

# Year 2:

**Study 1:** mHealth to Increase HIV Medication Adherence and Reduce HIV Risk Behaviors among Gay/Bisexual Men in Treatment for Methamphetamine Abuse

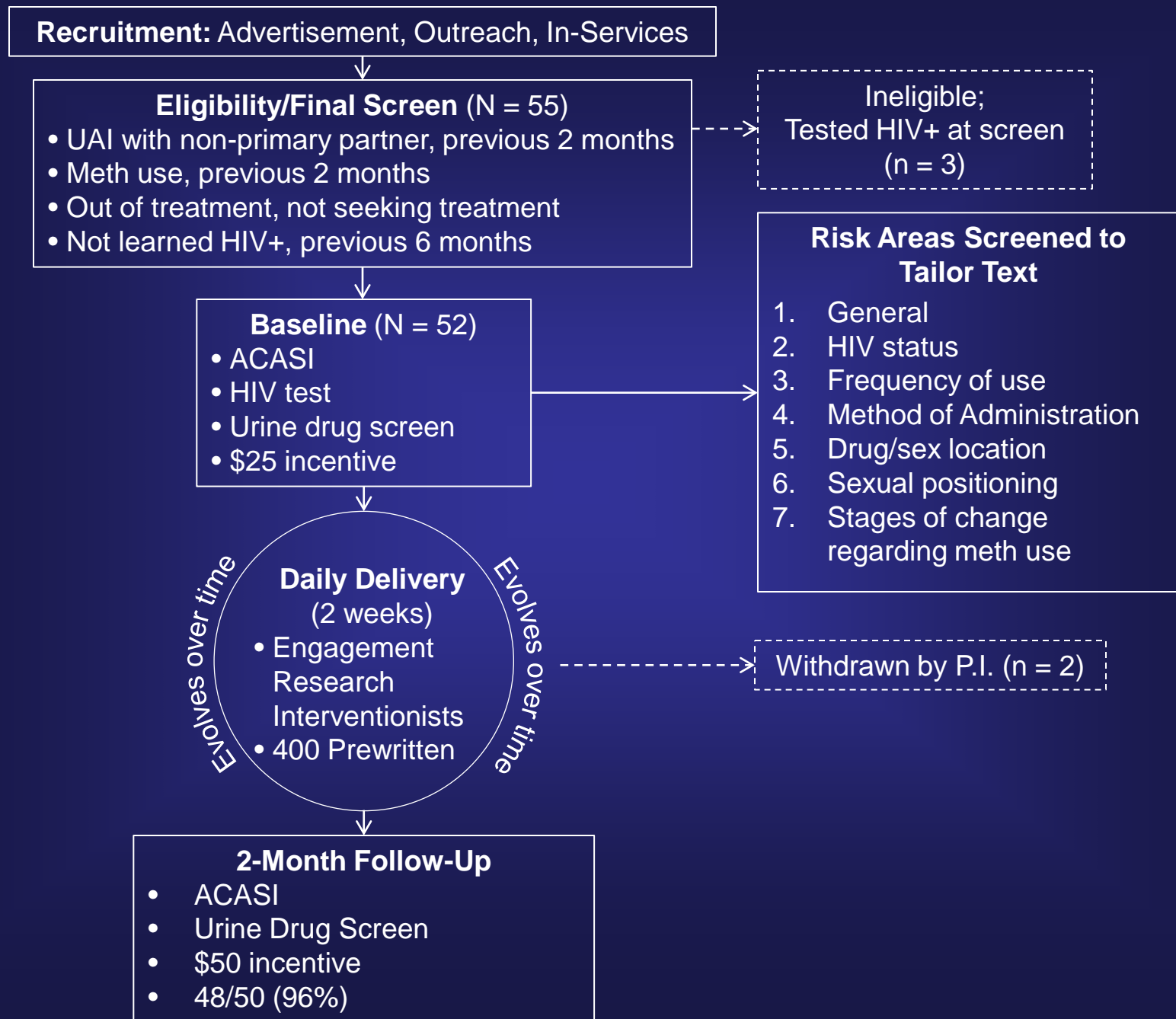
**Study 2:** Contingency Management to Increase Linkage to and Retention in HIV Care among MSM and Transgender Women

