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 in separate limbs 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
    - **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
      - Follow up with perinatal hepatitis B coordinator*
  - **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 in separate limbs 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
    - **See perinatal algorithm results for unavailable at birth**
      - Yes: HBV risk factor present?
        - +: Risk Factors:
          - ≥ 2 sex partners in previous 6 months
          - STD
          - Injection drug use
          - HBsAg+ partner
          - Clinical hepatitis
          - Retest HBsAg
        - -: 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
        - 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
      - Yes: Baby weighs less than 2000g
        - Yes: Administer first dose of HepB vaccine at hospital discharge or one month after birth
        - No: Administer first dose of HepB vaccine within 24 hours of birth
      - No: Follow recommended HepB vaccination schedule

*Perinatal Hepatitis B Prevention Program coordinator list: https://www.cdc.gov/vaccines/vpd/hepb/hcp/perinatal-contacts.html

https://www.cdc.gov/hepatitis/hbv/perinatalxmtn.htm

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