## County of San Diego Perinatal Hepatitis B Prevention Program

## **Pediatrician Information Sheet**

The County of San Diego Perinatal Hepatitis B Prevention Program (PHPP) provides case management and support to local mothers, families, and medical providers with the goal of preventing perinatal, or mother-to-baby, transmission of hepatitis B virus infection.

### **Pediatricians and Pediatric Clinics please:**

- **Ask** about maternal history regarding hepatitis B status
- Contact PHPP to notify us that an infant exposed to hepatitis B at birth is under your care
- **Check** infant's hospital birth record to ensure post exposure prophylaxis (PEP) (hepatitis B vaccine and hepatitis B immune globulin-HBIG) were administered within 12 hours of birth at the delivery hospital (refer to the table below)





	Infant birth weight ≥ 2000 grams		Infant birth weight < 2000 grams	
	<u>Single</u> <u>antigen</u>	<u>Combination</u>	Single antigen	<u>Combination</u>
Birth dose (within 12 hrs of birth)	1 <sup>st</sup> dose of hepatitis B vaccine* + hepatitis B immune globulin (administer in separate limbs) *1 <sup>st</sup> dose is always single antigen vaccine and not a combination vaccine			
1 months	_ nd		2 <sup>nd</sup> dose	
2 months	2 <sup>nd</sup> dose	2 <sup>nd</sup> dose	3 <sup>rd</sup> dose (between 2-	2 <sup>nd</sup> dose
4 months		3 <sup>rd</sup> dose	3 months)	3 <sup>rd</sup> dose
6 months	3 <sup>rd</sup> dose	4 <sup>th</sup> dose	4 <sup>th</sup> dose	4 <sup>th</sup> dose

- **Administration** and **documentation** of hepatitis B vaccines
  - Send us child's current immunization record after every hepatitis B vaccine administration
- Complete post-vaccine serology testing (PVST) once the following criteria are met:
  - Child has completed 3-4 dose hepatitis B vaccine series
  - Child is at least 9 months old and last dose of hepatitis B vaccine was 1 to 2 months ago
  - PVST includes hepatitis B surface antigen (HBsAg) AND hepatitis B surface antibody quantitative (anti-HBs)
  - Once results are available, please send us a fax or encrypted email with the infant's lab

Email: PHS-PerinatalHepB.HHSA@sdcounty.ca.gov







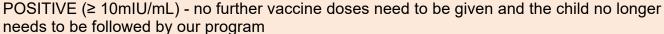
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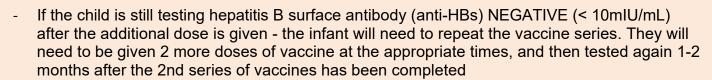
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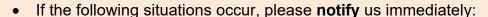
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#### **Frequently Asked Questions:**

- Interpretation of PVST Results:
  - Hepatitis B surface antigen (HBsAg) negative and hepatitis B surface antibody (anti-HBs) positive
     (≥ 10mIU/mL) no further action needed, infant is not infected and immune
  - Hepatitis B surface antigen (HBsAg) positive notify our program as soon as possible by calling 866-358-2966 option 5 and ensure child is referred to a specialist for further follow up
  - Hepatitis B surface antigen (HBsAg) NEGATIVE and hepatitis B surface antibody (anti-HBs) NEGATIVE (< 10mIU/mL) - the child will need an additional dose or doses of hepatitis B vaccine
    - First, provide the infant an additional dose of hepatitis B vaccine. The infant should be retested for hepatitis B surface antibody (anti-HBs) again,1-2 months after the additional dose was administered. If the results come back







- The mother refused PEP or vaccination
- The infant is not receiving timely or regular care

#### Please note:

- PVST should **NOT** be completed too early
  - If completed before 9 months of age or before 1 month has passed since last dose was administered, the child may have a false negative hepatitis B surface antigen (HBsAg) lab because of receiving HBIG
  - Hepatitis B surface antibody (anti-HBs) may be falsely positive due to maternal antibodies and HBIG
- Hepatitis B surface antibody (anti-HBs) levels are time sensitive and should be collected within 1 year
  of life due to rapidly declining antibody level detection









