

# A creative method for designing a comparison group:

## Reducing cost and controlling confounding factors

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#### INTRODUCTION

•SISTER'S RISE is a SAMHSA funded prevention project in Jacksonville, FL

Two evidence-based intervention programs:

- SISTA focuses on HIV prevention
- PFL focuses on Substance Abuse prevention

**Project Target Population:** 

#### SISTA

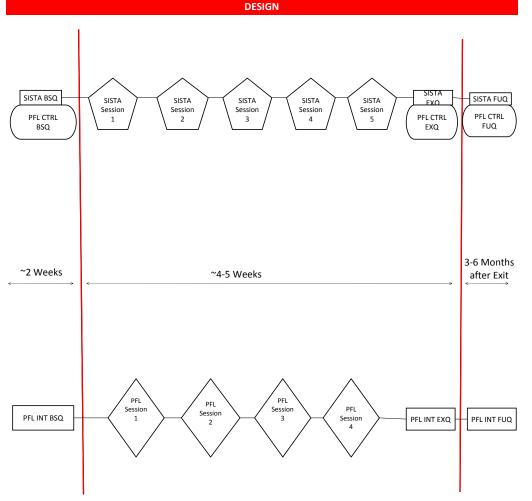
- · Black, heterosexual women
- Ages 19-34 years old

#### **PFL**

- · Black, heterosexual men and women
- · Ages 19-34 years old

### **METHOD**

- The PFL comparison group is selected from the SISTA program participants
- •Thus one intervention program serves as the comparison for the other intervention program
- Both Questionnaires---SISTA and PFL--- are collected simultaneously from the comparison group
  - · Reduce staff time
  - Reduce incentives
- It is important to pair the timing of the intervention group and the comparison group within a close timeframe
- It is also important to have restrictions on the comparison group participants in attending the other intervention (PFL)



#### DISCUSSION

#### **Design Advantages:**

- •Takes advantage of program delivery similarities in
- designing a comparison group
  - · Similar in intervention length
  - Match data collection time points
  - Concurrency of intervention and comparison group
- •Have environmental factors in control
- Minimize the variation due to random error.
- •Thorough comparison of knowledge gain & behavior changes over time
- Statistically robust for evaluation

#### **Design Challenges:**

- •Diligent effort is needed for follow up over time
- •Staff needs to keep consistent and clear records
- •The tracking process spans over the entire grant period
- •The comparison group participants are all women

BSQ= Baseline Questionnaire
EXQ=Exit Questionnaire
FUQ= Follow-Up Questionnaire
INT= Intervention Group
CTRL= Control/Comparison Group