# HIV self-testing in men who have sex with men in Argentina: High acceptability and the importance of tailored implementation

R.B. Antivero Battistelli<sup>1</sup>, N. Morando<sup>1</sup>, M. Meijomil<sup>1</sup>, R. Marone<sup>3</sup>, A. Durán<sup>2</sup>, M.N. Muñoz<sup>4</sup>, M.B. Bouzas<sup>5</sup>, M. Vila<sup>2</sup>, H. Salomón<sup>1</sup>, M.Á. Pando<sup>1</sup>

<sup>1</sup>Instituto de Investigaciones Biomédicas en Retrovirus y SIDA, Buenos Aires, Argentina, <sup>2</sup>Coordinación Salud Sexual, VIH e Infecciones de Transmisión Sexual, Buenos Aires, Argentina, <sup>3</sup>Nexo Asociación Civil, Buenos Aires, Argentina, <sup>4</sup>Asociación Ciclo Positivo, Buenos Aires, Argentina, <sup>5</sup>Hospital de Infecciosas Francisco Javier Muñiz, Buenos Aires, Argentina

rocioantiverob@gmail.com

# Background

Men who have sex with men (MSM) constitute a key population with a high prevalence of HIV (12-15%) in Argentina. HIV self-testing (HIVST) is recommended as a tool for increasing the access to diagnosis in this population.

### Objective

To evaluate the acceptability and use of an oral-based HIVST in MSM for the first time in Argentina.

### Methods

Pilot study conducted from January 2022 to January 2023 to assess the use and acceptability of oral HIVST among MSM in Buenos Aires, Argentina.



Participants were recruited through with networks, social participation of non-governmental organizations involved in HIV



Participants first underwent a rapid blood test



Then, seronegative MSM received the oral HIVST (OraQuick HIV Self-Test) for use under supervision but without assistance at a testing center



in 90 days, outside the health system, and were followed up through a messaging application

