



PREVENTING PERINATAL HEPATITIS B

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Hepatitis B Foundation

Texas Perinatal Hepatitis B Summit

Agenda

1. About the Hepatitis B Foundation
2. Perinatal Hepatitis B - why is it still important
3. Hepatitis B and Storytelling
4. Hepatitis B Screening & Vaccination Guidelines
5. How We are Combatting Perinatal Transmission
6. Resources for Implementation of the New Guidelines

About the Hepatitis B Foundation

The only national non-profit dedicated to finding a cure and improving the quality of life for those affected by hepatitis B worldwide



HBF

- Outreach & Education
- Public Health Research
- Policy & Advocacy
- Education & Training
- PA Biotechnology Center & Biotech Incubator

BARUCH S. BLUMBERG RESEARCH INSTITUTE

- Biomedical Research - drug discovery & early detection methods for cirrhosis and HCC



WHO sounds alarm on viral hepatitis infections claiming 3500 lives each day

9 April 2024 | News release | Geneva | Reading time: 4 min (970 words)

العربية

Espa

Mec

“The disease is the second leading infectious cause of death globally -- with **1.3 million deaths per year, the same as tuberculosis, a top infectious killer.”**


**“This report paints a troubling picture:
despite progress globally in preventing
hepatitis infections, deaths are rising
because far too few people with
hepatitis are being diagnosed and
treated...”**

BETTER SCREENING AND
SURVEILLANCE COULD HELP AVERT
THE **800 TO 1,000 INFECTIONS PER
YEAR** PASSED FROM MOTHER TO
CHILD.

*National Academies of Sciences, Engineering, and Medicine, 2016.
Eliminating the public health problem of hepatitis B and C in the
United States: Phase one report.*



#justB

- Aims to raise the profile of hepatitis B as an urgent public health priority and helps put a human face on this serious disease by sharing stories of real people living with or affected by hepatitis B.
 - The goals of the campaign are:
 - to increase awareness and advocacy; decrease stigma and discrimination;
 - Promote testing, vaccination, linkage to care, and treatment to help save lives.
- 

Meet Alan

#justB Proactive



Perinatal Hepatitis B – What's the Problem?

- Most commonly transmitted from an infected mother to her newborn during childbirth globally
- **Infants** exposed during childbirth have a **90% chance of developing a chronic hepatitis B infection**
- Among privately insured people, just 50% of people diagnosed with HBV receive appropriate care and treatment *

Perinatal Hepatitis B – Who is most impacted?

People born abroad are 9 times more likely to be infected with chronic hepatitis B. However, country of birth is not routinely collected data.

- Immigrant and Refugee Communities:
 - Asian
 - Pacific Islanders
 - African
 - Eastern European
- Unvaccinated pregnant people at high-risk for hepatitis B

Perinatal Hepatitis B - Is it still an issue?

- Most new chronic infections are occurring in people of child-bearing age:
 - 30-39 years of age
 - 40-49 years of age

Common Perinatal Questions

CAN I BREASTFEED?

