

Behavioral Health Screener and E-Health Intervention Implementation Withing a Multi Country HIV Medical Case Management System

Presenters:

Andrea Dakin. PhD. MA; Nora Bouacha. MPP;
and Lakethia Patterson, MS



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Acknowledgements

ACKNOWLEDGEMENTS

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We have no conflicts of interest to report.

Study Team

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Co-Is Lisa Hirschhorn (NW) and Tammy Stump (UU).

Core Team: Lakethia Patterson (AFC), Nora Bouacha (AFC), Kristen Ethier (UC), Angela Freeman (NW), Jacqueline Bannon (NW), Devan Derricotte (AFC), Fay Abujado (AFC), and Casey Xavier Hall (NW).

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Agenda

AGENDA



Program description and background



Implementing the Wellness Questionnaire



Wedge One Results and Comparison to Pilot



Lessons Learned and Discussion

- Program description and background Implementing the
- Wellness Questionnaire
- Wedge One Results and Comparison to Pilot
- Lessons Learned and Discussion

Summary

SUMMARY

AIDS Foundation Chicago has launched a Wellness Questionnaire (WQ) - a behavioral health screener tool to identify behavioral health needs of HIV-positive persons receiving Ryan White medical case management services in the greater Chicagoland area.

This workshop will:

- 1) Describe rationale for the screener, system-wide implementation strategies and challenges, and WQ usage and resulting referrals;**
- 2) Outline medical case manager feedback on WQ administration (including referrals to an online e-health intervention) and modifications made by AFC in response; and**
- 3) Highlight lessons learned.**



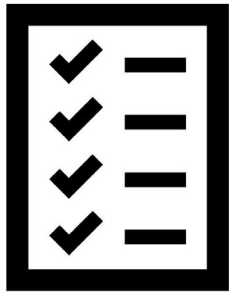
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3. Highlight lessons learned.

Learning Objectives

LEARNING OBJECTIVES



- 1. Strengthen understanding of behavioral health needs of clients within RWHAP case management system, and increase ability to identify and refer in response to those identified needs.**
- 2. Critically review strategies for the implementation of a behavioral health screener within a multi-county case management system.**
- 3. Describe the client impact regarding service referrals and utilization of an e-health intervention for depression.**

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Positionality and Backgrounds

POSITIONALITY AND BACKGROUNDS

Nora Bouacha

- Graduated from University of Chicago with a Masters in Public Policy
- Background in quantitative social science research and program evaluation
- Focus on quantitative research and data led to specialization in program eval for HIV programs
- Started at AFC in 2019
- Manages the Research and Evaluation team at AFC



Andrea Dakin, PhD, MA

- Background in Social Work, including HIV and homeless services
- Site PI for this project; Lead Evaluator for internal AFC projects
- 25 years in the field; 12 at AFC
- Interested in social determinants of health, movement from homelessness to housing, and implementation of EBIs at the organizational level

Lakethia Patterson

- Graduated from Spertus Institute with a Masters of Science in Nonprofit Management
- Background in Healthcare, and Social Services servicing Special populations
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Lessons Learned and Discussion

AIDS Foundation Chicago

AIDS FOUNDATION CHICAGO

- Located in Chicago, serving HIV-positive individuals and those vulnerable to HIV in the 8-county area through a partnership model
- Medical Case Management and other Ryan White funded HIV services: more than 5,000 served per year
- Housing: more than 600 households served in permanent supportive housing, close to 500 households served with long-term rental subsidies, almost 500 households receive emergency financial assistance
- Partner with academic institutions on research studies
- Community trainings on emergent topics
- Lead, co-lead, and participate on local, state, and national coalitions focused on HIV health care and other critical topics
- Co-leading Getting to Zero-Illinois (with IDPH and CDPH)



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Benefits of a Coordinated MCM System

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The Northeastern Illinois Case Management Collaborative consists of more than 120 case managers and staff at 39 agencies.

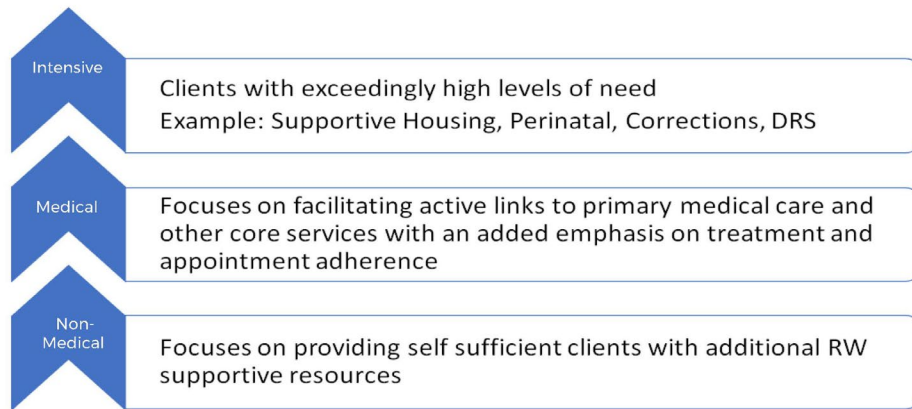
- Seamless and continuous care throughout a client's periods of health and illness
- Non-duplication of services
- Standardized policies and procedures across all sites
- Consistent quality throughout all regions of the Eligible Metropolitan Area (EMA) through standardized training and technical assistance
- Access to databases to ensure documentation of services provided
- Maximized resources available to support case management (RW/DRS/HUD/etc.)