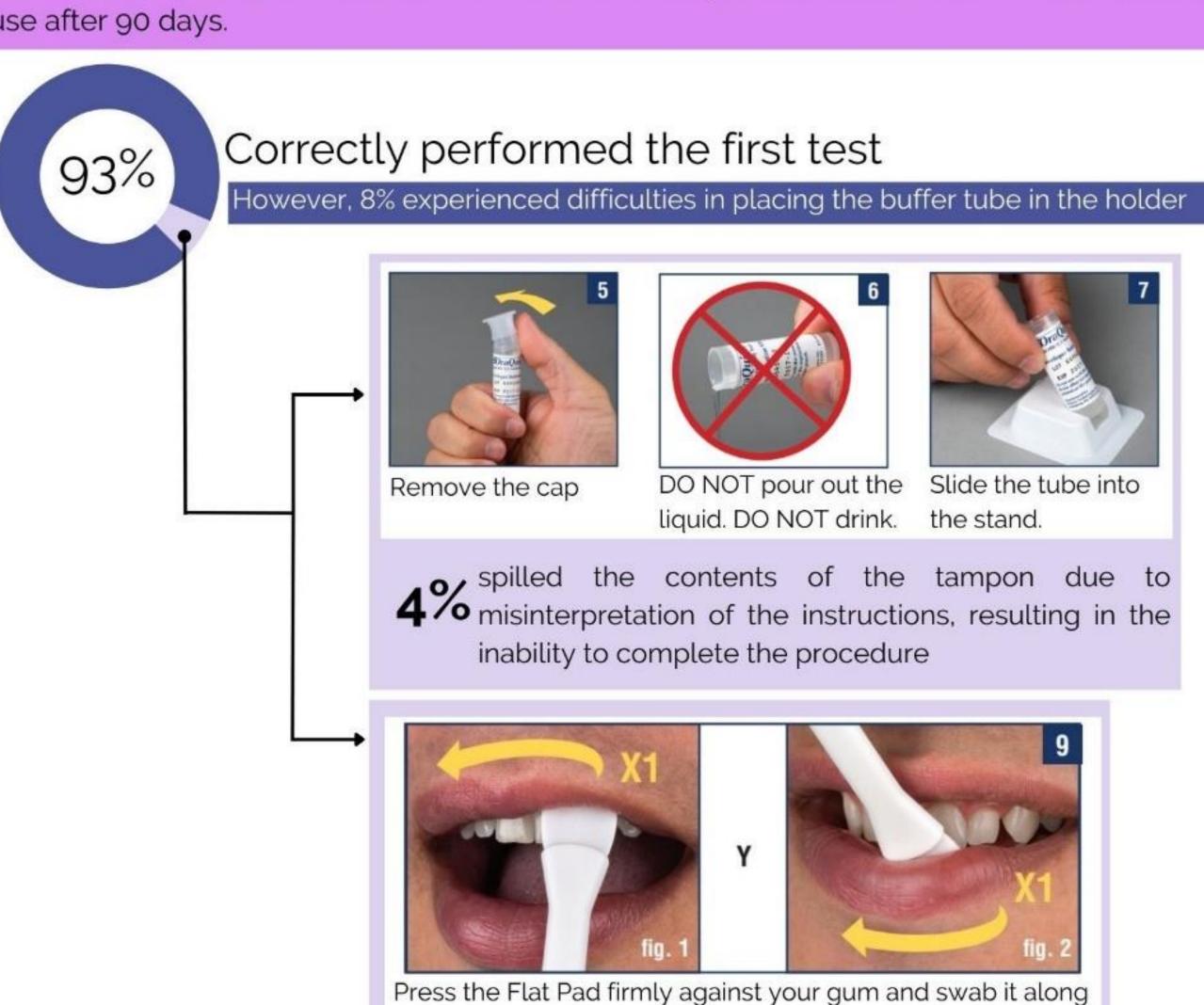


The experience using the HIVST was reported through a self-administered online survey consisting of closedended questions. The data were analyzed using SPSS

### Results

# HIVST use at the testing center

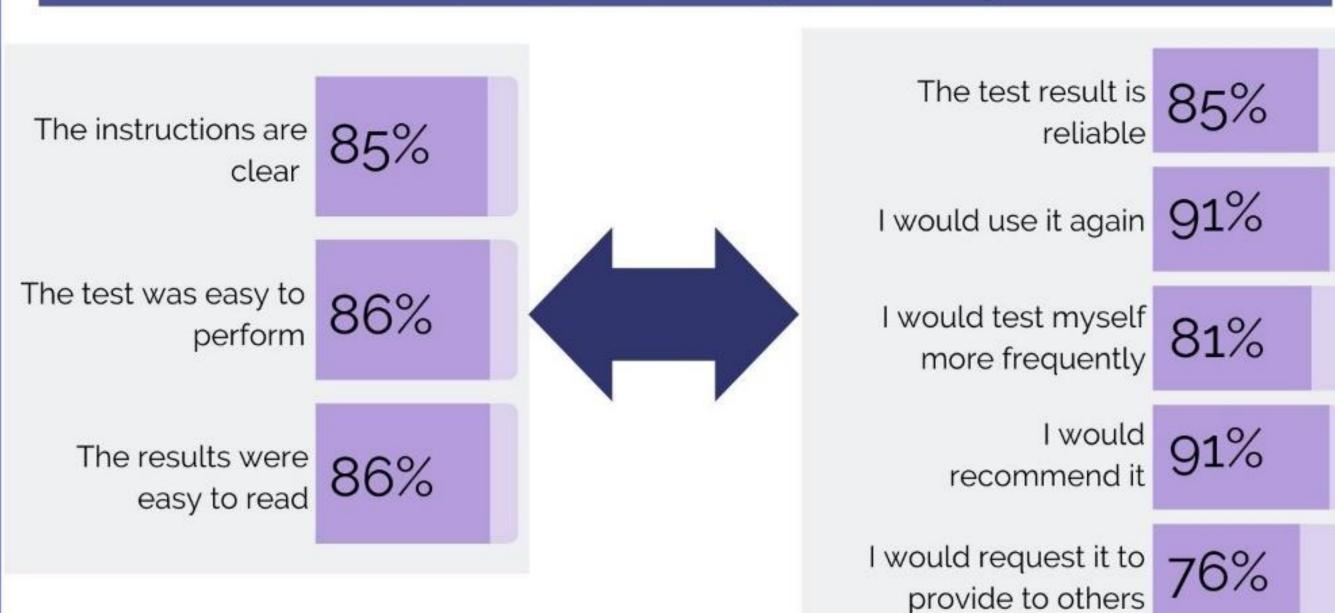
A total of 100 MSM performed the HIVST at the testing center and received a second kit to use after 90 days.



