

What Family Practice Providers Need to Know

Disease Burden

Worldwide:

- 296 million people chronically infected with hepatitis B virus (HBV)¹
- 6 million children chronically infected with HBV¹

United States:

- 880,000 – 2.2 million people chronically infected with HBV¹
- 21,000 hepatitis B surface antigen-positive (HBsAg-positive) pregnant persons are expected to give birth annually².
- 7,500 infants will be infected with HBV annually without the appropriate post-exposure prophylaxis to prevent perinatal HBV infection².

Michigan:

- **276 - 426** infants born to HBsAg-positive childbearing persons should be identified annual³.
- **ONLY – 42%** of the estimated number of infants born to HBsAg-positive childbearing persons were identified⁴.

Prevention of perinatal hepatitis B transmission requires the coordinated transfer of information between laboratories, primary care providers, hospitals, and the local/state health departments to ensure:

- Pregnant persons are screened for HBsAg (**for every pregnancy, regardless of previous test results or vaccination history**) and results are forwarded to delivery hospital and local health department (LHD) in the county where the patient resides.
- Household and sexual contacts of HBsAg-positive pregnant persons are identified, tested, and immunized if susceptible.
- Infants of HBsAg-positive childbearing persons receive appropriate prophylaxis and post-vaccination serology.

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

¹Centers for Disease Control and Prevention (CDC) Hepatitis B FAQs for the Public – 2023 <http://www.cdc.gov/hepatitis/B/bFAQ.htm>

²Manual for Surveillance of Vaccine-Preventable Diseases (March 2020) <http://www.cdc.gov/vaccines/pubs/surv-manual/chpt04-hepb.html>

³Centers for Disease Control & Prevention (CDC) Point Estimates – (2020 data)

⁴Michigan's Perinatal Hepatitis B Prevention Program Annual CDC Report – (2021)