

Pre-exposure prophylaxis (PrEP) among men who have sex with men (MSM) in the Amsterdam Cohort Studies (ACS):

Eligibility, intention and actual use

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Disclosure of speaker's interests

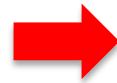
- No conflicts of interests

××× Background

- In the Netherlands, costs of PrEP currently not reimbursed
- Ways to obtain PrEP:
 - **Study-provided** (AMPrEP / DISCOVER)
 - **Self-obtained** (doctor's prescription, abroad, buyer's club, via friends, etc)

In the Netherlands,

- How many MSM are currently **using PrEP**?
Are users different from non-users?
- How many MSM would be **eligible** for PrEP?
- How many MSM are **willing** to use PrEP?



Data from the
Amsterdam Cohort Studies

nc hiv

HIV



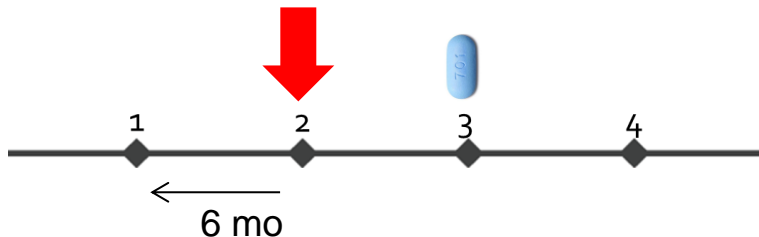
Methods

- All **HIV-negative MSM** participating in the ACS between July 2015 and June 2017
 - 6-monthly visits
 - At each visit:
 - Self-completed questionnaire on (sexual) behavior in the preceding 6 months
 - HIV/STI testing
 - Included 4 questionnaire waves



Methods

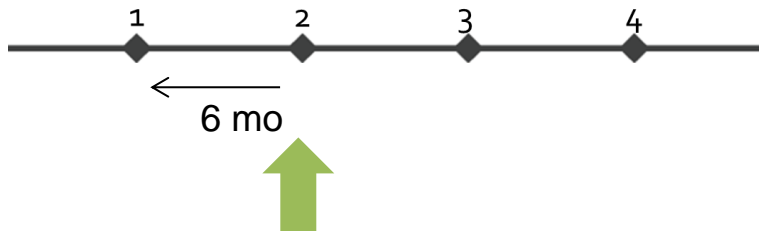
- Trend in PrEP use over time, using generalized estimating equations
- Comparing PrEP users and non-PrEP users, using descriptive statistics
 - **PrEP users**: reported PrEP use at least once between 2015-2017
 - Information taken from questionnaire prior to first PrEP use





Methods

- Trend in PrEP use over time, using generalized estimating equations
- Comparing PrEP users and non-PrEP users, using descriptive statistics
 - **PrEP users**: reported PrEP use at least once between 2015-2017
 - **Non-PrEP users**: never reported PrEP use





Methods

- **Trend in PrEP use over time**, using generalized estimating equations
- **Comparing PrEP users and non-PrEP users**, using descriptive statistics
 - **PrEP users**: reported PrEP use at least once between 2015-2017
 - **Non-PrEP users**: never reported PrEP use
- **Determined eligibility for PrEP***:
 - Condomless anal sex (CAS) with partner with unknown or seropositive HIV status *AND/OR*
 - Rectal STI *AND/OR*
 - PEP prescription ... in the preceding 6 months
- **Intention to use PrEP** measured on a 7-point Likert scale



