Hepatitis A

Vaccines available for purchase – Avaxim®, Havrix®, Engerix®

Evidence of immunity
- Serology is not routinely recommended.
- Administer two vaccine doses 6–12 months apart.

Hepatitis B

Vaccine available for purchase – Engerix®-B

Evidence of immunity

Check immunisation records.
- If a complete age-appropriate course of hepatitis B vaccines is documented, check anti-HBs serology.
  - An anti-HBs level of ≥10 IU/L at any time is evidence of long term immunity, even if antibodies have subsequently waned.
- If an incomplete age-appropriate course of hepatitis B is documented, administer the required number of doses to complete a primary course of three documented hepatitis B vaccinations with a minimum of one month between each of the doses. Check anti-HBs serology one month after the final vaccine dose.
- If there are no documented hepatitis B vaccine doses, even if the person is sure they “had them in the past”, do not undertake serology. Administer a primary course of three documented hepatitis B vaccinations with a minimum of one month between each of the doses. Check anti-HBs serology one month after the final vaccine dose.

#Note: Protection ‘as soon as possible’ is important to reduce occupational risk. Administration of three hepatitis B vaccine doses using the shorter intervals of 0, 1, and 2 months, i.e. a one month interval between each dose, leads to equivalent seroconversion of ≥10 IU/L as when the intervals of 0, 1, and 6 months are used.

Interpretation of serology and responses

After completion of three documented hepatitis B vaccine doses:
- Anti-HBs levels <10 IU/L: Administer one dose of hepatitis B vaccine and repeat serology one month later.
  - If repeat serology is <10 IU/L, administer two more doses of hepatitis B vaccine one month apart to complete a second course of three hepatitis B vaccine doses. Repeat serology one month after the final dose.
  - If anti-HBs levels <10 IU/L following a second full course of hepatitis B vaccine, the person should be considered a vaccine non-responder. Telephone 0800 IMMUNE to discuss further options.

Hepatitis A & B

Vaccine available for purchase – Twinrix®

- Twinrix® is an alternative to the monovalent hepatitis A and hepatitis B vaccines and can be considered when vaccination against both diseases is required.
- Completion of the primary course of Twinrix® and protection against hepatitis A and hepatitis B takes longer than when separate monovalent hepatitis A and hepatitis B vaccines are used.
- Administer three doses at 0, 1, and 6 months.
- Twinrix® doses are NOT interchangeable with Avaxim®, Havrix®, Engerix®-B, or HBvaxPRO® doses. Neither one dose of Twinrix® and two doses of Engerix®-B, nor two doses of Twinrix® and one dose of Engerix®-B provide a complete primary course of hepatitis A vaccines.

Influenza

Vaccines available for purchase – FluQuadri™, Fluvax®, Influvac®, Vaxigrip®

- Annual influenza vaccine dose.
- Only Influvac® would be funded if the adult meets any one of the Influenza Immunisation Programme eligibility criteria.

Pertussis

Vaccines available for purchase – Adacel®, Boostrix®

- Single booster dose of Tdap every 10 years.

Polio

Vaccine available – IPOL®

- Three documented doses are funded for unimmunised adults.
  - The vaccine can be administered by a vaccinator authorised to administer National Immunisation Schedule vaccines without an individual prescription or standing order.
  - Booster doses are not funded and must be purchased.

Measles, mumps, rubella

Vaccine available – M-M-R® II, Priorix®

- Two documented doses are funded for unimmunised adults.
  - The vaccine can be administered by a vaccinator authorised to administer National Immunisation Schedule vaccines without an individual prescription or standing order.

Evidence of immunity for measles, mumps and rubella

- Serology is not required.
- Documented administration of two doses of MMR vaccine, or
- Laboratory evidence of immunity or laboratory confirmation of disease.

#Note: Adults born in New Zealand before 1969 are considered immune to measles and do not require any other evidence of immunity against measles.

Continued...
Tetanus/diphtheria
Vaccine available – ADT™ Booster

- Three documented doses are funded for unimmunised adults. The vaccine can be administered by a vaccinator authorised to administer National Immunisation Schedule vaccines without an individual prescription or standing order.
- Booster doses are not funded and must be purchased.

Tuberculosis

- BCG vaccination is not indicated for adults as most are at comparatively low risk of occupationally acquired TB.
- Staff should undergo baseline screening with a risk assessment questionnaire and either two-step Tuberculin Skin Testing (TST/ Mantoux test) or an interferon gamma release assay (IGRA, QuantiFERON-TB Gold assay) when starting employment.

Varicella
Vaccines available for purchase – Varilrix®

Evidence of immunity

- A good history of previous varicella infection, or
- Diagnosis or verification of a history of herpes zoster by a health professional, or
- Documented administration of two doses of varicella vaccine, or
- Laboratory evidence of immunity or laboratory confirmation of disease.

References