

Community Pathway for Hepatitis B Vaccination and Serology for Contacts of Cases



HPT – HSCP/CTACs – GP - RIDU

This pathway is for the identification and management of contacts of a confirmed case of acute or chronic hepatitis B.

Notification to Lothian Health Protection Team (HPT):

- Index case **within** NHS Lothian – Lothian HPT will identify contacts and assess eligibility for immunoglobulin, vaccine and serology. If any contacts are outwith NHS Lothian, Lothian HPT will notify the HPT within the contacts Board of residence or PHS if contact lives outwith UK
- Index case **outwith** NHS Lothian – HPT from the cases board of residence should notify Lothian HPT of contacts within our board, notification of contacts may also come through PHS

Assessment for immunoglobulin:

- Lothian HPT will identify contacts and assess eligibility for immunoglobulin, these cases are rare
- If patient requires immunoglobulin HPT will contact RIDU and arrange for the patient to attend for immunoglobulin, 1st dose of vaccination and initial hepatitis B (hep B) serology screen.
- Patient will require referral to HSCP/CTAC for completion of the hep B vaccination schedule and for follow up hep B serology screen in 3 months

Assessment for vaccine and serology:

- Lothian HPT will identify contacts and assess eligibility for vaccine and need for serology
- Patients who are eligible for vaccination will be referred by HPT (on behalf of the GP) to HSCP/CTACs via the Unscheduled Vaccination Clinical Referral form. This form will include the request for initial hep B serology screen at 1st appointment and for a follow-up serology appointment 3 months later.
- HPT will complete the referral form to HSCP/CTACs on behalf of the GP as the serology results will need to back to the GPs for clinical oversight and to be added to the patient's notes
- HPT will email the GP clinical mailbox to advise that their patient/s has been referred for hep B vaccination/serology as a contact of a confirmed case of hep B and to look out for serology results in the next 2-3 weeks
- GP will check for patient's serology results and contact the patient if the result is positive for acute, chronic or previously cleared hep B infection, to inform them of the diagnosis and advise them to cancel their appointments for hep B vaccination and serology with the HSCP/CTACs as no further hep B vaccines are required
- GP should refer any patient with acute or chronic hep B result to RIDU or GI. Patients with a previously cleared hep B infection do not require any further follow-up

Serology requests

- Serology for hep B screen will be taken by HSCP/CTACs at initial appointment and again 3 months later as a follow up sample

- The test to request is anti-HBc (antibody to hepatitis B core), if this returns positive virology will automatically test for the other hep B markers to confirm if the patient has acute, chronic or previously cleared hep B infection
- Serology results will go to the patient's GP

Vaccine information:

- Brand name: Engerix B® or HBvaxPRO®
- Preparation:
 - Engerix B® 20mcg/1ml vial or pre-filled syringe; or 10mcg/0.5ml (paediatric) pre-filled syringe (adsorbed on aluminium hydroxide)
 - HBvaxPRO® 10mcg/1ml vial or pre-filled syringe; or 5mcg/0.5ml pre-filled syringe (adsorbed on aluminium hydroxyphosphate sulphate)
- Method of administration: Intramuscular injection to the deltoid region or antero-lateral thigh
- Schedule: Accelerated schedule – 0, 1, 2 & 12 months

Vaccine administration:

- The vaccine will be administered by HSCP/CTACs via a [Patient Group Direction \(PGD\)](#)

Immunoglobulin access and administration:

- Immunoglobulin will be administered by RIDU
- Immunoglobulin will be accessed via hospital pharmacy by RIDU
- Patients should also have initial hep B serology taken and the 1st dose of hepatitis B vaccine given at this appointment

Contact information:

- Lothian HPT: 0300 790 6264 or health.protection@nhslothian.scot.nhs.uk
- Midlothian: loth.midlothianctacreferrals@nhslothian.scot.nhs.uk
- West Lothian: loth.wlhscpvaccinationenquiry@nhslothian.scot.nhs.uk
- East Lothian: loth.ELVaccinationenquiry@nhslothian.scot.nhs.uk
- Edinburgh – Adult: loth.ehscp-ctac-vaccinationreferrals@nhslothian.scot.nhs.uk
- Edinburgh - Children 0-5: loth.edinburghvaccinationteam@nhslothian.scot.nhs.uk
- Edinburgh - Children 6-18: loth.ehscp-ctac-vaccinationreferrals@nhslothian.scot.nhs.uk

Guidance:

Green Book: [Hepatitis B: the green book, chapter 18](#)

Patient Group Direction for Hepatitis B: [Hepatitis B PGD 066P](#)

Summary of Product Characteristics for [Engerix B®](#) and [HBvaxPRO®](#)

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