# Post-test acceptability

your upper gum once (fig. 1) and your lower gum once (fig. 2)

3% inaccurately performed the sample collection process



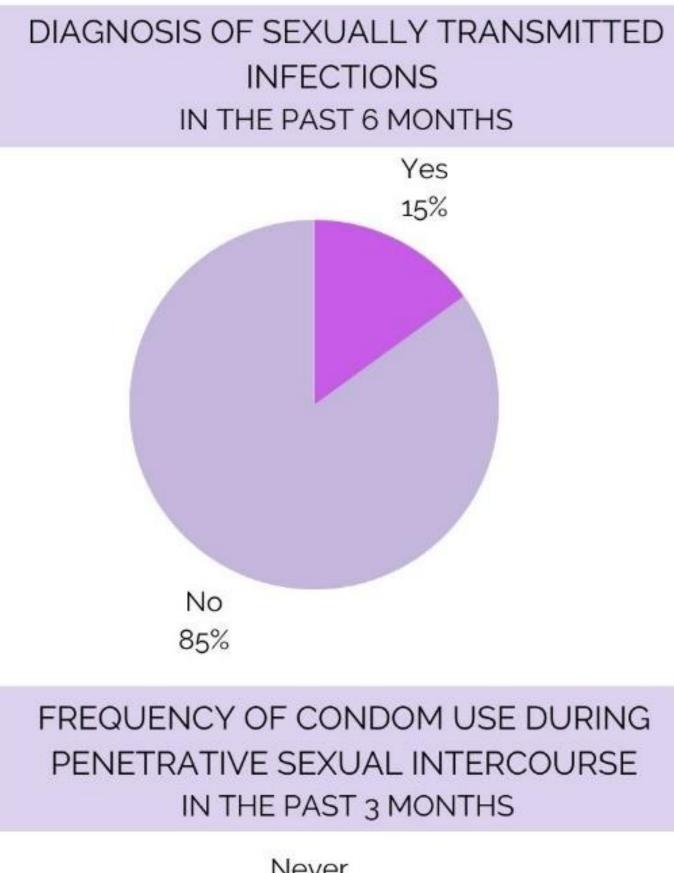
An overwhelming majority of MSM (83.7%) found the instructions clear, the test easy to perform, and the results easy to read. Compared to those who expressed dissatisfaction in at least one of these aspects, these participants were more willing to use (p< 0.001), recommend (p< 0.001) and distribute (p< 0.01) HIVST. They were also more likely to trust the result (p<0.001) and test themselves more frequently if it were available (p=0.02).

