

HIV Prevention Maintenance for African American Teens

The *Afiya* Program

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AFIYA

“Strength and Good Health”



Project Staff HMC Attendees

- Ralph DiClemente, PhD, Principle Investigator
- Jessica McDermott Sales, PhD, Data Manager
Presenter
- Eve Rose, MSPH, Project Director
 - Colleen Crittenden, PhD, Post-doctoral Fellow
- Tina Latham, MPH, Lead Health Educator

Program Goal

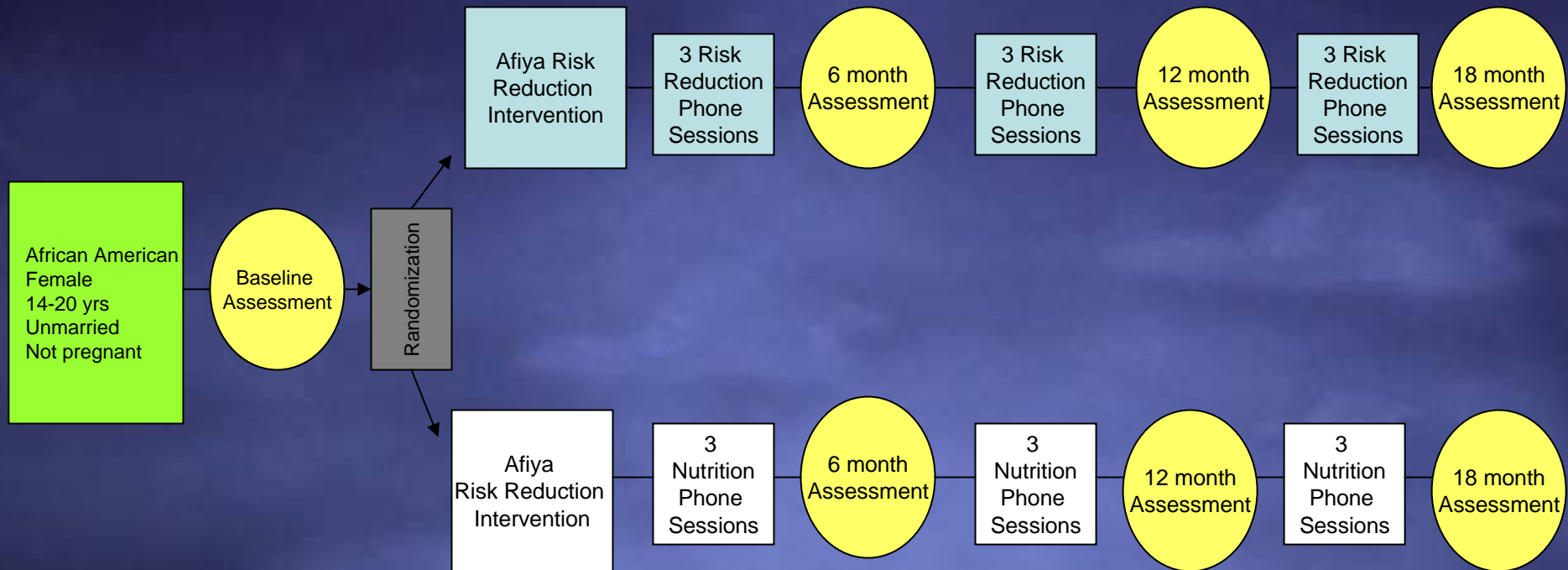
To evaluate the efficacy of the Afiya +HIV Prevention Maintenance Condition, relative to the Afiya + Nutrition Education Condition, in enhancing female adolescents condom protected sexual intercourse over a 18-month period :

- Safer sex behaviors (Primary Outcomes)
 - Consistent condom use
 - Condom use at last sexual intercourse
 - Proportion of condom-protected sexual episodes
- Psychosocial mediators of safer sex (Secondary Outcomes)
 - Communication with male sex partners
 - Condom use self-efficacy

