HPV vaccine in the Danish childhood vaccination programme

Bolette Søborg, M.D., PhD,
Senior Medical Consultant
Evidence, Education and Emergency services
Danish Health Authority
HPV vaccination in the Danish Childhood vaccination programme

2007: a national medical technology assessment recommends implementation of HPV vaccine for girls

2008: pre-introduction of the HPV vaccine, Gardasil in the Danish childhood vaccination programme for birth cohorts 1993-1995

2009: full national implementation of the programme for age groups 12 to 15 years of age

2014: two-dose HPV-vaccination program introduced for girls 12-13 years of age

1. February 2016: through the national procurement procedure, Danmark changes vaccine from Gardasil til Cervarix
Current uptake for the first dose of the HPV vaccine
Coverage of the first dose of the HPV vaccine in the Nordic countries
Public debate is dominated by the safety concerns

- Key role of social media
- Several groups at Facebook for the HPV vaccine victims
- Major role of the Chairman of the Danish Health Committee
- Strong patient organisations
- Focus area of other media
- A concern for public health
Færre piger bliver vaccineret

Alle piger bliver tilbudt vaccination mod HPV, når de fylder 12 år. Man skal have to stik for at være bedst muligt beskyttet.

Tallene angiver procentdelen af piger født i 2001 og 2002, der er fuldt vaccineret mod HPV.

<table>
<thead>
<tr>
<th>Piger født i</th>
<th>2001</th>
<th>2002</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>74%</td>
<td>57%</td>
</tr>
</tbody>
</table>

Omkring 590.000 danskere er blevet helt eller delvist vaccineret mod HPV.

Tallene er opgjort efter hhv. 2014 og 2015.

Kilde: Kæftens Bekæmpelse, Statens Serum Institut og Sundhedsstyrelsen
Tekst: Jakob Skaaning
Grafik: Mie Hvidtjær
Reporting of adverse events: Stimulated by the programme “The Vaccinated Girls” broadcasted 26 March 2015, by TV2

Features interviews with families and vaccinated girls with medically unexplained symptoms.
The Vaccinated Girls: Voices from Denmark's HPV Inoculation Scandal

Hardcover – July 15, 2016
by Michael Bech Nielsen (Author), Signe Walgren Daugbjerg (Author)

Gardasil is a vaccine that protects women against human papillomavirus, or HPV, a common sexually transmitted disease that can give rise to cervical cancer. It's also the subject of hot debate both in the United States and abroad. After being approached by a young woman who linked a crippling illness to her recent vaccination, Danish journalists Michael Bech Nielsen and Signe Walgren Daugbjerg decided to dig deeper—and they were astounded by what they found.

Their 2015 documentary "The Vaccinated Girls" gave voice to roughly thirty women who suffered side effects coinciding with their inoculation. Doctors who had treated the women also came forward, explaining that the link between their vaccination and symptoms like dizziness, chest pain, and fainting was too strong to ignore—and reaching some frightening conclusions. The documentary also exposed government officers' caginess...
• From 2013: Danish Medicines Agency receives an increasing number of reports of suspected adverse reactions
Reported side effects to HPV vaccine reported

Reported from both health care professionals and citizens
 Reported side effects per 100,000 vaccines
Medically unexplained physical symptoms

- Symptoms from the nervous systems
- Fatigue
- Pain
- Musculoskeletal symptoms
- Some received the diagnosis POTS – postural orthostatic tachycardia syndrome
- Chronic fatigue syndrome
- Complex regional pain syndrome
To the attention of EMA September 2013

EU commission requested an assessment by PRAC (Pharmacovigilance Risk Assessment Committee), July 2015

PRAC concluded, that there was no evidence that the HPV vaccines is a cause of POTS or CRPS

December 2015 the WHO Global Advisory Committee on Vaccine Safety reiterated “no safety issue that would alter its recommendation of the use of HPV vaccines”
Way forward

- 2016: Analyses of the current situation
- 2017: Implementation of an intervention to combat the low HPV coverage
Thank you for your attention