



## Hepatitis B Serology Interpretation for MDSS Entry/Closure of Cases

(Call your MDSS regional coordinator for additional information/guidance)

Test	Result	Interpretation
HBsAg and Anti-HBc IgM (if done)	<b>Positive</b> – with acute illness <b>and</b> either a) jaundice or b) elevated serum alanine aminotransferase (ALT) levels >100 IU/L	<b>CONFIRMED ACUTE</b>
HBsAg or HBeAg or HBV DNA	<b>Positive</b> – with a documented HBsAg (-) within 6 months prior to this positive test; and without presentation of symptoms.	<b>CONFIRMED ACUTE</b>
HBsAg or HBeAg or HBVDNA	Positive	<b>ACUTE OR CHRONIC</b> Call doc for more information/testing. If no additional information, close as a <b>PROBABLE CHRONIC</b>
HBsAg & Anti-HBs	Positive Negative	<b>ACUTE OR CHRONIC</b> Call doc for more information/testing. If no additional information, close as a <b>PROBABLE CHRONIC</b>
Anti-HBs	Positive	<b>NOT A CASE</b> Immune due to vaccination or previous exposure; no further testing is needed.
Anti-HBc IgM or Anti-HBc	Positive	<b>May be ACUTE.</b> Call doc for more information/testing. If no additional information/testing, close as <b>NOT A CASE</b>
HBsAg or HBeAg or HBV DNA (2 positive tests – more than 6 months apart)	Positive	<b>CONFIRMED CHRONIC</b>  -If first positive result was recorded as acute, second positive result is <b>CONFIRMED CHRONIC</b> ; if first positive result was recorded as chronic - second positive result is <b>CONFIRMED CHRONIC &amp; SUPERCEDED</b>  -If result is for a woman of childbearing age (10-60) verify pregnancy <b>AND</b> report to <b>Perinatal HepB Program</b> if pregnant.
If no additional information can be obtained, close the case as <b>COMPLETED</b> with a note regarding your efforts.		

### Case Status:

- **CONFIRMED** or **PROBABLE** are based on CDC case definition. **PROBABLE** is only used for **CHRONIC** cases.
- **NOT A CASE** is for a report that does not meet case definition and should not be counted.

### Investigation Status:

- **NEW** is for all incoming reports to MDSS.
- **ACTIVE** is for reports that are currently being investigated.
- **CANCELLED** is for reports that were made in error.
- **COMPLETED** is for all completed investigations.
- **COMPLETED – Follow-up** is used to update information on a previously completed investigation.
- **SUPERCEDED** is for reports that are deemed to be duplicates.