Procedures to Prevent Perinatal Hepatitis B Virus Transmission at Delivery

Maternal Surface Antigen (HBsAg) Test Results AVAILABLE

Woman presents for delivery

- HBsAg
- Maternal HBsAg results

• Place copy of woman’s original HBsAg lab report in:
  - Woman’s labor and delivery chart
  - Infant’s hospital record
• Alert nursery staff that infant needs HepB and HBIG vaccine within 12 hours of birth
• Administer HepB and HBIG vaccine to infant within 12 hours of birth or as soon as possible thereafter
• Alert pediatric provider (if known)
• Alert public health department perinatal hepatitis B coordinator
• Report results in Immunization Registry

- HBsAg
- Maternal HBsAg results

See perinatal algorithm results for unavailable at birth

- HBsAg
- Maternal HBsAg results

Retest HBsAg

Yes
- HBV risk factor present?

Yes
- Risk Factors:
  - ≥ 2 sex partners in previous 6 months
  - STD
  - Injection drug use
  - HBsAg+ partner
  - Clinical hepatitis

No

Resources available at www.CDC.gov/hepatitis/perinatalHepB

Follow-up with public health department perinatal hepatitis B coordinator

Baby weighs less than 2000g

Yes
- Administer another dose of HepB vaccine one month after birth
  Note: Birth dose does not count toward vaccine series

No
- Follow recommended HepB vaccination schedule

Discharge Instructions:

- Provide woman with infant’s immunization record
- Emphasize importance of bringing record to pediatric provider at each visit
- Educate woman about importance of completing infant’s vaccine series

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Maternal Surface Antigen (HBsAg) Test Results **UNAVAILABLE** at admission or from retesting at delivery

Maternal HBsAg status unknown at infant’s birth

- Administer first dose of HepB vaccine and HBIG within 12 hours of birth or as soon as possible thereafter

  - Baby weighs less than 2000g
    - Yes
    - Administer first dose of HepB vaccine within 12 hours of birth or as soon as possible thereafter
  - No
    - Administer first dose of HepB vaccine within 12 hours of birth or as soon as possible thereafter

Once Results Available

Maternal HBsAg results

- Positive
  - Administer another dose of HepB vaccine one month after birth
    - Note: Birth dose does not count towards vaccine series
  - Alert pediatric provider (if known)
  - Alert public health department perinatal hepatitis B coordinator
  - Follow recommended HepB vaccination schedule
  - Place copy of original HBsAg lab report in:
    - Woman’s labor and delivery chart
    - Infant’s hospital record

- Negative
  - Administer HBIG as soon as possible (no later than 7 days)
  - Record date and time in infant’s medical record
  - Alert pediatric provider (if known)
  - Alert public health department perinatal hepatitis B coordinator
  - Follow recommended HepB vaccination schedule

Discharge Instructions:

- Provide woman with infant’s immunization record
- Emphasize importance of bringing record to pediatric provider at each visit
- Educate woman about importance of completing infant’s vaccine series

Resources available at www.CDC.gov/hepatitis/perinatalHepB