



HEALTH

***SAMHSA Primary & Behavioral Health
Care Integration (PBHCI) Program***

“A Snapshot of the 2009 Grantees”

Grantee’s Meeting

April 27, 2010

*Areas of Focus**

- The big picture
- Similarities across grantees relevant to evaluation design (not many)
- Differences across grantees relevant to evaluation design (a lot)
- What does this mean for designing a program evaluation?

** Information obtained from PBHCl grantee applications, PBHCl-RAND grantee consultations, and 1st SAMHSA Quarterly Reports*

The Big Picture

PBHCI Programs, Agencies & Locations

PBHCI Programs (n=13)	Total Participating Mental Health/ Substance Abuse Agencies (n=16)	Total Participating Mental Health Locations (n=18)
Bridges	Bridges Birmingham Harbor Health	Bridges Birmingham Harbor Health
Care Plus	Care Plus	Paramus
Center for Families and Children (CFC)	CFC	East West Southwest
CODAC	CODAC	East Clinic
Greater Nashua	Greater Nashua	Main
Human Services Center (HSC)	HSC	Outpatient Office
Mental Health Center of Denver (MHCD)	MHCD	Vine Street
Mental Health Systems (MHS)	MHS Community Research Foundation	North Inland Maria Sardina
Oklahoma Department of Mental Health (grantee & fiduciary)	Central Oklahoma Community Health Center (COCMH)	Alameda Avenue
Pennyroyal	Pennyroyal	Christian County
Shawnee Mental Health Center	Shawnee Mental Health Center	Portsmouth
Southeast	Southeast	Downtown
VIP	VIP	Substance Abuse Programs

Annual Patient Volume, Staff & Type of Location

PBHCI Programs	Mental Health Locations	Annual Patient Volume	Total Staff	Rural/Urban
Bridges	Bridges	4,950	158	Urban
	Birmingham	940	183	Urban
	Harbor Health	1,455	90	Urban
Care Plus	Paramus	4500	45	Urban
Center for Families and Children	East	1,175	25	Urban
	West	1,095	24	Urban
	Southwest*	874	16	Urban
CODAC	East Clinic	1,000	287	Urban
Greater Nashua	Main	5,000	150	Urban
Human Services Center	Outpatient Office	4,200	90	Urban
Mental Health Center of Denver	Vine Street	803	42	Urban
Mental Health Systems	MHS-North Inland	940	12	Urban
	CRF-Maria Sardina	805	9	Urban
Oklahoma Department of Mental Health	COCMH	2,468	145	Mostly Rural
Pennyroyal	Christian County	6,224		Rural
Shawnee Mental Health Center	Portsmouth	6,082	107	Rural
Southeast	Downtown	3,500	120	Urban
VIP	Substance Abuse Programs	2,000	200	Urban

Services Available Prior to PBHCI Program

PBHCI Programs	Mental Health Agencies	Primary Care	Outpatient	Residential	Crisis/ Emergency	SUD Treatment
Bridges	Bridges	X	X			X
	Birmingham	X	X			X
	Harbor Health	X	X			X
Care Plus	Care Plus		X	X	X	X
Center for Families and Children	CFC		X			X
CODAC	CODAC		X	X		X
Greater Nashua	Greater Nashua		X	X	X	X
Human Services Center	HSC	X	X	X	X	X
Mental Health Center of Denver	MHCD		X			X
Mental Health Systems	MHS		X			X
	CRF		X	X		X
Oklahoma Department of Mental Health	COCMH		X	X	X	X
Pennyroyal	Pennyroyal		X		X	X
Shawnee Mental Health Center	Shawnee Mental Health Center	X	X		X	
Southeast	Southeast	X	X	X	X	X
VIP	VIP	X	X	X		X

