

# AK Liver Disease ECHO

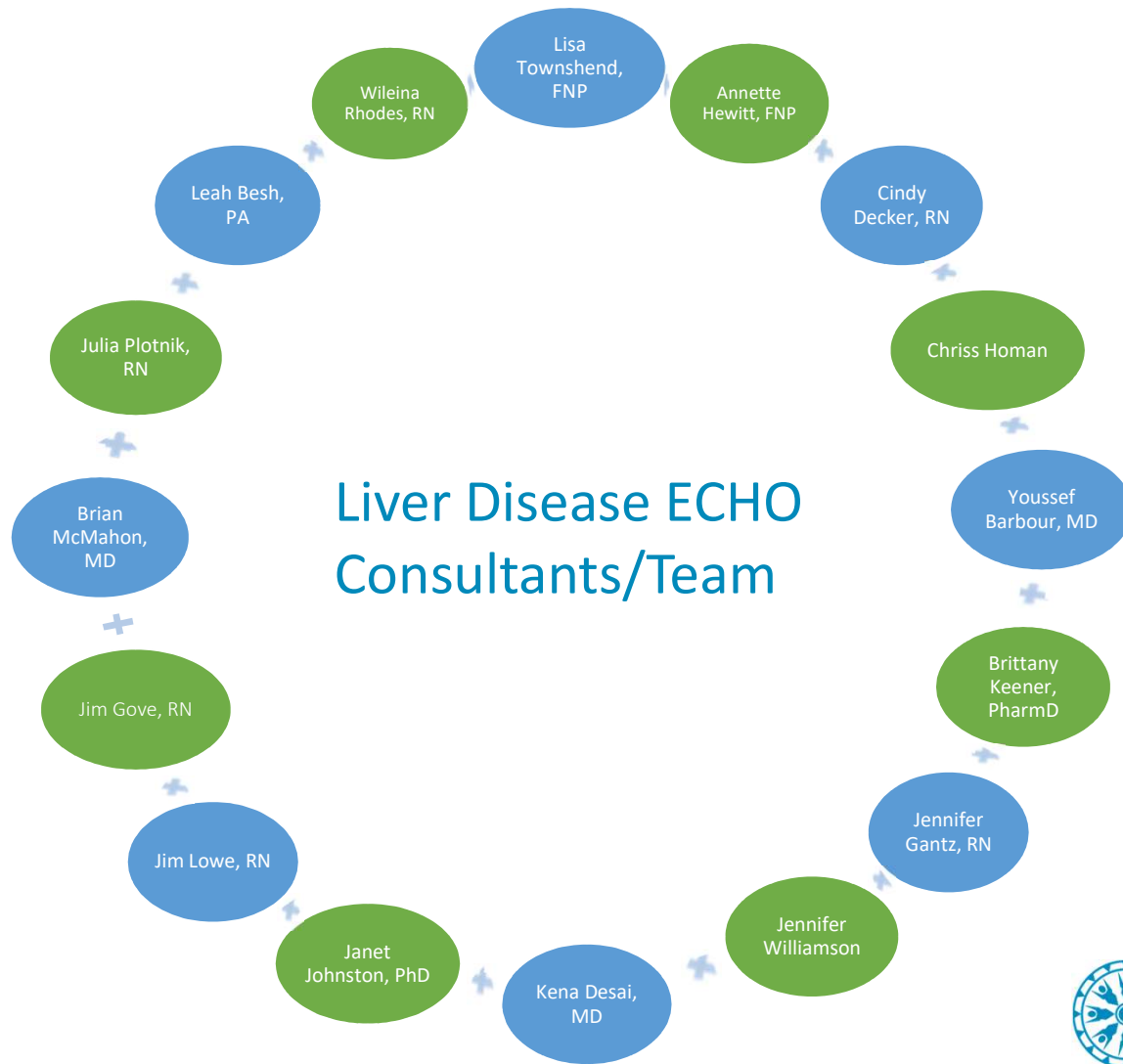
This project is funded by the Minority HIV/AIDS Fund through the Indian Health Service.



