIP implementation

- Clearer expectations on functions & tasks of BHIP teams
- Clearer role expectations for BHIP team members

How to garner greater facility leadership support & focus on BHIP implementation

Enter: the Collaborative Care Model (CCM)



CCM Elements

CCM Goal: Anticipatory, Continuous, Evidence-Based, Collaborative Care via...

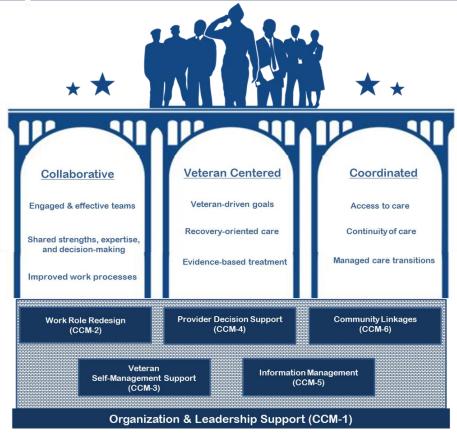
CCM-2: Work Role Redesign	CCM-3: Veteran Self- Management Support	CCM-4: Provider Decision Support	CCM-5: Information Management	CCM-6: Community Linkages
 Care management Need-driven access Activated follow-up 	 Focus on the individual's values and skills Shared decision-making Self-mgt skills Recovery-orientation 	 Provider education Practice guidelines Specialty consultation 	 Population: Registry Provider: Outcome tracking Feedback 	 Additional resources Peer-based support

CCM-1: Organizational Leadership and Support

BHIP-CCM Team-Based Care: Outpatient General Mental Health Care

BHIP

Behavioral Health Interdisciplinary Program Team-Based Care: Fostering Evidence-Based Teams through the Collaborative Care Model



With Integration of CCM, BHIP Can Help Meet VA's Current Highest Priorities

VA Goal	BHIP Focus Area
Access	 BHIP Pillar: Access/Care Coordination CCM-2: Anticipatory, Continuous Care through Process Redesign
Employee Engagement	 BHIP Pillar: Collaborative Teams CCM-1: Organization & Leadership Support
Building a high-performance healthcare network	 ❖ BHIP Pillar: Access/Care Coordination ➤ CCM-4: Provider Decision Support ➤ CCM-6: Community Linkages
Business Practices	 BHIP Pillar: Access/Care Coordination CCM-5: Managing Information about BHIP Veterans
Veterans First: Trust in VA Care	❖ BHIP Pillar: Veteran-Centric Care➤ CCM-3: Self-Management Skills

MH Service Goals Before and After BHIP Team Rollout

Before	After
Some providers may be practicing individually in discipline-specific or specialty-specific silos	Interdisciplinary, team-based care
Some providers may not be practicing at the top of their license/scope of practice	Practicing closer to top of license/ scope
Admin support varies widely across the system	More consistent admin support for teams
Often there is limited or no dedicated time for indirect patient care activities	Dedicated time for indirect patient care activities
Care transition leads to multiple, duplicative consults across specialties	Care transition is collaborative, anticipated, and goal-oriented

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Partnering: Where the Rubber Meets the Road

BHIP-CCM Scale Up and Spread

BHIP Enhancement Project: Overview / Aims

Office of Mental Health Operations *operational initiative*

- Goal: Establish team-based care in all general MH clinics in VA
- 2015: OMHO adopted the Collaborative Chronic Care Model (*CCM*) as the model for BHIP teams

QUERI project: *Randomized controlled trial* of "blended facilitation" to help this happen (9 sites)

BHIP Enhancement Project: Aims & Brief Overview

Hypotheses:

Facilitation \rightarrow CCM-ness \rightarrow improved outcomes:

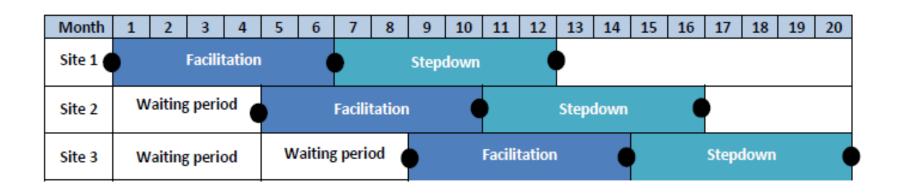
- Veteran health status, perceptions of care
- Provider perceptions of CCM-ness
- Administrative measures of fidelity to BHIP/CCM

