

ICD-10-CM

Select List of Codes for Hepatitis B and Delta

(FY2021 release)

Hepatitis B and Delta Diagnosis

B18.0	Chronic viral hepatitis B with delta-agent
B18.1	Chronic viral hepatitis B without delta-agent
B19.10	Unspecified viral hepatitis B without hepatic coma
B19.11	Unspecified viral hepatitis B with hepatic coma
B16.0	Acute hepatitis B with delta-agent and with hepatic coma
B16.1	Acute hepatitis B with delta-agent and without hepatic coma
B16.2	Acute hepatitis B without delta-agent and with hepatic coma
B16.9	Acute hepatitis B without delta-agent and without hepatic coma
B17.0	Acute delta-(super) infection of hepatitis B carrier
B17.8	Other specified acute viral hepatitis
B17.9	Acute viral hepatitis, unspecified

Potential Symptoms of Hepatitis B and Delta

R17	Unspecified jaundice
R11.0	Nausea (without vomiting)
R11.2	Nausea (with vomiting)
G93.3	Postviral fatigue syndrome
R53.1	Weakness
R53.82	Chronic fatigue, unspecified
R53.83	Other fatigue
R10.84	Generalized abdominal pain
R10.9	Unspecified abdominal pain
R10.10	Upper abdominal pain, unspecified
R10.30	Lower abdominal pain, unspecified
R10.11	Right upper quadrant pain
R10.12	Left upper quadrant pain
R10.31	Right lower quadrant pain
R10.32	Left lower quadrant pain
R10.81	Abdominal tenderness

Liver-Related Symptoms/Complications

R94.5	Abnormal results of liver function studies
K74.0	Hepatic fibrosis
K74.60	Unspecified cirrhosis of the liver
K74.69	Other cirrhosis of the liver
K76.6	Portal hypertension
I85.00	Esophageal varices without bleeding
I85.01	Esophageal varices with bleeding
K72.90	Hepatic failure, unspecified without coma
K72.91	Hepatic failure, unspecified with coma
K72.00	Acute and subacute hepatic failure without coma
K72.01	Acute and subacute hepatic failure with coma
R16.0	Hepatomegaly, not elsewhere classified
R16.1	Splenomegaly, not elsewhere classified
R16.2	Hepatomegaly with splenomegaly, not elsewhere classified
C22.1	Intrahepatic bile duct carcinoma
C22.8	Malignant neoplasm of liver, primary, unspecified as to type

Others

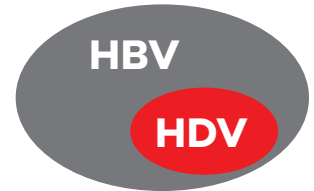
Z11.59	Encounter for screening for other viral diseases
Z20.5	Contact with and (suspected) exposure to viral hepatitis
Z20.828	Contact with and (suspected) exposure to other viral communicable diseases
Z23	Encounter for immunization
Z86.19	Personal history of other infectious and parasitic diseases
Z85.05	Personal history of malignant neoplasm of liver
R76.8	Other specified abnormal immunological findings in serum
P00.89	Newborn affected by other maternal conditions
O98.41	Viral hepatitis complicating pregnancy
T37.5X5	Adverse effect of antiviral drugs
T50.995	Adverse effect of other drugs, medicaments and biological substances
Z79.899	Other long term (current) drug therapy
Z91.89	Other specified personal risk factors, not elsewhere classified

ICD-10 Code Lookup: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/ICD10CM/2021/icd10cm-tabular-p-2021.pdf

This is a select list of ICD-10 codes that may be used for ordering tests related to screening and diagnosing potential patients with HBV and HDV infection. Please consult the latest ICD-10-CM for a full list of ICD-10 codes. This is for your information only. Each provider must make an individualized decision for each patient's needs. Gilead does not guarantee the coverage or reimbursement of any item or service through the use of these codes.

