



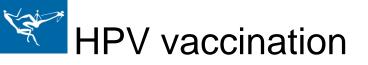
INTERNATIONAL CENTRE FOR REPRODUCTIVE HEALTH

Improving sexual and reproductive health through research, training and adapted interventions



Acceptance and uptake of the HPVvaccine in Eldoret, Kenya

Heleen Vermandere



2007: introduction of the HPV vaccines

2000: HPV vaccine acceptance studies

Would you vaccinate against cervical cancer?

Pubmed: HPV vaccin* accepta*

- >600 hits over the last 10 years
- 5 publications a month



Target group STI New (safety – protection) Cost Vaccine



Developed countries

Cross-sectional (hypothetical)

Parents or young women



Developed countries

Cross-sectional (hypothetical)

Parents or young women

Developing country

Longitudinal, measure uptake

Include providers - organization

HPV vaccination program in Eldoret, Kenya

Pilot HPV vaccination program:

- HPV vaccine acceptance study
- Longitudinal study, (+ uptake)
- Include nurses + program coordinator

HPV vaccination program in Eldoret, Kenya

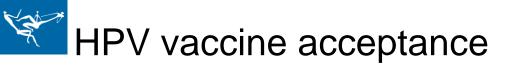
- Donation of 3000 vaccines
- 10 randomly selected schools
- Classes 4-8 (+/- 4000 girls)
- School-based promotion
- Hospital-based vaccination



HPV vaccination program in Eldoret, Kenya

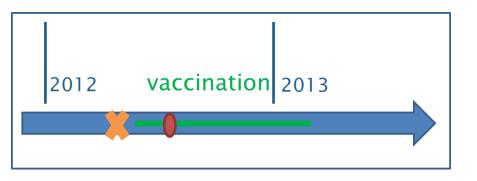
- Donation of 3000 vaccines
- 10 randomly selected schools
- Classes 4-8 (+/- 4000 girls)
- School-based promotion
- Hospital-based vaccination
- Expiry date
- ➔ Opened up to the community

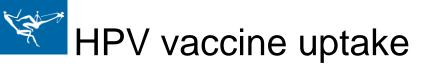




Baseline study:

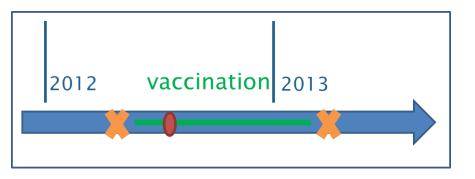
- Women with eligible daughter
 - Knowledge
 - Informative session
 - Attitudes
 - Acceptance: « Would you vaccinate your daughter? »





Follow-up study: quantitative

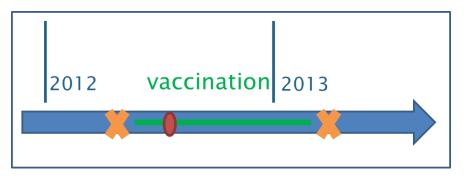
- Same women with eligible daughter
 - Status: « Did your daughter receive the vaccine? »
 - Reasons/difficulties
 - Information?



HPV vaccination program evaluation

Follow-up study: qualitative

- 3 FGD with fathers
- 4 FGD with teachers
- 1 FGD with vaccinators
- 1 IDI with program coordinator



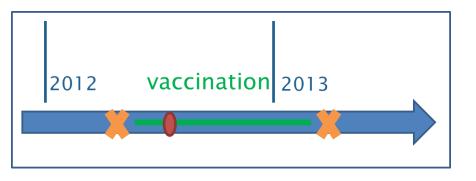
Result: HPV vaccination in Eldoret, Kenya

Baseline:

- 287 women
- 59.1% had heard of cervical cancer
- 88.1% accepted (4-5 Likert)

Follow-up:

- 256 women
- 31.1% uptake
- 51.2% had wanted
- 17.7% decided not to



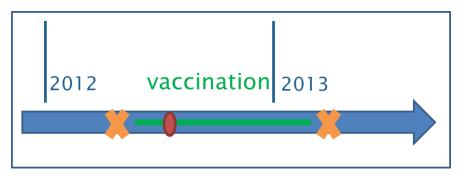
HPV vaccination in Eldoret, Kenya

Baseline:

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Follow-up:

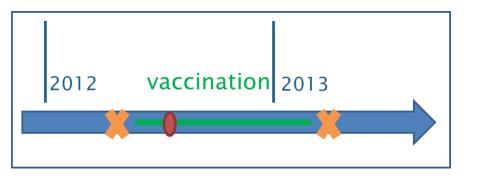
- 256 women
- 31.1% uptake
- 51.2% had wanted
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Follow-up: barriers

