

HEPATITIS B CARE

HEP B FOLLOW UP LABS

Every 6 months:

Liver function tests, HBsAg, and AFP

HBV DNA for those with previous HBV DNA above 1000 IU/mL or elevated ALT or AST, and those with hepatocellular carcinoma (HCC), family history of HCC, on antiviral therapy

Yearly:

HBV DNA, CBC

RUQ ULTRASOUND EVERY 6 MONTHS

Men \geq age 40

Women \geq age 50

Persons with AFP >10 (Note: if female under age of 50, screen for pregnancy first).

Family history of HCC

Previous HCC

Advanced liver fibrosis (Metavir F₃ or F₄ fibrosis)

WHO NEEDS HEPATITIS B TREATMENT – CONSULT LIVER DISEASE SPECIALIST FIRST

Those with HBV DNA $> 20,000$ and ALT $> 2x$ ULN normal

If liver biopsy shows moderate or greater inflammation or fibrosis

Screen patients starting cancer chemotherapy or immunosuppressive therapy for HBsAg and HBcAb. If HBsAg+ and HBcAb+, **consult liver disease specialists** before beginning therapy. Place those who are HBsAg+ on tenofovir or entecavir.

Those with history of HCC with any detectable HBV DNA

Persons with moderate to advanced liver fibrosis (Metavir F₂ or F₄)

HBV DNA > 2000 IU/mL and elevated ALT with FibroScan > 12 kPa in persons who have not had a liver biopsy

GOT A QUESTION? WHO TO CALL

Liver Disease & Hepatitis Program – 907-729-1560 or 800-655-4837 and ask for a provider or hepatitis B nurse:

Susan Negus, RN – 907-729-1566 (W-R-F)

Mary Snowball, RN – 907-729-1564 (T-W)

Interpretation of Hepatitis B Labs

Acute Hepatitis B Infection	Hepatitis B Carrier/ Chronic Infection	Previous Exposure with Immunity	Vaccination with Immunity
Anti-HBs -	Anti-HBs -	Anti-HBs +	Anti-HBs +
HBsAg +	HBsAg +	HBsAg -	HBsAg -
IgM anti-HBc +	Anti-HBc Total +	Anti-HBc Total +	Anti-HBc Total -

Other Names for These Labs/Definitions

HBsAg = Surface Antigen. Positive = Infection

Anti-HBs = Surface Antibody. Positive = Immunity

Anti-HBc Total = Core Antibody. Infection memory. Positive at onset of hepatitis B infection (acute and chronic) and persists through life

IgM anti-HBc = IgM Antibody. Only present during acute hepatitis B infection