Eligibility Criteria

- African-American
- Female
- 14 -20 years of age
- Provide consent
- Not pregnant
- Not married
- Reported having vaginal sex in prior 6 months

Research Design: Randomized Controlled Trial



Assessment includes:

- 1 hour computer interview
- Pregnancy test
- STD testing
- Vaginal swab for sexual activity

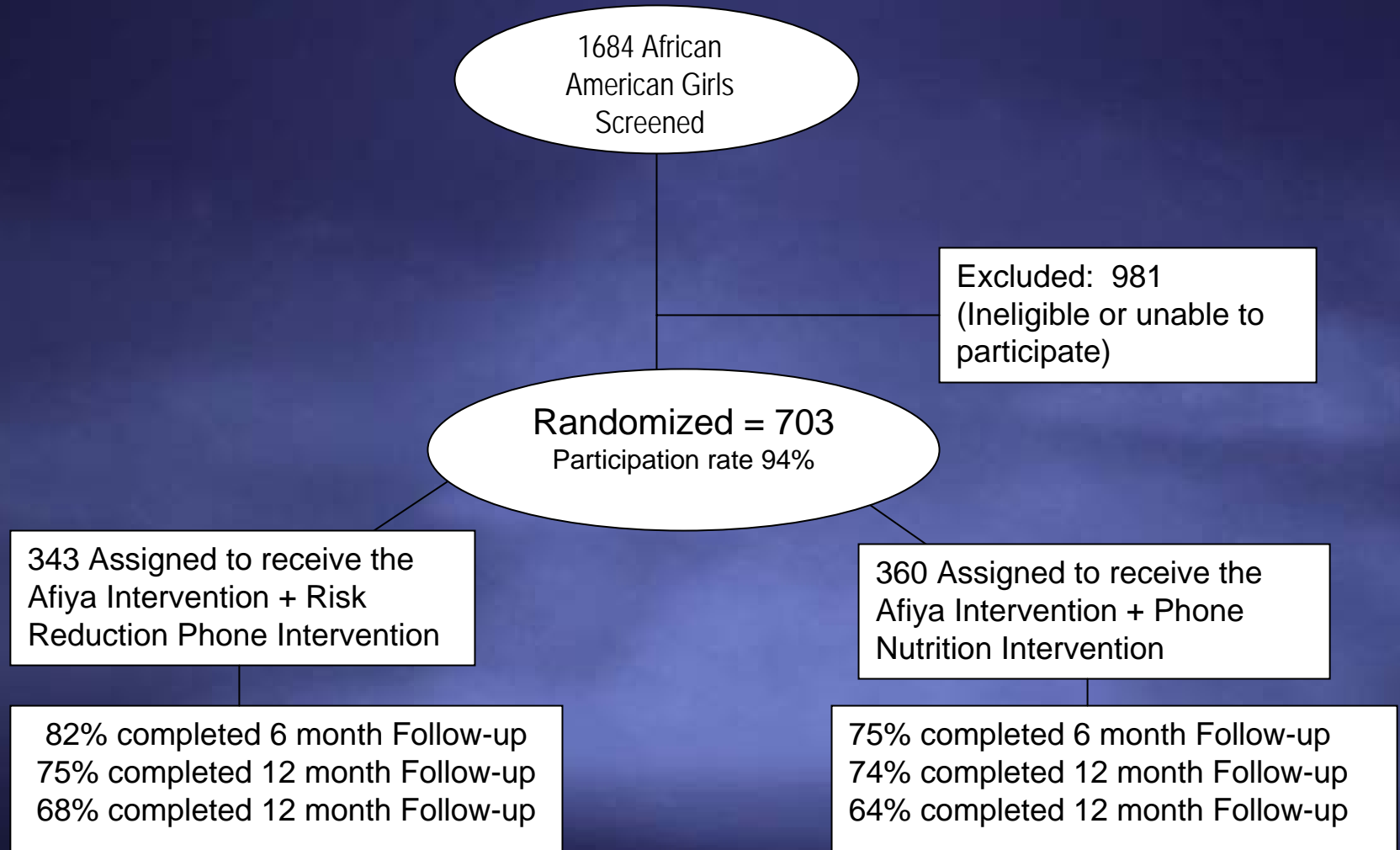
Afiya Intervention includes:

