

Transmission Network Targeting

Incorporating Social Network and Partner Testing with an
Emergency Department HIV Screening Program



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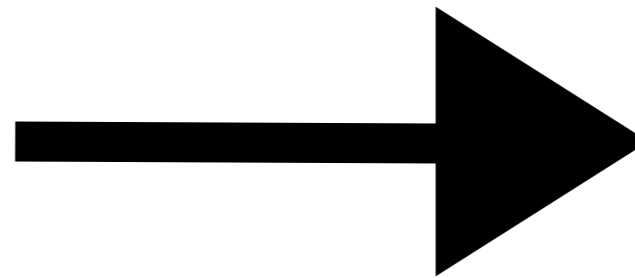
Disclosures

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- Clinical testing program is supported by
 - Ohio Department of Health
 - Cincinnati Health Department
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Background

Early
Diagnosis



Better
Outcomes

Background

Transmission Network Targeting

- Social network and partner testing
 - Information from index cases to target high risk
 - Chain referral method
 - Very high positivity

Background

Transmission Network Targeting

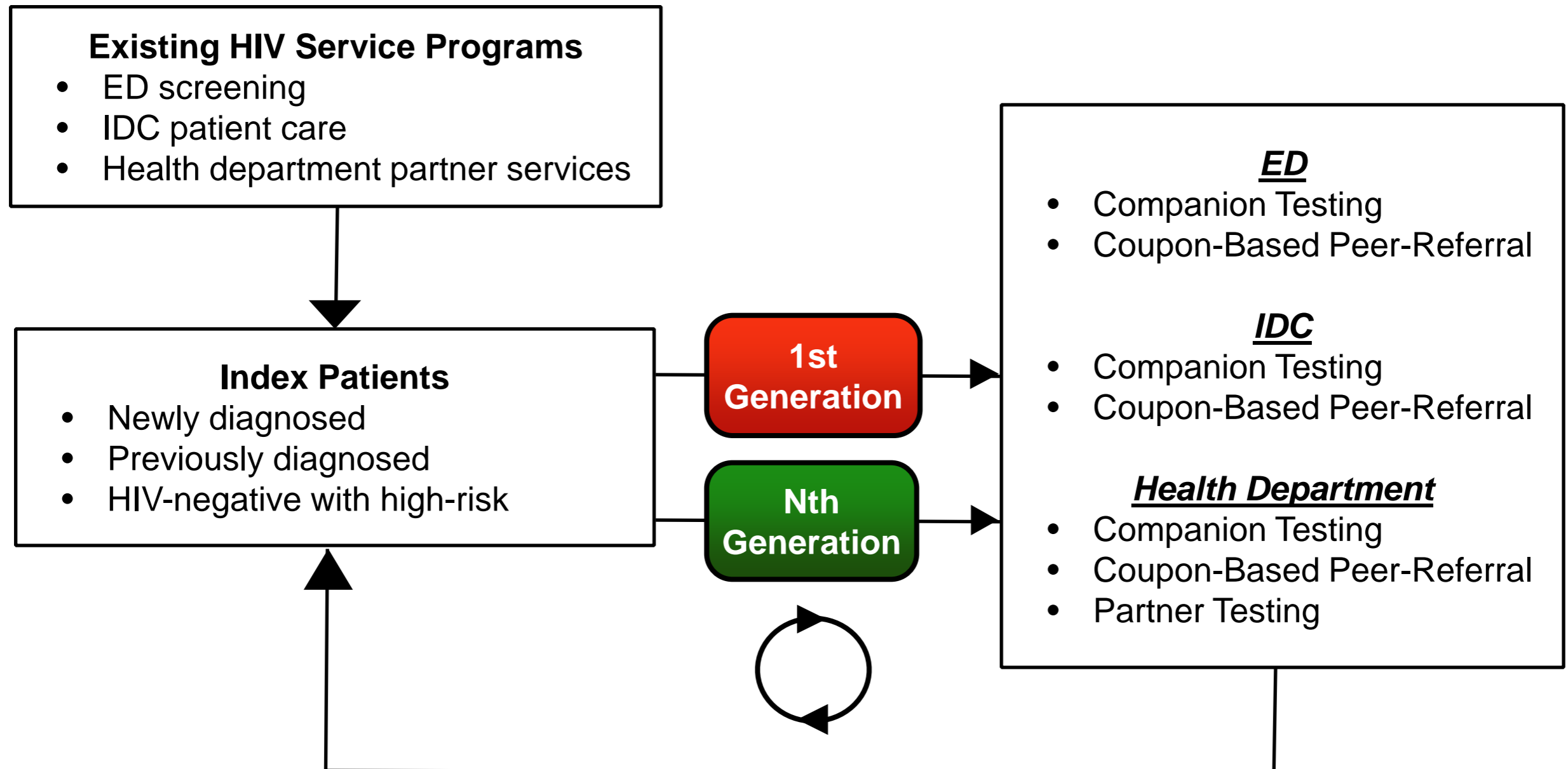
- Social networking techniques have not been integrated in healthcare
- Importance relative to healthcare screening is unknown