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AFC Case Management Tiers

AFC CASE MANAGEMENT TIERS



- Intensive: Clients with exceedingly high levels of need Example: Supportive Housing, Perinatal, Corrections, DRS.
- Medical: Focuses on facilitating active links to primary medical care and other core services with an added emphasis on treatment and appointment adherence.
- Non-Medical: Focuses on providing self-sufficient clients with additional RW supportive resources

Behavioral Health Among People Living with HIV

BEHAVIORAL HEALTH AMONG PEOPLE LIVING WITH HIV



Engagement in BH care is a key component to HIV health:

- **25% of PLWH have symptoms of depression**
- **Mental health diagnoses / symptoms are associated with lower odds of care retention and viral suppression**
- **Lack of needed mental health care can lead to poorer HIV treatment adherence**
- **Increased positive affect can improve HIV health**
- **Targeted in the IL Getting to Zero Plan and National Ending the HIV Epidemic Plan**

Do et.al., 2014; Gokhale et al., 2019; Wilson et.al., 2018

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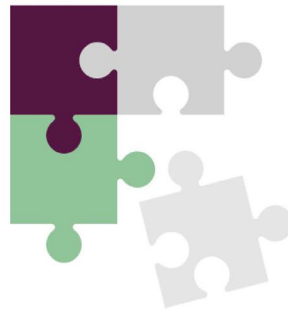
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Behavioral Health Screener Pilot

BEHAVIORAL HEALTH SCREENER PILOT

In early 2019, AFC developed and launched a pilot project to better understand the BH needs of clients

- Why launch a system-wide BH screener?
 - Relationship between BH and HIV health
 - Increase MCM/client comfort discussing BH needs
 - Allows collection of standardized BH data
 - Lack of information across system
 - Difficult to see big picture around BH needs
 - Each partner agency does something different
- Implementation details:
 - Recruited 6 subcontracted agencies with 22 medical case managers
 - 6 month pilot - June 2019 to December 2019
 - BHS validated measures: depression (PHQ-9), anxiety (GAD-7), PTSD (PCL-C), alcohol use (AUDIT-10), and drug use (DAST)



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Behavioral Health Screener

BEHAVIORAL HEALTH SCREENER



Screen

+



Intervene

+



Refer

BHS Pilot Data 1

BHS PILOT DATA



- Required for case managers to offer; clients could decline to complete.
- Out of the 374 individuals offered the screener, 307 (82%) completed at least one component of the behavioral health screener.
- In total, 64% (239/374) of pilot participants took all five screeners.
- On average, participants completed 3.9 screener components.

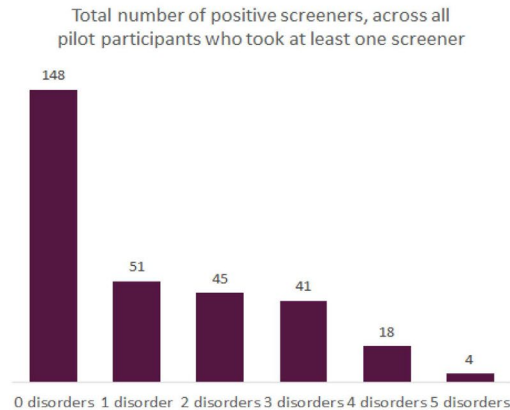
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BHS Pilot Data 2

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Of those that did not opt-out, 52% screened positive for symptoms of at least one mental health or substance use disorder.

35% screened positive for multiple disorders. On average, individuals screened positive for 1.2 BH disorders.



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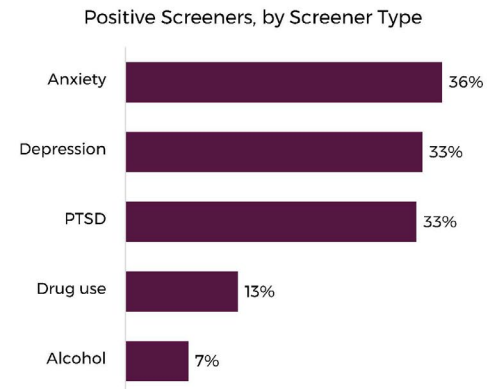
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BHS Pilot Data 3

BHS PILOT DATA

The anxiety screener (GAD-7) had the highest incidence rate at 36%, while AUDIT had the lowest (7%).

