



Hepatitis B Serology Interpretation for MDSS Entry/Closure of Cases

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

Test	Result	Interpretation
HBsAg	Positive	PROBABLE ACUTE OR CHRONIC hepatitis B virus (HBV) infection. Call doc for additional information/testing.
HBsAg (2 positive tests – more than 6 months apart)	Positive	CONFIRMED CHRONIC HBV infection; If first HBsAg positive was acute, second is chronic; if both are chronic - second one is CONFIRMED & SUPERCEDED ; if woman of childbearing age (10-60) verify pregnancy prior to closing/report to Perinatal Hep B Program if pregnant.
HBsAg & Anti-HBs	Positive Negative	PROBABLE ACUTE OR CHRONIC HBV infection. Call doc for additional information/testing.
Anti-HBs	Positive	NOT A CASE Immune due to vaccination or previous exposure; no further testing is needed.
Anti-HBc IgM	Positive	PROBABLE ACUTE ; exposed to HBV within the last six months. Call doc for additional information/testing.
Anti-HBc	Positive	PROBABLE ACUTE, CHRONIC OR NOT A CASE ; Exposed to HBV recently or in the past. Call doc for additional information/testing
HBeAg	Positive	PROBABLE ACUTE OR CHRONIC ; Call doc for additional information/testing.
HBeAg (2 positive tests – more than 6 months apart)	Positive	CONFIRMED CHRONIC HBV infection.
HBV DNA	Positive	PROBABLE ACUTE OR CHRONIC ; Call doc for additional information/testing.
HBV DNA (2 positive tests – more than 6 months apart)	Positive	CONFIRMED CHRONIC HBV infection.

If no additional information can be obtained, close the case as **COMPLETED** with a note regarding your efforts.

Case Status:

- **CONFIRMED, PROBABLE, and SUSPECT** are based on CDC case definition.
- **NOT A CASE** is for a report that does not meet case definition and should not be counted.
- **UNKNOWN** is usually reserved for incoming reports because there isn't enough info to determine case status.

Investigation Status:

- **ACTIVE** is for reports that LHDs are currently conducting follow up on.
- **CANCELLED** is for reports that were made in error.
- **COMPLETED** is for all completed investigations; **COMPLETED-FOLLOW UP** is used to reopen a previously completed case for updating information. Cases must be in this status or **COMPLETED** to be reported to CDC.
- **NEW** is for all incoming reports to MDSS.
- **SUPERCEDED** is for reports that are deemed to be duplicates.

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