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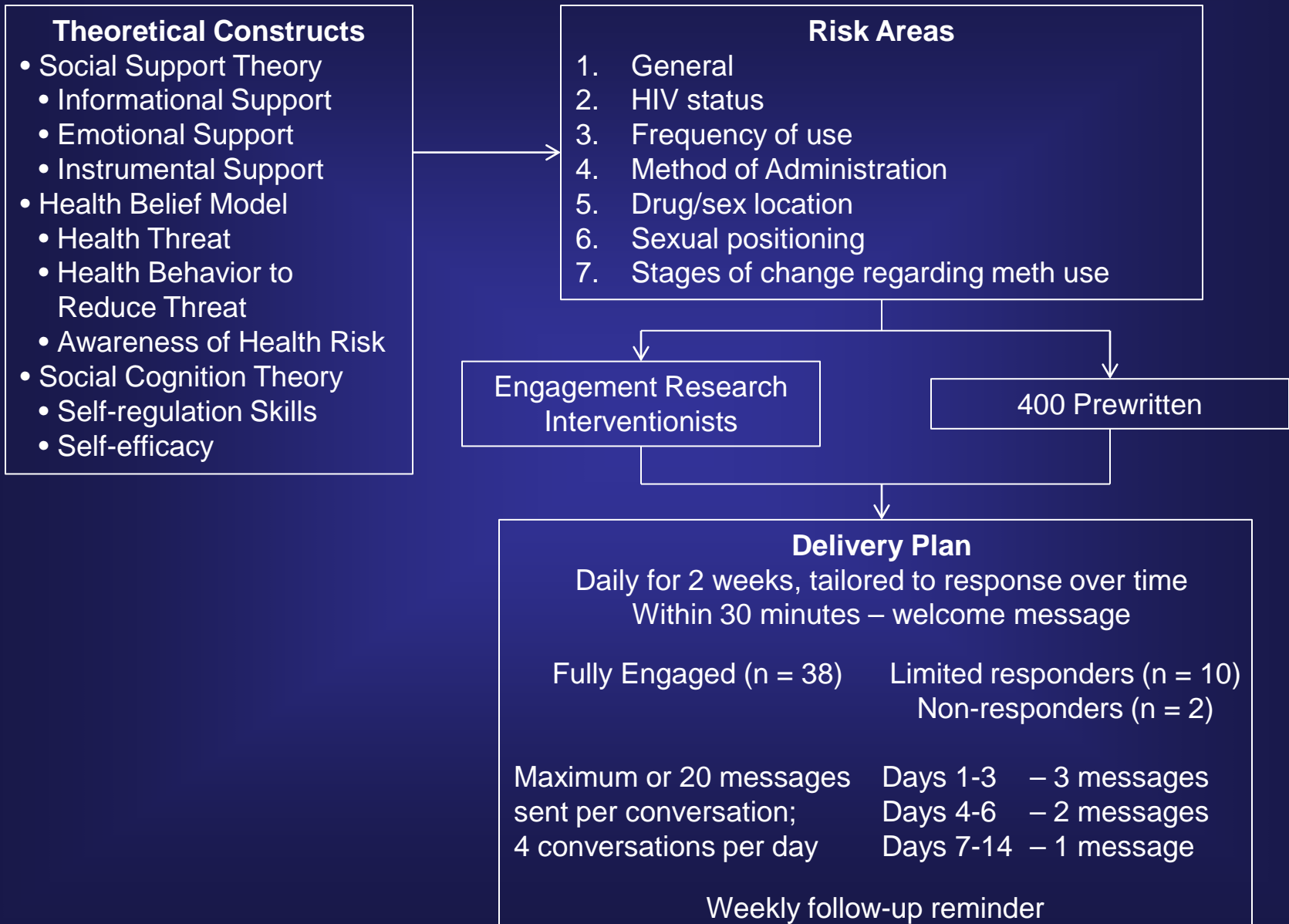
**Preliminary Study using Text  
Messaging to Reduce  
Methamphetamine Use and HIV  
Sexual Risk Behaviors among  
MSM**