Objective

We evaluated a multicomponent, multisetting TNT strategy implemented by:

- ED HIV screening program
- Infectious diseases clinic
- Health department

Methods

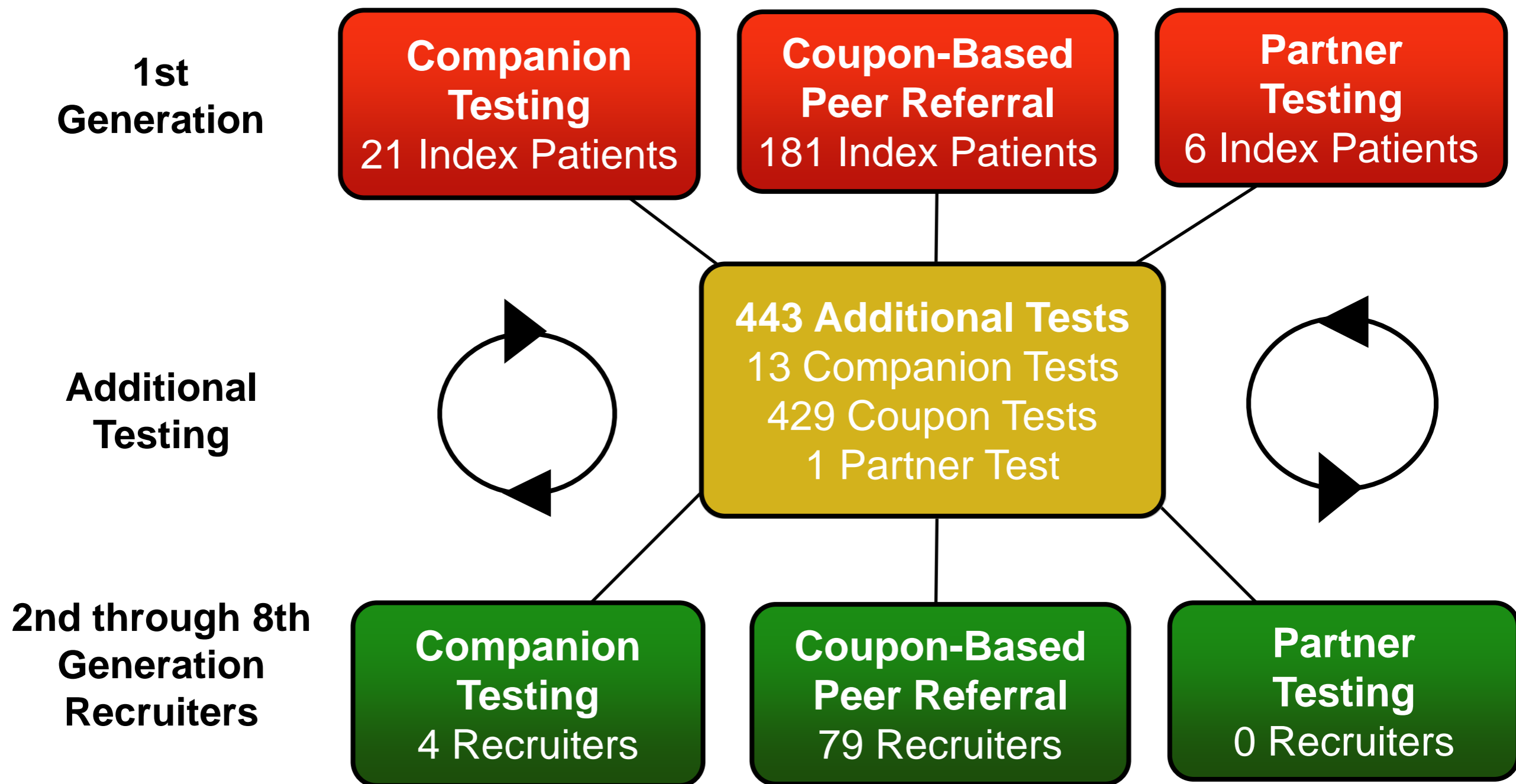


Methods

- Men who have sex with men (MSM)
- HIV-positive sex partner
- Heterosexual with multiple partners
- Injection drug use
- Exchange of sex for drugs or money
- Known HIV-positive status

