

Targeted screening and  
immediate start of treatment  
for acute HIV infection among  
men who have sex with men at  
a Sexual Health Clinic in  
Amsterdam, the Netherlands

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On behalf of the HIV Transmission Elimination  
AMsterdam (H-TEAM) initiative

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**FAST-TRACK CITIES 2019**

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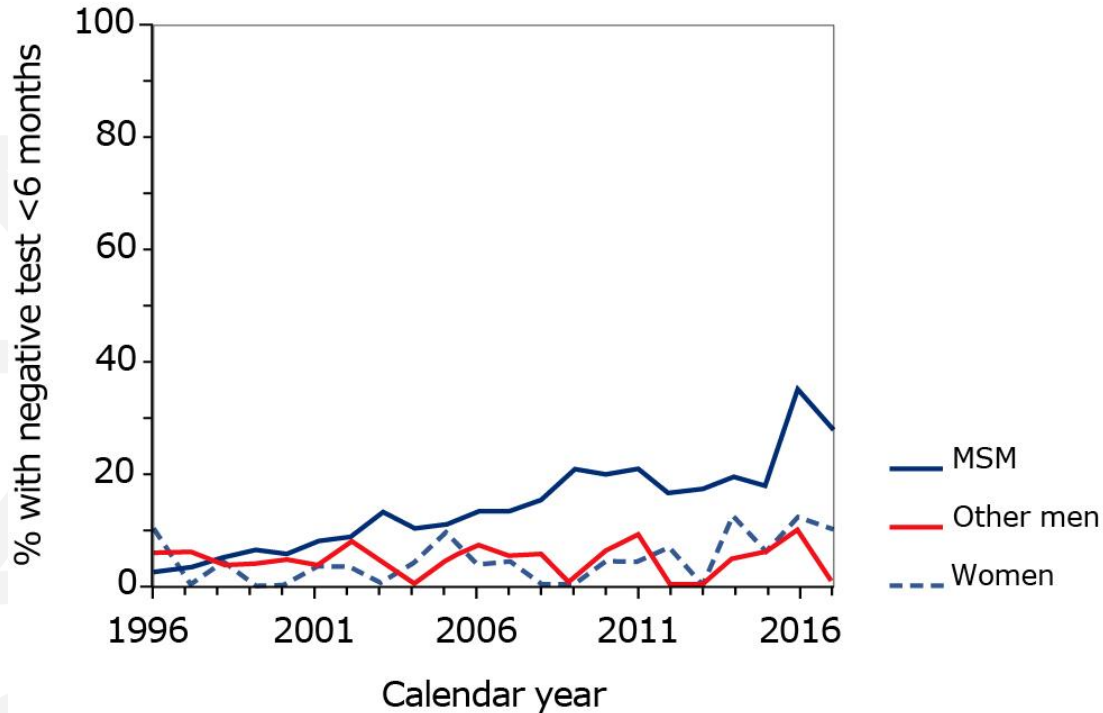
IN PARTNERSHIP WITH:



# Conflicts of interest

- None

# Recent infections in Amsterdam



Commentary

## The Benefits of Early Antiretroviral Therapy for HIV Infection: How Early is Early Enough?

Sulggi A. Lee, Steven G. Deeks \*

*University of California San Francisco, CA, USA*

- Rapid diagnostic and referral trajectory for acute HIV infection among MSM at the Amsterdam STI clinic
- Increase # acute HIV diagnoses, start ART within 24 hours

# Objective

Evaluation of rapid acute HIV trajectory by comparing MSM in trajectory vs. routine diagnostics and care, regarding:

- Acute HIV diagnosis
- Time from diagnosis to:
  - intake at an HIV clinic
  - start ART
  - viral suppression

# Rapid acute HIV trajectory, since 2015



# Rapid acute HIV trajectory, since 2015



Campaign<sup>1</sup>



Immediate start of ART



Mass-media campaign



The Amsterdam Score<sup>2</sup>

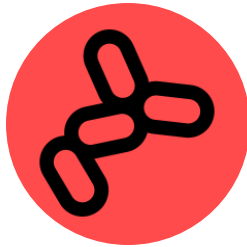


Point-of-care HIV-RNA



1. [www.hebikhiv.nl/en](http://www.hebikhiv.nl/en) 2. Dijkstra BMC Infectious Diseases 2017, Lin JAIDS 2018

# The Amsterdam Score for acute HIV infection



Development Amsterdam  
Cohort Studies  
**AUC 0.82**

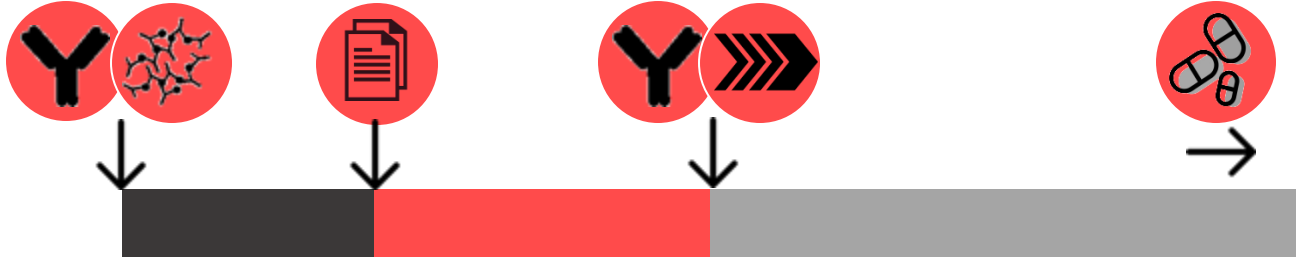
Validation Multicenter  
AIDS Cohort Studies  
**AUC 0.78**