Nature/Type of Primary Care Partnerships

PBHCI Programs	Mental Health Agencies	Primary Care Partner	Length of Partnership	Type of Agreement
Bridges	Bridges	Hill Health Center	> 1 year	MOUs, Business Associate
	Birmingham	Hill Health Center	> 1 year	
	Harbor Health	Hill Health Center	> 1 year	
Care Plus	Care Plus	None	-	-
Center for Families and Children	CFC	Free Medical Clinic of Greater Cleveland	New	Contract likely
CODAC	CODAC	El Rio Community Health Center	<1 year	MOA
Greater Nashua	Greater Nashua	Nashua Area Health Center	2	Contract
Human Services Center	HSC	Heartland Community Healthcare Clinic	5	Contract
Mental Health Center of Denver	MHCD	Denver Health	15	Interagency Agreement
Mental Health Systems	MHS	Neighborhood Healthcare	3	MOU
	CRF	Imperial Beach Health Center	6	Service Agreement
Oklahoma Department of Mental Health	COCMH	None	-	-
Pennyroyal	Pennyroyal	None	-	-
Shawnee Mental Health Center	Shawnee	None	-	-
Southeast	Southeast	None	-	-
VIP	VIP	None	-	-

Characteristics of Primary Care Partners

PBHCI Programs	Primary Care Partner	FOHC	Annual Patient Volume	Distance from Mental Health Agency/Location
Bridges	Hill Health Center	Yes	65,000	11 miles (Bridges), 13 miles (Harbor), blocks (Birmingham)
Center for Families and Children	Free Medical Clinic of Greater Cleveland	No	10,000	4 miles (East location) 1.5 miles (West location)
CODAC	El Rio Community Health Center	Yes	13,000	
Greater Nashua	Nashua Area Health Center	Yes	4,241	Across street
Human Services Center	Heart and Community Healthcare Clinic	Yes	10,000	6 blocks
Mental Health Center of Denver	Denver Health	Yes	150,000	2-3 miles
Mental Health Systems	Neighborhood Healthcare	No	65,000	1.2 miles
	Imperial Beach Health Center	No	6,800	4.2 miles

PBHCI Staffing in FTEs by Program

PBHCI Programs	MD	Psychiatrist	Therapist	NP	Psych NP	LPN	Nurse Care Mgr	Non-Nurse Care Mgr	MH Case Mgr	Peer Specialist	Pharmacist	Educator/Coach	Nutritionist	Other*	Total Grant Funded FTEs
Bridges	.1			.6			1.8	1.0		6.0				1.7	10.2
Care Plus	.088	.075		1.0	1.0		2.0			.4		.2	.2	1.25	6.21
Center for Families and Children	.5			.5				1.0						1	3.0
CODAC	.15	.05	2.0	1.0	1.0		1.0	3.0		.6				1.45	9.25
Greater Nashua	.5			1.0			1.0							1.0	3.5
Human Services Center	1.10	.05		.6			2.0					3.0		.1	6.85
Mental Health Center of Denver	.10			1.0			1.0					1.0		2.05	5.15
Mental Health Systems	.05	.05	.2	.50			1.25		.20					1.02	3.27
Oklahoma Department of Mental Health	.2			1.0		1.0			1.0	1.0	1.0			1.0	6.2
Pennyroyal		1.0		1.0			1.0		2.0					.25	5.25
Shaw nee Mental Health Center	1.0			.22 yr 1			2.5			3.0				~.45	7.17
Southeast				1.0			1.0							2.5	4.5
VIP				1.0	1.0		2.0							1.9	5.9

***Similarities Across Programs
(Relevant to Evaluation Design)***

Some “Surface-Level” Similarities in Models/Components To Be Implemented

But...

