# Improving Participant Retention through an **Evidence-Based Retention Model**

Sydney Hineline, MPH<sup>a</sup>, Andrea Meisman, MA, CCRP<sup>a</sup>, Kelly Wilson, PhD<sup>b</sup>, Caitlin Holden, PhD, CHES<sup>® b</sup>, Brittany L. Rosen, PhD, MEd, CHES<sup>® a,c</sup> <sup>a</sup> Division of Adolescent and Transition Medicine, Cincinnati Children's Hospital Medical Center (CCHMC), <sup>b</sup> Texas A&M University, <sup>c</sup> Department of Pediatrics, University of Cincinnati College of Medicine

## **Background and Purpose**

- Challenges exist when collecting evaluation data remotely at multiple time points from middle school-aged youth.
- Analyze the difference in retention rates based on the implementation of an evidence-based retention model (Engagement, Verification, Maintenance, Confirmation; EVMC)<sup>1</sup> by comparing retention rates for sites with and without EVMC.

### Methods

#### **Curriculum**:

• Using the Connect (UTC) is a game-based curriculum designed to decrease adolescent pregnancy.

#### **Participants & Setting:**

Middle school-aged youth (10-14 years old) in schools and community-based organizations.

#### **Data Collection & Survey Time Points:**

Youth accessed the first survey via QR code. Follow-up surveys were sent via text, email, or mail based on participant access.

Phase 1 (n=53)	Phase 2 (n=			
Pre Survey (baseline)	Pre Survey (baseline)			
Post Survey (immediately after program)	Post Survey (immediatel			
2 Month Follow-Up Survey	3-Month Follow-Up Sui			
	9-Month Follow-Up Sur			
<sup>a</sup> Number of participants in phase 2 who reached their 3-month follow-up				

<sup>b</sup>47 participants have reached their 9-month follow-up time point in phase 2.

### EVMC:

• Our team adopted the evidence-based retention model EVMC for certain sites in Phase 2, to improve participant retention during post-intervention data collection.<sup>1</sup>

Engagement

• Collect detailed contact information at enrollment, including cell phone numbers, e-mails, and mailing addresses.

Verification

 Collect phone numbers and emails of trusted adults as secondary contacts.

#### Maintenance

- Maintain communication with youth in between study activities with monthly texts/emails.
- Confirmation
- Confirming contact information after each survey and via monthly texts/emails.







HASE 2 – Without EVMC (n=64)			PHASE 2 - With EVMC (n=47				
nmuni hod	cation	1 <sup>st</sup> Follow-Up Survey Completion Rate	Communication Method		1 <sup>st</sup> F	1 <sup>st</sup> Follow-Up Su Completion	
led	(n=35)	15 (43%)	Mailed	(n=7)		7 (100%)	
ailed	(n=4)	0 (0%)	Emailed	(n=5)		4 (80%)	
ted	(n=25)	11 (44%)	Texted	(n=35)		33 (94%)	

University of CINCINNATI<sub>®</sub>