

# Rapid ART Initiation

# Continuum of Care

Not in HIV Care



Engaged in HIV Care

Unaware of HIV infection

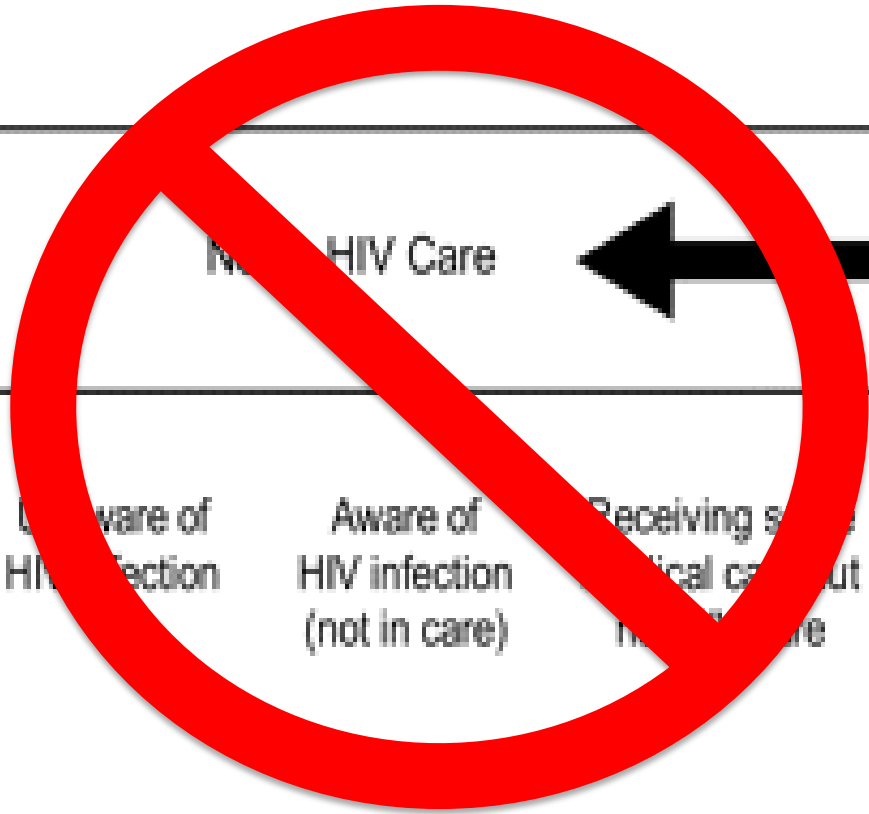
Aware of HIV infection (not in care)

