

## Management of Exposure to the Hepatitis B Virus

<b>Treatment of Exposed Person When:</b>			
<b>Vaccination and Antibody response status of exposed workers*</b>	<b>Source person is HBsAg-Positive</b>	<b>Source person is HBsAg-Negative</b>	<b>Source person is unknown or not available for testing</b>
<b>Exposed person is unvaccinated</b>	<b>HBIG x1*** and initiate HB vaccine series</b>	<b>Initiate HB vaccine series</b>	<b>Initiate HB vaccine series</b>
<b>Exposed person is a previously vaccinated known responder (adequate level of immunity <math>\geq 10</math> mIU/ml)</b>	<b>No treatment</b>	<b>No treatment</b>	<b>No treatment</b>
<b>Exposed person is a known non-responder (inadequate level of immunity <math>&lt; 10</math> mIU/ml)</b>	<b>HBIG x 1 plus initiate HB revaccination or HBIG x 2 ****</b>	<b>No treatment</b>	<b>If known high-risk source, treat as if source were HBsAg-positive.</b>
<b>Exposed person has antibody response unknown</b>	<b>Test exposed person for anti-HBs:</b>  <b>1. If adequate, no treatment.</b> <b>2. If inadequate, HBIG ***x1 plus HB vaccine booster dose.**</b>	<b>No treatment</b>	<b>Test exposed person for anti-HBs:</b>  <b>1. If adequate, no treatment</b> <b>2. If inadequate, initiate HB revaccination</b>

- \* 1. Persons who have previously been infected with HBV are immune to reinfection and do not need post-exposure prophylaxis
- \*\* 2. HB vaccine (Hepatitis B) dose 20 mcg/1ml, I.M. in deltoid; 1st dose within seven (7) days; 2nd dose in one (1) month; 3rd dose in six (6) months. If booster dose is indicated, give 1 cc of HB vaccine I.M. in deltoid.
- \*\*\* 3. HBIG (Hepatitis B immune Globulin) must be given within 24 hours, or as soon as possible within seven (7) days of exposure; HBIG dose is 0.06 ml/kg of body weight in gluteal site; if greater than 3 ml, divide dose and administer both right and left sites. Give the first dose initially and repeat the second dose in 30 days.
- \*\*\*\* 4. The option of giving one dose of HBIG and reinitiating the vaccine series is preferred for non-responders who have not completed a second 3 dose vaccine series. For persons who previously completed a second vaccine series, but failed to respond, two doses of HBIG are preferred.