* based on: HIV Pre-expositie profylaxe (PrEP) richtlijn Nederland - NVHB

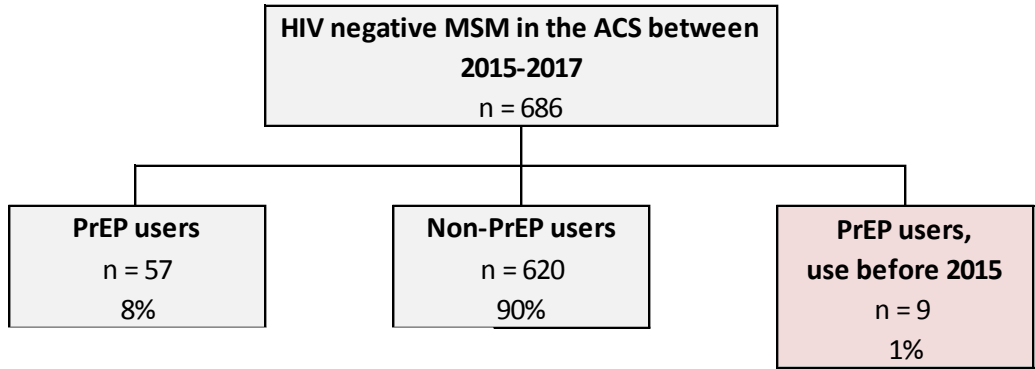


Results

HIV negative MSM in the ACS between
2015-2017
n = 686

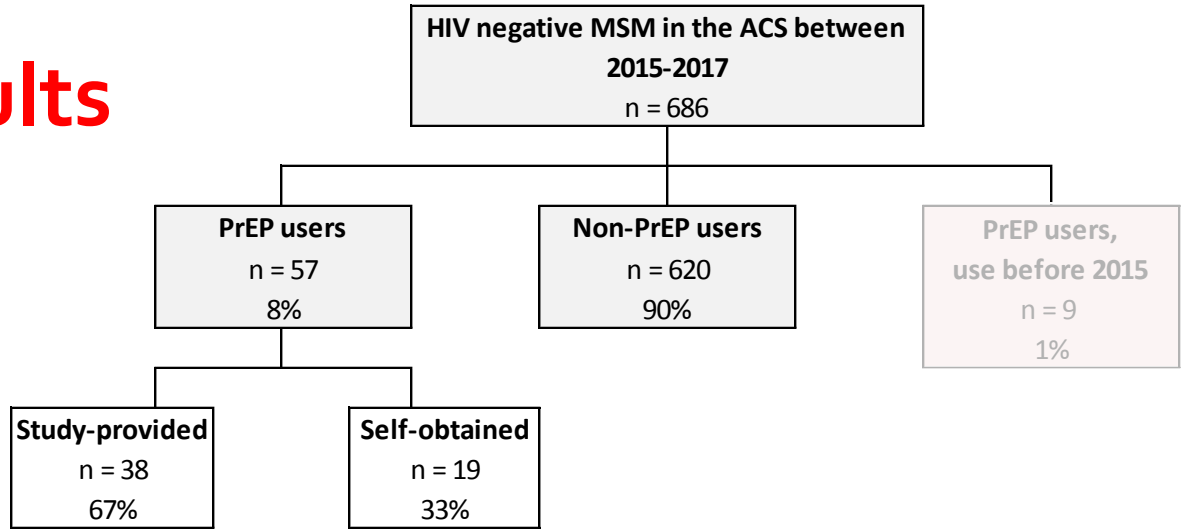


Results



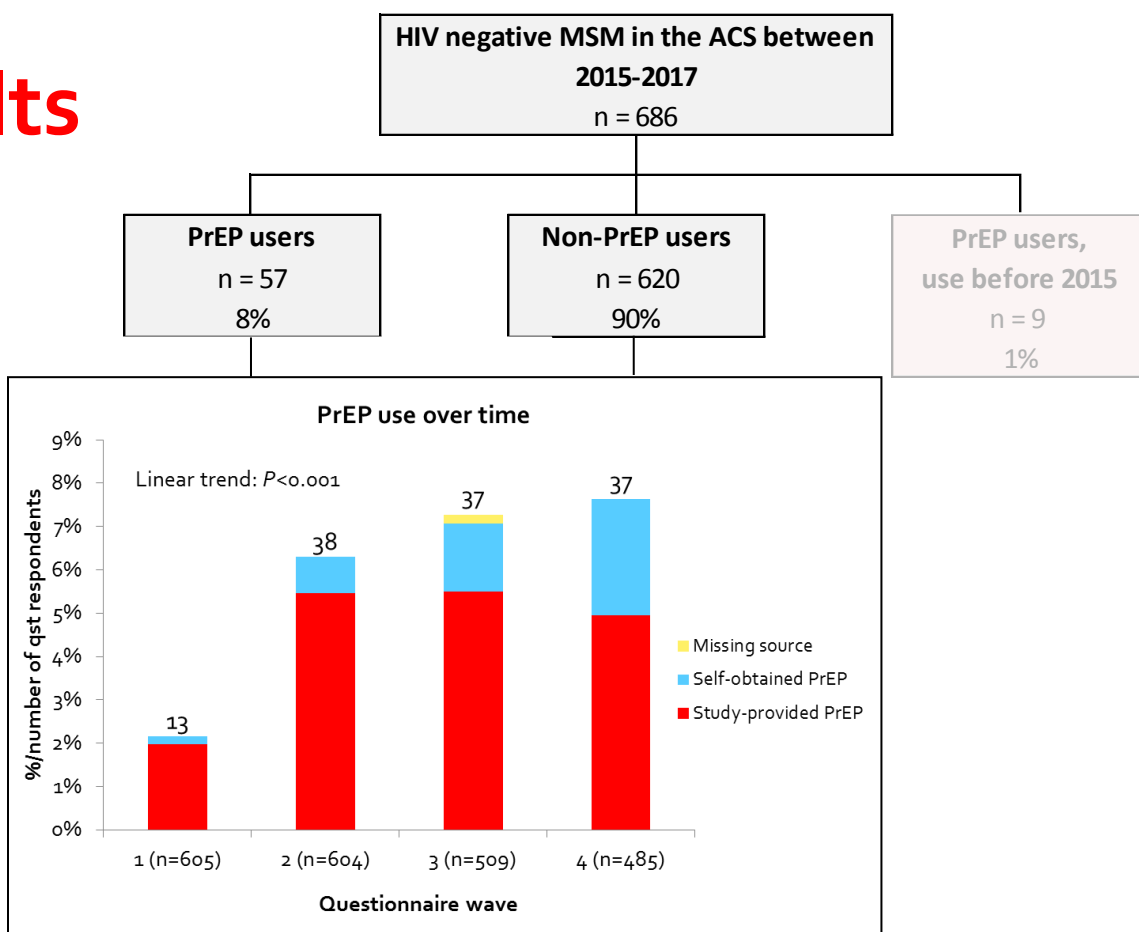


Results



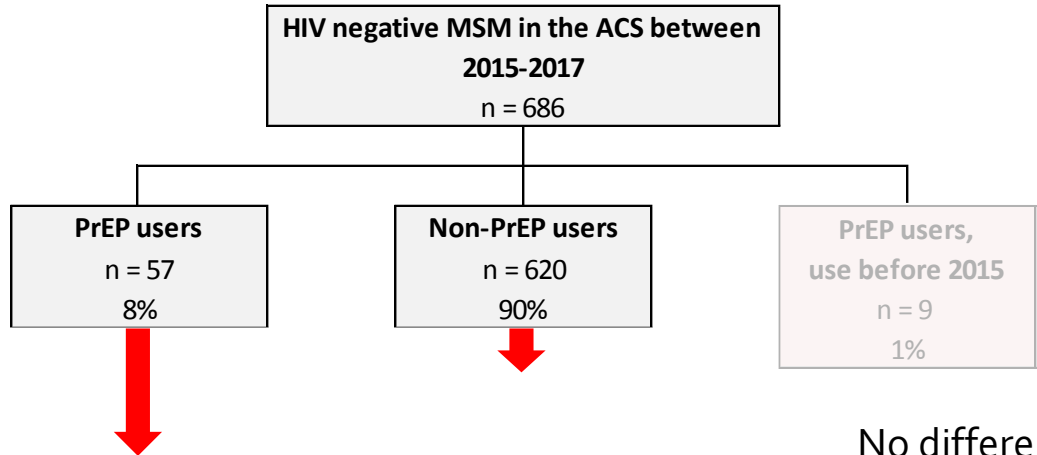


Results





Results



Steady partner (85% vs 60%; p<0.001)

Median # of casual partners (21 vs 11; p<0.001)

CAS with casual partners (86% vs 70%; p=0.022)

Chemsex* with casual partners (42% vs 21%; p=0.001)

No difference in:

- **Age** (median 40 vs 41)
- **Country of birth and educational level**
- **Any STI diagnosis** in preceding 6 months (27% vs 24%)
- **Rectal STI diagnosis** in preceding 6 months (15% vs 17%)



Results

- MSM **eligible** for PrEP in second half 2016: **33%**
- MSM with **high intention** to use PrEP in 2015: **30%**
 - Eligible MSM: 51%
 - Non-eligible MSM: 24%



Conclusion

- PrEP use among MSM in the ACS is relatively low (<10%), but increased over time
- PrEP users had higher levels of sexual risk behavior than non-PrEP users
- Eligibility and intention to use PrEP are high (~30%), suggesting that a large proportion of MSM could benefit from PrEP once accessibility is improved



