

Hepatitis B Vaccination Recommendations

Birth to 18 months

2023 Child Immunization Updates

Routine Vaccination

- 3-dose series at age 0, 1–2, 6–18 months (use monovalent HepB vaccine for doses administered before age 6 weeks)
 - Birth weight $\geq 2,000$ grams: 1 dose within 24 hours of birth if medically stable
 - Birth weight $< 2,000$ grams: 1 dose at chronological age 1 month or hospital discharge (whichever is earlier and even if weight is still $< 2,000$ grams).
- Infants who did not receive a birth dose should begin the series as soon as possible
- Administration of 4 doses is permitted when a combination vaccine containing HepB is used after the birth dose.
- Minimum intervals : when 4 doses are administered, substitute “dose 4” for “dose 3” in these calculations
- Final (3rd or 4th) dose: age 6–18 months (minimum age 24 weeks)



If the Mother is HBsAg positive:

- **Birth dose (monovalent HepB vaccine only):** administer **HepB vaccine** and **hepatitis B immune globulin (HBIG)** (in separate limbs) within 12 hours of birth, regardless of birth weight
- **Birth weight < 2000 grams:** administer 3 additional doses of HepB vaccine beginning at age 1 month (total of 4 doses)
- **Final (3rd or 4th) dose:** administer at age 6 months (minimum age 24 weeks) -Test for HBsAg and anti -HBs at age 9 –12 months. If HepB series is delayed, test 1 –2 months. Do not test before age 9 months.

If the Mother's HBsAg is unknown:

If other evidence suggestive of maternal hepatitis B infection exists (e.g., presence of HBV DNA, HBeAg-positive, or mother known to have chronic hepatitis B infection), manage infant as if mother is HBsAg-positive

- **Birth dose (monovalent HepB vaccine only):**
 - Birth weight $\geq 2,000$ grams: administer HepB vaccine within 12 hours of birth. Determine mother’s HBsAg status as soon as possible. If mother is determined to be HBsAg-positive, administer HBIG as soon as possible (in separate limb), but no later than 7 days of age.
 - Birth weight $< 2,000$ grams: administer HepB vaccine and HBIG (in separate limbs) within 12 hours of birth. Administer 3 additional doses of HepB vaccine beginning at age 1 month (total of 4 doses)
- **Final (3rd or 4th) dose:** administer at age 6 months (minimum age 24 weeks)
- If mother is determined to be HBsAg-positive or if status remains unknown, test for HBsAg and anti-HBs at age 9–12 months. If HepB series is delayed, test 1–2 months after final dose. Do not test before age 9 months.

Reference:

<https://www.cdc.gov/mmwr/volumes/72/wr/mm7206a1.htm>

<https://www.cdc.gov/vaccines/schedules/hcp/imz/child-adolescent.html#note-hepb>



Kentucky Public Health

Prevent. Promote. Protect.