

The Amsterdam Case study, Fast Track Cities conference, Sevilla, October 2022

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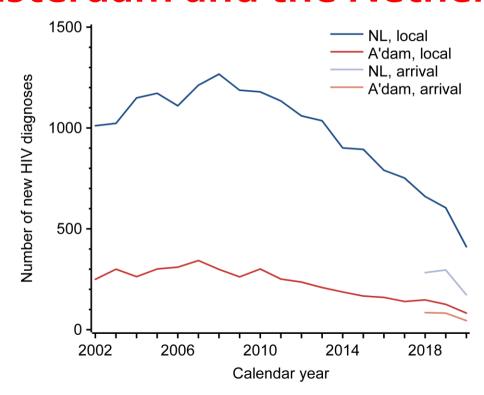
### **Outline**

The HIV epidemic and Amsterdam's innovations

- The HIV epidemic in Amsterdam
- H-TEAM initiative
- Implementation and innovation
  - Acute HIV diagnosis & fast linkage to care
  - Online PrEP provision (ezi-PrEP)
  - Reaching out to the trans gender population
  - "Sexy Side of the Netherlands" meetings
- Innovations in other fields

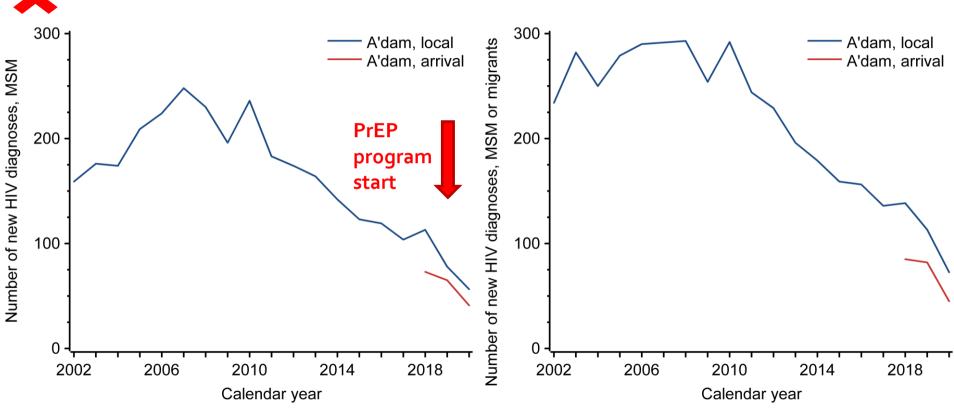


### Number of new HIV diagnoses, Amsterdam and the Netherlands



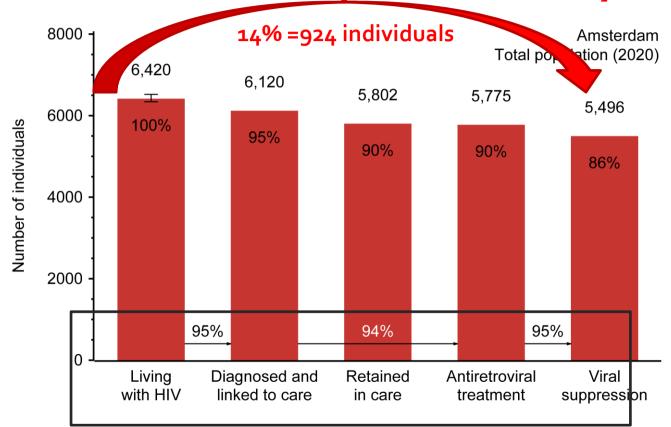


### New diagnoses for MSM (left) & MSM and migrants (right)



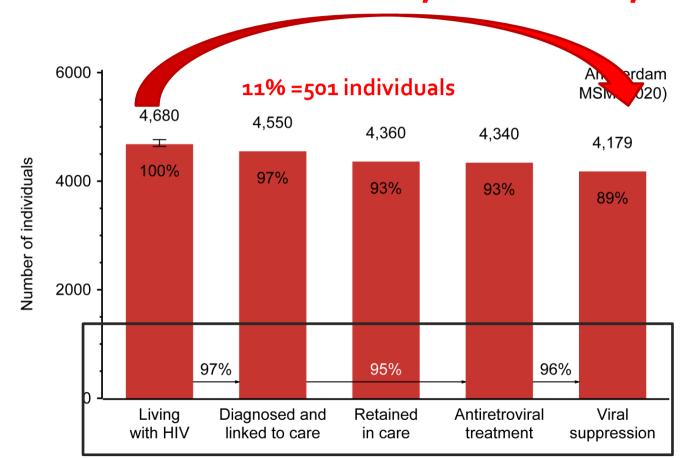


### Continuum of Care, Amsterdam, 2020





### Continuum of Care for MSM, Amsterdam, 2020













Innovation 1: Increasing awareness for acute HIV, rapid diagnostics, and linkage to care <24 hours