Discussion

- **Strengths**

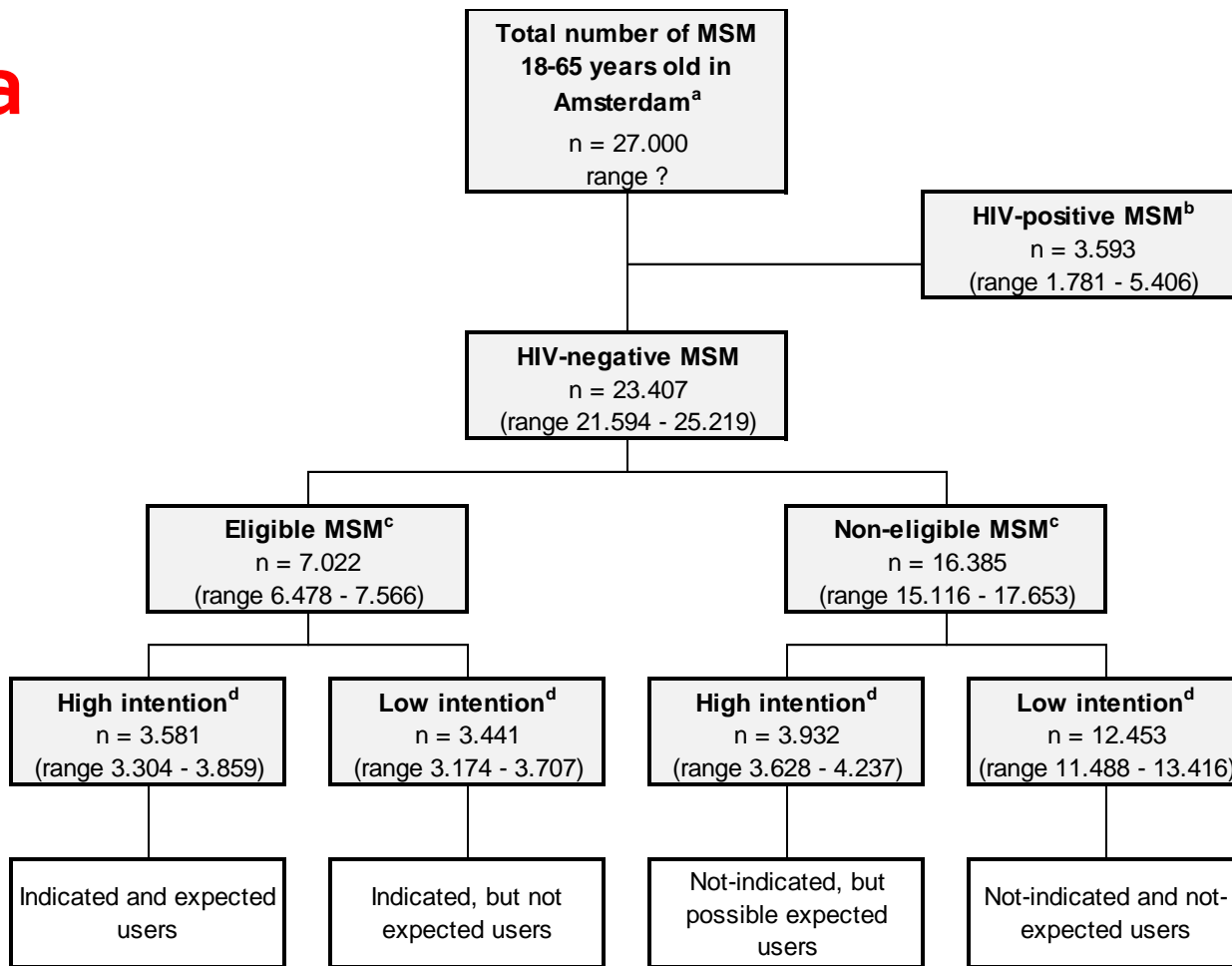
- Real-life setting
- First data on PrEP eligibility

- **Limitations**

- Study-provided PrEP users are a selected high-risk group
- Low number of people on PrEP: subgroup analyses not possible
- Missing information on eligibility (~10%) -> slight overestimation



Extra



^a Amsterdamse gezondheidsmonitor 2012 and CBS. ^b prevalence estimation from Van Veen et al, AIDS, 2011, and poster of Op de Coul et al, 2014. ^c Based on national PrEP guidelines of NVHB

✕✕✕ Acknowledgements

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ACS participants

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DC Klinieken

