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Date: November 29, 2016

To: Healthcare Providers and Local Health Departments

From: New York State Department of Health (NYSDOH), Bureau of Immunization

INFORMATIONAL MESSAGE:

REVISED HUMAN PAPILLOMAVIRUS (HPV) VACCINE SCHEDULE

Please distribute to Medical Director, Director of Nursing, Family Medicine, Pediatrics, Obstetrics and all primary care providers.

On October 19th, 2016, the Centers for Disease Control and Prevention (CDC)'s Advisory Committee on Immunization Practices (ACIP) voted to recommend a new dosing schedule for HPV vaccine. The vaccine schedule will differ based on the age at administration of the first dose and the presence of underlying immunocompromising conditions:

- For boys and girls initiating vaccination before the 15th birthday, only 2 doses of HPV vaccine are needed, with the second dose administered 6 – 12 months after the first dose (0, 6 – 12 month schedule). However, the minimum interval between dose 1 and dose 2 is 5 months.
 - Persons who initiated the HPV vaccine series before the 15th birthday are considered adequately vaccinated if they received 2 doses a minimum of 5 months apart.
 - If the second dose was received less than 5 months following the first dose, then the series should be completed with a third dose a minimum of 3 months after the second dose and a minimum of 5 months after the first dose.
 - The second dose of the 2-dose schedule, or a third dose, if required, may be given after the 15th birthday.
- For persons initiating vaccination on or after the 15th birthday, 3 doses of HPV vaccine are still recommended (0, 1-2, 6 month schedule).
 - Minimum intervals for the three-dose series are 1 month between the first and second dose, 3 months between the second and third dose, and 5 months between the first and third dose.
 - Persons aged 9 through 26 years with primary or secondary immunocompromising conditions that might reduce cell-mediated or humoral immunity (e.g., HIV infection, cancer, autoimmune disease or treatment with immunosuppressing medications) should still follow the three-dose schedule since immune response to vaccination may be attenuated in this population.
- If the HPV vaccine series is interrupted, it does not need to be restarted. It should be completed as soon as possible according to the guidelines above.
- The new recommendations were based on immunogenicity data and efficacy trials that demonstrated a similar or improved immune response to the two-dose series in

adolescents 9 through 14 years when compared with three doses started at age 16 years or later.

- HPV vaccine is recommended for routine vaccination at age 11 or 12 years, but can be given as young as age 9 years. ACIP recommends catch-up HPV vaccination for females through age 26 years and males through age 21 years who were not adequately vaccinated previously. Males aged 22 through 26 years may be vaccinated. ACIP recommends vaccination through age 26 years for gay, bisexual, and other men who have sex with men (MSM) and transgender persons who were not adequately vaccinated previously.

The ACIP recommendations will become CDC guidelines when they are published in the Morbidity and Mortality Weekly Report (MMWR). However, the CDC and the NYSDOH encourage clinicians to begin implementing the 2-dose schedule in their practice now to protect their preteen patients. Routine vaccination of preteens is efficacious, reduces the number of doses required, and provides protection before exposure to HPV is likely.

In addition to the new HPV vaccine recommendations, the ACIP voted in the October meeting on recommendations for the hepatitis B birth dose, serogroup B meningococcal vaccine schedule, and on the 2017 Child/Adolescent and Adult Immunization schedules. More detailed guidance will be issued for these recommendations once they are published later this year.

Additional information

- CDC media release for the new HPV vaccine recommendation is available online at <https://www.cdc.gov/media/releases/2016/p1020-hpv-shots.html>.
- Vaccines for Children Program (VFC) resolution for the new dosing schedule for HPV vaccine is available online at <https://www.cdc.gov/vaccines/programs/vfc/downloads/resolutions/2016-10-2-hpv.pdf>
- Brief summary of ACIP votes for the October meeting is available online at <http://www.cdc.gov/vaccines/acip/index.html>.
- CDC Current Issues in Immunization Netconference, updated HPV vaccine recommendations available online at <http://www.cdc.gov/vaccines/ed/ciinc/2016-10-26.html>
- ACIP meeting information is available online at <http://www.cdc.gov/vaccines/acip/meetings/meetings-info.html>. Meeting slides are typically posted on the website within 1 month of the meeting, and meeting minutes are posted within 90 days of the meeting.
- Questions and Answers about HPV and HPV Vaccine, NYSDOH online at http://www.health.ny.gov/prevention/immunization/providers/hpv_q_and_a.htm.
- For additional questions or comments, please contact the NYSDOH Bureau of Immunization at 518-473-4437 or email immunize@health.ny.gov.