**Funded by the Centers for Disease Control and Prevention grant #UR6PS000312.**

# Text Messaging Study Design



# Text Messaging System



# Sample Gay-Specific Text Messages by Theoretical Construct Tailored to Risk Areas

Social Support Theory	<p>Theory: Informational Support</p> <p>Risk Area: General</p> <p>Message: "did he give u a bug? Here's where 2 go."</p>
	<p>Theory: Emotional Support</p> <p>Risk Area: Stages of change regarding meth use</p> <p>Message: "Would U stop if U could?"</p>
	<p>Theory: Instrumental Support</p> <p>Risk Area: Method of use</p> <p>Message: "Needle exchange 2nite @ Sycamore and Romaine btwn 7 – 11 pm"</p>
Health Belief Model	<p>Theory: Health Threat</p> <p>Risk Area: Frequency of use</p> <p>Message: "R U going out w/crystal 2nite? Stay safe. 2 much tweak &amp; freak is harsh 2 ur body"</p>
	<p>Theory: Health Behaviors to Reduce Threat</p> <p>Risk Area: Sexual positioning</p> <p>Message: "dip it don't stick it"</p>
	<p>Theory: Awareness of Health Risks</p> <p>Risk Area: Sex location</p> <p>Message: "Goin 2 the bathhouse 2nite? Most guys @ baths r poz. B safe!"</p>
Social Cognition Theory	<p>Theory: Self-regulation Skills</p> <p>Risk Area: HIV+ status</p> <p>Message: "Take ur meds in the AM or b4 u rest to avoid being a hot mess."</p>
	<p>Theory: Self-efficacy</p> <p>Risk Area: HIV- status</p> <p>Message: "Say 1st thing ur neg &amp; always use condoms, like u did last time. U can do it!"</p>

For additional information on the development of the intervention and/or outcomes, please see:

Reback, C.J., Grant, D.L., Fletcher, J.B., Branson, C.M., Shoptaw, S., Bowers, J.R., Charania, M., & Mansergh, G. (2012). Text Messaging Reduces HIV Risk Behaviors among Methamphetamine-using Men Who Have Sex with Men. *AIDS and Behavior*. 16(7): 1993-2002. doi 10.1007/s10461-012-0200-7.

Reback, C.J., Ling, D., Shoptaw, S., & Rohde, J. (2010). Developing a Text Messaging Risk Reduction Intervention for Methamphetamine-using MSM. *Open AIDS Journal*. 4: 116-122. PMID: PMC2905770

# Study 1

mHealth to Increase HIV  
Medication Adherence and Reduce  
HIV Risk Behaviors among  
Gay/Bisexual Men in Treatment for  
Methamphetamine Abuse

# Methamphetamine Abuse Treatment for Gay and Bisexual Men (LAC, DHSP funded)

**Recruitment:** Advertisement, Outreach, In-Services

- Eligibility**
- Self-identified gay or bisexual man
  - Self-reported meth use in the previous 12 mos
  - Met DSM-IV TR criteria for meth abuse
  - Seeking treatment for methamphetamine abuse

0	Weeks 1-8	Weeks 9-24
	Phase I	Phase II
Screening and Informed Consent	Gay-Specific Cognitive Behavioral Therapy + Contingency Management 3x per week	Continuing Care 1x per week

Baseline Assessments  
Urine Drug Screen

3-month  
Follow-Up Evaluation  
Urine Drug Screen  
\$40 Incentive



**Getting Off:  
Gay-  
specific  
Cognitive  
Behavioral  
Therapy**

# *Getting Off:*

*A Behavioral Treatment Intervention  
For Gay and Bisexual Male  
Methamphetamine Users*



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Richard A. Rawson, Ph.D.*

# Contingency Management : Increasingly Valuable Incentives for Urine Samples That Are Negative for Methamphetamine Metabolites

