

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
Havrix (GSK)	1 ¹ through 18 yrs	0.5 mL	2	0, 6–12 mos
	19 yrs and older	1.0 mL	2	0, 6–12 mos
Vaqta (Merck)	1 ¹ 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
Engerix-B (GSK)	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 ²
	20 yrs and older	1.0 mL ³	3	0, 1–2, 4–6 mos ²
Recombivax HB (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 ²
	11 through 15 yrs	1.0 mL	2	0, 4–6 mos
	20 yrs and older	1.0 mL ³	3	0, 1–2, 4–6 mos ²
Hepelisav-B (Dynavax)	18 yrs and older	0.5 mL ³	2	0, 1 mo
PreHevbrio (VBI Vaccines)	18 yrs and older	1.0 mL ³	3	0, 1, 4–6 mos ²

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.

Combination vaccines: Recommended dosages and schedules

VACCINE	AGE GROUP	VOLUME	# DOSES	SCHEDULES/DOSING INTERVALS
Pediarix DTaP+HepB+IPV (GSK)	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 ⁴
Vaxelis DTaP+IPV+Hib+HepB (Sanofi)	6 wks through 4 yrs	0.5 mL	3	2, 4, 6 mos ⁴
Twinrix HepA+HepB (GSK)	18 yrs and older	1.0 mL	3	0, 1, 6 mos
		1.0 mL	4	0, 7, 21–30 days, 12 mos

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.

