

# Hepatitis Serologies 101

Curriculum from CDC Department of Viral Hepatitis Resource Center

For each of the following cases, choose the correct diagnoses and all appropriate interventions.

## \*\* Case 1

45 yo male presents with fatigue, n/v, jaundice and tender liver edge on exam. Sxs for 2-3 weeks. One male sex partner 3-4 months ago.

IgM anti-HAV	negative
HepBs Ag	positive
IgM anti HBc	positive
Anti-HCV	negative

**Diagnosis:**

**Interventions:**

## \*\* Case 2

35 yo sex partner of pt in case 1. Asymptomatic with normal exam. Contacted by DPH for testing.

Total anti-HAV	negative
HepBs Ag	positive
Total anti HBc	positive

**Diagnosis:**

**Interventions:**

## Diagnoses

Acute Hepatitis A

Previous Hep A vaccination or exposure

Acute Hepatitis B

Chronic Hepatitis B

Previous Hep B vaccination or exposure

Acute Hepatitis C

Chronic Hepatitis C

## Possible Interventions

Vaccinate for Hep A

Vaccinate for Hep B

Notify DPH

Inform possible contacts

Evaluate for chronic liver dx



**\*\* Case 3**

32 yo female with chronic IVDU presents with a positive pregnancy test. Feeling well.

Total anti-HAV	negative
HepBs Ag	negative
Total anti HBc	positive
Anti-HCV	positive

**Diagnosis:**

**Interventions:**

**\*\* Case 4**

35 yo Asian female presents with n/v and dark urine for 1 week. Jaundice and RUQ pain on exam. Travel to Mexico one month earlier.

IgM anti-HAV	positive
HepBs Ag	negative
IgM anti HBc	negative
Anti-HCV	negative

**Diagnosis:**

**Interventions:**

**\*\* Case 5**

45 yo male with PMH IVDU presents with abdominal pain, jaundice and confusion. Exam with track marks bilaterally.

IgM anti-HAV	negative
Total anti-HAV	positive
HepBs Ag	positive
IgM anti HBc	positive
Anti-HCV	positive
HCV RNA	positive

**Diagnosis:**

**Interventions:**

**\*\* Case 6**

24 yo Asian male presents with fatigue and malaise. His PCP checks an acute Hepatitis panel.

IgM anti-HAV	negative
HepBs Ag	negative
IgM anti HBc	negative
Anti-HCV	positive
ALT	1500

**Diagnosis:**

**Interventions:**