**IF I HAVE CHRONIC
HEPATITIS B INFECTION,
CAN I HUG MY CHILDREN,
PARTNER OR FRIEND?**

**IS HEPATITIS B
GENETIC?**

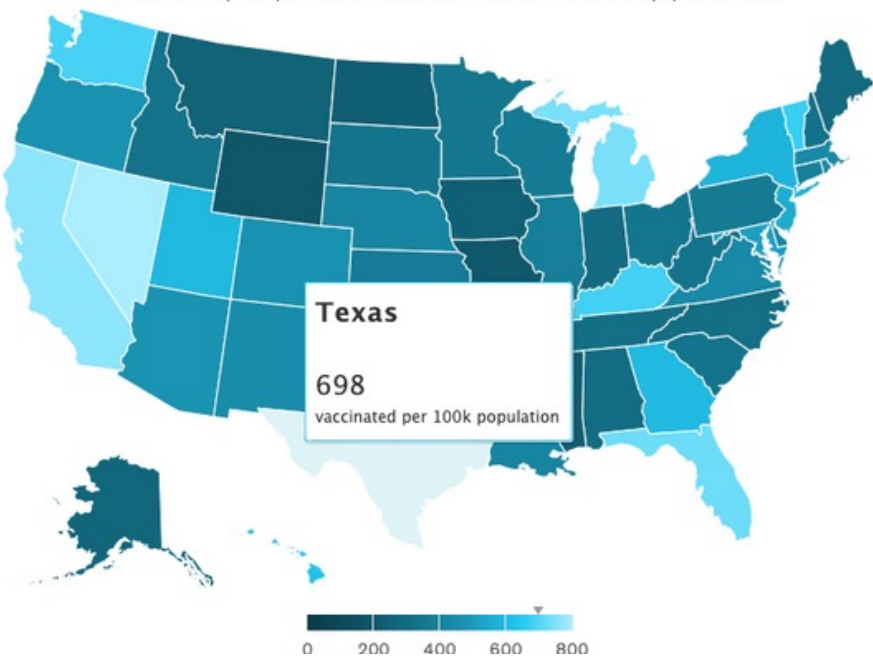
**WILL HERBALS, NATURAL
“REMEDIES”, AYURVEDA OR
TRADITIONAL CHINESE
MEDICINE, SUPPLEMENTS, OR
VITAMINS AND MINERALS
CONTROL HEPATITIS B?**



Adult Hepatitis B Immunization – Texas

Vaccination per capita

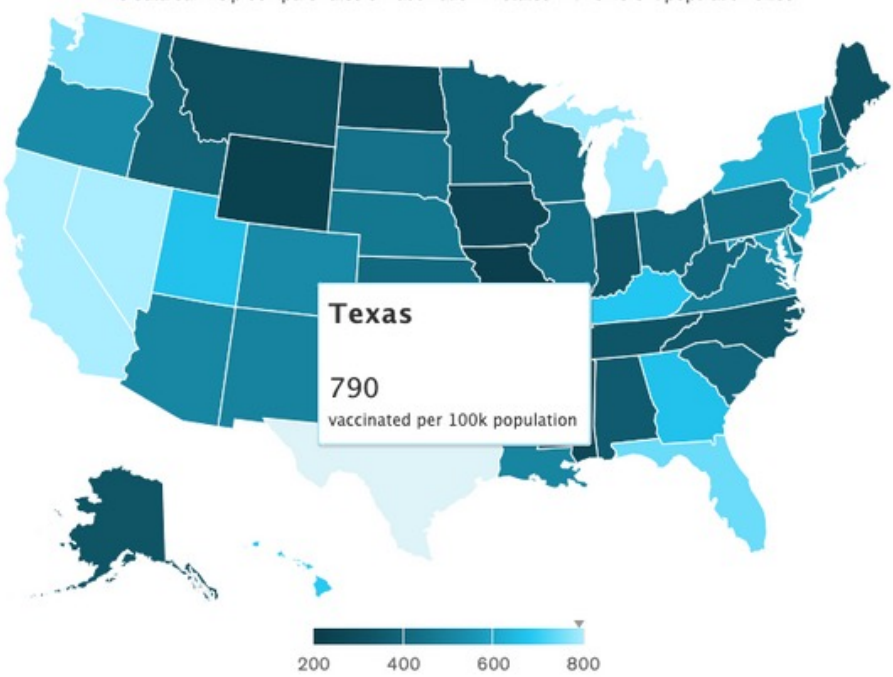
Rate of medical and pharmacy claims (per 100,000 members of the population) for vaccinations for the indicated disease.
This data can help compare rates of vaccination in states with different population sizes.



All Genders

Vaccination per capita

Rate of medical and pharmacy claims (per 100,000 members of the population) for vaccinations for the indicated disease.
This data can help compare rates of vaccination in states with different population sizes.



