

# Overview: What Family Practice Providers Need to Know

## Disease Burden

### Worldwide:

- 240 million people chronically infected with hepatitis B virus (HBV)<sup>1</sup>
- 786,000 die due to HBV related liver disease<sup>1</sup>

### United States:

- 800,000 – 2.2 million people chronically infected with HBV<sup>1</sup>
- 1,800 people die due to HBV related liver disease<sup>1</sup>
- 24,000 hepatitis B surface antigen-positive (HBsAg-positive) women are expected to give birth yearly<sup>2</sup>
- 12,000 infants and children will be infected with HBV annually without the appropriate post-exposure prophylaxis to prevent perinatal HBV infection<sup>2</sup>

### Michigan:

- **355 - 553** infants born to HBsAg-positive women should be identified annually<sup>3</sup>
- **ONLY - 53%** of the estimated number of births to HBsAg-positive women were identified<sup>4</sup>

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

If you have any questions, please call the PHBPP at 517-284-4893 or 800-964-4487. In southeast Michigan, call 313-456-4431 or 313-456-4432.

<sup>1</sup> Centers for Disease Control and Prevention (CDC) Hepatitis B FAQs for the Public – 2016 <http://www.cdc.gov/hepatitis/B/bFAQO.htm>

<sup>2</sup> Surveillance of Vaccine-Preventable Diseases Manual (April 1, 2014) <http://www.cdc.gov/vaccines/pubs/surv-manual/chpt04-hepb.html>

<sup>3</sup> Centers for Disease Control & Prevention (CDC) Point Estimates – 2016 (2014 data)

<sup>4</sup> Michigan's Perinatal Hepatitis B Prevention Program Annual CDC Report – 2016 (2014 data)