HPV VACCINE IN GRADE 6: What is going well & what can we do better?

Early findings from a qualitative study in BC schools

Hana Mijović, Michèle Goulet, Jordan Lively, Ève Dubé, Julie Bettinger
Vaccine Evaluation Center - BC Children’s Hospital Research Institute
Quebec National Institute of Public Health
OBJECTIVES

• Describe early findings from a qualitative study currently taking place in elementary schools in Interior, Northern, and Vancouver Coastal Health

• Contribute to the discussion on how HPV vaccine uptake can be improved through school vaccine programs
PART OF A MULTI-SITE STUDY

• **OBJECTIVE**: to identify barriers & enabling conditions of HPV vaccine acceptance and uptake

• **METHODS**:
  - Phase 1: interviews/survey with immunization managers/leads
  - Phase 2: interviews, focus groups at schools

SLIDE ADAPTED FROM: Ève Dubé (PI) Quebec National Institute of Public Health

% of students who completed HPV immunization series in 2014-2015

* ON 2012-2013 NS 2013-2014
BC SCHOOLS ENROLLED IN THE STUDY

• 8 schools (Interior, Northern, VCH)
  • 7 public, 1 private

• HPV vaccine uptake below/at/above BC average*
  * Girls 66.1% and Boys 63.5% completed (2019)
  * Additional 11% partially completed (2019)

• Small town/remote, suburban, urban

• Students from high, middle, and low-income families

• 2 schools with up to 25% First Nations children

• 2 schools with many children from families new to Canada

https://www2.gov.bc.ca/gov/content/health/about-bc-s-health-care-system/partners/health-authorities/regional-health-authorities
WHO HAS PARTICIPATED SO FAR?
PHONE INTERVIEWS

• 7 principals/vice-principals
• 3 teachers
• 14 parents
  • 13/14 moms
  • 13/14 consented to HPV
  • Many had questions/wished for more information about it
• 2 immunization nurses
WHO HAS PARTICIPATED SO FAR?
STUDENT FOCUS GROUPS

• 31 students (4 focus groups)
• Boys, girls, other
• Received or did not receive HPV in October
• Focus groups in other schools being scheduled
GRADE 6 SCHOOL VACCINATION DAYS:

- 2 doses HPV + catch up vaccines as needed
- School Board level - MHO letter, information package
- Information session for the School District/Principals
- Planning for school day vaccine day started in September with the school
GRADE 6 SCHOOL VACCINATION DAYS – cont’d:

- Consent forms and information sheet(s) distributed (nurses, teachers)
- Catch up checklist – indicates which vaccines the child needs
GRADE 6 SCHOOL VACCINATION DAYS – cont’d:

- Consent forms collected (nurses, teachers)
- Follow-up if not received (nurses)
- School vaccination day (x 2, fall and spring)
- Vaccination rates for the current year updated via Panorama
- Catch-up Grade 9

PHOTO CREDIT: Heather Hazzan, SELF Magazine.
<table>
<thead>
<tr>
<th><strong>PARENTS</strong></th>
<th><strong>SCHOOLS (PRINCIPAL/TEACHERS)</strong></th>
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<tbody>
<tr>
<td>• Many forms/emails from school</td>
<td>• Yet another ‘form to chase’</td>
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<td>• Too much information? BUT ...</td>
<td>• Generally not familiar with the content</td>
</tr>
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<td>• Look through many info sources</td>
<td>• Return rate lower: low-income households, parents separated, language barriers</td>
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<td>• Wish for more targeted re vaccine-day</td>
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<td>• Paperwork is for parents, not students</td>
<td>• A lot of follow-up required</td>
</tr>
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<td>• How many shots?</td>
<td>• Relationship with school</td>
</tr>
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<td>• Interested in the content (nothing there for students!)</td>
<td>• Explaining the purpose of vaccines/-Kids Boost Immunity game</td>
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<td>• Importance of resources in different languages</td>
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When students have that information, then suddenly there’s that push to the parents to not be apathetic ... it is amazing to see how it empowers these 11 year old children to actually go and have a voice at home and say, ‘No, I have to have this back at school.

(SCHOOL NURSE)
# SCHOOL VACCINE DAY

## PARENTS
- Makes getting vaccines easier
- Generally assume it went well

## SCHOOLS (PRINCIPAL/TEACHERS)
- Logistical undertaking, “crowd control”
- Managing students’ fears/anxiety
- Focus on students being comfortable
- Having a familiar nurse helps

## STUDENTS
- Afraid of pain/needles
- Feel their concerns being minimized by adults
- Don’t like surprises
- Would like to know what the vaccines were for

## NURSES
- Logistical undertaking, “crowd control”
- Managing students’ fears/anxiety
- Relationship with the school/ support from principals and teachers helps
*My mom and dad didn’t even tell me I was getting a shot ... so I was shocked when I came to school”

*My nurse said she would count to 10 but I got a shot when she was at 3

*We got to play volleyball afterwards but our arms were sore

*Having a therapy dog would help

*I have autism and I was really worried about getting shots, but it went well. And it’s not even true that vaccines cause autism.