Receiving some medical care but not HIV care

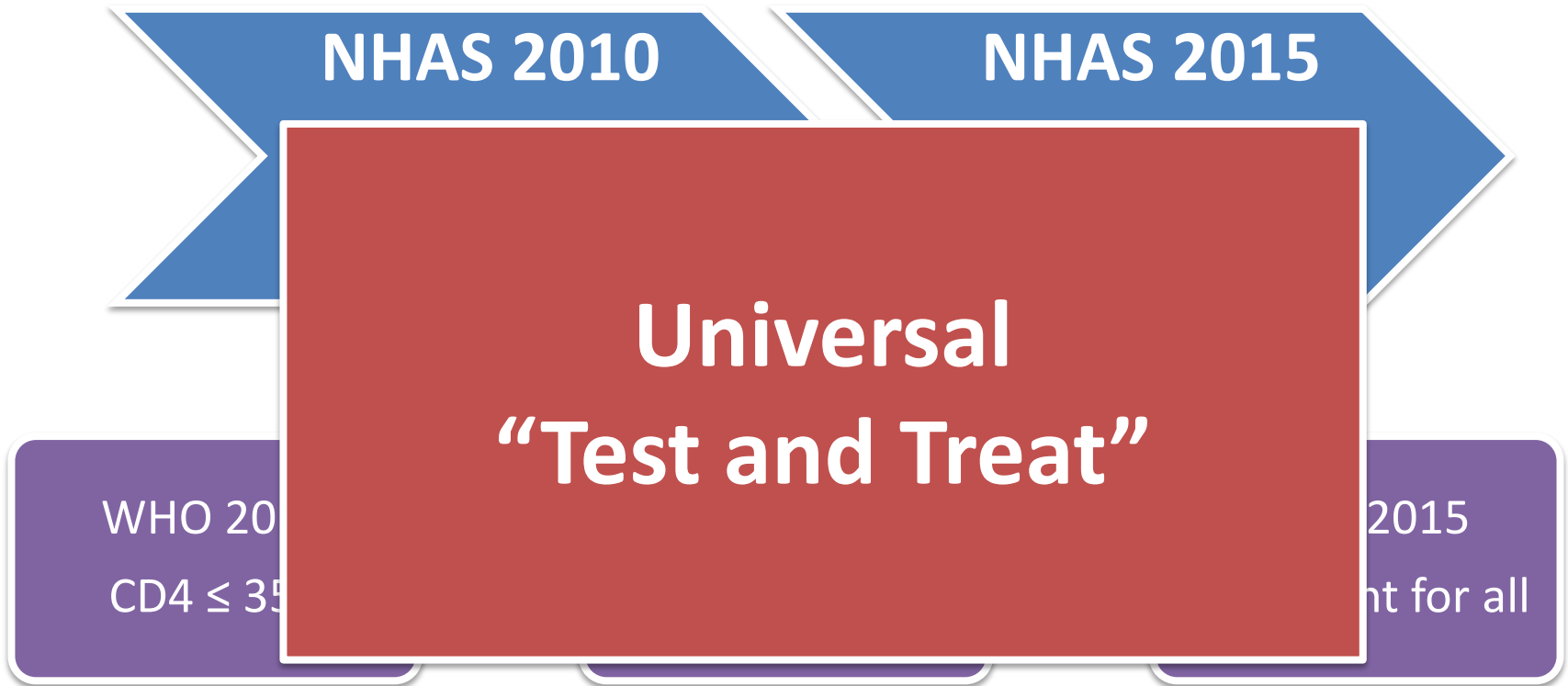
Entered HIV care but lost to follow-up

Cyclical or intermittent user of HIV care

Fully engaged in HIV care



# Shifting Goals in Care Continuum



# HPTN 052: Treatment and Prevention

- 1,765 heterosexual couples  
vs “delayed”

to “early”

The risk of transmission by HIV-infected individuals in care, receiving treatment and virally suppressed is virtually

0% assigned

**ZERO!!**

early vs late

- Final +  
ART start

- HIV transmission from study participants to their partners was not observed when viral replication in the treated individuals was stably suppressed by ART

# Guidelines for the Use of Antiretroviral Agents in HIV-1-Infected Adults and Adolescents



**ART as the rule,  
unless good reason  
not to start**

ART is  
morbid

to prevent

Important to educate  
and to address strategies  
deferred because of clinical  
soon as possible

for Adults  
research

and

the

regarding ART  
basis ART may be  
therapy should be initiated as



# Test-and-Treat Demonstration Projects/RCT

## SFGH RAPID

- Faster viral suppression (median 56 days)
- Feasible + Acceptable (90%)
- 35/39 (90%) remained in care at 18 months

## SA RapIT

- Increased ART uptake (97% vs 72%) at 90 days
- Improved viral suppression (64% vs 51%) at 10 months

Pilcher C et al. *Providing same day, observed ART to newly diagnosed HIV+ outpatients is associated with improved virologic suppression.* Eighth International AIDS Society Conference on HIV Pathogenesis, Treatment, and Prevention (IAS 2015), Vancouver, abstract WEAD0105LB, 2015.

Rosen S, Maskew M, Fox MP, Nyoni C, Mongwenyana C, et al. (2016) Initiating Antiretroviral Therapy for HIV at a Patient's First Clinic Visit: The RapIT Randomized Controlled Trial. *PLoS Med* 13(5): e1002015. doi:10.1371/journal.pmed.1002015  
<http://journals.plos.org/plosmedicine/article?id=info:doi/10.1371/journal.pmed.1002015>

# The Holy Grail of Rapid ART

