Cancer Prevention: The Added Value in Adolescent Immunizations

Human Papillomavirus (HPV) is a very common virus. The Centers for Disease Control (CDC) estimates that about 79 million people are currently infected with HPV in the United States and about 14 million people in the U.S. get a new HPV infection every year¹. More than 40 percent of people become infected during their lifetimes with certain 'higher risk' types of HPV that are associated with cervical, vaginal, vulvar, anal, throat and penile cancers².

Vaccination is a safe and effective way to prevent infection by these 'higher risk' virus types. The CDC, the American Cancer Society, the American Academy of Pediatrics and others recommend that children who are 11 to 12 years of age, and less than 15 years of age, get two doses of HPV vaccine—rather than the previously recommended three doses—to protect against cancers caused by HPV³. The second dose should be given 6-12 months after the first dose³. Research



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demonstrates an advantage to vaccinating at this age since there is a stronger immune response against HPV infection compared to older teenagers and young adults.

Healthy People 2020 is a national health initiative that has a set a goal for 80 percent of all adolescents to receive tetanus-diphtheria-acellular pertussis (Tdap) booster, one dose of meningococcal (MCV4) vaccine and completes the HPV vaccination series beginning by 13 years of age⁴.

Better adherence to the schedule of recommended vaccines by clinicians and a two-dose vaccination sequence for those beginning HPV vaccination prior to 15 years of age (as opposed to a three-dose sequence) have worked to improve HPV vaccination rates in recent years. To further improve HPV vaccination rates, consider these five research and expert-based strategies:

- Provide a strong recommendation for all vaccines⁵. Parents trust their providers' recommendations and a confident recommendation from their child's provider is a proven strategy to increase both a parent's knowledge about HPV infection and their consent to vaccinate. In fact, when providers don't recommend HPV vaccination as often and consistently as other adolescent vaccines, parents may think HPV vaccination is optional or unnecessary.
- 2. Keep the primary message focused on cancer prevention. Educate parents about the diseases that can be prevented by adolescent vaccines and talk about HPV vaccination in terms of cancer prevention. Research shows that parents are more likely to vaccinate against HPV infection when providers focus on the HPV vaccine's cancer-prevention benefits⁶.
- Administer vaccines together.⁵ To increase vaccination rates, experts recommend that providers administer HPV vaccine the same time that they give other adolescent vaccines.⁵ For 11 and 12-year old patients, it is common to administer Tdap, HPV, and Meningococcal vaccines together.

- 4. Use all opportunities to Immunize.⁵ Avoid missed opportunities to administer the HPV vaccine. Research shows that providers tend to underestimate the challenges associated with adolescent vaccine compliance⁷. Since adolescents may be more likely to seek medical care for focused complaints, review a patient's immunization status during all office visits, and do not limit immunizations to well-child examinations or immunization-only appointments.⁵
- 5. Use decisions support and appointment reminders tools.⁵ Schedule next-dose appointments before patients and their parents they leave the office. Appointment reminder tools that alert parents to an upcoming appointment (or to follow-up on a missed appointment), and providers' use of electronic medical record decision support prompts can increase immunization compliance rates.

These practice strategies will help ensure that children receive all recommended vaccines on time. For additional information, please go to <u>www.cdc.gov/vaccines</u>.

References:

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