One third of participants showed at least mild signs/symptoms of depression (N=282)



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BHS Pilot Data: Feedback From Case Managers

BHS PILOT DATA: FEEDBACK FROM CASE MANAGERS

Highlighted several barriers to effective BHS implementation:

- **Need for more specialized training**
 - **Anxiety and fear about asking sensitive BH question (suicide, substance use, etc.)**
 - **Understanding the difference between screening and assessment**
- **Concerns about length and frequency of administering BHS**
- **Inefficient and ineffective process of tracking referral to and uptake of additional services**
- **Concerns that available mental health services were not sufficient to meet the client needs identified through the screener**

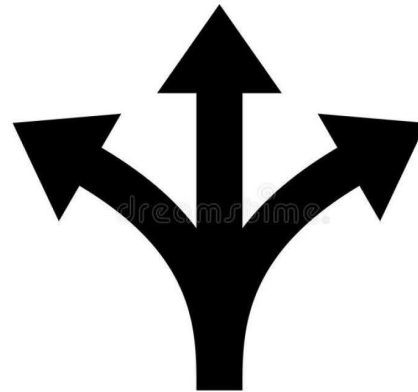


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Now What?

NOW WHAT?



Perfect Timing

Perfect timing:

- NIMH releases this funding opportunity in November 2019
- AFC reaches out to a faculty member at UofC who contacts a researcher at NW
- We apply in January and are funded in May 2020

Components of Participating Organizations

National Institute of Mental Health (NIMH)
National Institute on Drug Abuse (NIDA)

Funding Opportunity Title

Implementation Research in HRSA Ryan White Sites: Screening and Treatment for Mental and Substance Use Disorders to Further the National "Ending the HIV Epidemic" (EHE) Goals (R01 Clinical Trial Optional)



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Stepped Wedge Hybrid Type II Trial

A Stepped Wedge Hybrid Type II Trial of an Online Positive Affect Intervention: Blending Implementation and Effectiveness to Improve HIV Continuum Outcomes in Ryan White Clinics in Chicago

5 year-study funded by the National Institute of Mental Health; began 7/20

Northwestern is the grantee; subcontracts to AFC and UofC

Launch of WQ in 3 wedges (phases) to allow for review of implementation strategies and make adjustments as necessary

Provides a much needed resource for individuals experiencing Depressive symptoms



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Three Layered Approach

THREE – LAYERED APPROACH



AFC: Roll out of BHS to Ryan White Case Managers in three stages 9-months apart

Northwestern: Provision of ORCHID, a 5-week online intervention that teaches 8 skills to improve positive emotions leading to improved HIV health for Ryan Clients that score 5 or higher on the Depression Scale

University of Chicago: Ongoing review of Ryan White HIV agency facilitators and barriers that impact the implementation of the BHS and referrals to ORCHID

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Orchid: Optimizing Resilience and Coping with HIV Through Internet Delivery



- Notice positive events
- Capitalize on positive events
- Gratitude
- Mindfulness
- Positive Reappraisal
- Focus on personal strengths
- Make and pursue attainable goals
- Self-Compassion

Agenda – Implementing the Wellness Questionnaire

AGENDA



Program description and background



Implementing the Wellness Questionnaire



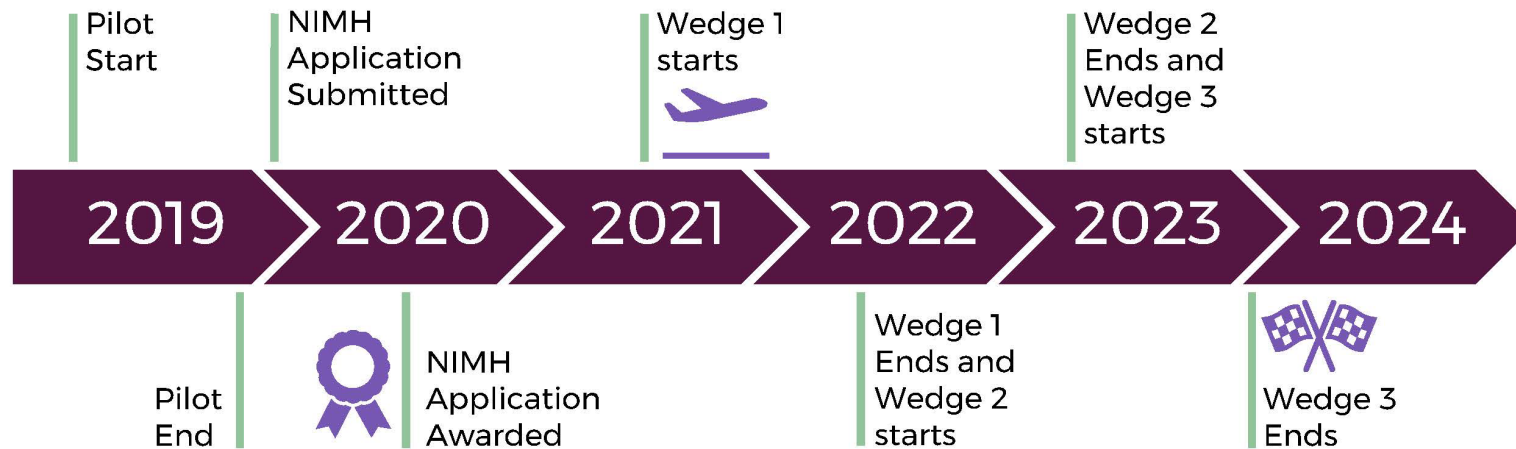
Wedge One Results and Comparison to Pilot



