HPV4 vaccination acceptability, uptake and completion in men who have sex with men (MSM) in an HIV positive cohort

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Recommendations for HIV-positive adults BHIVA 2015

- ... unvaccinated HIV-positive men and women aged up to 26 years be offered HPV vaccination, regardless of CD4 count, ART use, and viral load [1B]
- ... unvaccinated HIV-positive MSM aged up to 40 years be offered HPV vaccination, regardless of CD4 count, ART use, and viral load [1B]
- ... unvaccinated HIV-positive women aged up to 40 years be offered HPV vaccination, regardless of CD4 count, ART use, and viral load [2D]
- ... 3 doses of the quadrivalent 4vHPV vaccine be administered at 0, 1-2, and 6 months [1B].
- We recommend that 9vHPV be used in both men and women once it becomes available in place of 4vHPV [1C]
<table>
<thead>
<tr>
<th>ELIGIBLE</th>
<th>YEAR 1 ALL n = 256</th>
<th>YEAR 2 ALL n = 227</th>
<th>HIV+ n = 150</th>
</tr>
</thead>
<tbody>
<tr>
<td>DID NOT START</td>
<td>n = 55 (21%)</td>
<td>n = 7 (3%)</td>
<td></td>
</tr>
<tr>
<td>NOT OFFERED</td>
<td>n = 33 (13%)</td>
<td>n = 4 (2%)</td>
<td></td>
</tr>
<tr>
<td>DECLINED</td>
<td>n = 18 (4%)</td>
<td>n = 3 (1%)</td>
<td>n = 0</td>
</tr>
<tr>
<td>STARTED 1st offer</td>
<td>n = 201 (79%)</td>
<td>n = 218 (93%)</td>
<td></td>
</tr>
<tr>
<td>STARTED Ever</td>
<td>n = 207 (81%)</td>
<td>n = 220 (96%)</td>
<td>n = 150 (100%)</td>
</tr>
</tbody>
</table>
## Results 2 years: HPV4 completion <1yr

<table>
<thead>
<tr>
<th></th>
<th>HIV –ve MSM (Yr 1&amp;2)</th>
<th>HIV +ve MSM All</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number started</strong></td>
<td>404</td>
<td>150</td>
</tr>
<tr>
<td><strong>No. received Dose 2</strong></td>
<td>317 (78%)</td>
<td>116/129 (89%)</td>
</tr>
<tr>
<td><strong>No. received Dose 3</strong></td>
<td>249 (62%)</td>
<td>80/92 (86%)</td>
</tr>
</tbody>
</table>
- HPV4: Questionnaire, On-line survey

- 100 via email

- 84/100 completed it
• How did you hear about the HPV4 vaccine?

• **94%** A doctor or nurse in the clinic

• **1%** Press/internet

• **5%** Friend/partner/GP
• If you had the vaccine are you happy with your decision?

• Yes 95%
• No 1%
• Other 4%

• Why didn’t this happen sooner?
• Did you receive enough information on HPV4?

• Yes 83%
• No 7%
• Other 10%

• “its the most common disease that you can catch during sex”
Did/Do you have any concerns re HPV4?

- No  86%
- Yes  3%
- Other  11%

- “Whether it was safe as it was new for me”
- “My parents were worried that it would encourage promiscuity”
• If you haven’t completed, why not?
  
• 50%  It’s too soon
• 17%  Too busy
• 8%   Opening Times
• 2%   Too Old
• 6%   Too Young
• 4%   Didn’t like the vaccine
• 2%   Don’t like you
• 29%  Other    “I am coming back”
In deciding to have the vaccine, what was important to you?

- I didn’t want to disagree with the Nurse/Doctor
- Preventing ANAL CANCER for the Population
- Preventing ANAL CANCER for my Partner(s)
- Preventing ANAL CANCER for ME
- Preventing GENITAL WARTS for the Population
- Preventing GENITAL WARTS for my Partner(s)
- Preventing GENITAL WARTS for ME
• Would you recommend HPV4 to others?

• Yes  88%
• No   1%

• “I have done so already”
• “Why is this taking so long?”
• Have you been diagnosed with GW in the past? And since?

• Yes 29% (EPR 19%)  3%
• No   61%           95%
• Don’t know 7%       1%
• Have you been diagnosed with AIN/AC in the past? And since?

• YES 6% 1%
• NO 90% 98%
• Don’t know 3% 0%
• Since 1st Dose have you been diagnosed with any STI

• No 64%
• Don’t want to say 6%
• Syphilis 4%
• Chlamydia 13%
• Gonorrhoea 10%
• HIV 11%
• How would you publicise HPV vaccine?
• Sexual Health & HIV services 84%
• Primary Care 68%
• Facebook friend 67%
• Twitterati 47%
• Schools campaign 44%
• LGBT Press/websites 37%/25%
• Word of mouth 33%
• An HPV4 vaccination programme in young HIV+ve MSM is feasible and acceptable
• Services should anticipate high uptake & completion
• A priori knowledge of HPV issues is limited
• Healthcare providers are an important influence in decision making
HPV4 in young MSM

Thanks to the young MSM of Brent & Harrow
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Central Middlesex Hospital
&
Department of GUM & HIV
Northwick Park Hospital