Women

A NATIONAL LOOK AT CHILDHOOD HEPATITIS B IMMUNIZATION



74%

of newborns have received
the first dose of the
hepatitis B vaccine within
3 days of birth



91%

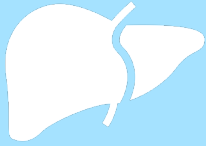
of children 19-35 months
have completed the
hepatitis B vaccine



**UPDATED ADULT
HEPATITIS B
UNIVERSAL SCREENING
AND VACCINATION
RECOMMENDATIONS**

Updated Hepatitis B Recommendations:

Why now?



People living with chronic hepatitis B have a **15% to 25% risk of premature death from cirrhosis or liver cancer** without monitoring and antiviral treatment as indicated



Up to
**2.4 Million
Americans**

Are living with chronic
hepatitis B



67%

Of people living with
hepatitis B are unaware of
their infection



70%

Of adults 19 and older
have **NOT** completed the
hepatitis B vaccine series

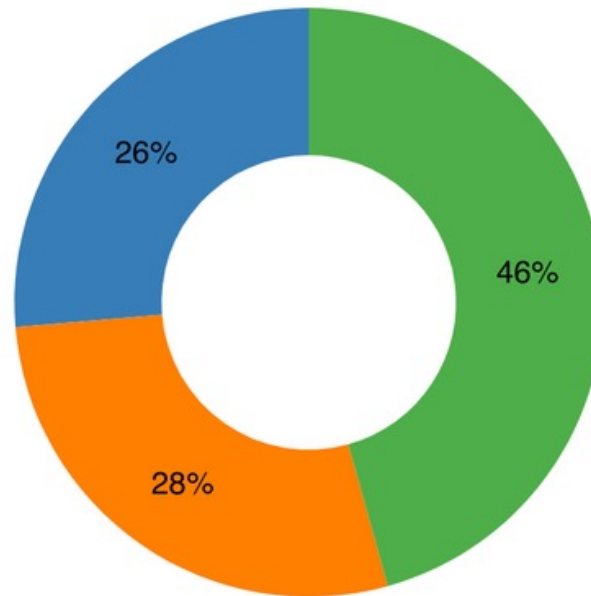
Updated Hepatitis B Recommendations: Why now?

Availability of information on risk behaviors or exposures* associated with reported cases† of acute hepatitis B — United States, 2022

[Print](#)

◀ Figure 2.6

Figure 2.8 ▶



- Risk identified
- No risk identified
- Risk data missing

Who Should Be Vaccinated?

◆ Who should be vaccinated?



Adults < 60



Adults 60 years and older with risk factors* for hepatitis B



Anyone who wants the vaccine

**Universal adult
HepB vaccination
through age 59
years removes the
need for risk
factor screening
and disclosure.**

**Only use risk factor to assess when a patient is 60+ years old AND does not request the vaccine.*

Universal Hepatitis B Screening Recommendation

01

Universal, one-time hepatitis B screening for adults 18 & older

Hepatitis B Surface Antigen
Hepatitis B Surface Antibody
Hepatitis B Core Antibody

02

Periodic testing for all susceptible persons with ongoing risk

New groups added to risk-based recommendation:

- current or history of STI
- currently or formerly incarcerated persons
- hepatitis C infection

03

Anyone who requests a hepatitis B screening test



Screening Pregnant Persons for Hepatitis B

- All pregnant persons during each pregnancy, preferably in the first trimester, *regardless of vaccination status or history of testing*
- **NEW:** Pregnant persons with a history of appropriately timed triple panel screening and WITHOUT subsequent risk for exposure to hepatitis B (i.e., no new hepatitis B exposures since triple panel screening) *only need HBsAg screening*



Hepatitis B Vaccination & Screening in General Practice*



Collect Blood



Offer Vaccine per ACIP



No need to wait for test results

Vaccination should not be a barrier to screening, and screening should not be a barrier to vaccination

