

Hepatitis B Algorithm

Key:

HBV = Hepatitis B Vaccine

HBsAg = Hepatitis B Surface Antigen (indicates if infection present and if communicability of disease is possible)

HBsAb = Hepatitis B Surface Antibody (indicates if antibodies were acquired and if protection is present)

Instructions for using this algorithm:

1. Read the top row of the table for the source's status.
2. Match with the exposed individual status in the left hand column.

	Source has a documented HBsAg +	Source has a documented HBsAg -	Source's status is unknown
Exposed has not received HBV or Exposed received an incomplete series	Give to exposed: <ul style="list-style-type: none"> ▪ HBIG (0.06ml/kg) x 1 ▪ Start/continue HBV series ▪ Note: if the exposed does not start the HBV series, a second dose of HBIG (0.06ml/kg) should be administered one month later 	Give to exposed: <ul style="list-style-type: none"> ▪ Start/continue HBV series 	Give to exposed: <ul style="list-style-type: none"> ▪ HBIG (0.06ml/kg) x 1 ▪ Start/continue HBV series
Exposed received all 3 doses of HBV (and this is documented) but HBsAb titer is unknown	<ul style="list-style-type: none"> ▪ Test exposed for HBsAb titer, then: ↓ If the exposed's HBsAb is positive: <ul style="list-style-type: none"> ▪ No treatment 	<ul style="list-style-type: none"> ▪ Test exposed for HBsAb titer, then: ↓ If the exposed's HBsAb is positive: <ul style="list-style-type: none"> ▪ No treatment 	<ul style="list-style-type: none"> ▪ Test exposed for HbsAb titer, then: ↓ If the exposed's HBsAb is positive: <ul style="list-style-type: none"> ▪ No treatment
	If the exposed's HBsAb is negative <ul style="list-style-type: none"> ▪ HBIG (0.06ml/kg) x 1 ▪ HBV x 1 ▪ Recheck HBsAb titer after 30-60 days 	If the exposed's HBsAb is negative: <ul style="list-style-type: none"> ▪ HBV x 1 ▪ Recheck HBsAb titer after 30-60 days 	If the exposed's HBsAb is negative: <ul style="list-style-type: none"> ▪ HBV x 1 ▪ Recheck HbsAb titer after 30-60 days ✓
Exposed received HBV series and was determined to be a <u>nonresponder</u> (has received two complete HBV series and HBsAb titer has never converted to an immune level)	<ul style="list-style-type: none"> ▪ Give exposed HBIG (0.06ml/kg)x 1 now ▪ Give second dose of HBIG (0.06ml/kg) in one month ▪ If the person has failed only one hepatitis B vaccine series, the second option (HBIG (0.06ml/kg) x 1 and initiate revaccination) should be used. 	No treatment	<ul style="list-style-type: none"> ▪ Give the exposed HBIG (0.06ml/kg) x 1 now ▪ Give second dose of HBIG (0.06ml/kg) in one week ✓
Exposed individual received HBV series and HBsAb titer was documented as immune	No treatment	No treatment	No treatment