

Follow-up Protocol for Infants Born to Hepatitis B Surface Antigen (HBsAg) - Positive Person

Review - Michigan Care Improvement Registry (MCIR) to verify if infant received hepatitis B (HepB) vaccine and hepatitis B immune globulin (HBIG) at birth.

- **If not, GIVE** HepB vaccine as soon as possible and HBIG, if within a week of birth.*

At 1-2 months of age:

- **GIVE** the infant single antigen HepB vaccine.*
 - Intramuscularly in the anterolateral thigh at least 4 weeks after the first dose
- **Or GIVE** a combination HepB vaccine (Pediarix™ or Vaxelis™).*
 - Intramuscularly in the anterolateral thigh (infant needs to be at least 6 weeks of age)
- If the infant **weighed less than 2000g at birth**, and received HepB vaccine before 1 month of age, do not count the birth dose of HepB vaccine as part of series, repeat the dose at 1-2 months of age and give two additional doses.* (MCIR does not assess for this, so **note in the infant's chart**).

At the 4-month visit:

- **GIVE** a dose of combination HepB vaccine (if using Pediarix™ or Vaxelis™).*

At 6 months of age:

- **GIVE** the infant single antigen HepB vaccine or combination HepB vaccine.*
 - At least 8 weeks after second dose, at least 16 weeks after first, and no earlier than 24 weeks of age.
- **INFORM** parents that the infant will need a blood test at **9-12 months of age**.

At 9-12 months of age (1-2 months after the final dose if the vaccine series is delayed):

- **DRAW** or refer infant for **HBsAg** and hepatitis B surface antibody (**anti-HBs**) testing. To obtain test kits, contact the Perinatal Hepatitis B Prevention Program (PHBPP) case manager.*
 - If **anti-HBs positive**,
 - The patient is immune and does not need additional HepB vaccine.
 - If **HBsAg positive**,
 - The patient is infected and should be referred for follow-up care.
 - If **HBsAg and anti-HBs are both negative**,
 - Give **one additional dose** of single antigen HepB vaccine and **REPEAT** blood test in 1-2 months.*
 - If **anti-HBs positive** after one additional dose of HepB vaccine,
 - ✓ The patient is immune and does not need additional HepB vaccine.
 - If **repeat HBsAg and anti-HBs are negative**,
 - Give **two additional doses** of single antigen HepB vaccine (1 and 6 months later) repeat blood test 1-2 months after completion of second HepB vaccine series.*

If infant was **safely surrendered**, and childbearing person's HBsAg status is unknown, provide the same prophylaxis as babies born to HBsAg-positive persons.*

***REPORT** vaccination dates and date and results of blood tests to the PHBPP by using the [Hepatitis B Perinatal Case Report-Infant/Contact](#). Please update patient's MCIR record.

If you have questions, please call the PHBPP at 517-388-4815, 517-897-3236 or 517-242-8319.