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CONSORTIUM



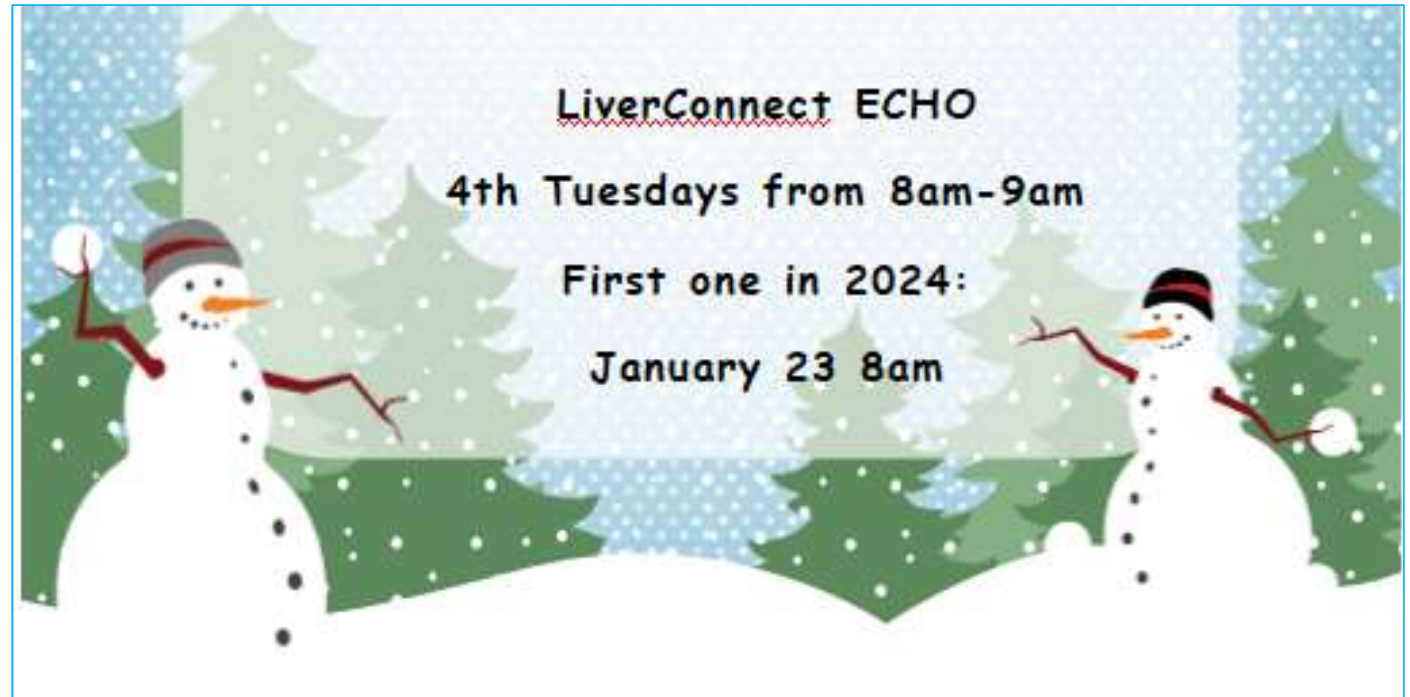
NPAIHB  
*Indian Leadership for Indian Health*



## What we do

- Provide education related to liver disease management
  - Didactic presentations
  - Patient case presentations and questions
  - Expert panelist case review
- How You Can Help Reduce Liver Disease Mortality and Morbidity
  - addressing challenges to HCV screening and linkage to care
  - screening for metabolic associated fatty liver disease
  - managing cirrhosis
  - safe medication prescribing, and
  - nutrition for liver health

Liver Disease  
ECHO-  
LiverConnect  
merging



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# Evaluation and Continuing Education Credit

## Approved Provider Statements:



In support of improving patient care, Alaska Native Medical Center (ANMC) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

CPE Credit will be posted to the online CPE Monitor system within 60 days following completion of each activity when applicable.

*The ANMC Joint Accreditation CE Program Portfolio additionally supports Behavioral Health (APA), Social Work (ASWB-ACE), and Dietitians (CPEU).*

## Contact Hours:

ANMC designates this activity for a maximum of 12 contact hours, including 3 total pharmacotherapeutics contact hours, commensurate with participation.

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For more information contact  
[jfielder@anthc.org](mailto:jfielder@anthc.org) or (907) 229-1185



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# Survey reminder



<https://www.eSurveysPro.com/Survey.aspx?id=d4b7eb1f-872a-45d5-a5b7-f31d1fb7d3e8>

# Ask Us Anything Liver Disease, Resources/Case Study

Lisa Townshend-Bulson, RN, MSN, FNP-C  
Director, ANTHC Liver Disease & Hepatitis Program

# Disclosure

- I am a principal investigator on a hepatitis C study that is funded in part by Gilead Sciences.