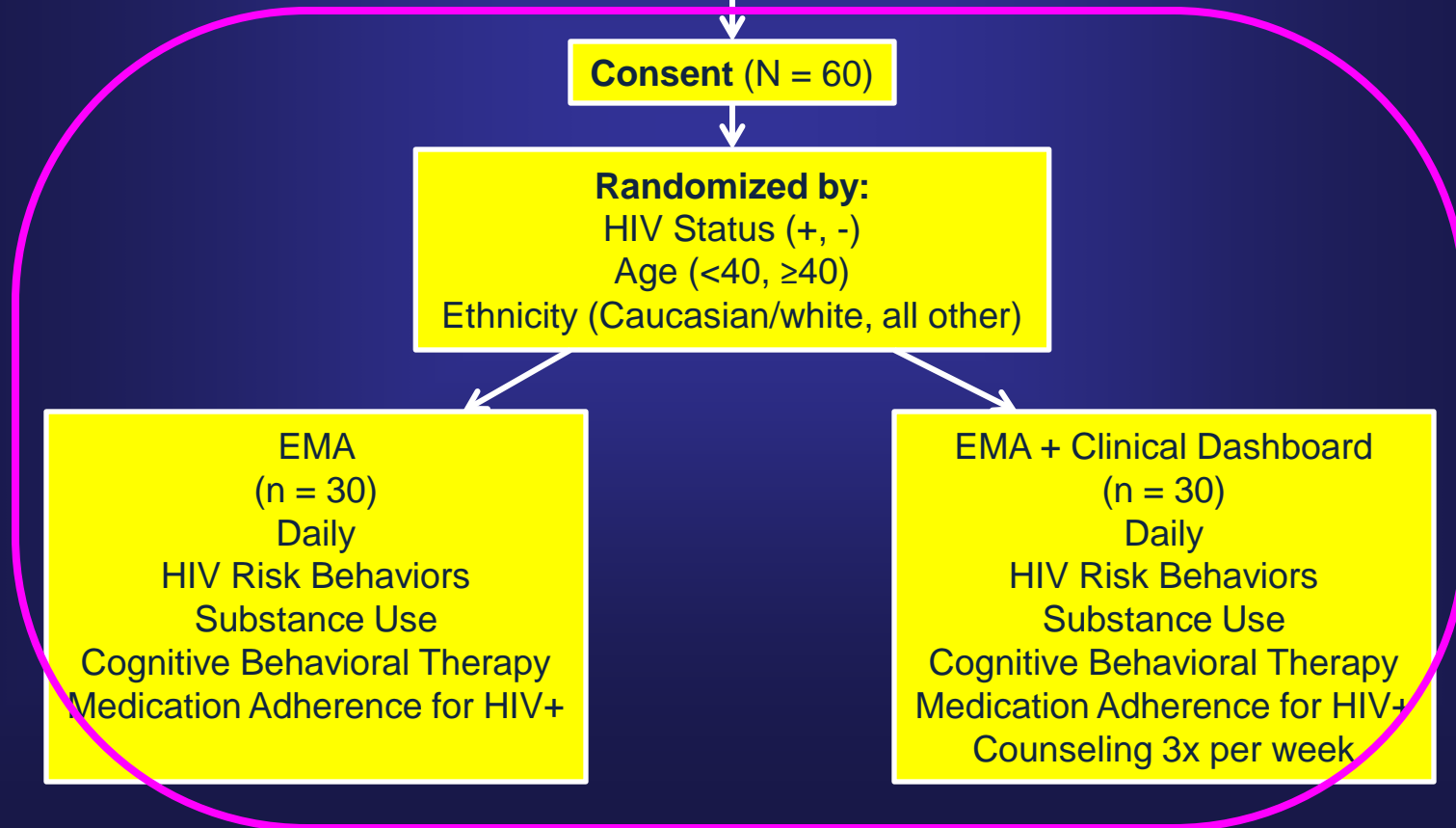


# Participant Demographic Characteristics from October 2009 – October 2012, (N = 325)

<u>Variable</u>	<u>Category</u>	<u>N</u>	<u>%</u>
Ethnicity	Caucasian/white	160	49.2
	Hispanic/Latino	82	25.2
	African American/Black	47	14.4
	Multi-Ethnic/Other	36	11.1
Sexual Identity	Gay	290	89.2
	Bisexual	35	10.8
HIV Status	HIV+	189	58.2
Age	Mean	40.8 years	
Education	Mean	13.9 years	