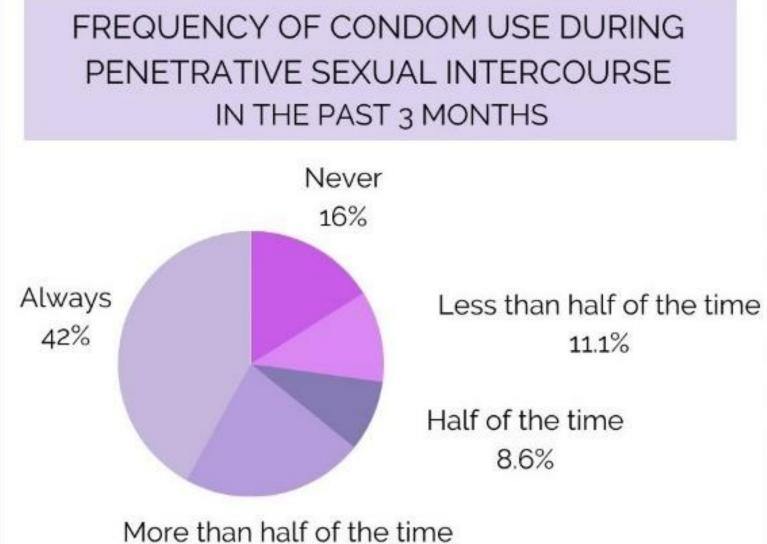
# HIVST use outside the health system

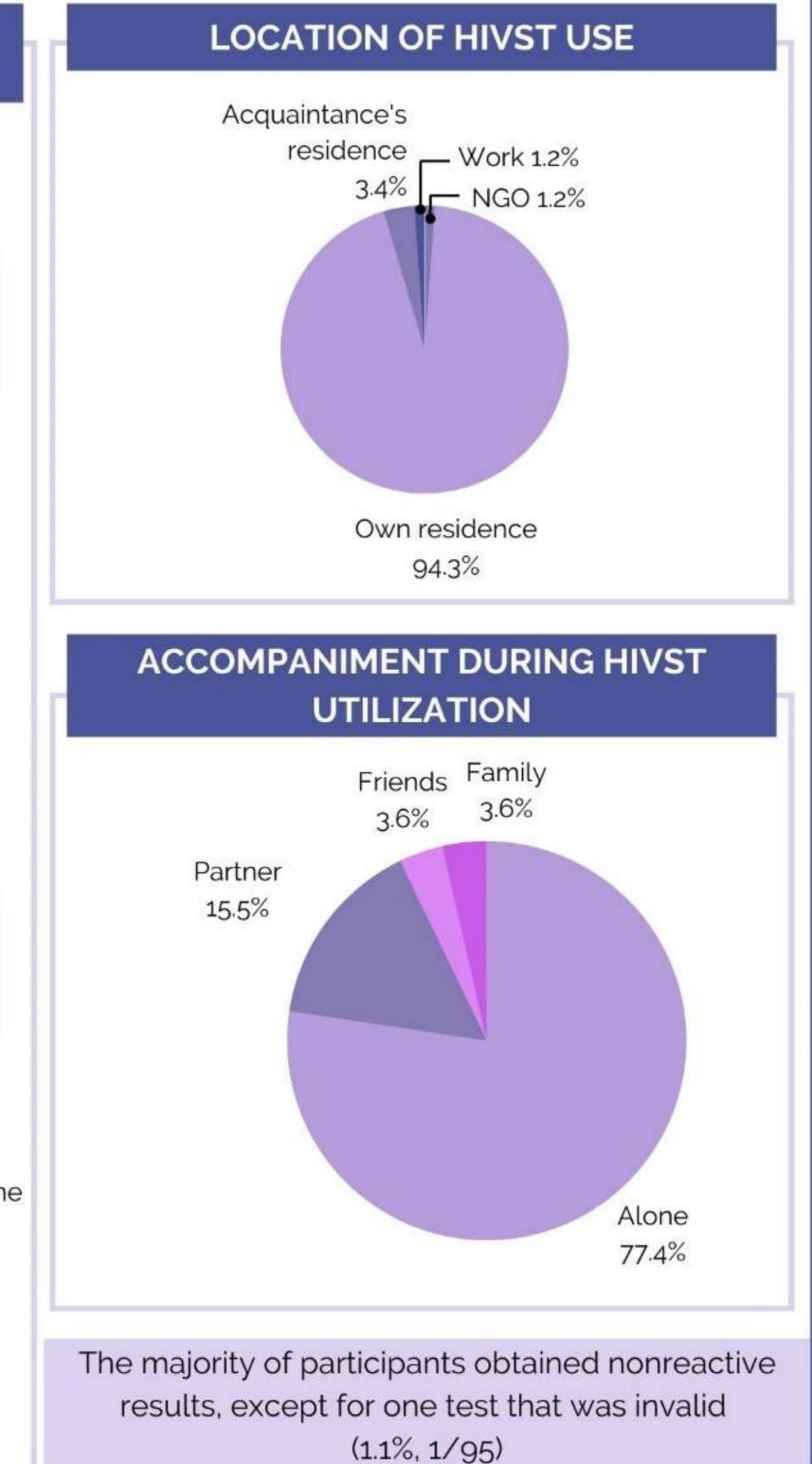
95 % reported having performed the second kit

#### **CHARACTERISTICS OF THE** PARTICIPATING MSM

- Median age: 32 years (Range: 19-58)
- 7% had never been tested for HIV







# Conclusion

This study reveals a high acceptability and willingness to use HIVST among MSM, along with a high percentage of reported completion of the provided self-test. However, common errors were identified in the procedure among a significant proportion of participants. This highlights the importance of adapting the original instructions and designing potential support services when establishing implementation strategies, aiming to ensure proper utilization by future users. Therefore, this study reinforces the importance of developing tailored and diverse services to avoid discouraging the use of self-testing.