Validation San Diego Early  
Test Programme  
**AUC 0.88**



# Procedures STI clinic

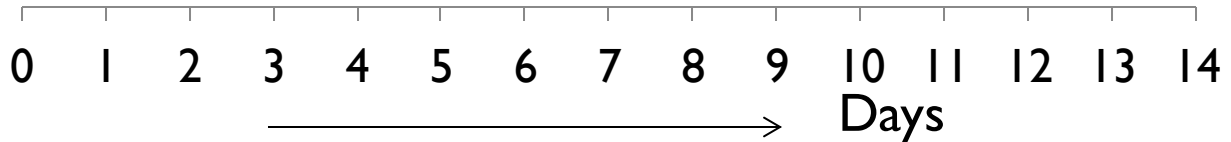
Ab Ag/Ab Results Confirmation & referral Start ART



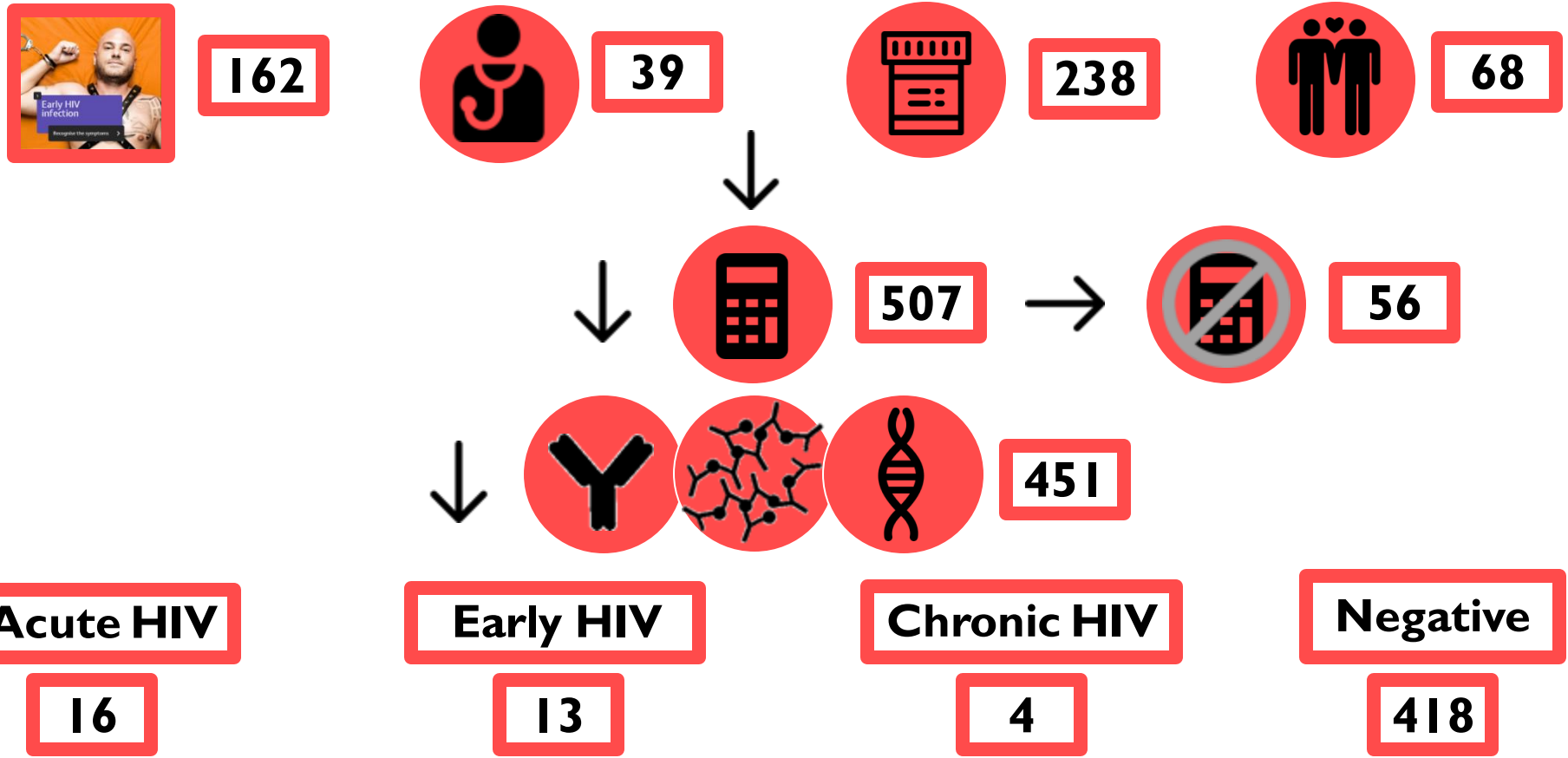
Routine  
screening



Rapid acute  
HIV  
trajectory



# Rapid acute HIV trajectory, 2015-2019



# Results 2015 - 2017

**Visits**

## Characteristics

**Routine**

16,021

**Trajectory**

249

\*Median

# Results – acute HIV diagnosis 2015-2017

## HIV positivity

- Routine: 0.7%
- Trajectory: 7.6%

## Acute HIV positivity

- Routine: 0.03%
- Trajectory: 4.0%

# Results – days to viral suppression

# Conclusions

- Targeted screening resulted in a higher proportion of acute HIV infection diagnosed than through routine screening among MSM at the Amsterdam STI Clinic
- Implementation of the rapid acute HIV trajectory, along with changes in treatment guidelines, resulted in a shorter duration between HIV diagnosis and viral suppression

# H-TEAM acknowledgements

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## Partners



## Sponsors



# Acknowledgements

[www.hteam.nl](http://www.hteam.nl)



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