

Hepatitis B Vaccine and Hepatitis B Immune Globulin Administration for Infants

Maternal Status	Infants greater than or equal to 2000 g *	Infants less than 2000 g *
Hepatitis B Surface Antigen (HBsAg) positive	<p>Give single-antigen hepatitis B (hepB) vaccine and hepatitis B immune globulin (HBIG) within 12 hours of birth.</p> <p>Complete the hepB vaccine series with single-antigen doses at 1-2 and 6 months of age or hepB-containing combination vaccines given at 2, 4, and 6 months of age, or 2, 4, and 12-15 months of age depending on the combination product used. (Combination vaccines cannot be given before 6 weeks of age.)</p> <p>Test for hepatitis B surface antibody (anti-HBs) and HBsAg at 9-18 months of age (3 months after the completion of the hepB vaccine series).</p> <p>If the infant is HBsAg and anti-HBs negative, repeat the 3 dose hepB vaccine series and retest 1-2 months after the completion of the second vaccine series.</p> <p>If infant is HBsAg-positive, refer to a specialist.</p>	<p>Give single-antigen hepB vaccine and HBIG within 12 hours of birth.</p> <p>Do not count the hepB birth dose as the first dose. Initiate the full hepB vaccine series with single-antigen doses at 1, 2-3 and 6 months of age or hepB-containing combination vaccines given at 2, 4, and 6 months of age, or 2, 4, and 12-15 months of age depending on the combination product used. (Combination vaccines cannot be given before 6 weeks of age.)</p> <p>Test for anti-HBs and HBsAg at 9-18 months of age (3 months after the completion of the hepB vaccine series).</p> <p>If infant is HBsAg and anti-HBs negative, repeat the 3 dose hepB vaccine series and retest 1-2 months after the completion of the second vaccine series.</p> <p>If infant is HBsAg-positive, refer to a specialist.</p>
HBsAg status unknown	<p>Test mother STAT for HBsAg.</p> <p>Give single-antigen hepB vaccine within 12 hours of birth and HBIG within 7 days if mom's status remains unknown or sooner if found to be HBsAg-positive.</p> <p>Follow the recommended vaccination schedule.</p>	<p>Test mother STAT for HBsAg.</p> <p>Give single-antigen hepB vaccine and HBIG within 12 hours of birth if mom's status remains unknown or if found to be HBsAg-positive.</p> <p>Follow the recommended vaccination schedule.</p>
HBsAg-negative	<p>Give single-antigen hepB vaccine at birth or prior to hospital discharge.</p> <p>Follow the recommended vaccination schedule.</p> <p>Anti-HBs and HBsAg testing is not recommended.</p>	<p>Give single-antigen hepB vaccine to medically stable infants at 30 days of chronologic age or at hospital discharge if before 30 days of chronologic age.</p> <p>Follow the recommended vaccination schedule.</p> <p>Anti-HBs and HBsAg testing is not recommended.</p>

* All doses of hepB vaccine and HBIG must be entered into the Michigan Care Improvement Registry (MCIR). This may be done by entering the data directly into the MCIR or on the Electronic Birth Certificate (EBC). It is important that all providers who see the baby in a neonatal intensive care unit (NICU) or in an office enter the dose information into MCIR so that a follow-up provider knows when to give the next dose.

- Adapted from: Saari TN and the Committee on Infectious Diseases, Immunization of Preterm and Low Birth Weight Infants. *Pediatrics* 2003; 112:193-198.