

Overview: What Obstetricians-Gynecologists Need to Know

Disease Burden

United States:

- 850,000-2.2 million people chronically infected with hepatitis B virus (HBV)¹
- 25-45 year olds have the highest rates of acute HBV infection²
- 24,000 hepatitis B surface antigen-positive (HBsAg-positive) women are expected to give birth yearly³
- 12,000 infants and children would be infected with HBV annually, without post-exposure prophylaxis to prevent perinatal HBV infection³
- 40% of estimated HBsAg-positive pregnant women are not being identified⁴

Michigan:

- **355-553** infants born to HBsAg-positive women should be identified annually⁴
- **47%** of estimated number of HBsAg-positive pregnant women are **NOT** being identified⁴

Prevention

Prenatal care providers need to:

- **TEST** every pregnant woman during every pregnancy for HBsAg (**even if they have been previously vaccinated or tested, including women previously identified as chronically infected**)
- **INFORM** pregnant women of HBsAg status
- **FORWARD** prenatal HBsAg test results, for this pregnancy to delivery hospital

If the patient is HBsAg-positive:

- **REPORT** every positive HBsAg-positive result to the local health department (LHD) within 24 hours (**including women who have been previously reported due to chronic infection**)
 - MI law requires ordering physicians **AND** labs to report HBsAg-positive results to the LHD, and
 - **Pregnancy status**, if available
- **COUNSEL** and provide or refer for medical evaluation and case management

If the patient is HBsAg-negative:

- **ASSESS** risk for HBV infection
- **COUNSEL** and provide transmission and prevention education
- **RETEST** during last trimester if high risk
- **VACCINATE** if high risk

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.

¹ Centers for Disease Control and Prevention (CDC) FAQs for the Public (05/23/16) -<https://www.cdc.gov/hepatitis/hbv/bfaq.htm>

² A Comprehensive Immunization Strategy to Eliminate Transmission of HBV Infection in the U.S., December 2006
<http://www.cdc.gov/mmwr/PDF/rr/rr5516.pdf>

³ Manual for the Surveillance of Vaccine-Preventable Diseases (April 1, 2014) <http://www.cdc.gov/vaccines/pubs/surv-manual/chpt04-hepb.html>

⁴ Centers for Disease Control & Prevention (CDC) Point Estimates