# Mobile Phone Ecological Momentary Assessments With and Without a Clinical Dashboard for Treatment-Seeking Gay and Bisexual Methamphetamine Users

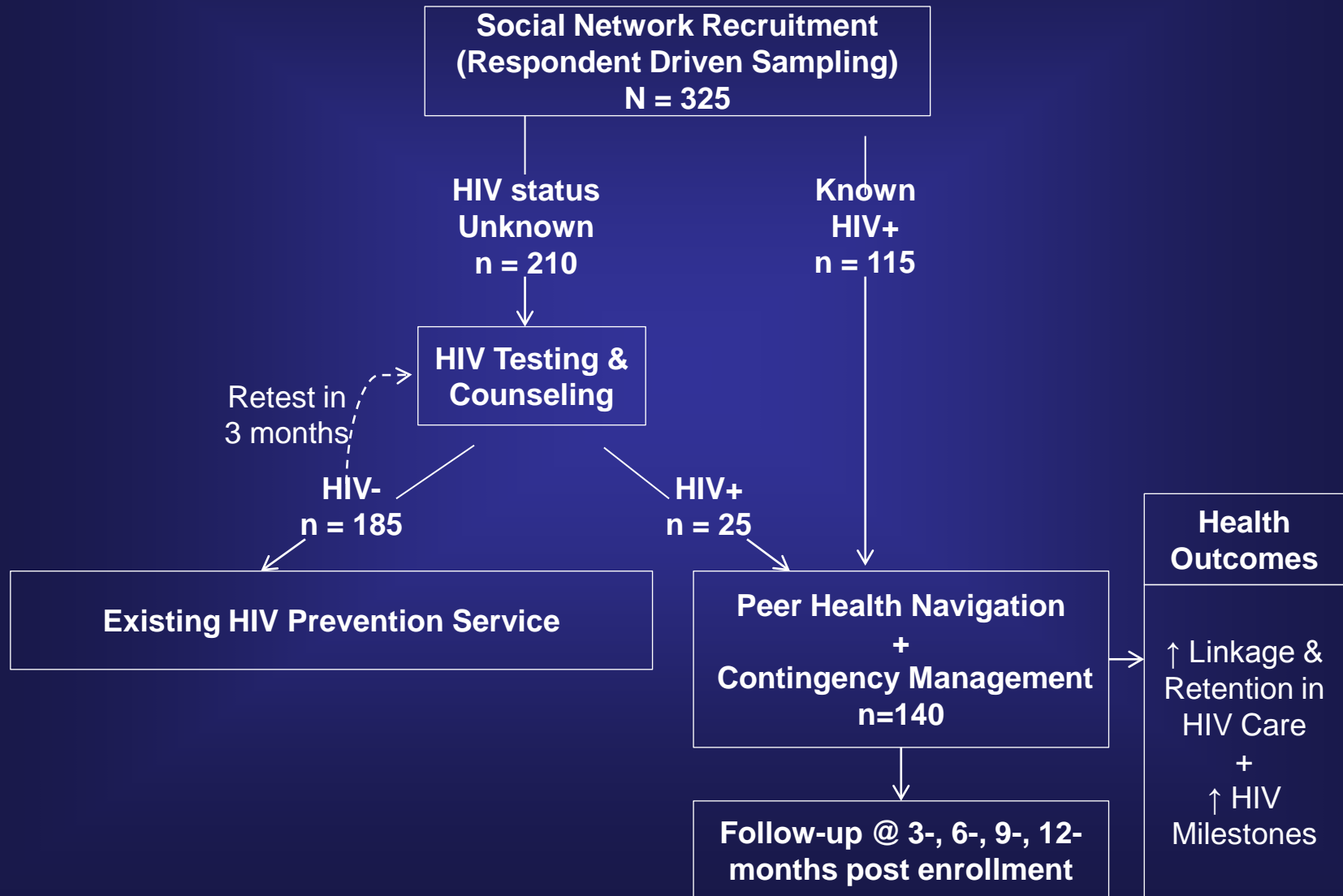
0	Weeks 1-8	Weeks 9-24
	Phase I	Phase II
Screening and Informed Consent	GCBT + CM 3x per week	Continuing Care 1x per week



