

VACCINE POINTS

“Vaccine Points” is a bi-monthly communication distributed by the Hawaii Department of Health to all participating Vaccines for Children (VFC) providers.

Test your vaccine knowledge.

Question:

Which one of the following persons should receive a dose of *Haemophilus influenzae* type B vaccine? Select all that apply.

- a) Healthy 15 month old born on 4/23/17 who received 1st dose of Hib vaccine on 2/24/2018 and 2nd dose on 5/18/18
- b) 30 year old with HIV
- c) 5 year old previously unvaccinated healthy kindergarten student
- d) Healthy 18 month old who received a dose of Hib vaccine at age 15 months
- e) 19 month old with a history of receipt of Hib vaccine at age 16 months, who was hospitalized at age 17 months with *Haemophilus influenzae* type B meningitis

Answer: a, e



For unvaccinated infants receiving the first dose at age 7 through 11 months, a second dose should be administered at least 4 weeks later (regardless of Hib conjugate vaccine [PRP-T or PRP-OMP] used for first dose). A third (and final) dose should be administered at age 12 through 15 months or 8 weeks after the second dose, whichever date is later.

Children aged <24 months who develop invasive Hib disease can remain at risk for developing a second episode because natural infection in this age group does not reliably result in development of protective antibody levels. These children should be considered unvaccinated regardless of previous Hib vaccination and should receive Hib vaccine doses according to the age-appropriate schedule for unimmunized children. Children aged <24 months who develop invasive Hib disease should receive primary vaccination or re-vaccination with a second primary series beginning 4 weeks after onset of disease.

Hib vaccination is not recommended for HIV infected adults.

Previously unvaccinated children aged ≥60 months who are not considered high-risk generally are immune to Hib disease and do not require catch-up vaccination.

For unvaccinated children receiving the first dose at age 15 through 59 months, no further doses of any monovalent or combination Hib conjugate vaccine are indicated.

Source: MIMWR, Prevention and Control of *Haemophilus influenzae* Type b Disease, Recommendations of the Advisory Committee on Immunization Practices, February 28, 2014, pages 7-9. <https://www.cdc.gov/mmwr/PDF/rr/rr6301.pdf>

Catch-Up Guidance for Healthy Children 4 Months through 4 Years of Age, *Haemophilus influenzae* type b-containing vaccines. <https://www.cdc.gov/vaccines/schedules/downloads/child/job-aids/hib-acthib.pdf>