**Results : Latent multi-trajectory model**

**Purpose:** To identify clusters according to the PrEP and Condom use behavior.

**Advantage:** Controls observable and unobservable heterogeneity.

**Results : Outcomes**

332 participants (out of 400) had anal sex at least once during the double-blinded phase: 332/400 (83.0%).

# Trajectories of PrEP use

- PrEP-DU: declining users
- PrEP-SU: systematic users
- PrEP-HLU: high-level progressive users
- PrEP-LLU: low-level users

# Trajectories of Condom use

- Condom-SU: systematic users
- Condom-DU: declining users
- Condom-HLU: high-level progressive users
- Condom-LLU: low-level users

**Conclusion**

In the ANRS IPERGAY trial, most high-risk MSM used either PrEP and/or condoms during the most recent anal intercourse. Special attention must be paid to MSM with low condom use who do not compensate by using PrEP, representing 23% among the 332 participants included in this analysis.