



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)
- **Review** and **educate** parents on Hepatitis B vaccine schedule
(Follow the guidelines below for children born to Hepatitis B positive mothers)



	Infant birth weight \geq 2000 grams		Infant birth weight < 2000 grams	
	<u>Single antigen</u>	<u>Combination</u>	<u>Single antigen</u>	<u>Combination</u>
Birth dose (within 12 hrs of birth)	1 st dose of Hepatitis B vaccine* + Hepatitis B Immune Globulin (administer in separate limbs) *1 st dose is always single antigen vaccine and not a combination vaccine			
1 months	2 nd dose		2 nd dose	
2 months		2 nd dose	3 rd dose (between 2-3 months)	2 nd dose
4 months		3 rd dose		3 rd dose
6 months	3 rd dose	4 th dose	4 th dose	4 th 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 reports**



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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 ($\geq 10\text{mIU/mL}$) - 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** ($< 10\text{mIU/mL}$) - 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 **POSITIVE** ($\geq 10\text{mIU/mL}$) - no further vaccine doses need to be given and the child no longer needs to be followed by our program
 - If the child is still testing Hepatitis B surface antibody (anti-HBs) **NEGATIVE** ($< 10\text{mIU/mL}$) after the additional dose is given - the infant will need to repeat the vaccine series. They will need to be given 2 more doses of vaccine at the appropriate times, and then tested again 1-2 months after the 2nd series of vaccines has been completed
- If the following situations occur, please **notify** us immediately:
 - ♦ 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



Scan the code to learn more.