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# HPV Infection Prevention in Males by Gardasil Vaccination

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# HPV Infection Prevention in Males by Gardasil Vaccination

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Waitsfield, VT  
Family Medicine – June 2014

# Problem

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## Preventing HPV infection in males

- ◉ Understanding HPV
- ◉ Educating about the spread of HPV in males
- ◉ Conditions caused by HPV in males
- ◉ Information about the Gardasil Vaccine
- ◉ Where males should go for information about HPV

# Public Health of HPV in Males

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- About 1% of sexually active males in the U.S. have genital warts
- Each year 400 males get HPV related cancer of the penis
- 1,500 males get HPV related cancer of the anus each year
- 2-3 cases of Genital warts have been reported at Harwood High School (Moretown and Waitsfield)
- Harwood High School's school nurse reports 1-3 males students each year seeking information about STIs (including HPV)

\*Source: CDC , *Name Withheld*

# Community Perspective, Support, and Need

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- Within the first week of my Family Medicine rotation, Dr. Francis Cook was having to provide education to a young male patient about HPV prevention and the Gardasil vaccine without the use of educational tools.
- This issue came up again during the second week of my rotation, and Dr. Francis Cook verbally expressed his apology to a male patient and his family for not having HPV prevention and Gardasil vaccine information for them in the form of a pamphlet – this family choose to wait on the vaccination. If this family had a pamphlet on HPV prevention and the Gardasil vaccine, their decision might have been different.
- Two interviews were carried out to understand what information was known about HPV prevention and Gardasil
  - 19 year old male patient and Harwood High School's school nurse – *Name Withheld*

# Intervention and Methodology

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- Development of a pamphlet to educate young males about HPV and the vaccine Gardasil

# Results

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- Interview with 19 year old male patient – he had never heard of HPV, genital warts, Gardasil vaccine, effects of the vaccine, and would turn to his physician and the high school's school nurse for information about these issues
- Subsequently, an interview with Harwood High School's school nurse was carried out – *Name Withheld* reported that HPV prevention was an issue that was important to school age male health education, and a number of male students have approached her about having genital warts or for educational information about HPV infection and prevention through the Gardasil vaccine
- HPV Information and Prevention, and Gardasil Pamphlet was developed to address the concerns and provide educational tools for Mad River Family Practice

# Evaluation of Effectiveness

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- Use the Electronic Medical Record to track the increase in Gardasil vaccination use in males after introducing the pamphlet
- Survey patients and families to ask if the use of the pamphlet impacted their decision to vaccinate against HPV using the Gardasil vaccine



# Future Directions

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- ◉ Implement outreach to Harwood High School for education of school age males and their families
- ◉ Carry out study of effectiveness of pamphlet
- ◉ At the suggestion of *Name Withheld*, develop a website to better target and provide education and outreach to young males

# References

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- CDC -

<http://www.cdc.gov/std/hpv/stdfact-hpv-and-men.htm>