

# Hepatitis A and Hepatitis B Vaccines: Be Sure Your Patients Get the Correct Dose

## Hepatitis A vaccines: Recommended dosages and schedules

VACCINE	AGE GROUP	VOLUME	# DOSES	DOSING INTERVALS
<b>Havrix</b> (GlaxoSmithKline)	1 <sup>1</sup> through 18 yrs	0.5 mL	2	0, 6–12 mos
	19 yrs and older	1.0 mL	2	0, 6–12 mos
<b>Vaqta</b> (Merck)	1 <sup>1</sup> through 18 yrs	0.5 mL	2	0, 6–18 mos
	19 yrs and older	1.0 mL	2	0, 6–18 mos

### Answer to a commonly asked question:

It is not necessary to restart the series of hepatitis B or hepatitis A vaccines because of an extended interval between doses.

## Hepatitis B vaccines: Recommended dosages and schedules

VACCINE	AGE GROUP	VOLUME	# DOSES	SCHEDULES/DOSING INTERVALS
<b>Engerix-B</b> (GlaxoSmithKline)	0 through 19 yrs	0.5 mL	3	For newborns, give dose #1 within 24 hrs of birth; then at age 1–2 mos and 6–18 mos For older children who did not start HepB series at birth: 0, 1–2, 4–6 mos <sup>2</sup>
	20 yrs and older	1.0 mL <sup>3</sup>	3	0, 1–2, 4–6 mos <sup>2</sup>
<b>Recombivax HB</b> (Merck)	0 through 19 yrs	0.5 mL	3	For newborns, give dose #1 within 24 hrs of birth; then at age 1–2 mos and 6–18 mos For older children who did not start HepB series at birth: 0, 1–2, 4–6 mos <sup>2</sup>
	11 through 15 yrs	1.0 mL	2	0, 4–6 mos
	20 yrs and older	1.0 mL <sup>3</sup>	3	0, 1–2, 4–6 mos <sup>2</sup>
<b>Hepelisav-B</b> (Dynavax)	18 yrs and older	0.5 mL <sup>3</sup>	2	0, 1 mo
<b>PreHevbrio</b> (VBI Vaccines)	18 yrs and older	1.0 mL <sup>3</sup>	3	0, 1, 6 mos

### NOTES

- 1 Give one 0.5 mL dose to children age 6–11 months who will travel anywhere outside the U.S. when protection against hepatitis A is recommended. This dose does not count toward the routine 2-dose series given after the first birthday.
- 2 There are minimum intervals between the doses of Engerix-B, Recombivax HB, and PreHevbrio vaccine. There must be at least 4 weeks between doses #1 and #2, at least 8 weeks between doses #2 and #3, and at least 16 weeks between doses #1 and #3. The final dose in the infant series should not be given earlier than 24 weeks of age.
- 3 For adult dialysis patients, the Engerix-B dose required is 2.0 mL (use the adult formulation) on a schedule of 0, 1, 2, and 6 months. For Recombivax HB, a special formulation for dialysis patients is available. The dose for the dialysis formulation is 1.0 mL and it is given on a schedule of 0, 1, and 6 months. The safety and effectiveness of Hepelisav-B and PreHevbrio have not been established in adults on hemodialysis.
- 4 When using HepB at birth and 3 doses of either Pediarix or Vaxelis, you will be administering 4 doses of HepB which is recommended by ACIP.

### REFERENCES

- Universal Hepatitis B Vaccination in Adults Aged 19–59 years – Updated Recommendations of the Advisory Committee on Immunization Practices—United States, 2022. *MMWR* 2022; Vol. 71 (13):477–483.
- Prevention of Hepatitis A in the United States: Recommendations of the Advisory Committee on Immunization Practices (ACIP), *MMWR*, July 3, 2020; Vol. 69(5); 1–38.
- Recommendations of the ACIP for Use of a Hepatitis B Vaccine with a Novel Adjuvant, *MMWR*, April 20, 2018; Vol. 67(No 15):455–8.

## Combination vaccines: Recommended dosages and schedules

VACCINE	AGE GROUP	VOLUME	# DOSES	SCHEDULES/DOSING INTERVALS
<b>Pediarix</b> DTaP+HepB+IPV (GlaxoSmithKline)	6 wks through 6 yrs	0.5 mL	3	For newborns, give monovalent hepatitis B vaccine within 24 hrs of birth; then give Pediarix at age 2 mos, 4 mos, 6 mos <sup>4</sup>
<b>Vaxelis</b> DTaP+IPV+Hib+HepB (Sanofi)	6 wks through 4 yrs	0.5 mL	3	2, 4, 6 mos <sup>4</sup>
<b>Twinrix</b> HepA+HepB (GlaxoSmithKline)	18 yrs and older	1.0 mL	3	0, 1, 6 mos
		1.0 mL	4	0, 7, 21–30 days, 12 mos