Lessons Learned and Discussion

Implementation Timeline

IMPLEMENTATION TIMELINE



Implementation Strategies 1

IMPLEMENTATION STRATEGIES



Completed before official launch:

- **Conduct surveys, interviews, data pulls to assess local needs, readiness, and identify barriers/facilitators**
- **Develop/distribute educational materials on behavioral health issues, BHS, ORCHID**
- **Share information about BHS*ORCHID at clinic and system-wide MCM/Supervisor meetings**
- **Revise BHS training structure based upon information gathered**
- **Hold pre-implementation and ongoing trainings using multiple modalities and active learning tools**
- **Modify and expand data collection fields in Provide**
- **Develop a formal implementation blueprint**
- **Change the name from BHS to Wellness Questionnaire to decrease stigma**

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Implementation Strategies 2

IMPLEMENTATION STRATEGIES

Ongoing activities post-launch:

- Conduct ongoing surveys and interviews to inform adaptations
- Centralize technical assistance for MCMs completing BHS, and clients completing ORCHID
- Provide follow-up trainings as needed
- Audit/provide feedback on rates of BHS completion and ORCHID referrals: AFC Dashboard
- Develop/implement quality monitoring tools and system, including internal and external communication processes



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Audit and Feedback

AUDIT AND FEEDBACK



WELLNESS
QUESTIONNAIRE
USER MANUAL

Referral	
Referral Status	* Submitted
Referring Person	* Jamie Hock
Referral Date	* 05/17/2021
Referred to Organization	ORCHID
Referred to Provider	
Referred for Service Type	* Behavioral Health
Referred for Service Description	Client referred to ORCHID as result of Wellness Questionnaire.
Date Check Back	06/16/2021
Disposition	
Disposition Comments	

AFC'S Preparation for Rollout 1



- Training Matrix
 - Developed a Wellness Questionnaire User's Manual and BH resource guide
 - Questionnaire Workflow
 - Administering
 - Completion and Next Steps
 - FAQ
 - Technical Assistance
 - Resource table

AFC's Preparation for Rollout 2

AFC'S PREPARATION FOR ROLLOUT

Developed Wellness Questionnaire Trainings for Case Managers- 2 Sessions

- **Session 1**
 - Gain general knowledge about HIV and behavioral health
 - Learn importance of behavioral health screening
 - Introduce the Wellness Questionnaire
- **Session 2**
 - Overview of Wellness Questionnaire
 - Practice administering behavioral health scree
 - Learn to execute appropriate referrals to ORHCID and goal setting
 - Access behavioral health treatment for clients

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Pre-Implementation Feedback

PRE- IMPLANTATION FEEDBACK

AFC and academic partners used pre-implementation feedback to inform implementation.

Feedback sources included:

- Pilot data analysis and feedback
- University of Chicago pre-implementation case manager interviews
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Tracking Pre-Implementation Feedback

