# 0957

# **Risk Factors Associated With Non-Prescription Use of HIV Pre-Exposure** Prophylaxis

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## Background

- HIV pre-exposure prophylaxis (PrEP) and red currently not covered by health insurances in
- Affordable generic PrEP can be purchased w (price reduction from ~820 Euro to ~50 Euro
- Non-prescription PrEP use with drugs obtained
- Objective of this study: To estimate the exte PrEP users and identify possible risk factors

# Results

- 2,005 current PrEP users recruited
- 78.7% participants completed the survey
- days: 16.4%

### Table 1: Sources of PrEP in Germany

### **PrEP Source**

Prescription use

Ordering online

Buying drugs in another country

Through friends

Using medication from post-exposure prophyla

Buying from dealers

Sex parties

Other sources

PrEP users with non-prescription drug use:

- tended to have used PrEP longer than PrEP users with prescription drug use (median: 7-12) months vs. 3-6 months, p<0.001).
- were more likely to use PrEP intermittently or on demand (adjusted OR = 2.3, 95% CI 1.3, 4.2).
- were at higher risk of not obtaining medical tests before starting PrEP (adjusted OR = 3.3, 95% CI 1.6, 7.0) or during PrEP use (adjusted OR = 3.1, 95% CI 2.0, 4.8).

# Conclusion

Non-prescription PrEP users were less likely to use PrEP according to current guidelines. This could increase the risk for undetected HIV and STI infections in this group. Our findings highlight the need for patients to access PrEP through healthcare systems in order to allow safe use.

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	Me
quired tests before and during PrEP use are Germany. vith private prescriptions since October 2017 per month). ed through informal sources can occur. ent of continued informal PrEP use in German associated with non-prescription PrEP use.	<ul> <li>Re</li> <li>Re</li> <li>CO</li> <li>Pre</li> <li>Ot</li> <li>Fa</li> <li>re</li> </ul>

• Average number of days with PrEP use per month: 26+ days: 73.1%, 12-25 days: 10.5%, 1-11

	n [%]
	80.4 %
	9.9 %
	3.2 %
	2.8 %
axis as PrEP	1.0 %
	0.8 %
	0.8 %
	1.0 %

Multivariable logistic regression model adjusting for age, annual gross affordability of PrEP, condom use, outness about PrEP, and number

### ethods

ecruitment of current PrEP users from 24<sup>th</sup> July to 3<sup>rd</sup> September 2018 ecruitment for an anonymous online survey via geolocation dating apps for MSM, ommunity-based HIV testing sites, and a community website in Germany. rescription PrEP use = use of PrEP obtained through German pharmacies and clinical trials; ther sources = non-prescription drug use.

actors associated with non-prescription PrEP use were assessed using multivariable logistic gression models.

• Median age: 38 years (IQR: 31–45) • Medical tests before starting PrEP: 95.4% • Medical tests during PrEP use: 86.9%

Figure 1: Risk factors associated with non-prescription PrEP use





6 Ratio s income, country of origin, of partners.	8