BHIP Enhancement Project: Aims & Brief Overview

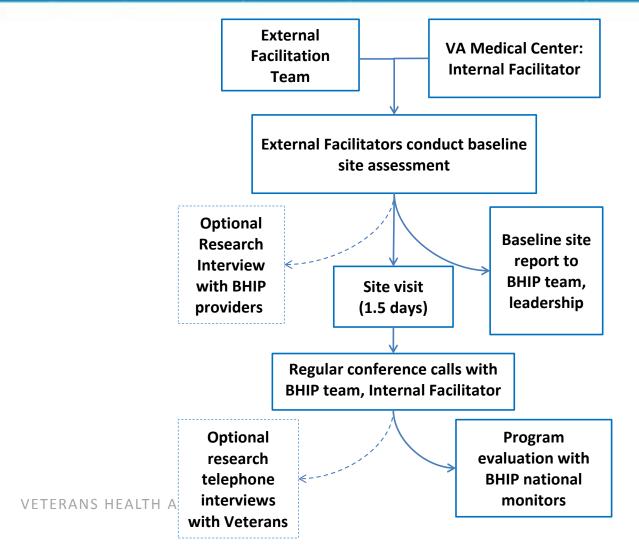
Study Design

- "Stepped wedge" design (see next slide)
- Add blended facilitation to enhanced technical assistance
 - External Facilitator [study staff] partners with Internal Facilitator [facility staff]
 - Pre-site visit assessment
 - 1.5-day site visit
 - Regular phone/video meetings for 12 months: teambuilding & process redesign
 - Workbook-guided: **BHIP Enhancement Guide**

Stepped Wedge Design

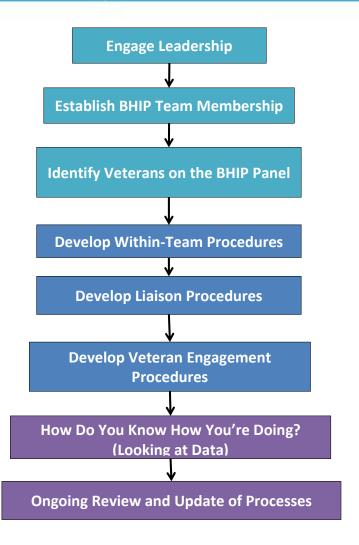


BHIP Enhancement Project: A 12-month Quality Improvement/Research Project



BHIP-CCM Enhancement Guide for blended, virtual facilitation





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Design Element	Operational Considerations	Researcher Considerations
Sites and Population		
The BHIP	 Need timely results to inform 	 Sells the project to facilities
operational	ongoing process	 Increases sustainability
initiative has	Can capitalize on momentum	 Stepped wedge addresses
already begun	of the system to engage sites	secular trends

Design Element	Operational Considerations	Researcher Considerations
	Sites and Populatio	n
The BHIP operational initiative has already begun	 Need timely results to inform ongoing process Can capitalize on momentum of the system to engage sites 	 Sells the project to facilities Increases sustainability Stepped wedge addresses secular trends
Identifying the population of facilities to target	 Slower-to-adopt facilities are focus 	 Avoid ceiling effects (high performers) and insufficient commitment to change (laggards)

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Identifying the population of facilities to target	 Slower-to-adopt facilities are focus 	 Avoid ceiling effects (high performers) and insufficient commitment to change (laggards)
Site recruiting	 National & regional communications structure enhances facility identification and endorses the project 	 Provides access beyond "usual suspect" and "friends of friends" facilities to enhance external validity

Poll #2: Sites and Populations

We've discussed *identifying sites and populations* with our operations/research partners and resolved them...

- ...easily.
- ...and it took longer and was harder than expected.
- ...and we're still working on it.
- We've not had the occasion to have such conversations (yet...).

Design Element Operational Considerations Researcher Considerations

Intervention & Design

All sites to receive implementation support

- Justifies the project on policy level
- Can be a site recruiting tool

- Stepped wedge accommodates this
- Design supports formative evaluation

Design Element	Operational Considerations	Researcher Considerations
	Intervention & Desig	n
All sites to receive implementation support	 Justifies the project on policy level Can be a site recruiting tool 	Stepped wedge accommodates thisDesign supports formative evaluation
Balance in randomization	 Experience-based expertise contributes identifying characteristics of success 	 Sophisticated algorithm for balancing

Design Element	Operational Considerations	Researcher Considerations
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All sites to receive implementation support	 Justifies the project on policy level Can be a site recruiting tool 	Stepped wedge accommodates thisDesign supports formative evaluation
Balance in randomization	 Experience-based expertise contributes identifying characteristics of success 	 Sophisticated algorithm for balancing
Control condition	 Sites seek as much support as possible, as soon as possible 	 Researchers need a credible contrast condition Need to engage later sites

Design Element	Operational Considerations	Researcher Considerations
	Intervention & Desig	n
All sites to receive implementation support	Justifies the project on policy levelCan be a site recruiting tool	Stepped wedge accommodates thisDesign supports formative evaluation
Balance in randomization	 Experience-based expertise contributes identifying characteristics of success 	 Sophisticated algorithm for balancing
Control condition	 Sites seek as much support as possible, as soon as possible 	 Researchers need a credible contrast condition Need to engage later sites
Length of implementation support	 Experience-based expertise suggests one year needed 	Timeliness requires steps in wedge of four months

