

## Management of Exposure to the Hepatitis B Virus

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

\*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 30 days from 1st dose; 3rd dose in six months from 1<sup>st</sup> dose. 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 nonresponders 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.