

Amphia

Attitude and Acceptability of Human Papilloma Virus Vaccination in women surgically treated for High-Grade Squamous Intraepithelial Lesions (HSIL)

Mirthe van Erp, Tirza Wouters, Dennis van Hamont
Jurgen Piek, Ruud Bekkers
Gynaecologische oncologie – Amphia & Catharina ziekenhuis

Background

 High Risk Human Papilloma Virus (hr-HPV) is the carcinogenetic driver in cervical cancer.

 Vaccination against hr-HPV has shown to be effective in reducing the risk of cervical cancer.

 Recent data shows positive tertiary prevention properties of hr-HPV vaccination

 It is important to evaluate the willingness in the target group before tertiary prevention implementation

Aim/hypothesis

To explore the willingness to receive HPV vaccination in women who were treated with cervical surgery for HSIL in relation to costs involved.

Methods

Prospective multicenter questionnaire study

Inclusion criteria	Exclusion criteria
HSIL Cervical surgery	Age <18 years Previous HPV vaccination Cervical cancer Allergy for vaccination Poor understanding Dutch language

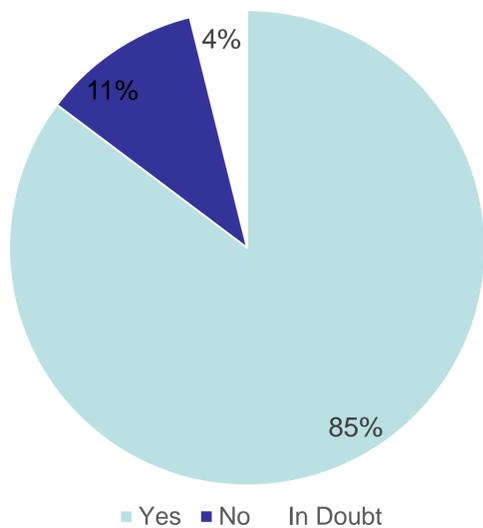
Questionnaires

- Attitude and acceptability of HPV vaccination
- Participants' common knowledge about HPV infection
- Patient satisfaction after colposcopic examination

Results

129 patients answered our questionnaire. Mean age of the participants was 39,9 years, 53.9% was highly educated (higher level education).

Do you wish to receive a vaccination against HPV?

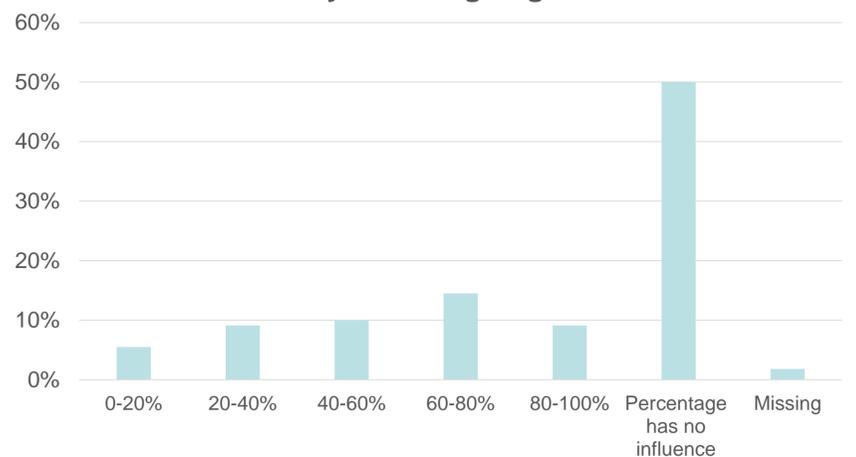


No correlation between age and acceptability of HPV vaccination ($\tau = 0,074$, $p = 0,320$, $N = 128$).

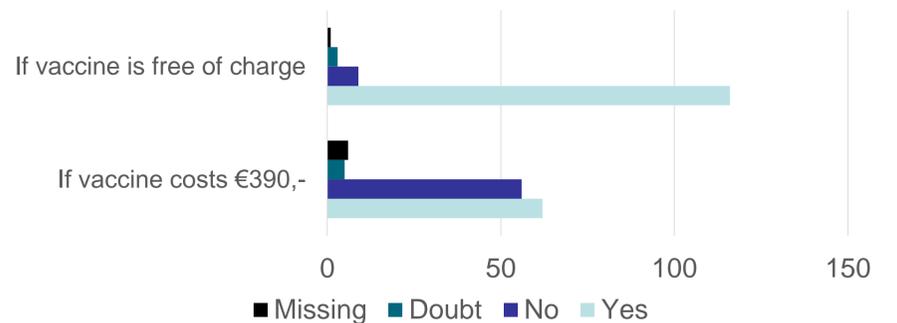
Moderate negative correlation between ranked education and acceptability of HPV vaccination ($\tau = -0,271$, $p = 0,001$, $N = 128$).

Reasons for declining vaccine	n
Possible side effects	7
Medical/physical health	3
Lack of knowledge about the vaccine/possible consequences of getting vaccinated	3
Age	1
No need for vaccine	1
Doubts because of future pregnancy	1
Not specified	3

At what percentage risk reduction of disease recurrence are you willing to get vaccinated?



Do you wish to get vaccinated against HPV?



Conclusion

 Willingness to receive a tertiary vaccination against hr-HPV is high in the Netherlands

 Counseling on vaccine effects and side effects might increase vaccine acceptability

 For most women the percentage risk reduction the vaccine does not influence their choice for vaccination

 Reimbursement of the vaccin would improve willingness for vaccination