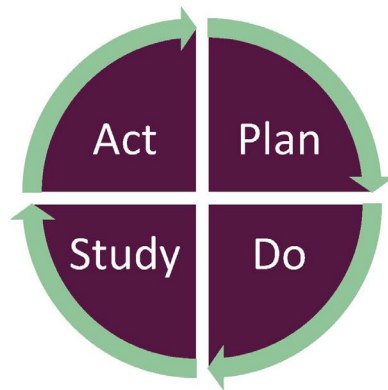
TRACKING PRE-IMPLEMENTATION FEEDBACK

D	E	F	G	H	I
Feedback Category	Feedback - Problem/Evidence	Feedback - Detailed	Proposed Changes	Action (How are the proposed changes going to be completed)	Result
2 BHS - Processes	Referral function is underutilized based on pilot evaluation	Increase documentation of referrals by MCM	Spend more time on section covering referrals in training	Add slides covering referrals to training	Change accepted
3 BHS - Processes	MCMs were only documenting accepted referrals	Improve documentation of refused referrals	Improve referral tracking process	Not applicable	Change denied - agree with feedback
4 Post-Training - Follow-up	Possible inconsistency in BHS administration over time	Conduct refresher trainings on BHS administration	Follow-up with Ryan White Clinics	Implementation of refresher trainings	Change accepted
5 BHS - Processes	Differences in BHS completion across Pilot Agencies	Increase MCM willingness to administer BHS	Address the topic during the training	Add more slides to training presentation to justify the use of BHS	Change accepted
6 Training - Goal Setting	Function is underutilized based on pilot evaluation	Improve goal setting withing provide	Cover creating clients goals in Provide	Add slide to the training addressing creating client goals in Provide	Change accepted
7 BHS - Processes	Some Ryan White clinics feel they don't have effective ways of screening for mental health or substance use	Tips for effective screening	Create an effective screening method for mental health or substance use	Develop the BHS screener and train MCMs to administer it	Change accepted
8 BHS - Screener	MCM mentioned BHS questions being interpreted differently	Create standardized way to administer BHS questions because some can be interpreted differently by clients	Address the topic during the training	Add FAQ section after BHS training section	Change accepted
9 Training - General	MCM mentioned training was long and overwhelming	Decrease the amount of information presented at once during training	Split training into two sections, BH one day and BHS another day	Behavioral Health covered on day one and BHS covered on day two	Change accepted
10 Training - Administering BHS	MCM mentioned not remembering going through each BHS question	Review BHS questions one by one	Explain BHS questions one by one	Add a slide with the BHS questions (not just the scores)	Change accepted
11 Training - Administering BHS	MCM mentioned discomfort in certain BHS questions	Increase level of comfort administering BHS from MCM	Address the topic during the training	Stress the importance of practicing the BHS to become more comfortable	Change accepted
12 Training - Handouts	MCM suggested this procedure	Provide Supervisors with a list of common issues and how to handle.	Description of common issues MCM may come across	Provide FAQ Handout of issues mentioned by Pilot MCM	Change accepted
13 BHS - Processes	MCM questioned if clients could complete sections of BHS at different times	Clarify if BHS can be completed in sections	Explain BHS best practices regarding completion in sections (ideally completed in one session, but if not possible, splitting it up is ok)	Update the FAQ handout	Change accepted

Quality Assurance Processes

QUALITY ASSURANCE PROCESSES

- **Iterative process and focus on implementation allows us to:**
 - Plan for wedge implementation
 - Implement as planned
 - Study the data from implementation
 - Act on the lessons learned from implementation and incorporate feedback
- AND**
 - Repeat!
- **Research and Evaluation team developed a comprehensive QM plan to guide this process**



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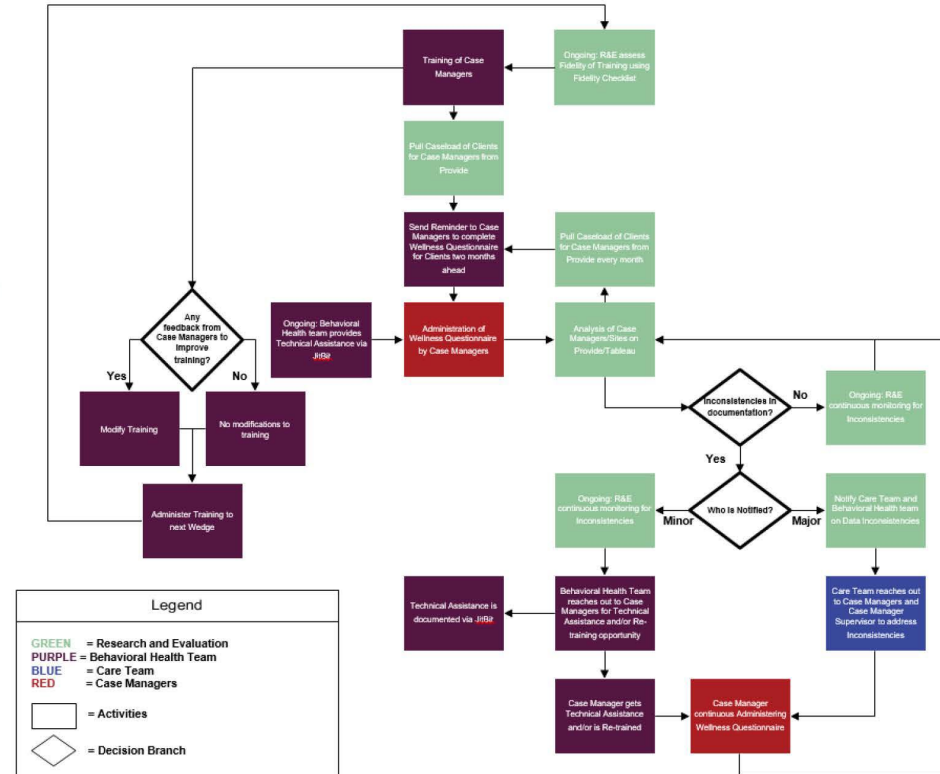
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Quality Assurance Processes continued

QUALITY ASSURANCE PROCESSES

AFC's Research and Evaluation team developed a Quality Assurance Plan and processes to ensure that data outcomes were tracked and used to inform program implementation



Agenda – Wedge One Results and Comparison Pilot

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Implementing the Wellness Questionnaire