Burden of Chronic Hepatitis B in the United States

- ~2 million people have chronic HBV infection in the United States (2012)^{1,2}
- About 2 in 3 persons with chronic HBV infection are not aware that they are infected and are at risk of infecting others as well as developing serious liver diseases later in life^{3,4}
- Of persons with chronic HBV infection^{4,5}
 - 15% to 40% develop cirrhosis, liver cancer, or liver failure
 - 15% to 25% may die prematurely due to these complications



HDV replication is dependent on HBV⁶

Burden of Hepatitis Delta in the United States

- There are 127,000 to 357,000 adults with past or ongoing HDV infection in the United States (2016)^{3,7}
- Chronic hepatitis delta is the most severe form of chronic viral hepatitis, with a more aggressive clinical course than HBV mono-infection⁷

Populations at Risk for Hepatitis B and Delta Infection⁸

Hepatitis B

- Persons born in regions with prevalence of HBV infection $\geq 2\%$
- US-born persons not vaccinated as infants whose parents were born in regions with prevalence of HBV infection $\geq 8\%$ ⁹
 - Africa region (eg, South Sudan, Swaziland, Liberia, Mauritania, Benin, and others)
 - Western Pacific region (eg, Kiribati, Laos, Mongolia, Nauru, Solomon Islands, Tonga, Vanuatu, and Vietnam)
 - Eastern Mediterranean region (eg, Djibouti, Somalia, Sudan, and Yemen)
 - Kyrgyzstan
 - Haiti
- Household and sexual contacts of persons with HBV infection
- All pregnant women
- Men who have sex with men
- Persons who inject drugs
- Persons with elevated liver function tests
- Persons with certain medical conditions
 - Needing immunosuppressive therapy
 - Undergoing hemodialysis
 - Infected with HCV or HIV

Hepatitis Delta

Hepatitis B surface antigen (HBsAg)+ persons at high risk of HDV

- Persons born in regions with reported high HDV endemicity (this list is incomplete because many countries do not report HDV rates)
 - 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)
- Persons who inject 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 with elevated ALT or AST with low or undetectable HBV DNA

Hepatitis B Screening

The following tests are recommended for screening (ACP/CDC, USPSTF)^{5,10}

Hepatitis B surface antigen (HBsAg)

Hallmark of infection
(CPT code: 87340)

Antibody to HBsAg (anti-HBs)

Marker of immunity
(CPT code: 86706)

Antibody to hepatitis B core antigen (anti-HBc)

Marker of prior exposure
(CPT code: 86704)

Hepatitis Delta Screening

The following tests are recommended for screening (AASLD)⁸

Antibody to HDV (anti-HDV)

Hallmark of prior or current infection
(CPT code: 86692)

HDV RNA Real-Time PCR (HDV RNA)

Marker of active infection
(CPT code: 87798)

“Despite being considered as the most severe form of chronic hepatitis, HDV infection is still underdiagnosed.”¹¹

References: 1. Gish RG, et al. *Hepatology*. 2015;62:1339-1341. 2. Lim JK, et al. *Am J Gastroenterol*. 2020;115(9):1429-1438. 3. Patel EU, et al. *Clin Infect Dis*. 2019;69(4):709-712. 4. CDC. *MMWR Recomm Rep*. 2008;57:1-20. 5. Abara WE, et al. *Ann Intern Med*. 2017;167:794-804. 6. Tseligka ED, et al. *Viruses*. 2021;13(5):778. 7. Miao Z, et al. *J Infect Dis*. 2020;221(10):1677-1687. 8. Terrault NA, et al. *Hepatology*. 2018;67(4):1560-1599. 9. Schweitzer A, et al. *Lancet*. 2015;386:1546-1555. 10. LeFevre ML; USPSTF. *Ann Intern Med*. 2014;161:58-66. 11. Alfaiate D, et al. *Antiviral Res*. 2015;122:112-129.



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