

In the beginning. . .

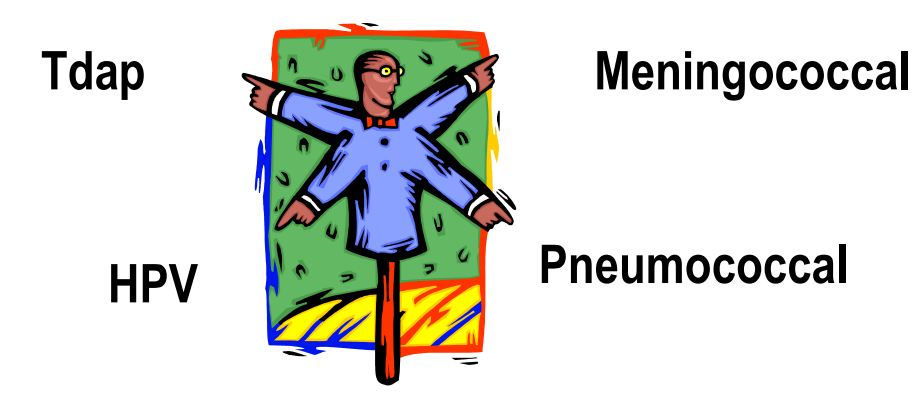


American Recovery and Reinvestment Act (ARRA) funds dispersed late 2009

NJ Vaccine Preventable Disease program received \$ 7,438,204

Funds dedicated to vaccine purchase >100,00 doses

Madison Health Department Approved as ARRA Provider



Decision made to offer HPV vaccine to college students and young adults within health department jurisdiction