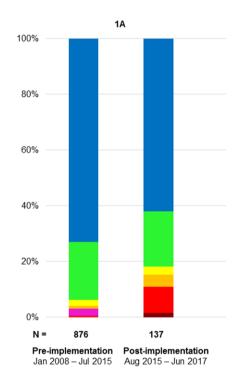
### www.hebikhiv.nl = www.doihaveHIV.nl

Knowledge and recognition of symptoms:

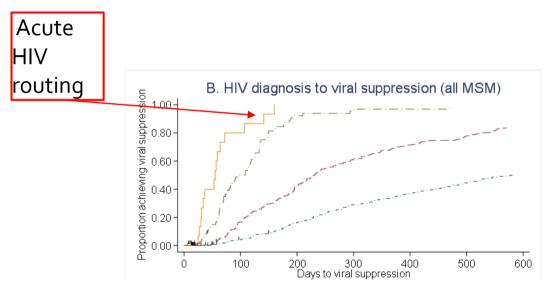




### **Outcomes**



Dark red: Fiebig 1, Blue, fiebig 5 Dijkstra et al, CID 2020

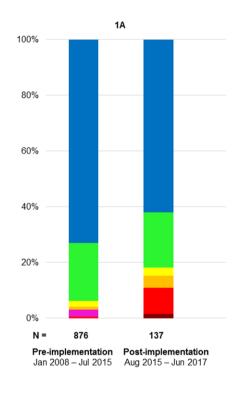


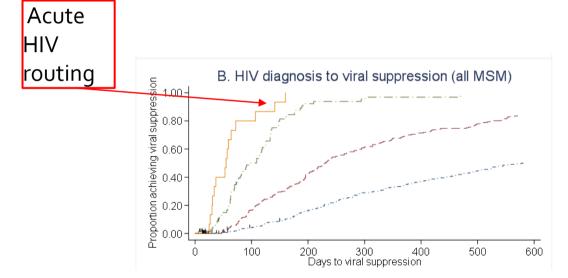
Orange: participants to acute hiv trajectory

Green: Purple: Blue:



### **Outcomes**





Dark red: Fiebig 1, Blue, fiebig 5

Dijkstra et al, CID 2020

Orange: participants to acute hiv trajectory

Green: start cART for all new HIV

Purple: start cART at CD4<500 or acute/recent HIV

Blue: start cART at CD4<500



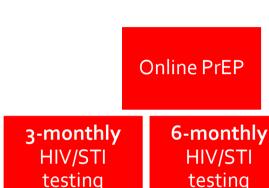
Innovation 2: online PrEP provision in the ezi-PrEP project





### Randomized controlled non-inferiority trial





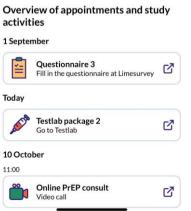


testing

testing

activities 1 September **Ouestionnaire 3** Fill in the questionnaire at Limesurvey Today Testlab package 2

10 October 11:00





# Innovation 3: Reaching out to the trans gender population

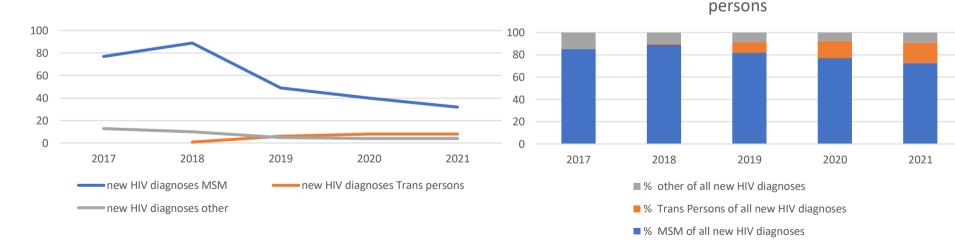






## HIV Diagnoses at the Center for Sexual Health in Amsterdam: focus from MSM to Trans persons

New HIV diagnoses Center Sexual Health Amsterdam, 2017-2021



Proportions of new diagnoses in MSM and trans







#### **Co-led Clinic:**

#### Services:

- Hormone Support
- Sexual Health Services
- Psychosocial Support

#### Provided for:

People from the trans and gender diverse community who experience barriers to access regular care