Provide what service you are able, and refer patient to the one you cannot

Triple Panel Hepatitis B Screening - Results

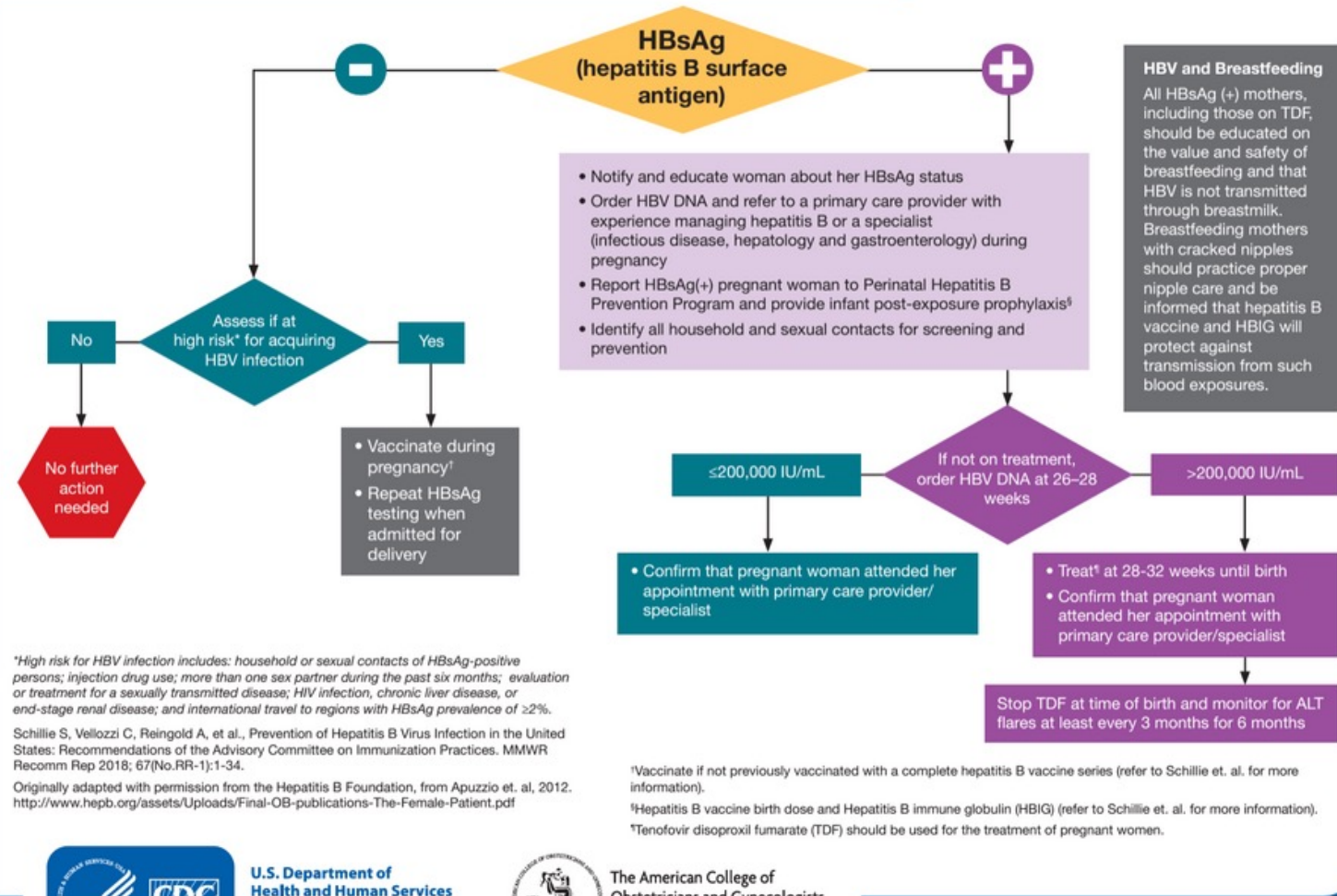
Three-part Hepatitis B Panel

- **HBsAg** – positive test indicates current infection
- **HBsAb** – positive test indicates immunity
 - Can be vaccine-induced or from past exposure
- **HBcAb** – test of exposure
 - Also indication for re-activation risk