- **Integrated care models are distinctive in name only**
- **Most models share similar components**
- **Grantees’ have different plans for operationalizing/ implementing these models**
- **No clear, valid way to group programs into specific model types to support program-level comparisons**

Model and/or Model Component* Groups, Distinctive in Name Only

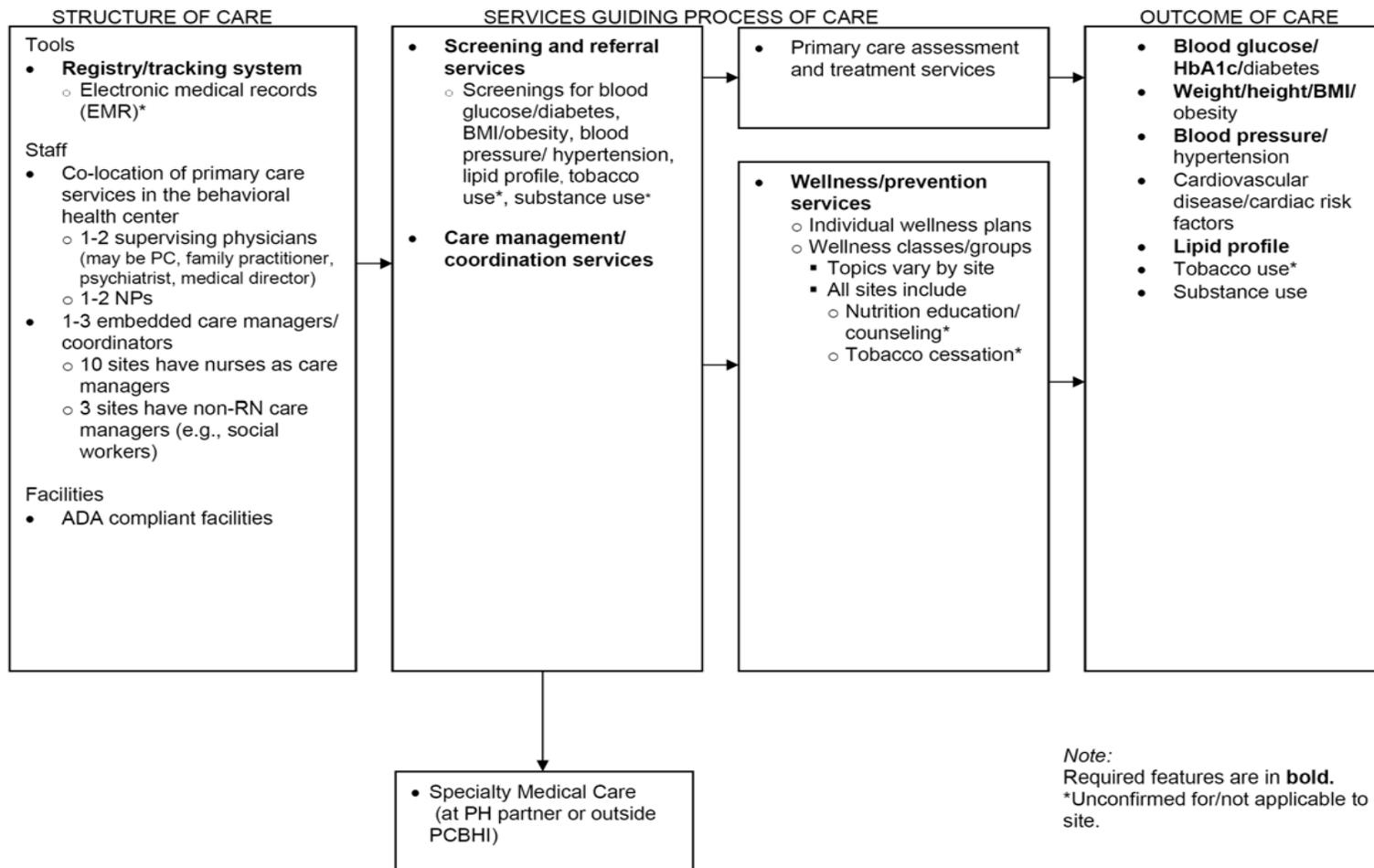
PBHCI Programs	Chronic Care	IMPACT	Cherokee	Medical Home	Enhanced Care Clinic	Other
Bridges					X	
Care Plus			X			
Center for Families and Children						Collaboration Model for Integrated Care
CODAC				X		
Greater Nashua		X*				MacArthur Depression*
Human Services Center	X					
Mental Health Center of Denver	X					
Mental Health Systems		X*		X*		
Oklahoma Department of Mental Health				X		
Pennyroyal	X*	X*				Partnership Model
Shawnee Mental Health Center			X	X		Tobacco Recovery Across the Continuum
Southeast			X	X		
VIP						

Some Common Structure, Process & Outcome Features Relevant to Program Implementation

But...