- Gender and ethnic pride, STD/HIV education, safe sexual health practices, role plays, communication skills

Phone maintenance includes:

- Nine individual calls w/ health educator

Participant Allocation Table



Depression Measure: CES-D Short

Center for Epidemiological Studies- Depression scale (CES-D)

- This scale assesses the presence of depressive symptoms in the past 7 days.
- A valid measure of depression in diverse populations, including African American females.
- Sample items:
 - “How often in the past 7 days have you...”
 - ...felt lonely
 - ...had crying spells
 - ...though my life had been a failure
- Baseline Cronbach's alpha = .89

Safer sex behaviors (Primary Outcomes)

- Consistent condom use
 1. 100% condom use in the past 90 days
 2. 100% condom use in the past 6 months

- Proportion of condom-protected sexual episodes
 1. % protected sex in the past 90 days
 2. % protected sex in the past 6 months

- Condom use at last sexual intercourse
 1. Condom used at last sex: yes or no

Psychosocial mediators of safer sex

(Secondary Outcomes)

- Communication with male sex partners
 1. Partner Communication Self-Efficacy

“How hard is it for you to ask if he could use a condom”
(Higher scores = Better partner communication self-efficacy)
 2. Refusal Self-Efficacy

“How sure are you that you could say NO to having sex with someone you want to fall in love with you”
(Higher scores = more refusal self-efficacy)
 3. Fear of Condom Negotiation

“I have been worried that if I talked about using condoms my boyfriend or sex partner would threaten to leave me”
(Higher scores = greater fear of negotiation)

- Condom Use Self-Efficacy

“How much of problem would it be for you to put a condom on a hard penis”
(Higher scores = less condom use self-efficacy)

Description of Sample

- Mean age = 17.6 years
- 54% still attending high school
- 43% live with their mother only
- 36% currently employed
- 80% have a current boyfriend
- 36% had CES-D scores that would suggest they may be clinically depressed

Depression and Condom Use

	High Depression <u>Mean (SD)</u>	Low Depression <u>Mean (SD)</u>	<u>t (df)</u>	<u>P value</u>
% Condom use (past 90 days)	43% (.37)	51% (.37)	2.76 (633)	.006
% Condom use (past 6 months)	45% (.35)	51% (.35)	1.97 (700)	.049
	<u>%</u>	<u>%</u>	<u>X²</u>	<u>P value</u>
Consistent Condom use (past 90 days)	12%	20%	5.70	.017
Consistent Condom use (past 6 months)	10%	12%	.70	.40
Condom used last sex	41%	44%	.84	.36

Depression and Secondary Outcomes

	High Depression <u>Mean (SD)</u>	Low Depression <u>Mean (SD)</u>	<u>t (df)</u>	<u>P value</u>
Partner Communication Self-Efficacy	21.06 (3.30)	19.67 (3.86)	4.82 (700)	.001
Refusal Self-Efficacy	24.84 (3.24)	24.05 (3.60)	2.94 (700)	.004
Fear of Condom Negotiation	7.98 (2.93)	8.73 (3.63)	-3.01 (700)	.005
Condom Use Self-Efficacy	16.32 (6.60)	17.60 (7.58)	-2.24 (700)	.026

Depression and Neighborhood Context

	High Depression <u>Mean (SD)</u>	Low Depression <u>Mean (SD)</u>	<u>t (df)</u>	<u>P value</u>
“Broken Windows” Neighborhood Quality Index	.81 (1.11)	.57 (.93)	-2.88 (700)	.004
Neighborhood Crime and Deviance Scale	18.32 (5.93)	16.80 (5.20)	-3.43 (700)	.001