Your patients with **hepatitis B virus (HBV)** may be living with **hepatitis delta virus (HDV)**.[1]

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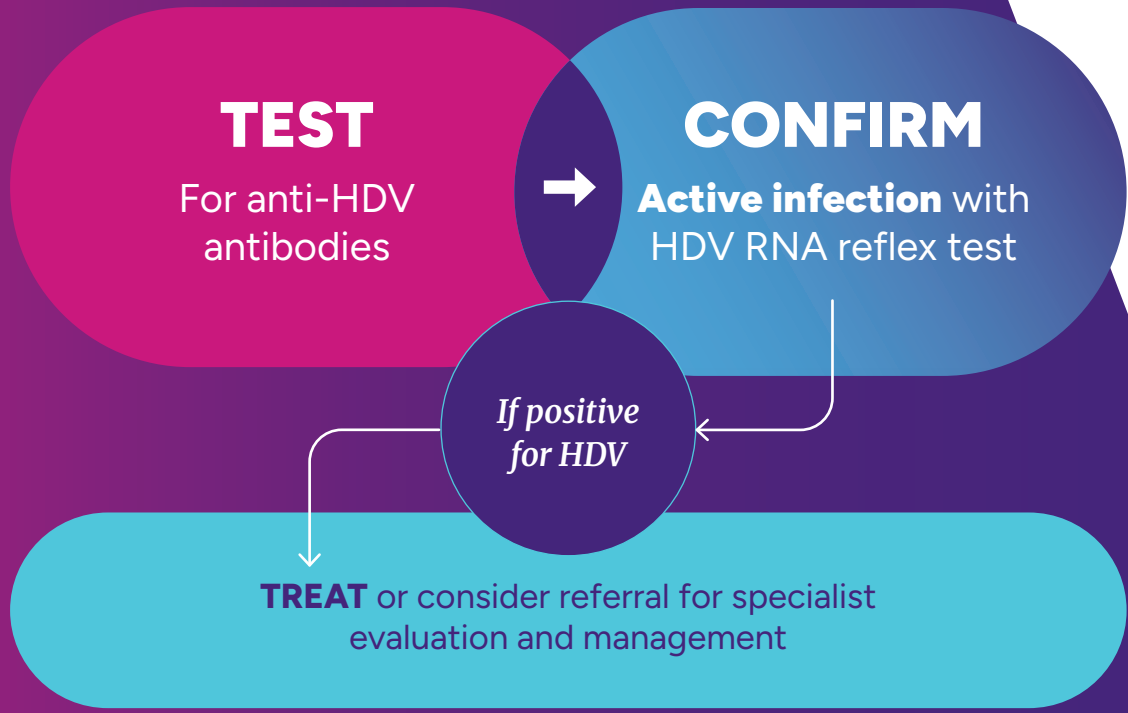


Actor portrayal

Don’t let it go undetected

Early detection matters[2,3]

All patients who are positive for HBsAg (HBsAg+) **should be tested for HDV**[4-6]



New treatment options are available[7]

HDV reflex testing in all patients who are HBsAg+ resulted in **5X increase in HDV diagnoses** vs risk-based care[8]

Universal reflex testing is available through major US reference labs[9-13]

HDV **REFLEX** testing

Test codes	CPT codes for billing
Labcorp: 550672 and 144012	86692 (Anti-HDV antibody)
Quest Diagnostics: 37231	*If reflexed,* add 87523 (HDV RNA)
ARUP: 3006379	
Mayo Clinic: AHDV	

Once the tests below are ordered, patients who are HBsAg+ are double reflexed for HDV, using the same specimen. Double reflex testing is available at Labcorp and ARUP.[14,15]

HBV/HDV **DOUBLE REFLEX** testing

Test codes	CPT codes for billing
Labcorp: 006514	87340
ARUP: 3018776	*If reflexed,* add 87341, 86692, 87523

The American Gastroenterological Association (AGA) and the Chronic Liver Disease Foundation (CLDF) both recommend universal HDV screening for all patients who test positive for HBsAg.[16,17]

Interpreting HDV test results[13]

Anti-HDV antibodies indicate exposure to HDV

HDV Antibody Testing

NEGATIVE Confirms **NO** past exposure to HDV

→ **NEGATIVE** results do not rule out infection during early phase or in immunocompromised patients

EQUIVOCAL Indicates **BORDERLINE** level of total antibodies detected

→ **REPEAT TEST** to confirm status

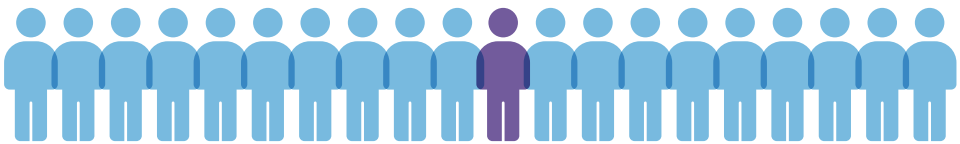
POSITIVE Indicates acute, chronic, or resolved **HDV infection**

→ A **POSITIVE** anti-HDV antibody test result is **REFLEXED** to HDV RNA testing

HDV RNA Testing[18]

NEGATIVE:
HDV-resolved or false-positive anti-HDV antibody test

DETECTED OR QUANTIFIABLE
active HDV; diagnose and treat



In the United States, 1 in 20 patients with HBV may test positive for HDV[1]

If HBV is confirmed, **HDV may be present too**

HDV requires HBsAg to infect and replicate[19]

Chronic hepatitis delta (CHD) is the most aggressive form of viral hepatitis[19]

Early detection matters

- CHD can lead to fibrosis, liver cancer, and death[3]
- 70% to 80% of people with CHD develop cirrhosis within 5 to 10 years vs slower disease progression with HBV monoinfection[2,20]

Risk-based testing may underestimate the number of patients with CHD

- Variations in testing guidelines, risk-based screening practices, and stigma all contribute to underdiagnosis of CHD[19,21]
  - In 1 analysis, 60% of patients with CHD did not have any risk factors[8]

AHDV=antibody to hepatitis D virus; HBsAg=hepatitis B surface antigen; HBV=hepatitis B virus; HDV=hepatitis delta virus; RNA=ribonucleic acid.

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Actor portrayal

All patients who are HBsAg+ need to be **tested for HDV at least once**[4]

Low levels of HBV should not preclude testing for CHD

- Because suppression of HBV replication may be present during active HDV infection, low levels of HBV DNA should not preclude testing for CHD[5]

Patients who are HBsAg+ and have these risk factors should be tested annually[3-5,22]:

Those born in regions with reported high HDV endemicity:

- Africa (West Africa, Horn of Africa)
- Asia (Central and Northern Asia, Vietnam, Mongolia, Pakistan, Japan, Taiwan)
- Pacific Islands (Kiribati, Nauru)
- Middle East (all countries)
- Eastern Europe (Eastern Mediterranean regions, Turkey)
- South America (Amazonian basin)
- Other (Greenland)

Lifestyle:

- Persons who have ever injected drugs
- Men who have sex with men
- Individuals infected with HCV or HIV
- Persons with multiple sexual partners or any history of sexually transmitted disease
- Individuals living with others who are positive for HDV

Symptoms:

- Aminotransferase flares
- Acute hepatic decompensation or rapidly progressing disease

See HBV. Test for HDV. Diagnose early.

CHD=chronic hepatitis delta; DNA=deoxyribonucleic acid; HBsAg=hepatitis B surface antigen; HBV=hepatitis B virus; HCV=hepatitis C virus; HDV=hepatitis delta virus; HIV=human immunodeficiency virus.

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