- Structures/services guiding process of care represent general categories only
- Some sites have not yet fully developed/specified their clinical structures/services
- How features are defined and implemented will differ across sites
- Each site has unique constellation of optional features

Commonalities in Model Features Identified & Outcomes To Be Reported



All Sites Are Collecting SAMHSA-Required Data Elements

But...

- **Methods for documenting/reporting information vary across grantees (with exception of NOMs/TRAC)**
- **PBHCI clinical registry is available, but use is not consistent across grantees**
- **Client-level data will be missing when patients do not seek care**

*Differences Across Programs
(Relevant to Evaluation Design)*

Grantees Differ on Important Components Related to Designing a Program Evaluation

- Criteria for PBHCI program eligibility/definitions of target population
- Targeted PBHCI/SMI patients versus total patient population; estimated PBHCI client flow per year
- Client demographics
- Data infrastructure and data collection capabilities
- Use of standardized assessment tools

PBHCI Program Eligibility Criteria

PBHCI Programs	All SMI patients at location	Use of Psycho-tropic Medi-cation	Unin-sured	Inadequate Connection to Primary Care	Inadequate Connection to Mental Health	Diagnosed Chronic Condition	High-Risk Clinical Factor(s)
Bridges				X			X
Care Plus	X						
Center for Families and Children			X				
CODAC	X						
Greater Nashua				X			X
Human Services Center				X	X		
Mental Health Center of Denver			X (PC Services)	X (PC Services)			X (Early Intervention]
Mental Health Systems		X					X
Oklahoma Department of Mental Health							X (PC, Wellness)
Pennyroyal				X		X	
Shawnee Mental Health Center		X		X			
Southeast				X			
VIP	X						

Annual PBHCI Patient Flow Versus Annual Patient Volume

PBHCI Programs	Annual Patient Volume	Targeted # PBHCI Patients Year 1	Targeted # PBHCI Patients Year 2	Targeted # PBHCI Patients Year 3	Targeted # PBHCI Patients Year 4	Total Targeted PBHCI Patients
Bridges	7,345	1,200	1,700	1,200	1,200	5,300
Care Plus	4,500	150	150	150	150	600
Center for Families and Children	3,144	600	600	600	600	2,400
CODAC	1,000	1,000	100	100	100	1,300
Greater Nashua	5,000	200	400	400	400	1,400
Human Services Center	4,200	550	550	550	550	2,200
Mental Health Center of Denver	803	200	200	200	200	800
Mental Health Systems	1,745	600	200	150	100	1,050
Oklahoma Department of Mental Health	2,468	1,350	1,350	1,350	1,350	5,400
Pennyroyal	6,224	275	275	275	275	1,100
Shawnee Mental Health Center	6,082	1,215	720	315	315	2,565
Southeast	3,500	560	137	137	137	971
VIP	2,000	125	200	200	200	725

Client Demographics

PBHCI Locations	# Targeted SMI Patients	% M	% F	% W	% B	% API	% Nat Amer	% Other	% Hispanic	% Medi-caid	% Medi-care	% Dual Eligible	% Uninsured
Bridges	3,565												
Bridges	1,525	43	57	76	6			8	6	45	19		9
Birmingham	820	56	44	79	8					14		24	
Harbor Health	1,220	50	50							30	5	24	
Care Plus	153	50	50	82	12	4			14	40			
Center for Families and Children													
East Office				24	72	1		3			83		
West Office				83	14	1		2			80		
Southwest				94	3			3			75		
CODAC	1,000	41	59	58	31								
Greater Nashua	1,340	52	48	85				5	10				~20*
Human Services Center	1,300	43	57	96	4								
Mental Health Center of Denver	791												
		48	52	49	21	5		6	19	30	19		
Mental Health Systems	1,745												
MHS/NHC	940	40	60	69	2	9		4	16	37			42
CRF/IBHC	805	38	62	14	4	2		28	53	49			51
Oklahoma Department of Mental Health	1,036												
		54	46	85	6		8		4				
Pennyroyal		39	61	83	15			2					
Shawnee Mental Health Center	3,118												
		62	38	96	4					75			13
Southeast	3,500	54	46	52				3	45				45
VIP	300	55	45	4	43				53				