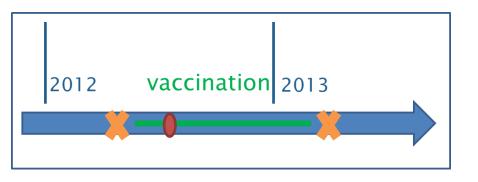
- Where and when? (30%)
- Side effects (27%)
- Lack of time (26%)
- Lack of vaccine info (15%)
- Partner opposed (13%)
- Transport cost (11%)





Vaccine uptake ~

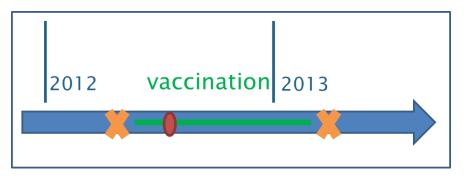
- Baseline awareness
- Being well-informed (follow-up)



HPV vaccination program evaluation

Follow-up: qualitative

- 3 FGD with fathers
- 4 FGD with teachers
- 1 FGD with vaccinators
- 1 IDI with program manager



Knowledge regarding cervical cancer

Teachers and fathers:

- Causes
 - Sexual activities
 - Modern lifestyle (urban vs rural)
- Not openly discussed lack of understanding (« ignorance causes cancer »)

Vaccinators (nurses):

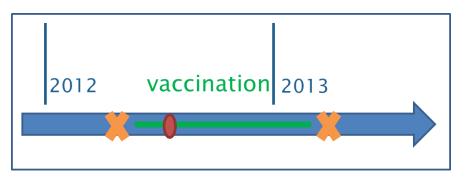
• Before the program: not aware of HPV



Knowledge regarding HPV vaccination program

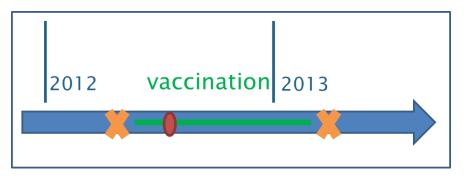
Teachers

- «We took it lightly.»
- «We were told 'you tell this children to take their forms to the parents, those who are interested can go to MTRH for this. It was just as simple as that. We didn't think much about it.»





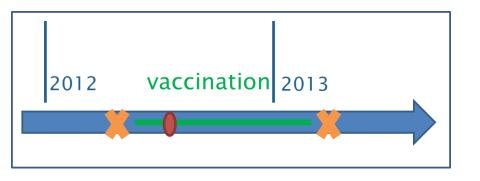
- Distrust: vaccines, HPV vaccine, health system
- Not important ("disease of the rich")
- Transport cost





«Now that we are informed... »

- Create awareness (in school, church, market place)
- Teachers: support promotion
 - Curriculum, girls only
- Involvement of men
- Support from the government





Nurses

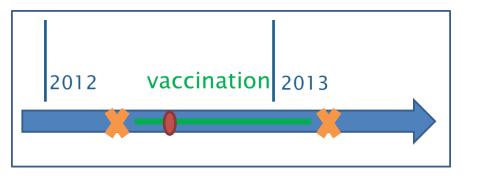
 «Yeah, in the beginning of the program, people were not willing actually, but towards the end, you see most of them are now coming asking for the vaccine.»

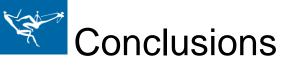




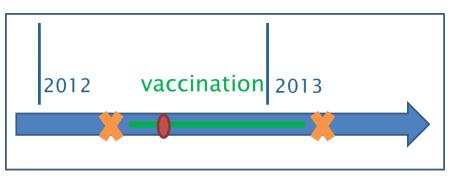
Program coordinator

- Role of the head teacher
- Never the whole teacher corps
 - Communication (stigma)
- Public vs private schools
 - Parents' awareness
 - Transport
 - Teachers' motivation





- High interest in the HPV vaccine
- Importance promotion
 - Awareness
 - Side effects
 - Include men
- Diffusion theory
- At schools: teachers = health worker?
- Inequality?





ICRH

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Thank you

Vermandere Heleen

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HPV vaccination in Eldoret, Kenya

The vaccines were donated to Moi Teaching and Referral Hospital by Axios Healthcare Development (AHD) as part of the Gardasil Access Program, which was made possible by a pledge from Merck & Co., Inc.

Funds for the vaccination pilot program were provided by the Moi University (Kenya)—VLIR UOS (Belgium) collaborative program.