

# The Medical Letter<sup>®</sup>

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### IN BRIEF

## New Adult Immunization Recommendations

The 2017 adult immunization schedule approved by the CDC's Advisory Committee on Immunization Practices (ACIP) includes some new or revised recommendations.<sup>1</sup> The complete schedule is available on the CDC's website ([www.cdc.gov/vaccines/schedules](http://www.cdc.gov/vaccines/schedules)). New recommendations for use of influenza vaccine during the 2016-2017 season were included in a previous issue of *The Medical Letter*.<sup>2</sup> Updated recommendations for other vaccines are summarized below. Recommendations for routine use of vaccines in adults were reviewed in an earlier issue.<sup>3</sup>

### Human Papillomavirus Vaccine (HPV: *Gardasil*, *Gardasil 9*)<sup>4</sup>

#### Update: Dosing schedules for young adults who did not complete an HPV vaccine series as adolescents

- ▶ Previously unvaccinated adult females  $\leq 26$  years old and males  $\leq 21$  years old should receive a 3-dose series (0, 1-2, and 6 months). Males 22-26 years old who have immunocompromising conditions (including HIV infection) and those who have sex with men should also receive a 3-dose series.
- ▶ All of those above who received 2 doses  $\geq 5$  months apart before age 15 do not need an additional dose.
- ▶ All of those above who received only 1 dose or 2 doses  $< 5$  months apart before age 15 should receive 1 additional dose.

### Hepatitis B Vaccine (Hep B: *Engerix-B*, *Recombivax HB*; HepA/HepB: *Twinrix*)

#### Update: List of chronic liver disease conditions for which Hep B vaccine is recommended

- ▶ Adults with chronic liver disease including, but not limited to, hepatitis C virus infection, cirrhosis, fatty liver disease, alcoholic liver disease, autoimmune hepatitis, and an ALT or AST level  $> 2$  times the upper limit of normal should receive a 3-dose series (0, 1, and 6 months).

### Meningococcal Conjugate Vaccine Serogroups A, C, W, and Y (MenACWY: *Menactra*, *Menveo*)

#### Update: MenACWY vaccine is recommended for all adults with HIV infection

- ▶ Previously unvaccinated adults with HIV infection should receive 2 doses  $\geq 2$  months apart and should be revaccinated every 5 years.
- ▶ Adults with HIV infection who previously received 1 dose should receive a second dose  $\geq 2$  months after the first.

### Meningococcal Vaccine Serogroup B (MenB-FHbp: *Trumenba*; MenB-4C: *Bexsero*)<sup>5,6</sup>

#### Update: Dosing schedule for *Trumenba*

- ▶ Adults who are at increased risk for meningococcal disease (anatomical or functional asplenia, persistent complement component deficiencies, microbiologists routinely exposed to isolates of *Neisseria meningitidis*) and those who are vaccinated during serogroup B disease outbreaks should receive a 3-dose series (0, 1-2, and 6 months) of *Trumenba*. (2 doses of *Bexsero*  $\geq 1$  month apart can be given instead.)
- ▶ Young adults 16 through 23 years old (preferably at 16-18 years of age) who are healthy and not at increased risk for meningococcal disease may receive a 2-dose series (0 and 6 months) of *Trumenba*. (2 doses of *Bexsero*  $\geq 1$  month apart may be given instead.)

1. DK Kim et al. Advisory Committee on Immunization Practices recommended immunization schedule for adults aged 19 years or older – United States, 2017. *MMWR Morb Mortal Wkly Rep* 2017; 66:136.
2. Influenza vaccine for 2016-2017. *Med Lett Drugs Ther* 2016; 58:127.
3. Adult immunization. *Treat Guidel Med Lett* 2014; 12:39.
4. *Gardasil 9* – a broader HPV vaccine. *Med Lett Drugs Ther* 2015; 57:47.
5. *Trumenba*: a serogroup B meningococcal vaccine. *Med Lett Drugs Ther* 2015; 57:5.
6. *Bexsero* – a second serogroup B meningococcal vaccine. *Med Lett Drugs Ther* 2015; 57:158.

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