

County of San Diego Perinatal Hepatitis B Prevention Program Pediatrician Information Sheet

4/2024

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 ≥ 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 nd dose	2 nd dose
2 months			3 rd dose (between 2-3 months)	
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**



Contact Us

Phone: 866-358-2966 Option 5 and Fax: 619-692-567

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

Website: <https://t.ly/PHBPP-SanDiego>



Scan the code to learn more.



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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



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