**Index
Case
Risk
Profile**

Results



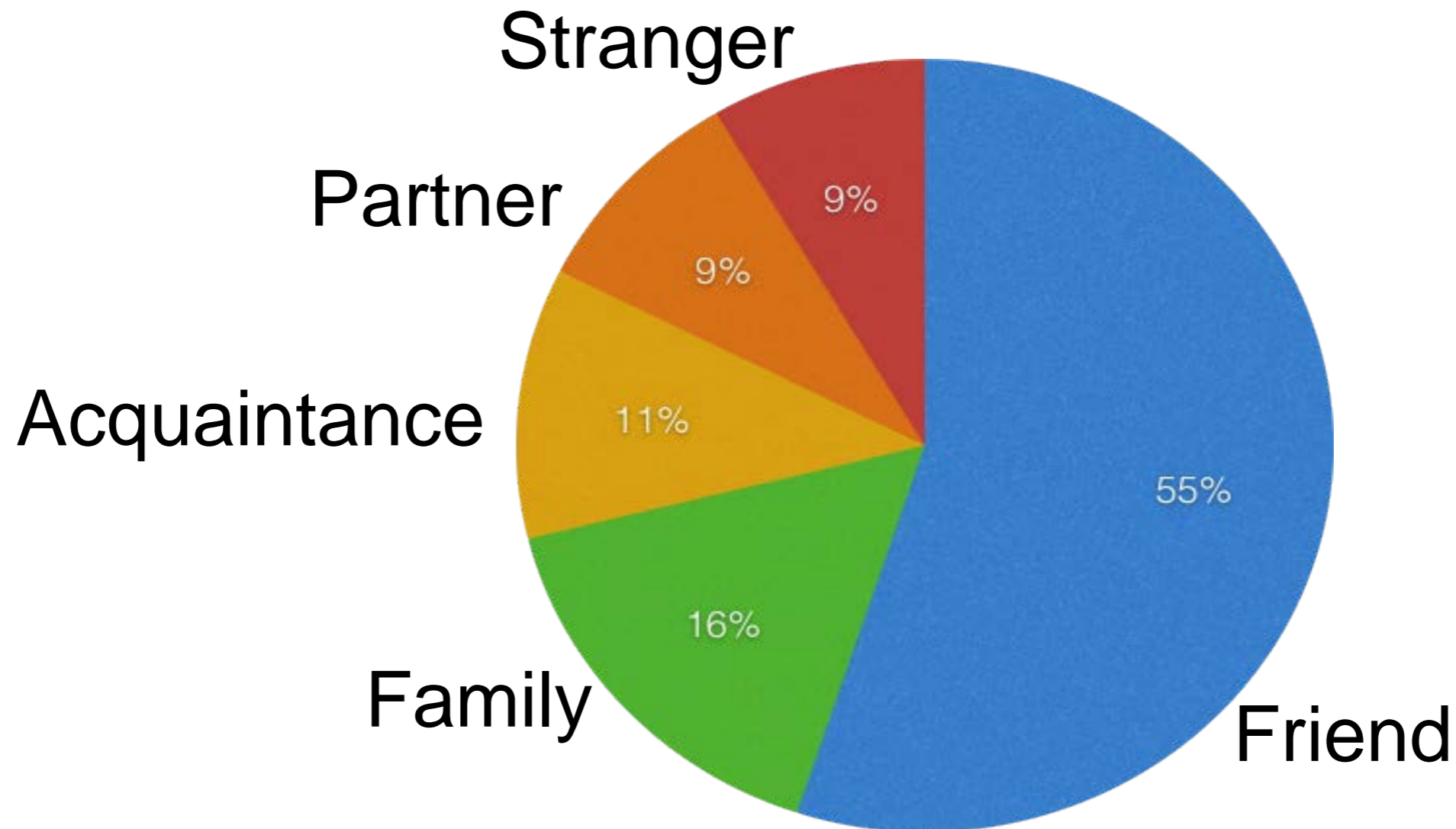
Results

**HIV
Positive**

$$0.9\% = \frac{4}{443}$$

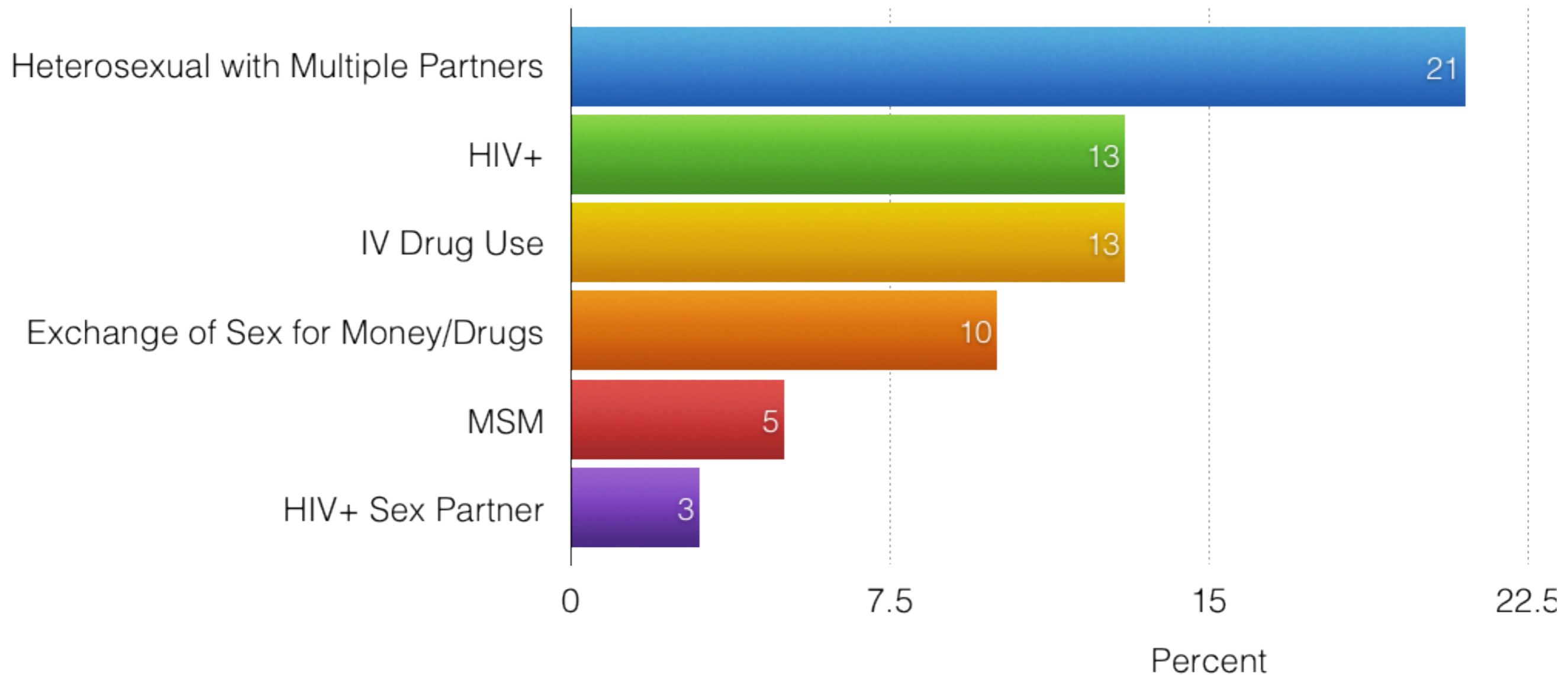
Results

Index-Contact Relationships



Results

Risks Among TNT Participants



Conclusions

- Successfully implemented
- Identifies a high-risk group



Conclusions

- This project demonstrates the need to better understand:
 - Importance of TNT relative to existing healthcare screening
 - Role of healthcare screening in seeding TNT programs
 - Benefit of multicomponent, multisetting models