Interpreting Hepatitis B Blood Test Results

Interpretation & Action Needed	HBsAg Hepatitis B Surface Antigen	HBsAb (anti-HBs) Hepatitis B Surface Antibody	HBcAb (anti-HBc) Hepatitis B Core Antibody
Not Immune - Not Protected Has not been infected, but still at risk for possible hep B infection. Vaccine is needed.	—	—	—
*Immune Controlled - Protected Surface antibodies present due to natural infection. Has recovered from a prior hep B infection. Cannot infect others. No vaccine is needed.	—	+	+
Immune - Protected Has been vaccinated. Does not have the virus and has never been infected. No vaccine is needed.	—	+	—
Infected Positive HBsAg indicates hep B virus is present. Virus can spread to others. Find a doctor who is knowledgeable about hep B for further evaluation. More Testing Needed.	+	—	+

Screening and Referral Algorithm for Hepatitis B Virus (HBV) Infection Among Pregnant Women



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention



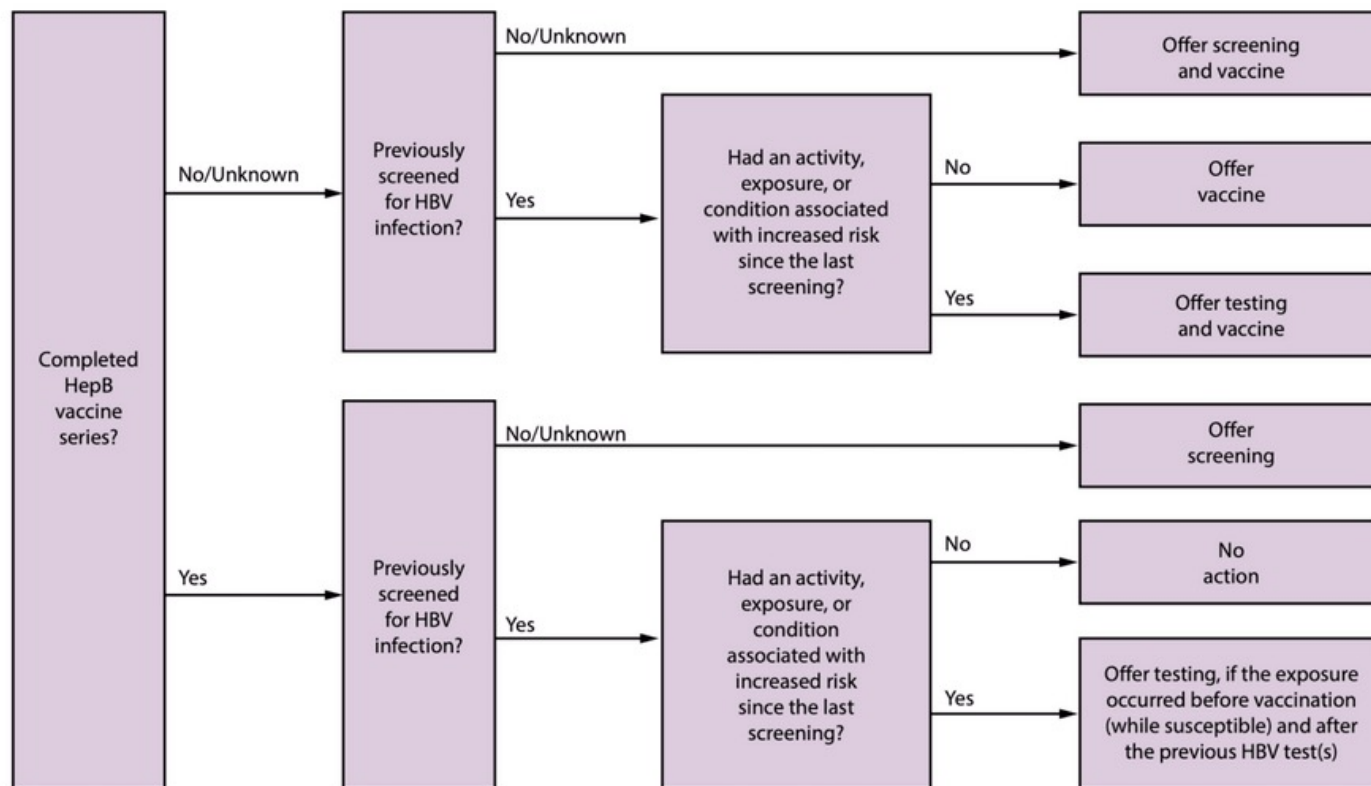
The American College of
Obstetricians and Gynecologists
WOMEN'S HEALTH CARE PHYSICIANS

