Estimating HIV Testing Coverage in Paris to shape an Adequate Testing Policy

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Vers Paris sans sida
Paris HIV Care Continuum in 2015

- # PLHIV: Paris 2015 baseline
- # diagnosed: 86%
- # on ART: 95%
- # VL < 50 copies/mL: 91%
Structure of the undiagnosed epidemic

|                        | Overall | Total MSM | MSM born abroad | Women born in SSA | Men born un SSA |
|------------------------|---------|-----------|-----------------|-------------------|----------------|-----------------|
| **New diag**           | 955     | 475       | 186             | 359               |                |
| **Estimated incidence**| 959 (759-1226) | 530 (413-673) | 182 (116-255) | 212 (135-305) | 122 (50-248) |
| **Undiagnosed people** | 3601 (3021-4083) | 1663 (1462-1960) | 618 (493-763) | 728 (592-872) | 710 (551-927) |
| **Rate / 10000**       | 24 (20-27) | 271 (144-467) | 366 (186-611) | 181 (147-218) | 196 (147-276) |
| **Median delays to diag (years)** | 2,9 (0,9-5,1) | 2,1 (0,4-4,3) | 2,5 (0,8-4,7) | 2,7 (1,2-4,7) | 3,8 (1,8-6,0) |

Testing frequencies & practices

People born in SSA countries (AfroBarometer, 2016):
  – 66% had an HIV test in the past 12 months
    • 52% of those had multiple partners
  – 15% had an HIV test > 12 months ago
  – In the study, 4 out of 8 newly diagnosed for HIV had had a test in the past 12 months
    ➢ Supports national guidelines of yearly HIV testing

MSM with multiple partners (ERAS Study, 2017):
  – 58% had an HIV test in the past 12 months
  – 29% had an HIV test > 12 months ago
  – 13% had never been tested for HIV
  – Median number of tests when tested in the last year: 2 (IQ : [1-3])
  – When HIV-, median number of male partners in the last 6 months: 10 [4-20]
    ➢ Supports national guidelines of quarterly HIV testing
The never-ending debate

Demand?
• Misperception of one’s exposure to HIV
• Fear of the blood test, the results, of stigma
• Ignorance, lack of information…
• Laziness, irresponsibility…

Supply?
• Missed opportunities
• Insufficient funding for community-based & outreach testing
• Too many “useless” tests among the general population
12 STI clinics

Zones of Community-based Outreach Testing

1000 drugstores

160 medical labs

2000 GPs

Overall: +/- 500,000 HIV tests in 2016
How many additional tests do we need?

To reach the undiagnosed HIV+
1663 MSM / 1%  
= 166,300 additional tests  
1438 migrant men and women from SSA countries / 0.8%  
= 179,750 additional tests

Goal: 350,000 targeted additional tests

To follow the guidelines
80,000 HIV-negative MSM  
x 4 tests / year  
= 320,000 tests / year  
65,000 HIV-negative people from the African diaspora  
x 1 yearly test opportunity  
= 65,000 tests / year

Goal: 385,000 tests / year
Can we double HIV testing coverage?

Number of HIV Tests in CBOs and STI Clinics

- Outreach rapid tests
- STI Clinics
- Free self-tests delivery

Comparison by year:
- 2016
- 2017
- 2018
Increase in HIV test prescription

Total number of HIV Tests

- Community-based & STI clinics
- Prescribed tests

2016
2017
2018

+ 13%
Figure 1 : Nombre de sérologies VIH réalisées et taux de positivité, Paris, 2010-2018.
Source : LaboVIH, données 2018 corrigées.
Figure 3 : Nombre de découvertes de séropositivité VIH, par pays de naissance et principaux modes de contamination, Paris, 2010-2018.
Source : Déclaration obligatoire du VIH, données au 31/03/2019 corrigées.
Table 1 | Characteristics of non-HIV-positive respondents whose MRAI was with a causal partner, ERAS 2017&2019. Paris, France (N=1,883)

<table>
<thead>
<tr>
<th></th>
<th>ERAS 2017 N = 854</th>
<th>ERAS 2019 N = 1,029</th>
<th>p</th>
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</thead>
<tbody>
<tr>
<td>Born in a foreign country</td>
<td>13%</td>
<td>12%</td>
<td></td>
</tr>
<tr>
<td>Master’s degree or higher</td>
<td>58%</td>
<td>63%</td>
<td>**</td>
</tr>
<tr>
<td>Comfortable financial situation</td>
<td>63%</td>
<td>71%</td>
<td>***</td>
</tr>
<tr>
<td>Steady relationship with a man within previous 6 months</td>
<td>44%</td>
<td>39%</td>
<td>*</td>
</tr>
<tr>
<td>Median number of male partners in the last 6 months [IQR]</td>
<td>10 [4-20]</td>
<td>6 [3-15]</td>
<td></td>
</tr>
<tr>
<td>HIV test within previous 12 months</td>
<td>70%</td>
<td>77%</td>
<td>***</td>
</tr>
</tbody>
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* p<0.05  ** p<0.01  *** p<0.001

Table 2 | Multivariate logistic regressions comparing the methods used at MRAI between the two samples of ERAS 2017&2019. Paris, France (N=1,883)

<table>
<thead>
<tr>
<th></th>
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<th>ERAS 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>%</td>
<td>aOR*</td>
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<tr>
<td>Exclusive condom use</td>
<td>68.5</td>
<td>1</td>
</tr>
<tr>
<td>TasP</td>
<td>1.6</td>
<td>1</td>
</tr>
<tr>
<td>PrEP</td>
<td>11.2</td>
<td>1</td>
</tr>
<tr>
<td>Post-exposure prophylaxis</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>None</td>
<td>18.2</td>
<td>1</td>
</tr>
</tbody>
</table>

* the variables of adjustment were the sociodemographic variables for which we observed a significant difference between the two sample: age, financial situation, educational level, steady relationship with a man within previous 6 months.

L. Duchesne, N. Lydié, A. Velter, SpF, ERAS 2019 E-Poster FTC2019
A plan to scale-up HIV Testing opportunities in Paris

- Free tests in medical labs without prescription
- Practical solutions for GPs to offer sexual health check-ups in the context of PrEP
- A label for pharmacists engaged in promoting tests
- Express STI Clinic (Spring 2020)
- Targeted rapid test offer in ERs based on a self-administered questionnaire
A free walk-in testing solution in medical labs

In Paris (158 labs) and the Alpes-Maritimes (Nice region, 107 labs)

12 months from July 2019 until June 2020

Goals: +50,000 tests in Paris, +15,000 in AM

Specific navigation system
Paris HIV Testing Scale-Up Policy:

- Must be designed to tackle persistent long delays to diagnosis & high level of undiagnosed HIV prevalence among key affected pop°
- Would not be sufficient if only based on the dedicated system of STI Clinics and community-based outreach testing
- Has benefited from PrEP roll-out among MSM
- Promotes HIV test as a recurrent trivial exam, with daily opportunities adapted to urban life
Acknowledgements

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Vers Paris sans sida team

Objectif sida zéro team