- Asylum seeker/ Undocumented status
- Homelessness
- Active as sex worker
- Migrant background



# Innovation 4: Information meetings for LGBTIQ+ newcomers in a gay club in Amsterdam



### Meetings for LGBTQI+ newcomers: "Sexy Side of the Netherlands"





### Innovation in hepatitis C field



#### A randomized trial to evaluate interventions aimed at reducing risk of HCV reinfection in MSM: the ICECREAM study





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#### Introduction

Despite high uptake of direct acting antivirals and declining rates of primary hepatitis C virus (HCV) infection among men who have sex with men (MSM), reinfection rates are still high. Modelling data indicate that a reduction in risk behaviour is needed to eliminate HCV infections. There is then a need for effective interventions aimed at reducing risk of HCV reinfection in MSM.

#### Description

#### Study design

The Interventions to Curb hEpatitis C Reinfections Among MSM (ICECREAM) study is a multi-centre, 3-arm, randomized, pre-/post-intervention comparison trial evaluating the effect of interventions on HCV risk behaviour (Figure 1):

- 1. Tailored, online behavioural intervention.
- 2. Home-based self-sampling for HCV RNA testing.
- 3. Interventions 1 and 2 combined.

#### Study population

- MSM (with or without HIV) with previous HCV infection.
- Currently in care at an HIV treatment centre or visiting a sexual health centre in the Netherlands or France.

#### Primary endpoint

· Proportion at risk of HCV infection (as determined by the HCV-MOSAIC risk score ≥2.0 (Newsum et al, Euro Surveill 2017), which is compared between pre- and post-intervention periods, within each arm.



Home-based self-sampling testing intervention

This intervention consists of a patient-initiated, home-based HCV self-sampling test service that is delivered in addition to routine care. The intervention offers:

- 4 free-of-charge self-sampling HCV RNA test kits.
- . Home-based HCV testing using self-sampled dried blood spots (DBS).

Sampling kits are given to participants, along with paper instructions how to use the self-sampling test and package materials on how to return self-collected DBS samples (Image 1). Participants receive test results via secured email and are offered linkage to care, if needed



Image 1, ICECREAM self-sampling kit.

#### Lessons learned and recommendations

- By October 2022, 109 MSM were included.
- Including a control comparator arm was deemed unappealing. Hence, we opted for a 6-month run-in period
- This trial could contribute to reducing incident re-infections and achieving HCV micro-elimination.
- Interventions developed may help in offering information on prevention or easing access to HCV RNA testing.

#### Interventions

#### Behavioural intervention

This web-based, tailored, behavioural intervention is structured using the principles of the Information-Motivation-Behavioural Skills (IMB) model for behavioural change and is a modified version of the ehealth counselling intervention embedded in the Swiss HCVree trial (Braun et al. CID 2021).

#### Content summary:

- · Module 1: focusses on self-reflection and exploring the intrinsic motivation of participants using filmed role models.
- Module 2: focusses on increasing HCV-related knowledge.
- · Module 3: identifies the necessary steps to achieve behavioural goals, leading to a personalized risk reduction plan.
- · Module 4: focusses on evaluating the risk reduction plan (Figure





Figure 2. Screenshots from the behavioural intervention.

























### **Acknowledgements**



Maria Prins Tom van Benthem Maria Oud **Camiel Welling** Alex von Vaupel Dinah Bons Sherry Jae Ebere Marianne Craanen Jane Ayal Jet Groen Annelies van Dijk Marije Groot Bruinderink Kris Hage
Anders Boyd
Udi Davidovich
Maarten Schim van der Loeff
Ard van Sighem
Godelieve de Bree
Peter Reiss





### H-TEAM acknowledgements



H-TEAM

Professor Joep Lange











































Funding support



