Vaccine availability announced community wide

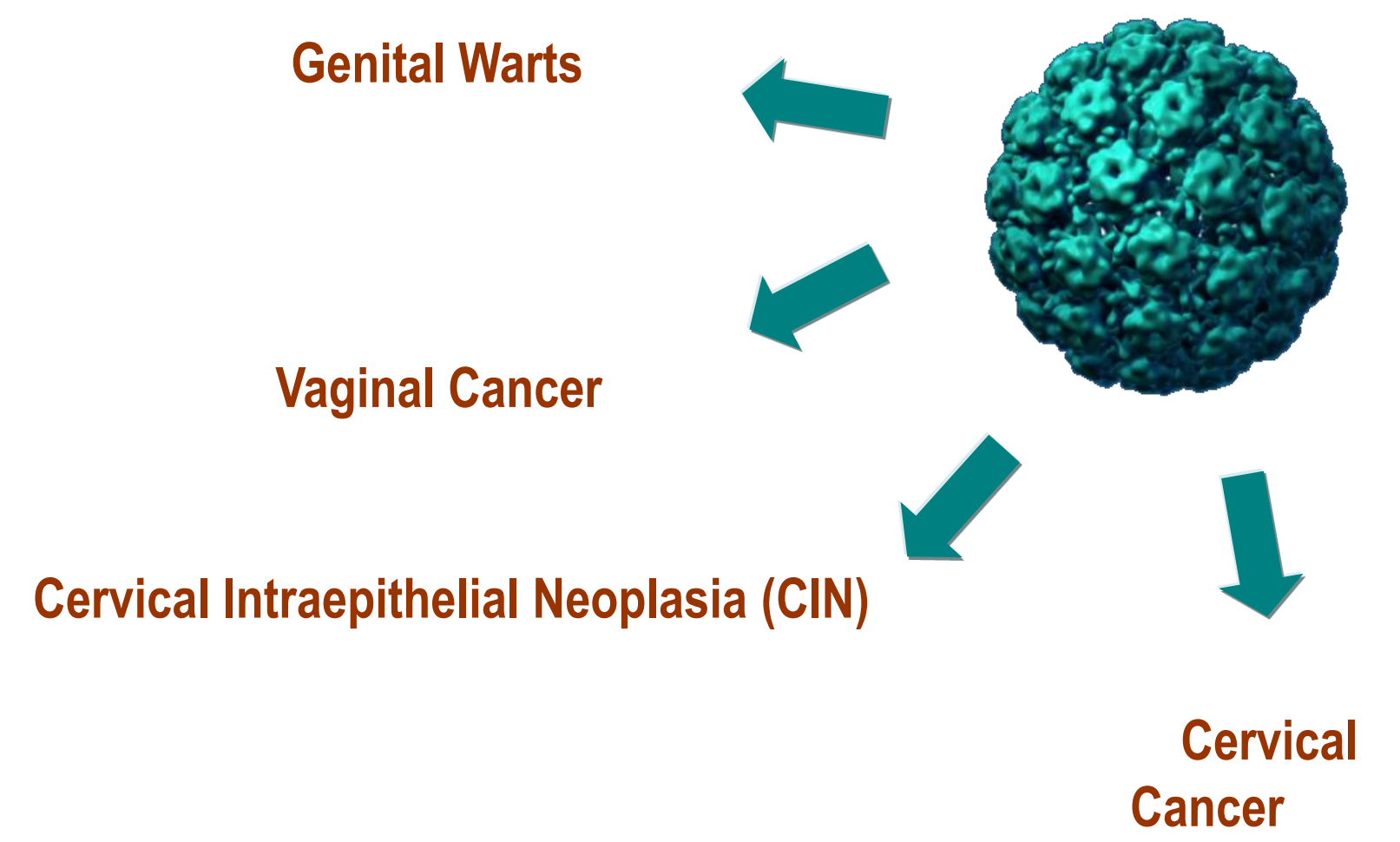


HPV Infection 101. . .

Factors Affecting Occurrence

- Young age
 - Peak age group 20 to 24 years of age
- Increased number of sexual partners during lifetime
- Early age of first sexual intercourse
- History of smoking
- Oral contraceptive use
- Uncircumcised male partners
- Male partner sexual behavior

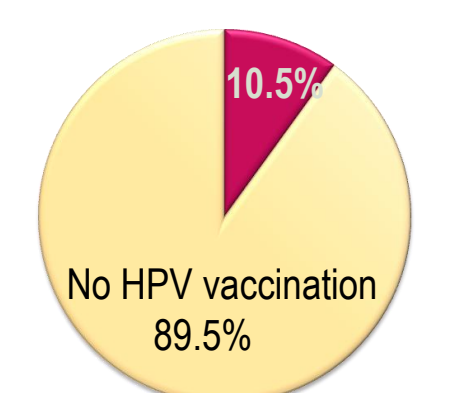
HPV Is Associated With Many Conditions



1 Centers for Disease Control and Prevention (CDC). Human papillomavirus. In: Atkinson W, Wolfe C, Hamborsky J, et al, eds. *Epidemiology and Prevention of Vaccine-Preventable Diseases*. 11th rev ed. Washington, DC: Public Health Foundation; 2009:123-134
2 Weaver BA. Epidemiology and natural history of genital human papillomavirus infection. *J Am Osteopath Assoc*. 2006;106(3, suppl 1):S2-S8.
3 Mosher WD, Chandra A, Jones J. Sexual behavior and selected health measures: men and women 15-44 years of age, United States, 2002. *Advance Data from Vital Health Stat*. No. 362. Hyattsville, MD: National Center for Health Statistics; 2005.
4 Winer RL, Lee S-K, Hughes JP, et al. Genital human papillomavirus infection: incidence and risk factors in a cohort of female university students. *Am J Epidemiol*. 2003;157(3):218-226.

Active infection affects ≈ 20 million
Many will clear but impossible to reliably predict

HPV vaccination coverage estimates from National Health Interview Survey: 2008



Challenge

Challenging Mission:

. . .REACH healthy college students

. . . EDUCATE about HPV vaccine & infection

. . . OFFER vaccine

. . . REMOVE barriers

So We Began. . .



Goal: Complete 3 dose series during academic school year

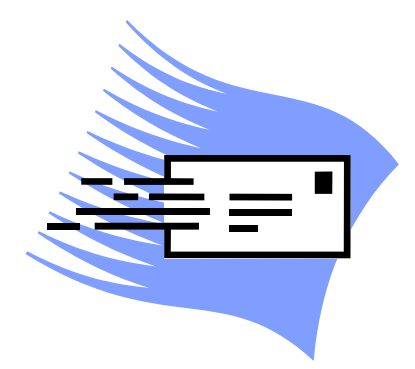
Previous partnership with university staff allowed for collaborative, on campus efforts

Campus wide emails sent from Health Services 'spread the news'

Block appointment times provided flexibility during seasonal flu clinics, on campus at Student Center



Email / cell phone contact information obtained for follow up appointments



Merck email reminder system initiated

'3 IS KEY: Let Us Remind You'

We found that. . .