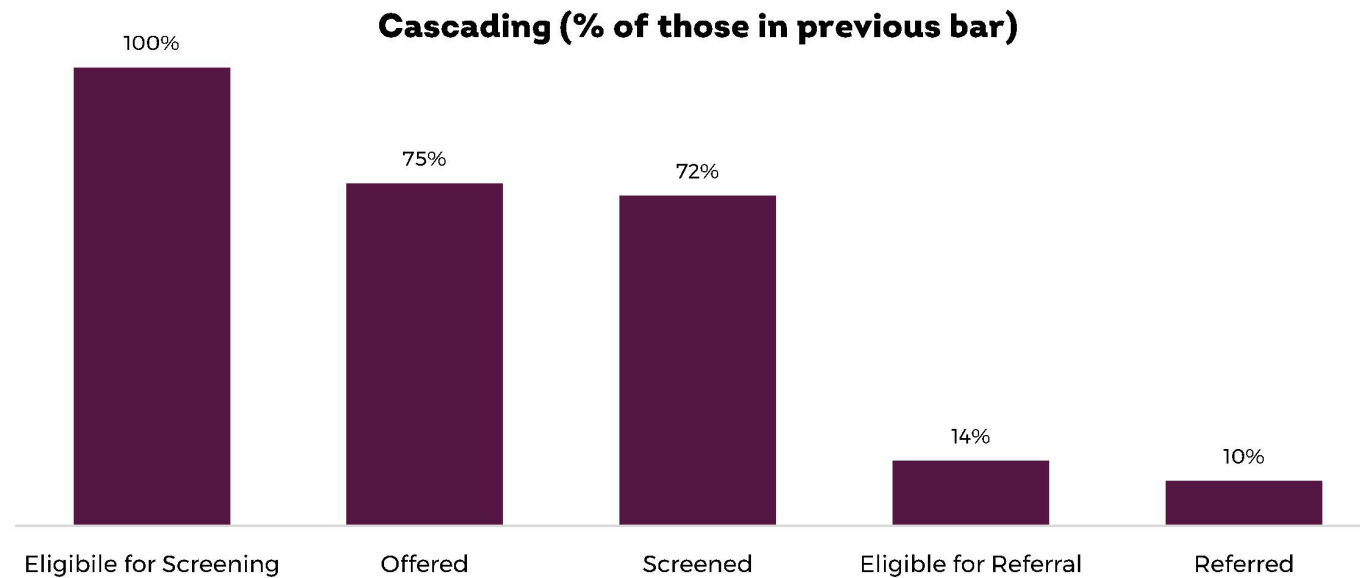
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Lessons Learned and Discussion

