

NSW Health Hepatitis B Student Compliance Requirements

Primary Vaccine Course & Testing

<p>Adult Hepatitis B vaccination course (≥20 years of age) 3 x doses of <u>adult</u> hepatitis B vaccine</p> <p>OR</p> <p>Childhood Hepatitis B vaccination course (<20 years of age) 3 or 4 x doses of <u>pediatric</u> hepatitis B vaccine</p> <p>OR</p> <p>Adolescent Hepatitis B vaccination course (11-15 years) 2 x doses of <u>adult</u> hepatitis B vaccine</p>	<p>Adult & Childhood Vaccination Dose Schedule</p> <ul style="list-style-type: none"> 1st dose: day 0 (day of vaccination) 2nd dose: minimum of 1 month after 1st dose 3rd dose: minimum of 4 months after 1st dose <p>OR</p> <ul style="list-style-type: none"> 1st dose: day 0 (day of vaccination) 2nd dose: minimum of 2 months after 1st dose 3rd dose: minimum of 4 months after 1st dose <p>Adolescent Vaccination Dose Schedule</p> <ul style="list-style-type: none"> 1st dose: day 0 (day of vaccination) 2nd dose: 6 months after 1st dose <p>NOTE: accelerated courses are NOT acceptable</p>
<p>Serology (blood test)</p> <p>Hepatitis B surface antibody (HBsAB)</p>	<ul style="list-style-type: none"> Must be done a minimum of 1 month after final dose of primary vaccine course If serology shows HBsAB level <10 mIU/ML proceed with Hepatitis B non-responder pathway

NOTE: Where vaccination has already been completed but all attempts to obtain documentary evidence of vaccination fail, a verbal history plus serology plus a completed Hepatitis B Statutory Declaration (Attachment 9) are acceptable. The assessor must be satisfied that a reliable history has been provided, and the risks of providing a false declaration or providing a verbal vaccination history based on recall must be explained.

Hepatitis B Non-Responder Pathway

<p>Step 1: first additional Hepatitis B dose</p>	<ul style="list-style-type: none"> Must be adult dose Sometimes called 1st booster dose, or Dose 4
<p>Step 2: serology (blood test)</p> <p>Hepatitis B surface antibody (HBsAB) Hepatitis B surface antigen (HBsAg) Hepatitis B core antibody (HBc)</p>	<ul style="list-style-type: none"> Must be done a minimum of 1 month after first additional dose <p>Result: HBsAB/anti-HBs level ≥10 mIU/ML, & negative HBsAg/anti-HBc = Immune due to vaccination = no further action</p> <p>Result: HBsAB/anti-HBs level ≥10 mIU/ML & positive anti-HBc & negative HBsAg = Immune due to natural infection = no further action</p> <p>Result: HBsAB/anti-HBs level <10 mIU/ML & positive HBsAg/anti-HBc = chronic or acute infection = manage as per Australian National Guidelines for the Management of Health Care Workers Known to be infected with Blood Borne Viruses, including risk counselling</p> <p>Result: HBsAB/anti-HBs level <10 mIU/ML, & negative HBsAg/anti-HBc = susceptible = proceed with Steps 3-5</p>
<p>Step 3: second additional Hepatitis B dose</p>	<ul style="list-style-type: none"> Must be adult dose Must be done a minimum of 1 month after first additional dose Sometimes called 2nd booster dose, or Dose 5
<p>Step 4: third additional Hepatitis B dose</p>	<ul style="list-style-type: none"> Must be adult dose Must be done a minimum of 1 month after second additional dose Sometimes called 3rd booster dose, or Dose 6
<p>Step 5: final Serology (blood test)</p> <p>Hepatitis B surface antibody (HBsAB)</p>	<ul style="list-style-type: none"> Must be done a minimum of 1 month after third additional dose If serology shows HBsAB level ≥10 mIU/ML, no further doses or testing required. If serology shows HBsAB level <10 mIU/ML, considered compliant as a vaccine non-responder = proceed with risk counselling

References:

https://www1.health.nsw.gov.au/pds/ActivePDSDocuments/PD2020_017.pdf

<https://immunisationhandbook.health.gov.au/vaccine-preventable-diseases/hepatitis-b#serological-testing-after-hepatitis-b-vaccination>