

Hepatitis A & B Vaccines

Be sure your patient gets the correct dose!

Recommended dosages and schedules of hepatitis A vaccines

Vaccine	Age group	Dose	Volume	# Doses	Dosing interval
Havrix (GlaxoSmithKline)	1–18 yrs	720 ELISA Units	0.5 mL	2	0, 6–12 mos
	19 yrs & older	1440 ELISA Units	1.0 mL	2	0, 6–12 mos
Vaqta (Merck)	1–18 yrs	25 Units	0.5 mL	2	0, 6–18 mos
	19 yrs & older	50 Units	1.0 mL	2	0, 6–18 mos

Recommended dosages and schedules of hepatitis B vaccines

Vaccine	Age group	Dose	Volume	# Doses	Schedule / Dosing interval
Engerix-B (GlaxoSmithKline)	0–19 yrs	10 µg	0.5 mL	3	Age: birth, 1–4, 6–18 mos Dose intervals for older children: 0, 1–2, 4 mos*
	20 yrs & older	20 µg	1.0 mL	3	Dose interval: 0, 1, 6 mos*
Recombivax HB (Merck)	0–19 yrs	5 µg	0.5 mL	3	Age: birth, 1–4, 6–18 mos Dose intervals for older children: 0, 1–2, 4 mos*
	11–15 yrs	10 µg	1.0 mL	2	Dose intervals: 0, 4–6 mos*
	20 yrs & older	10 µg	1.0 mL	3	Dose intervals: 0, 1, 6 mos*

Note: For adult dialysis patients, the Engerix-B dose required is 40µg/2.0mL (use the adult 20µg/1.0mL formulation) on a schedule of 0, 1, 2, and 6 months. For Recombivax HB, a special formulation for dialysis patients is available. The dose is 40µg/1.0mL and it is given on a schedule of 0, 1, and 6 months.

*The schedule for administering hepatitis B vaccine is flexible and can vary.

Combinations using hepatitis A and/or hepatitis B vaccines

Vaccine	Age group	Volume	# Doses	Schedule / Dosing interval
Comvax** Hib+HepB (Merck)	6 wks – 4 yrs	0.5 mL	3	Age: 2, 4, 12–15 mos
Pediarix** DTaP+HepB+IPV (GlaxoSmithKline)	6 wks – 6 yrs	0.5 mL	3	Age: 2, 4, 6 mos
Twinrix HepA+HepB (GlaxoSmithKline)	18 yrs & older	1.0 mL	3	Dose intervals: 0, 1, 6 mos
		1.0 mL	4	Dose intervals: 0, 7, 21–30 days, 12 mos.

Licensed combination vaccines may be used whenever any component of the combination is indicated and its other component(s) is not (are not) contraindicated. The use of licensed combination vaccines is preferred over separate injection of their equivalent component vaccines.

**Cannot be used for the hepatitis B vaccine birth dose and cannot be administered before age 6 weeks.

Engerix-B or Recombivax HB should be used for the hepatitis B vaccine birth dose.

Sources

- Prevention of Hepatitis A Through Active or Passive Immunization: Recommendations of the ACIP, *MMWR*, May 19, 2006, Vol. 55(RR07)
- A Comprehensive Immunization Strategy to Eliminate Transmission of Hepatitis B Virus Infection in the United States: Recommendations of the ACIP, Part I: Immunization of Infants, Children and Adolescents, *MMWR*, December 23, 2005, Vol. 54(RR-16)
- A Comprehensive Immunization Strategy to Eliminate Transmission of Hepatitis B Virus Infection in the United States: Recommendations of the ACIP, Part II: Immunization of Adults, *MMWR*, December 8, 2006, Vol. 55(RR-16)
- General Recommendations on Immunization: Recommendations of the ACIP, *MMWR*, December 1, 2006, Vol. 55(RR15)

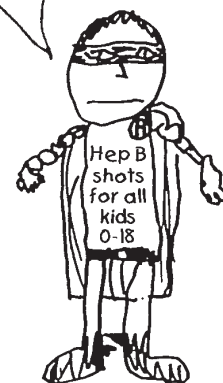
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What hepatitis B vaccination question is asked over and over and over again?

Robin, it's been a year since my patient had his first hepatitis B shot. Should I start the series over again?



Holy shot in the arm, Batman! How many times do I have to tell you? **You don't have to restart the series!** As with all other vaccines, you just continue from where you left off.



Don't restart the series!

www.immunize.org/catg.d/p2081.pdf • Item #P2081 (9/07)