Design Element	Operational Considerations	Researcher Considerations
	Intervention & Study Design	n (cont)
Use existing VAMC staff without external support	No additional clinical or administrative staff	Sustainability more likelyDistinct scientific contribution beyond RCTs

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	Intervention & Study Design	n (cont)
Use existing VAMC staff without external support	 No additional clinical or administrative staff 	Sustainability more likelyDistinct scientific contribution beyond RCTs
Quality improvement vs. research	 A facility's participation in this implementation project is optional Staff participation in their facility's BHIP is not optional 	 Providers can choose not to participate in qualitative interviews. Veterans can choose not to participate in health status and perception of care assessments.

Design Element	Operational Considerations	Researcher Considerations	
Intervention & Study Design (cont)			
Use existing VAMC staff without external support	No additional clinical or administrative staff	Sustainability more likelyDistinct scientific contribution beyond RCTs	
Quality improvement vs. research	 A facility's participation in this implementation project is optional Staff participation in their facility's BHIP is not optional 	 Providers can choose not to participate in qualitative interviews. Veterans can choose not to participate in health status and perception of care assessments. 	
Videoconference and telephone for external facilitation	 Budget will not support frequent site visits by external facilitators 	 Provides greater likelihood of spread of intervention strategy 	

Poll #3: Intervention and Study Design

We've discussed *intervention development and study design* with our operations/research partners and resolved them...

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Design Element Operational Considerations Researcher Considerations

Outcome Assessment & Analysis

Both quality and health status implemented and (b) whether CCM can be implemented and (b) whether CCM-guided BHIP teams have impact on health care outcomes

- Hybrid Type III designs address implementation & health status outcomes

Design Element	Operational Considerations	Researcher Considerations	
Outcome Assessment & Analysis			
Both quality and health status impacts are important	 Priorities: (a) whether CCM can be implemented and (b) whether CCM-guided BHIP teams have impact on health care outcomes 	 Hybrid Type III designs address implementation & health status outcomes 	
Outcome domains and appropriate instruments	 Program fidelity measures must be streamlined and benchmarked against national data 	 Patient-level measures must be psychometrically valid and feasible 	

Design Element	Operational Considerations	Researcher Considerations	
Outcome Assessment & Analysis			
Both quality and health status impacts are important	 Priorities: (a) whether CCM can be implemented and (b) whether CCM-guided BHIP teams have impact on health care outcomes 	 Hybrid Type III designs address implementation & health status outcomes 	
Outcome domains and appropriate instruments	 Program fidelity measures must be streamlined and benchmarked against national data 	 Patient-level measures must be psychometrically valid and feasible 	
Analyses must contribute in an operationally useful time frame	Three-year outcomes help plan strategy for next initiatives, but are too late for tactical improvements	 Design and analysis plan accommodates "early looks" at the data 	

Poll #4: Outcomes and Analyses

We've discussed *outcome methods and analyses* with our operations/research partners and resolved them...

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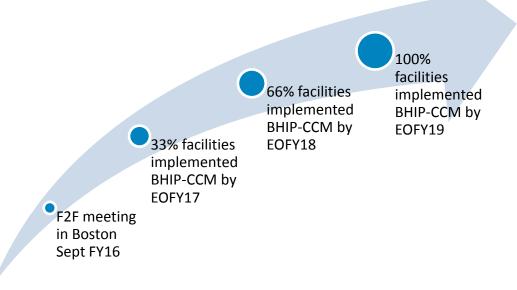
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The future: FY17-19 BHIP-CCM National Transformational Coaching Rollout

National Scale-up of BHIP Enhancement Project

- Goal: Establish national, scalable, sustainable support structure for implementing evidence-based BHIP-CCM (rollout 30+ facilities by EOFY17; all facilities by EOFY19)
- Expected Outcome: Utilize external/internal facilitation to promote implementation of CCM-based BHIP teams which improve Veteran health status and satisfaction with care



Resources

Bauer MS, Miller C, Kim B, Lew R, Weaver K, Coldwell C, Henderson K, Holmes S, Nealon Seibert M, Stolzmann K, Elwy AR, Kirchner J.

"Partnering with health system operations leadership to develop a controlled implementation trial"

Implementation Science 2016; 11:22

Contact Information

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Questions?



Upcoming Presentation...

Tuesday, January 24th at 12pm ET

User-Centered Reporting for Frontline MOVE! Providers: Aiming for Pyramid Analytics and Ending up in Excel

Laura Damschroder, MS, MPH | Caitlin Kelley, MSI | Jennifer (Davis) Burns VA HSR&D Center for Clinical Management Research (CCMR)