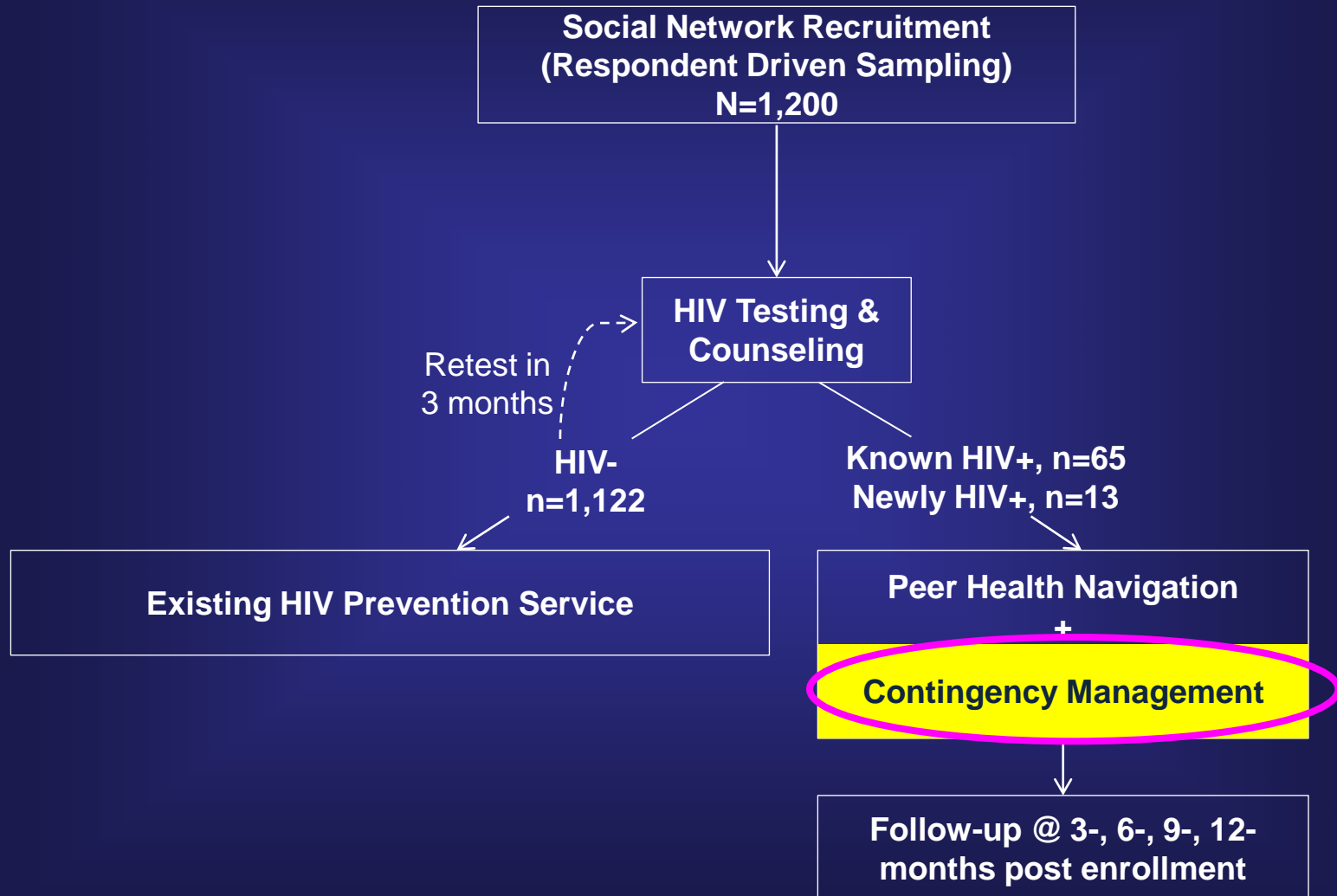
## Study 2

Contingency Management to  
Increase Linkage to and Retention  
in HIV Care among MSM and  
Caucasian Transgender Women

