

# Development of STI/HIV home-care program 'PacMan': needs assessment among healthcare professionals and men who have sex with men (MSM)

Jeanine Leenen, Nicole Dukers-Muijers, Christian Hoebe, Aniek Stanneveld, Mieke Steenbakkers, Roland van Hooren, Inge van Loo, Petra Wolffs, Robin Ackens, Dirk Posthouwer, Paul Savelkoul, Selwyn Lowe, Jochen Cals, Arjan Bos, Astrid Oudelashof, Fraukje Mevissen, Gerjo Kok, Kai Jonas, Hanna Bos, Koenraad Vermey, Wim Zuilhof, John de Wit.

## Background

- Men who have sex with men (MSM) are highly vulnerable for STI/HIV, yet **many infected MSM remain undiagnosed and untreated** with high impact on transmission and morbidity.
- Developing of a novel regional home-care program: 'PacMan', using **home self-sampling** for *Chlamydia trachomatis*, *Neisseria gonorrhoea*, hepatitis B, syphilis and HIV.
- Needs assessment** in MSM and care professionals is essential.

## Methods

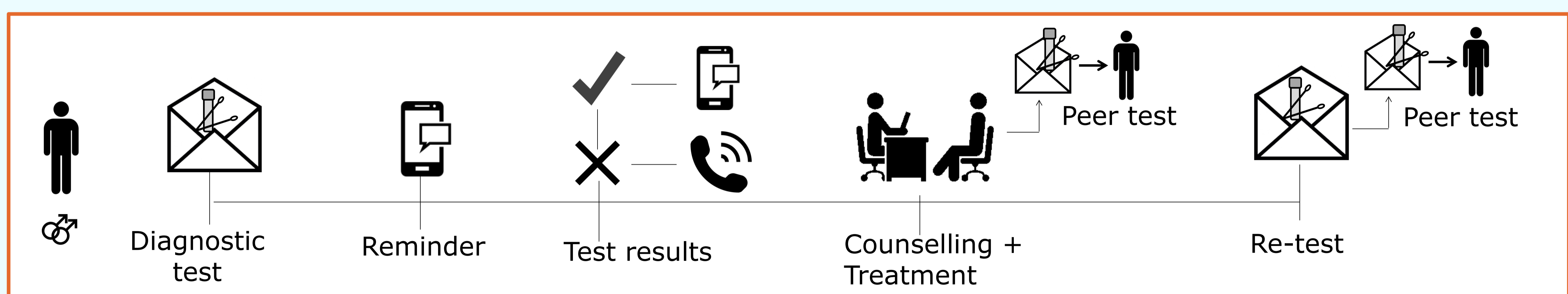
- Development of the intervention will be done according to the **intervention mapping strategy**
- The first step is a needs assessment, where interviews were conducted among MSM (N=18) and healthcare professionals (N=19) from public health service south Limburg and HIV treatment clinic Maastricht (Netherlands).

