



VIRTUAL
2020 NATIONAL
RYAN WHITE
CONFERENCE ON
HIV CARE & TREATMENT

Leveraging Electronic Health Records to Collect and Integrate Outcomes-Based Data in Care

Alexa Kreisberg, MPH

Senior Director, Analytics & Evaluation

GMHC

New York City, New York

Overview



- Learning Outcomes
- Background Information
- Rationale
- Process
- Utilization
- Lessons Learned & Things to Consider

Learning Objectives



- Understand the benefits and challenges of integrating custom tools within electronic health records to capture programmatic outcomes data.
- Learn how these tools were integrated into program and evaluation work processes.
- Understand how these tools can help program evaluators determine program impact and effectiveness.

Background



- Project HEALTH is a comprehensive care coordination program to improve HIV health outcomes.
- Project HEALTH aims to mitigate structural, clinical, and individual factors that prevent engagement in care, participation in the workforce, housing stability, and viral suppression.
- Project HEALTH is funded through HRSA's Special Projects of National Significance (SPNS), therefore, has a significant evaluation component.



Rationale



- Required collection of programmatic outcomes
- All programs will have access to EHR improvements
- Easily fits into both the program team and the evaluation teams existing workflows
 - Data entry
 - Data QA
 - Data Analysis

Development Process



1. Determine programmatic outcomes
2. Work with programs to identify their data needs
3. Work with other program managers to finalize components & begin discussing needs with EHR
4. Development EHR mock-up for testing

Widget Mock-up



Housing Information Widget

Housing Type *	Receiving Rental Assistance *	Housing Cost	Household Size	Start Date *	End Date *	Notes	Last Modified Date	Last Modified User
		\$ -						
		\$ -						
		\$ -						
		\$ -						
		\$ -						
		\$ -						
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Development Process Cont.



1. Test mock-up:
 1. Ensure all relevant data is being collected
 2. Understand the data entry structure
2. Work with EHR provider to implement
3. Test widgets in EHR test environment
4. Make final updates as needed
5. Push to production EHR environment

Widget Example in Production EHR



Housing Information

Receiving Rental Assistance	Total Housing Cost	Client Rent Portion	Household Size	Date of Update	Last Modified Date	Last Modified User	
<input type="checkbox"/> HOPWA	1200	450	2	20-Jul-2020	20-Jul-2020	Alexa Kreisberg	
Housing Type*: Permanent supportive housing for formerly homeless persons					Start Date*: 02-Mar-2020	End Date:	Notes:

Add New

Implementation Process



- Develop Data Entry Procedure
 - Process
 - Definitions
- Train Staff
 - Program
 - Evaluation
- Develop Monitoring & Evaluation Process
 - Timeliness of data entry
 - Quality Assurance
 - Quality Improvement

Program Team

- Programs have the ability to see and monitor client progress over time and make any necessary changes to the client's service plan.
- All program data is entered in one place, which reduces staff time spent entering and managing data.

Evaluation Team

- All clinical and programmatic output and outcome level data lives in a single location. This allows the evaluation team to:
 - Quickly identify quality improvement projects
 - Report on program progress

Lessons Learned & Considerations



Lessons Learned

- Create data entry cheat sheets for data entry staff that consist of a step-by-step guide and definitions.
- Complete training refreshers with staff entering data.
- Start the monitoring process early.
- Create reports within the EHR.

Considerations

- Ensure EHR updates are useful to multiple programs.
- Make sure you plan for EHR updates in your budgeting and grant-making processes.
- Get stakeholders involved early in the development process.

Questions

Alexa Kreisberg, MPH
Senior Director, Analytics & Evaluation
GMHC
alexak@gmhc.org

