

# Taranaki protocol for management of babies born to HBsAg mothers

Screen all women early in pregnancy for Hepatitis B surface antigen (if no screening, refer to Taranaki DHB management of maternal Hepatitis B status and neonatal vaccination and immunoglobulin protocol)

HBsAg negative – no further action is required

Assess mother for level of infectivity - see TDHB policy "Hepatitis B in pregnancy"

- Lead maternity carer
- National Immunisation Register
- Immunisation coordinator
- General practitioner
- Medical Officer of Health

For additional information see the current Immunisation Handbook

HBsAg Positive

- Lead maternity carer to give the baby (within 12 hours):**
- Hepatitis B immunoglobulin 100IU IM into the right thigh
  - Hepatitis B vaccine 5µg IM to the left thigh
  - Baby to be bathed on birthing suite prior to transfer home or to Postnatal ward
  - Record in Well Child book

- Lead maternity carer actions:**
- Complete a Ministry of Health Hepatitis B consent form (code 1446)
    - This form must be onsite at birth location
    - White copy for maternity notes
    - Yellow copy to Medical Officer of Health
    - Green copy to patients GP
    - Copy to National Immunisation Register via secure email
  - Remind the mother of the importance of follow-up Hepatitis B immunisations and **nine** month blood test

- GP actions:**
- Baby to receive usual national schedule immunisations at six weeks, three months and five months AND
  - Blood test form for Hepatitis B given to the parent/caregiver (emphasise importance of this test being completed) at 9 months
  - On the form for Hepatitis B serology request copy to Medical Officer of Health

Antenatal screen received by Public Health from Medlab /Base lab

- Immunisation Coordinator to:**
- Follow up with midwife for support with process and documents. Ascertain estimated date of delivery (set electronic alert after one month after EDD)
  - Enter data to hepatitis spreadsheet
  - Follow up with midwife if one month overdue and Ministry of Health Hepatitis B notification form not received

- Lead maternity carer during the antenatal period should:**
- Advise and discuss result with woman (and partner)
  - Record results in patients notes, and advise other carers eg, GP or midwife
  - Check immunisation status of family members and/or sexual partners and advise to contact their GP for management
  - Consent for baby to receive Hepatitis B vaccine and Hepatitis B immunoglobulin
  - Complete notification to Medical Officer of Health following delivery

- National Immunisation Register actions**
- Consent form received from midwife
  - Enter details onto the National Immunisation Register
  - Forward consent form to Immunisation Coordinator

- Immunisation Coordinator actions**
- Enters details to Hep B spreadsheet
  - Run overdue serology report from the NIR
  - Check immunisation events monthly record to the HepB spreadsheet (6wk, 3 m, 5 m)

**GP Actions:**

If blood test is declined the degree of protection conferred by the immunisations would be unknown. As the rate of infection in these circumstances is so high the risks need to be explained by the GP. If there is still no consent the family should be counselled as though the child were a carrier and the management/implications of that condition explained.

Blood Test declined

Blood Test Completed

Yes

No

**GP actions and follow up**  
Protection: > 10 IU/ml  
Test results loaded into PMS

Protected

No further action

**Immunisation Coordinator**  
Enter serology details to NIR -update HepB spreadsheet (no further action)

**Immunisation Coordinator**  
3 x mthly overdue serology reports  
Email overdue reports to GP

Unprotected: ≤10mIU/ml  
Test results loaded into PMS

3 months overdue

**Immunisation Coordinator**  
Contact Practice Nurse

Administer further Hepatitis B vaccine (up to three doses) and repeat serology 4 weeks after each vaccination, as per current Immunisation Handbook

5 months overdue

**Medical Officer of Health**  
Contact caregiver

- Test results loaded into Patient Management and National Immunisation Register
- Parents advised of result
- If still unprotected discuss with Medical Officer of Health

6 months overdue

**Decline**  
No further action

**Non Responder**

Baby does not present for Hepatitis B and/or blood test

7 months overdue

**Medical Officer of Health**  
Letter and lab form to caregiver

**Non Responder**  
no further action – advise NIR

If you have any questions about any elements of management contact the Medical Officer of Health 06 7537 798 or Immunisation Coordinator 06 7537 702