## Results

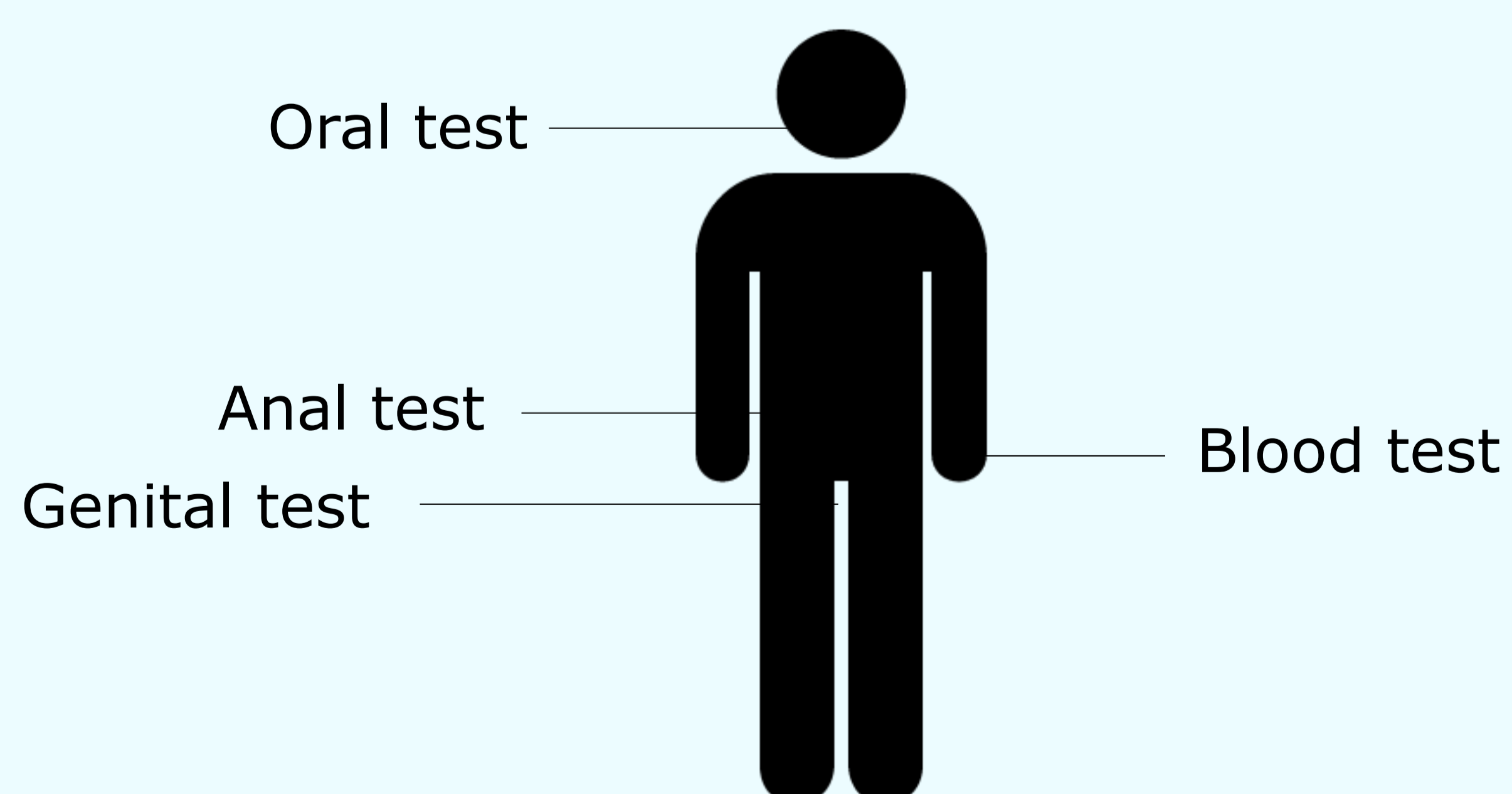
- Positive attitude** towards home self-sampling.
- Concerns about lack of face-to-face counselling.
- Proposed difficulties in taking the needed blood sample (finger prick).

Table 1. attitude of MSM regarding PacMan self-sampling tests

Positive aspects	Negative aspects
Easy	Blood test difficult
Saving time	Lack of health advise
Professional and reliable	Concerns about ability to correctly perform the sampling test
Free and anonymously	Concerns about anonymity of receiving and returning the test



## Testkit PacMan



## Conclusion

- Results will be taken into account during the development and implementation process.
- PacMan combines three evidence based methods:
  - ✓ **High quality test**, using self-sampling at home.
  - ✓ **Complete testing for all STI (including HIV)** at different anatomic sites.
  - ✓ **Complete care**; offering counselling, treatment, retesting opportunities, and partner notification combined with eHealth.



Jeanine Leenen  
jeanine.leenen@ggzl.nl

**Maastricht University**  
Care and Public Health Research Institute (CAPHRI)  
Maastricht, Netherlands

**GGD Zuid Limburg**  
Department of Sexual Health, Infectious Diseases and Environmental Health  
Heerlen, Netherlands