• Females were more aware of vaccine indications

• Males were unaware of permissive indication

• Few had started series

• Questioned need

• Questioned need with current HPV infection

• Agreeable with mention of genital warts

September 2010

Initial Visit

• during on campus seasonal influenza clinics



• info about disease and vaccine available: Vaccine Information Statements (VIS) and 'digestible' fact sheets

• staff present for questions

• HPV vaccine was administered to 19:
16 dose #1
2 dose #2
1 dose #3

November 2010

Emails / text messages to students due for dose #2

Choice of on campus appointments at health services: midday or evening

14 of 16 due for dose two received vaccine



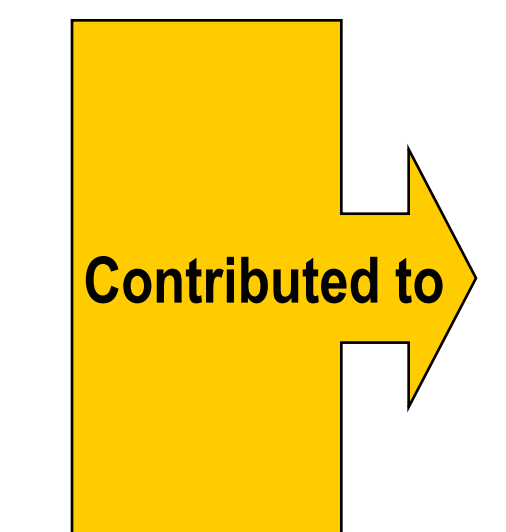
To Learn Always. . .

Creating most vaccine accessible environment works

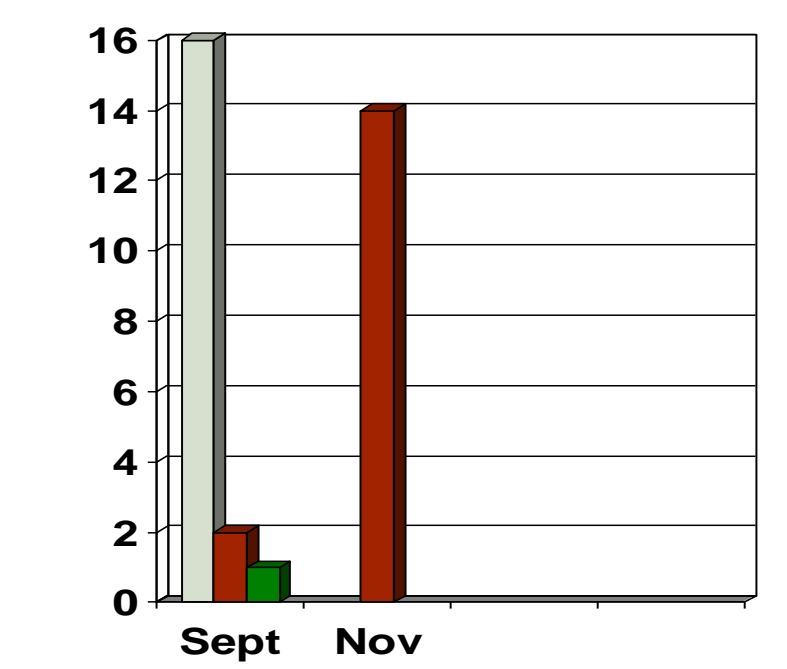
Go to the patient, student, parent, child for best success

Convenience and barrier-free access for non-mandated vaccine is key

- No cost
- On campus presence
- Standing order
- Appointment flexibility
- Electronic contact reminders



87.5% second dose receipt



Third dose appointments scheduled for March 2011

On Going Efforts

HPV vaccine continues to be offered as appropriate

ARRA inventory will allow for access until supply exhausted / expired

Local health department and university health service coordinated collaboration

Acknowledgements. . .

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