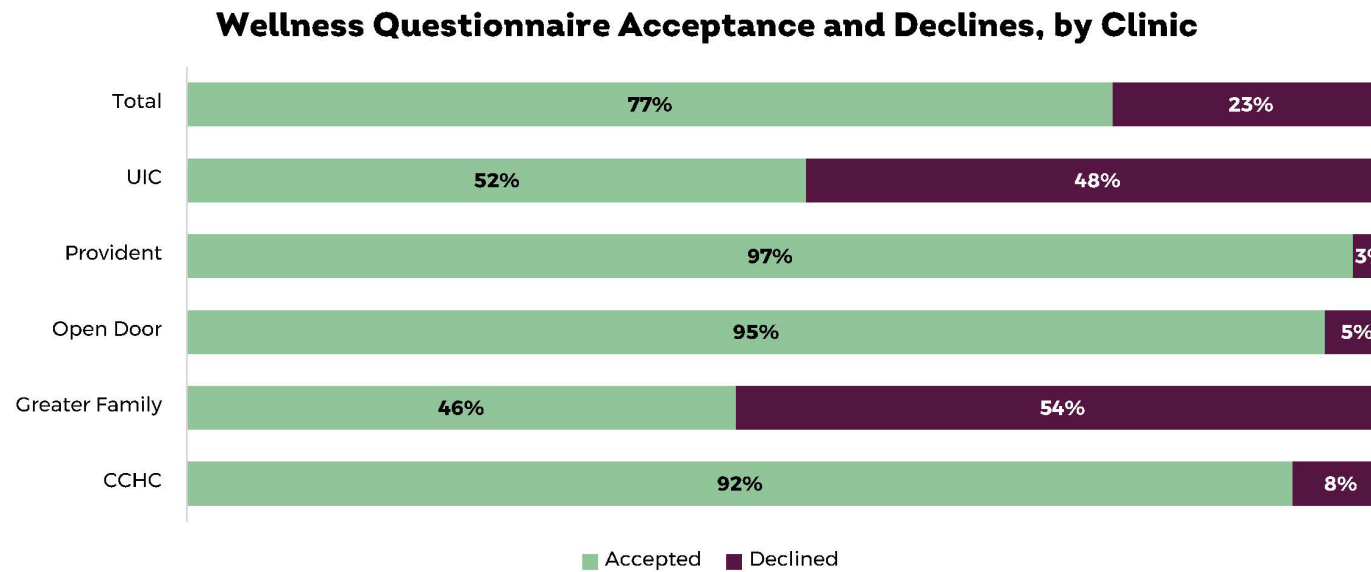
Wedge One Results 1

WEDGE ONE RESULTS



Wedge One Results 2

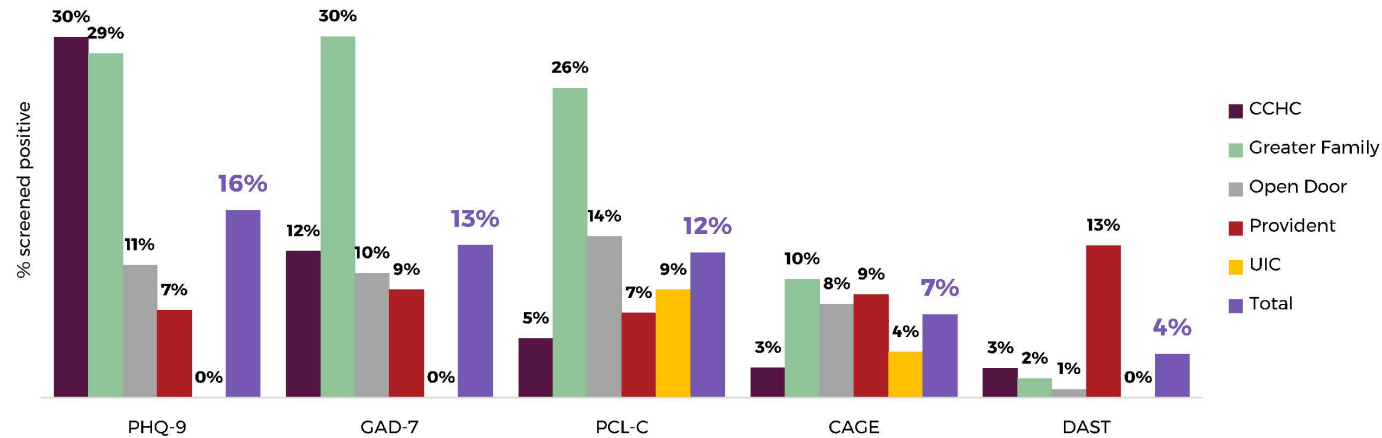
WEDGE ONE RESULTS



Wedge One Results 3

WEDGE ONE RESULTS

Positive screeners across all clinics and sub screeners



Clinic	Percent Screened Positive – PHQ-9	Clinic	Percent Screened Positive – GAD-7
CCHC	30	CCHC	12
Greater Family	29	Greater Family	30
Open Door	11	Open Door	10
Provident	7	Provident	9
UIC	0	UIC	0
Total for all Clinics	16	Total for all Clinics	13

Clinic	Percent Screened Positive – PCL-C	Clinic	Percent Screened Positive – CAGE
CCHC	5	CCHC	3
Greater Family	26	Greater Family	10
Open Door	14	Open Door	8
Provident	7	Provident	9
UIC	9	UIC	4
Total for all Clinics	12	Total for all Clinics	7

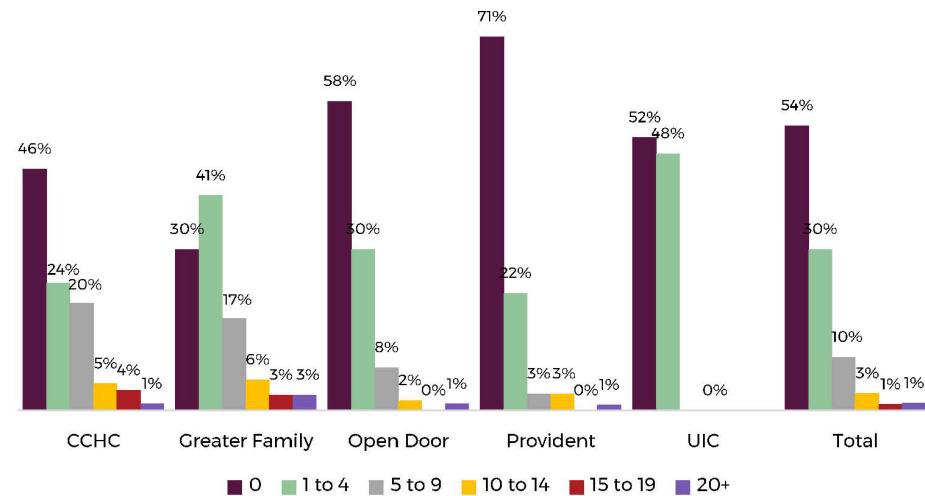
Clinic	Percent Screened Positive – DAST
CCHC	3
Greater Family	2
Open Door	1
Provident	13
UIC	0
Total for all Clinics	4

Wedge One Results 4

WEDGE ONE RESULTS

Overall, 16% screened positive for signs and symptoms of depression, and most individuals scored 0 on the PHQ-9