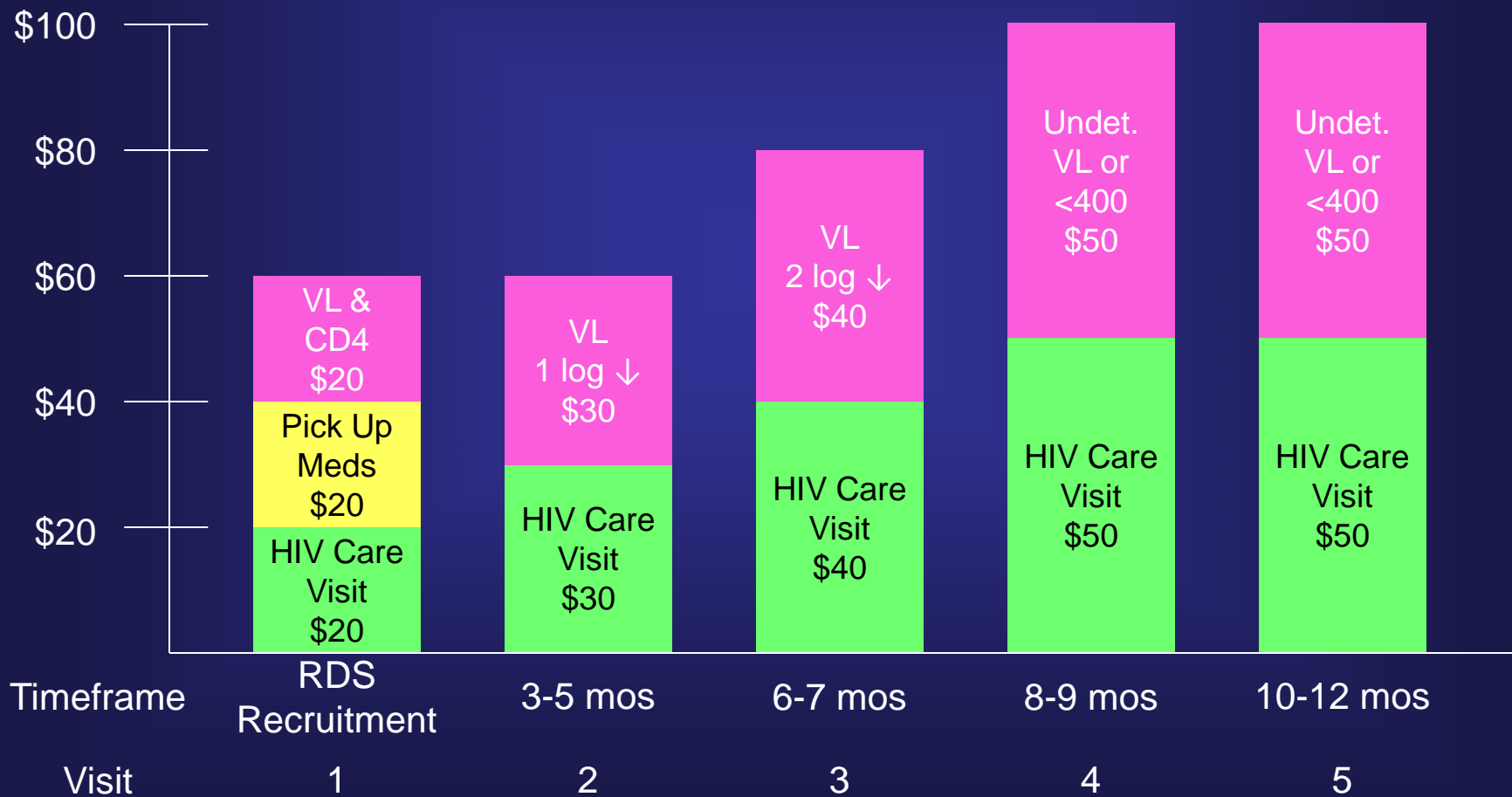
# Linkage to Care for Transgender Women of Color Study Design (HRSA funded)



# Linkage to Care for MSM and Caucasian Transgender Women (LAC, DHSP funded)



# Adapting Contingency Management to Enhance Linkage to and Retention in HIV Primary Care





Thank you!

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