# Objectives

- Recognize liver disease resources available to you
- Discuss elevated liver function tests workup

# Liver Disease Program website

Our website: [www.anthc.org/hep](http://www.anthc.org/hep)

- About our program <https://www.anthc.org/what-we-do/clinical-and-research-services/hep/about-hepatitis/>
- For patients <https://www.anthc.org/what-we-do/clinical-and-research-services/hep/for-patients/>
- For providers <https://www.anthc.org/what-we-do/clinical-and-research-services/hep/for-providers/>
- Hepatitis C treatment <https://www.anthc.org/what-we-do/clinical-and-research-services/hep/hep-c-treatment-information/>
- Simplified Treatment Training (recorded and slides) <https://www.anthc.org/what-we-do/clinical-and-research-services/hep/a-chronic-disease-you-can-cure-conference/>

# Liver Disease ECHO Pearls

**LIVER DISEASE ECHO PEARLS**  
WINTER 2022

**ECHO highlights from Oct-Dec 2022:**

Screening for Alcohol Use Disorder with Dr. [Name]

- The Audit C test is the most reliable test for
- Alcohol limits for men are higher than the volume of distribution and levels of alcohol
- UW Living Donor Liver Transplant Website: [transplant/living-donor-liver-transplant](https://www.transplant.org/living-donor-liver-transplant)

## Liver Disease ECHO Pearls

July-September 2023

Highlights and learning objectives from recent AK LD ECHOs! View the recorded didactics at [www.anthc.org/ak-ld-echo](http://www.anthc.org/ak-ld-echo).

**July: Emphasizing Nutrition for Liver Health, Anne Fleetwood, MS, RDN, NDN**

- Take-a-ways:
  - The liver plays a vital role in digestion, processing toxins, and storing nutrients for us.
  - To keep your liver healthy, it is important to stay away from alcohol and manage metabolic syndrome.

**LIVER DISEASE**

**LD ECHO highlights, in case you missed them**

**PBC/Overlap with Youssef Barbour, MD**

- Primary Biliary Cholangitis (PBC) is the main immune mediated liver disease targeting small bile ducts, etiology not defined yet.
- Liver biopsy is rarely needed to diagnose PBC.
- PBC is slowly progressive, and with treatment most cases don't advance.
- Ursodiol, a bile acid naturally occurring in the body, is the main treatment, and it is safe, effective and mostly well-tolerated.

# Cerner education

In Cerner education – search for Department “Hep”

Hepatitis C

Hepatitis B

Autoimmune  
Hepatitis (AIH)

Primary Biliary  
Cholangitis  
(PBC)

Cirrhosis

Overlap  
Syndrome

# Case Study

Questions???

# Ask Us Anything Liver Disease Question

- From hospitalist:

**When is it appropriate to start methylprednisolone for a patient with alcohol hepatitis and when is it not appropriate (even if Maddrey DF score is  $\geq 32$ ?)**

# Ask Us Anything Liver Disease Question

- From referral,

**When should someone with chronic hepatitis B be referred to Liver Clinic?**

**How often should patient be seen in Liver Clinic?**

**If someone has hepatitis B, when should they be screened for liver cancer?**



# Ask Us Anything Liver Disease Question

- From referring provider,  
**My patient is HBcAb positive. Do they need to be seen in Liver Clinic?**

# Interpretation of Hepatitis B Labs

Acute Hepatitis B	Chronic Hepatitis B/ Hepatitis B Carrier	Previous Exposure with Immunity	Vaccination with Immunity
HBcAb IgM+	HBsAg+	HBsAb+	HBsAb+
HBsAg+	HBcAb Total+	HBcAb Total+	HBcAb Total-
HBsAb-	HBsAb-	HBsAg-	HBsAg-

If patient is HBcAb IgG+ and to undergo cancer chemotherapy or immunosuppressive therapy – See algorithm:

<https://www.anthc.org/wp-content/uploads/2020/10/HBV-Risk-of-Reactivation-on-Immunosuppressive-Therapy.pdf>

## Other Names for These Labs/Definitions

HBsAg = Surface Antigen. Positive = Infection

HBsAb or Anti-HBs = Surface Antibody. Positive = Immunity

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

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

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# Reminders



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## AK ID ECHO: HCV, HIV, PrEP, STIs

- Second Tuesday of every month from noon-1:00 PM AKST
  - 1CE/CME offered per session
- January 9: Syphilis 101 presented by Jonathan Mera, MD
- [anthc.org/AK-ID-ECHO](http://anthc.org/AK-ID-ECHO) // [akidecho@anthc.org](mailto:akidecho@anthc.org)
- To register or join:  
<https://echo.zoom.us/meeting/register/tZ0qc--qqj0qH9cw7gRs1d7K98I3AlvQJjHa>

## AK Liver Disease ECHO Team Contacts

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### Northwest Portland Area Indian Health Board

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