Variations in Data Infrastructure & Data Collection Capabilities

PBHCI Programs	Ability to collect patient-level data	Data collected as part of clinical care?	Mental health data collection system	Physical health data collection system	Integrated physical/mental health data collection system?	Can add/change fields in EMR	Maintain registry separate from EMR?
Bridges	X	X	MIS system	Providers enter data into PH system		X	
Care Plus	X		EMR modified to include PH items			X	
Center for Families and Children	X		Practice mgt system	New database	Integrated EMR w/in 18 months		
CODAC	X		EMR	EMR	Plan to give each other access		
Greater Nashua	X		Paper charts	EMR	Exploring electronic options		
Human Services Center	X		EMR	Paper charts			
Mental Health Center of Denver	X		EMR	Database	Exploring		
Mental Health Systems	X	X	MIS system	Registries	Working on report to pull data from each registry		X
Oklahoma Department of Mental Health	X	X	EMR	Paper forms	NA	Not sure	Likely
Pennyroyal	X		EMR		Pulling from EMR into research database	?	
Shawnee Mental Health Center	X	X	EMR				
Southeast	X		EMR likely to be modified to include PH items			X	
VIP	X	X	EMR				EMR interface with NY DOHMH registries

Use of Standardized Assessment Tools

PBHCI Programs	Mental Health	SUD	Tobacco	Social Support	Functioning	Other
Bridges	Modified Mini	CAGE		LOCUS IV		
Care Plus						
Center for Families and Children		DAST, MAST				
CODAC	ACE Assessment	ASSIST		LOCUS IV		Wellness Inventory
Greater Nashua	PANSS, Prognostic Scale	AUDIT, DAST, ASSIST, Addiction Severity Index		LOCUS IV	SF-36, Sheehan Disability Scale, Level of Function Scale	Quality of Life
Human Services Center	MHSF III	TCU Drug Screen II, BAM, AUDIT or CAGE		MSPSS or LOCUS	SF-8 or 32	
Mental Health Center of Denver	Brief Symptom Inventory, Hamilton Depression Scale, PTSD Symptom Scale Interview					
Mental Health Systems						
Oklahoma Department of Mental Health						
Pennyroyal		AUDIT, ASSIST, DAST				
Shawnee Mental Health Center		CAGE-AID	Coordinating COE for Tobacco Cessation Instrument			
Southeast VIP	PHQ-2 Modified Mini	AUDIT				CSQ-8

*What Does This Mean for
Designing a Program Evaluation?*

Implications for Design of Program Evaluation

- **Well-matched intervention/control groups will be required to determine program effects on client-level outcomes**
- **Evaluator will need to collect additional data**
 - Client-level outcomes via independent physical exam/survey
 - Program-level structure and process measures via site visits
- **Additional structure/process/outcome measures will be added to NOMs/TRAC**

Implications for PBHCI Grantees

- **Target populations need to be explicitly defined, and all changes reported via quarterly SAMHSA reports**
- **Clinical structures/services and processes should be clearly specified, including care management, referrals, and follow-up protocols**
- **Data provided via quarterly SAMHSA reports should be as comprehensive and accurate as possible**
- **Use of PBHCI clinical registry and/or its components is strongly encouraged, inc. clear specifications of data entry, management, and use**

Additional Questions Related to Data Collection?

- **Participate in break-out sessions on clinical registry and related data collection issues this afternoon**
- **Join informal lunch with RAND evaluation design staff tomorrow**
- **Send questions to SAMHSA**