Comparison of risk profile of gay men who acquired HIV while travelling with those who acquired HIV in Australia

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What we analysed

Total participants (TP) 446

HRE Overseas
79 (17.7% of TP)
33 (41.8%) born overseas,
59 (74.7%) diagnosed in Australia

HRE in Australia in area where live
308 (69% of TP)
82 (26.6%) born overseas
308 (100%) diagnosed in Australia

HRE in Australia but away from where live
59 (13% of TP)
11 (18.6%) born overseas
57 (96.6%) diagnosed in Australia
Summary

- The profiles of sexual behaviour, beliefs and familiarity with sexual partner appeared consistent whether the transmission was overseas or in Australia.
- However HIV status disclosure at the HRE differed significantly across locations.
- Men travelling may be in communities with very different disclosure norms, HIV prevalence, and limited or unfamiliar access to sexual health services.
- HIV prevention and testing strategies targeting gay travellers may need greater attention, and prevention tools such as PrEP may help address some men’s vulnerabilities to HIV infection when travelling.
Epilogue...

• Poster summary and paper available.

• New study of newly diagnosed is commencing in 2018 funded by the NHMRC and contributions from all state/territory governments and community organisations.

• Led by Kirby (Garrett Prestage) and ARCSHS (Graham Brown).

...Project soon to be named....

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Questions...
What we analysed

Total participants (TP) 446

HRE Overseas 79 (17.7% of TP)
33 (41.8%) born overseas,
59 (74.7%) diagnosed in Australia

HRE in Australia
in area where live
308 (69.1% of TP)
82 (26.6%) born overseas
308 (100%) diagnosed in Australia

HRE in Australia
but away from where live
59 (13.2% of TP)
11 (18.6%) born overseas
57 (96.6%) diagnosed in Australia

5 (6.3% of OS HRE) not born in Australia or
the HRE country
1 (20%) diagnosed in Australia
1 on holidays, 4 living in HRE country

46 (58.2% of OS HRE) born in
Australia
37 (80.4%) diagnosed in Australia
22 on holidays, 18 living in HRE country

28 (35.4% of OS HRE) born in country of
HRE
18 (64.3%) diagnosed in Australia
11 on holidays, 13 living in HRE country
<table>
<thead>
<tr>
<th>Anal intercourse at HRE</th>
<th>Total Sample n (%)</th>
<th>HRE in Australia where they live n (%)</th>
<th>HRE elsewhere in Australia n (%)</th>
<th>HRE occurred overseas n (%)</th>
<th>P Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No anal intercourse</td>
<td>62 (14.0)</td>
<td>39 (12.7)</td>
<td>6 (10.2)</td>
<td>17 (21.5)</td>
<td>0.606</td>
</tr>
<tr>
<td>Condom use only (no slippage or breakage)</td>
<td>35 (7.8)</td>
<td>25 (8.1)</td>
<td>5 (8.5)</td>
<td>5 (6.3)</td>
<td></td>
</tr>
<tr>
<td>Insertive only (condom slipped or broke)</td>
<td>8 (1.8)</td>
<td>4 (1.3)</td>
<td>1 (1.7)</td>
<td>3 (3.8)</td>
<td></td>
</tr>
<tr>
<td>Any receptive (condom slipped or broke)</td>
<td>12 (2.7)</td>
<td>7 (2.3)</td>
<td>2 (3.4)</td>
<td>3 (3.8)</td>
<td></td>
</tr>
<tr>
<td>Insertive UAI only</td>
<td>49 (10.1)</td>
<td>35 (11.4)</td>
<td>8 (13.6)</td>
<td>6 (7.6)</td>
<td></td>
</tr>
<tr>
<td>Any receptive UAI</td>
<td>280 (62.8)</td>
<td>198 (64.29)</td>
<td>37 (62.7)</td>
<td>45 (57.0)</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>446 (100.0)</td>
<td>308 (100.0)</td>
<td>59 (100.0)</td>
<td>79 (100.0)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of partners at HRE</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One partner only</td>
<td>266 (59.6)</td>
<td>181 (58.8)</td>
<td>38 (64.4)</td>
<td>47 (59.5)</td>
<td>0.739</td>
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<tr>
<td>Multiple partners</td>
<td>145 (32.5)</td>
<td>104 (33.8)</td>
<td>18 (30.5)</td>
<td>23 (29.1)</td>
<td></td>
</tr>
<tr>
<td>Not provided</td>
<td>35 (7.8)</td>
<td>23 (7.5)</td>
<td>3 (5.1)</td>
<td>9 (11.4)</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>446 (100.0)</td>
<td>308 (100.0)</td>
<td>59 (100.0)</td>
<td>79 (100.0)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disclosure of HIV status</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Disclosure of HIV status to HRE partner prior to HRE</td>
<td>114 (29.3)</td>
<td>87 (32.6)</td>
<td>16 (29.6)</td>
<td>11 (16.2)</td>
<td>0.030</td>
</tr>
<tr>
<td>No disclosure of HIV status to HRE partner prior to HRE</td>
<td>275 (70.7)</td>
<td>180 (67.4)</td>
<td>38 (70.4)</td>
<td>57 (83.8)</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>389 (100.0)</td>
<td>267 (100.0)</td>
<td>54 (100.0)</td>
<td>68 (100.0)</td>
<td></td>
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</table>