Human Papillomavirus Vaccination Programme in Malaysia

Submitted by: Malaysia
**HPV Vaccination Programme in Malaysia**

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**Introducing New Vaccine Into National Immunisation Program**

- Propose introduction of new vaccine into NIP
- National Committee On Immunisation Policy and Practices
  - Health Education and Promotion Committee
    - Awareness campaign
    - Risk communication
  - Implementation of National Immunisation Programme
    - Implementation
    - Monitoring coverage
  - Vaccine Use and Cost Committee
    - Introduction, Procurement
    - Vaccine use and wastage
  - Pharmacovigilance on Vaccines Safety Committee
    - Vaccine safety
    - AEFI
  - Program Manager
  - Ministry of Finance
  - National implementation
  - Gov. Cabinet Meeting
  - WHA Resolution / New technology / Health Technology Assessment / Proposal from Professional Bodies
  - Policy decision body of the MOH
    - Technical committees
  - Administrative approval
    - for vaccine use:
    - Resource implication
  - Financing new vaccination initiative
    - (New Policy Budget)
Why HPV vaccination?: Gaining political support

<table>
<thead>
<tr>
<th>Cervix, Uteri stage at diagnosis among Malaysian citizen 2008</th>
<th>Ca Cervix</th>
<th>HPV Vaccination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budget/Target</td>
<td>1,627 cases (2003)</td>
<td>266,000 girls (2009)</td>
</tr>
<tr>
<td>Cost</td>
<td>RM 381.8 millions</td>
<td>RM 322.2 millions</td>
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<tr>
<td></td>
<td>RM 2.8 millions for pre invasive</td>
<td>Vaccine RM 319.2 million</td>
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<tr>
<td></td>
<td>• RM 285 millions for treating new cases (invasive)</td>
<td>• Additional Cost RM 3 million (Health Education, Training and logistic)</td>
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<td></td>
<td>• RM 94 millions for treating old cases</td>
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<td>Cost/person</td>
<td>RM 234,665.02</td>
<td>RM 1,211.28</td>
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<tr>
<td>Incidence</td>
<td>19.7 /100,000 women- unchanged</td>
<td>8/1,000,000 (estimate vaccine efficacy at 98%)</td>
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</table>

Source: Aljunid, 2007. HUKM

Communication Strategies: Gaining Public Support

Theme: HPV Vaccine as Cervical Cancer Vaccine

Media Campaign Based on Health Belief Model
1. Cervical cancer is preventable
2. Parental awareness on voluntary vaccination
3. Persuade girls to complete 2 doses of vaccination as scheduled

Public Access to Interactive Information
1. Social Media
   - HPV Facebook
   - HPV twitter
2. Phone Hot line
3. Email
4. Print and electronic advertisement

Rumours Surveillance and Program Monitoring
1. Response to media and public queries
2. Provide guideline to implementers
3. Monitor potential program threat and proposed counter measures

Addressing the religious and cultural aspect of the HPV vaccination
Leading to establishment of Fatwa or religious ruling on HPV vaccination for the Muslim.
COMPETITIVE PROCUREMENT PROCESS: Financial sustainability

2 yearly vaccine procurement contract
Door to door vaccine delivery
Penalty system for failure to comply with contract
Cold chain monitoring
Staggered vaccine delivery according requirement

2012 – 2013: B
Price: USD13.98/dose

2014 – 2015: B
Price: USD 12.84/dose

2010 – 2011: A
Price: USD16.53/dose

1.5 million doses/ 2 year cycle

Side Benefits of vaccine procurement

- 856 vaccine refrigerators supplied to 651 health facilities
- RM1 million/ 2 years for promoting vaccination
- Supplies of disposable injection consumables
- 2014 – 2015: Maintenance of the vaccine refrigerators
- 2010-2015 – assist in funding training
- 2010-2011: funding hotline service

Penalty system for failure to comply with contract
Cold chain monitoring
Staggered vaccine delivery according requirement

Program target: completion at 95%

Malaysian HPV Vaccination Coverage 2010 to 2015

AEFI REPORTED TO PHARMACEUTICAL BUREAU
2010 to 2015

YEAR 2010 2011 2012 2013 2014 2015
Total Dose of Vaccine Delivered 689,460 679,924 692,530 728,604 677,120 440,708
No of AEFI Report received 414 2992 947 947 745 793
0.06 % 0.44 % 0.26 % 0.13 % 0.11 % 0.18 %
Factors Contributing to Success

1. Political Will and commitment
2. Public trust in Malaysian Expanded Program in Immunisation
3. School Health Services Infrastructure
4. Existing strong relationship with Ministry of Education
5. Effective Risk Communication Strategy
6. Addressing Religious Issues
7. Competitive Procurement Mechanism

Thank you