PHQ-9 Score Distribution, by Clinic



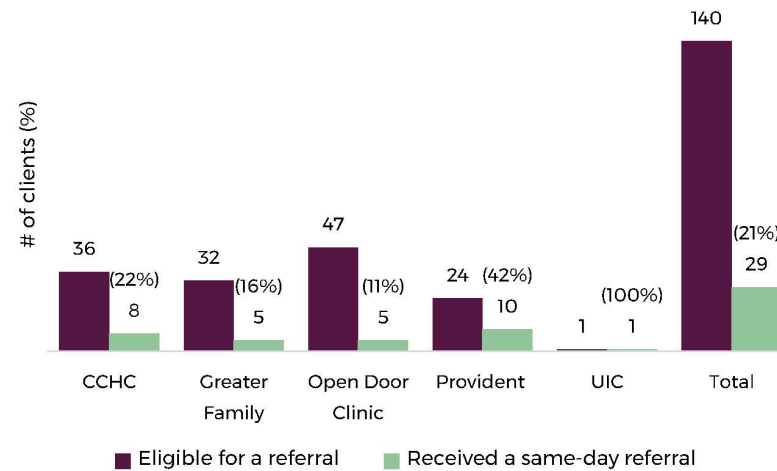
Wedge One Results 5

WEDGE ONE RESULTS

5 out of 69 clients (7%) eligible for an ORCHID referral have received a referral to ORCHID

21% of clients at all Wedge 1 clinics who were eligible for a referral received a referral in the same day as WQ administration

Referral Eligibility and Received Referrals, by Clinic

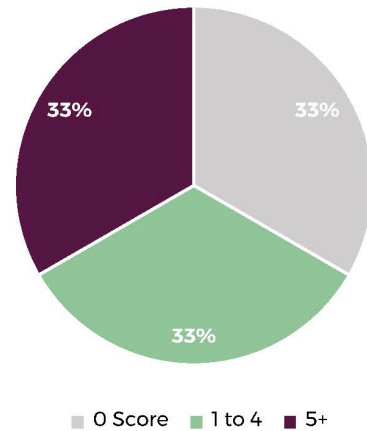


Comparison to Pilot

COMPARISON TO PILOT

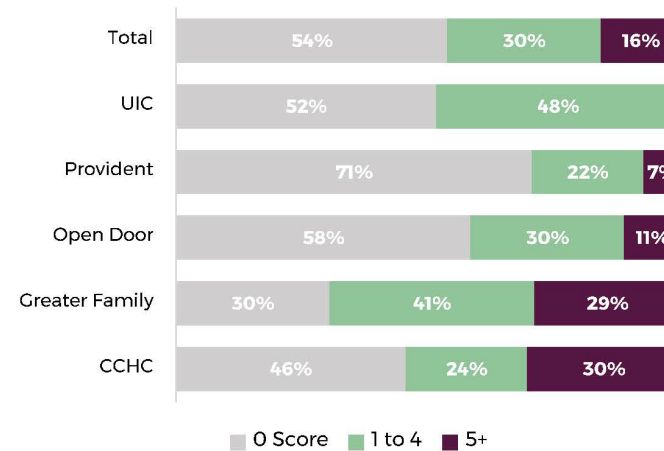
23% of those offered the WQ in the pilot refused

PHQ-9 Score Distribution, Pilot Agencies



23% of those offered the WQ in Wedge 1 refused

PHQ-9 Score Distribution, Pilot Agencies



Agenda – Lessons Learned and Discussion

AGENDA



Program description and background



Implementing the Wellness Questionnaire



Wedge One Results and Comparison to Pilot



Lessons Learned and Discussion

Implementation Challenges

IMPLEMENTATION CHALLENGES



Covid

Staffing

ADAP update

Stigma

Language barriers

Feedback from Case Managers

FEEDBACK FROM CASE MANAGERS



Case managers reported that many Spanish speakers have declined to complete the WQ due to stigma and language barriers



CMs also expressed clients didn't want to complete the WQ because the answers would affect their RW benefits



CMs collected feedback from clients that many wanted to complete the WQ on their own- afraid if they answered the questions as the CMs asked they'll be frowned upon and mandated to attend BH service with possible commitment to an institution

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- CMs also expressed clients didn't want to complete the WQ because the answers would affect their RW benefits
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Overcoming Challenges

OVERCOMING CHALLENGES



**Onboarded
new staff**



**Added a
refuse option
to the WQ**



**Provided a
self-
administer
WQ option**



**Switched to
Acuity Scale
due date to
complete WQ**

Next Steps

NEXT STEPS

- **AFC's team is fully staffed**
- **Planning for Wedge II, which includes 5 new partner agencies, has started**
- **WQ User's Manual and trainings are being updated**
- **Partner agencies have been notified and training dates have been scheduled**
- **The AFC's WQ team will continue to check in with Wedge I CMs and agencies**
- **CMs will continue to identify and connect clients to needed services based on the outcomes of the WQ**

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