*It would be nice to know what all those letters on the form actually stand for ...  

(STUDENTS THOUGHTS ON SCHOOL VACCINE DAY)
### HPV Vaccine Perceptions/Understanding

#### Parents
- Primarily get information/opinions from other parents, family physicians, internet
- Generally know it “prevents cancer” and is linked with sexual transmission
- Perceived by many as a “newer” vaccine
- Often thought as a vaccine “mainly for girls”

#### Schools (Principal/Teachers)
- Another vaccine in the schedule—may not realize it has been introduced for boys
- Generally know it “prevents cancer”, linked with sexual transmission—from their own reading/research
- Perceive uptake is higher than it is?

#### Students
- Generally know it “prevents cancer”
- May/may not link it with sexual transmission
- May/may not be involved in the decision to be vaccinated
- Feel it should be discussed (vaccine knowledge/sexual health) in school—Grade 6 appropriate level

#### Nurses
- No HPV vaccine specific training
- FAQ cards developed when vaccine first introduced (not available for newer nurses?)
I was diagnosed with cancer related to the HPV virus. It made it real. And a lot of our friends, well, not a lot, but there’s a couple of them that weren’t going to do the HPV ... because they didn’t believe their boys could get it. It was a girls’ virus. Walking, living proof that no, boys can get it too. And their kids got vaccinated because I got sick.

(FATHER, SON IN GRADE 6)
I saw the WHO had put out a big push to get the HPV ... I think that that’s a really good step in the right direction, to get everybody on board. But I just know that those other class actions still aren’t resolved, so that’s kind of what I’m waiting for. And I’ll do my best to obviously keep an eye on that, and then when it’s resolved or whatnot ... then I would go forward with my kids getting [HPV shots].

(MOTHER, SON IN GRADE 6)
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**HPV VACCINE PERCEPTIONS/UNDERSTANDING**
I think we are pretty high. I know there were a couple of children—last year I believe there were two families whose children—hadn’t been vaccinated at all. But other than that, I think our rates are fairly high.

*(SCHOOL PRINCIPAL, LOW UPTAKE SCHOOL)*
## WHO SHOULD TALK TO STUDENTS ABOUT VACCINES

### PARENTS
- Students care about needles more than about vaccines
- Knowing “what’s going in your body”
- Should be part of general education
- Students listen to teachers > parents
- Decision to vaccinate should be left with parents

### SCHOOLS (PRINCIPAL/TEACHERS)
- May/may not perceive vaccines should be part of curriculum
- May or may not feel knowledgeable
- “Kids Boost Immunity” good idea
- Fine line – schools should educate about vaccines but decision to vaccinate with parents

### STUDENTS
- Knowing “what’s going in your body”
- May or may not discuss with parents, family physician
- Would like to discuss vaccines in school
- “I Boost Immunity at home”? Screen time
- HPV – talk about sexual health at Grade 6 “appropriate” level

### NURSES
- Not all nurses have relationships with school/spend time at schools outside of vaccine days
- Talking to students about vaccine helps with getting consent forms returned
[Students] love the science behind it. And the new curriculum has created stuff for grade six classrooms. It’s all about body systems, so they actually study immune system, the reproductive system, digestive system.

(NURSE)
PRELIMINARY THOUGHTS ... WHAT IS GOING WELL?

- **Big logistical undertaking** - smooth communication between health authority and school

- **Supportive nurses and school staff:**
  - Better experience for the students
  - More consent forms returned?

- Nurses being able to leverage relationships with schools

- **Resources** (though not necessarily utilized):
  - Kids Boost Immunity / I Boost Immunity
  - Immunization rates for each school

- **Shift to cancer prevention** rather than STI focus
WHAT CAN WE DO BETTER?

- **Engage everyone** in the discussion (nurses, teachers, principals, parents, students)
- **Streamline consent process** so that forms easier to return (electronic forms?)
- Feedback to schools (and parents?) about immunization rates at their school
- Enable students to learn about vaccines and ask questions
- Enable schools to teach about vaccines
- Enable nurses to have relationships with schools beyond the vaccination day
- **Information for parents** – more, less, more targeted to specific questions?
WHAT DO YOU THINK ABOUT VACCINES (SHOTS) IN GRADE 6?