www.cdc.gov/hepatitis

Updated December 2021

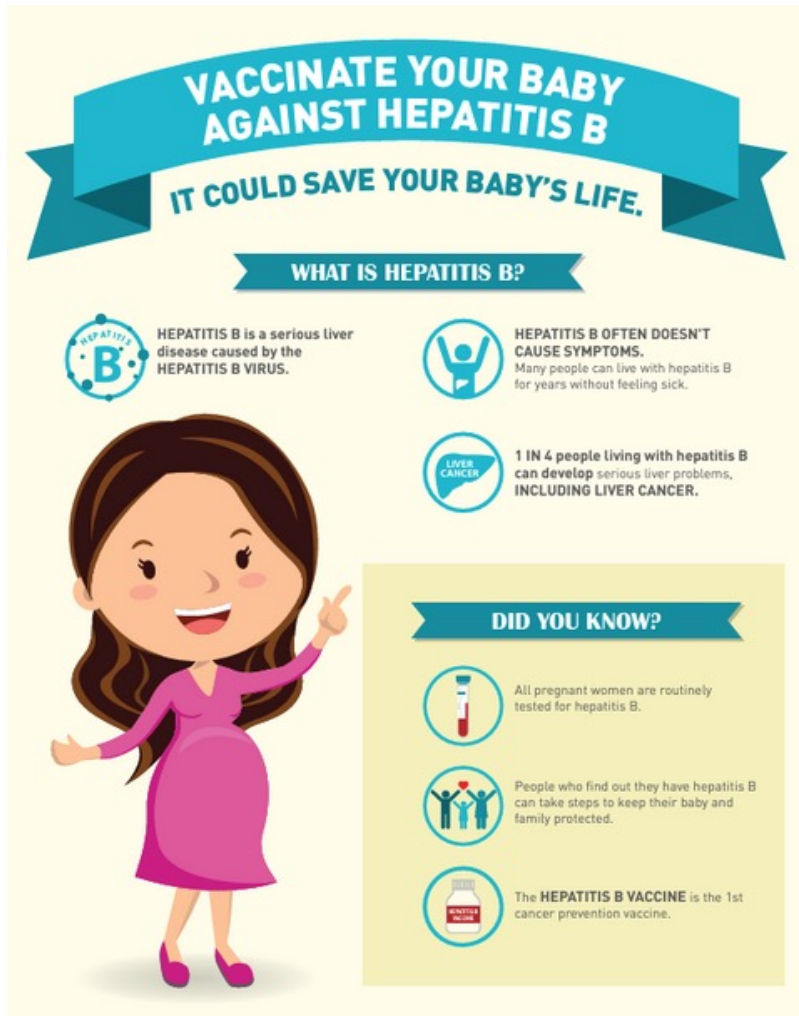
Adult Hepatitis B Vaccination & Screening in Practice: Clinical Workflow

Nonpregnant Adults Aged ≥18 Years without a Known History of HBV Infection



RESOURCES FOR PERINATAL HEPATITIS B PREVENTION

Perinatal Resources



- [Hep B United Resource Repository](#)
- [Hep B Moms](#) - Public & Professional
- CHIPO - [African Resources for Community Health Workers](#)
- [Hep B Online](#) - University of Washington
- [CDC's Know Hepatitis B](#) - Public & Professional
 - African
 - Asian

Clinician Resources for Updated Adult Recommendations

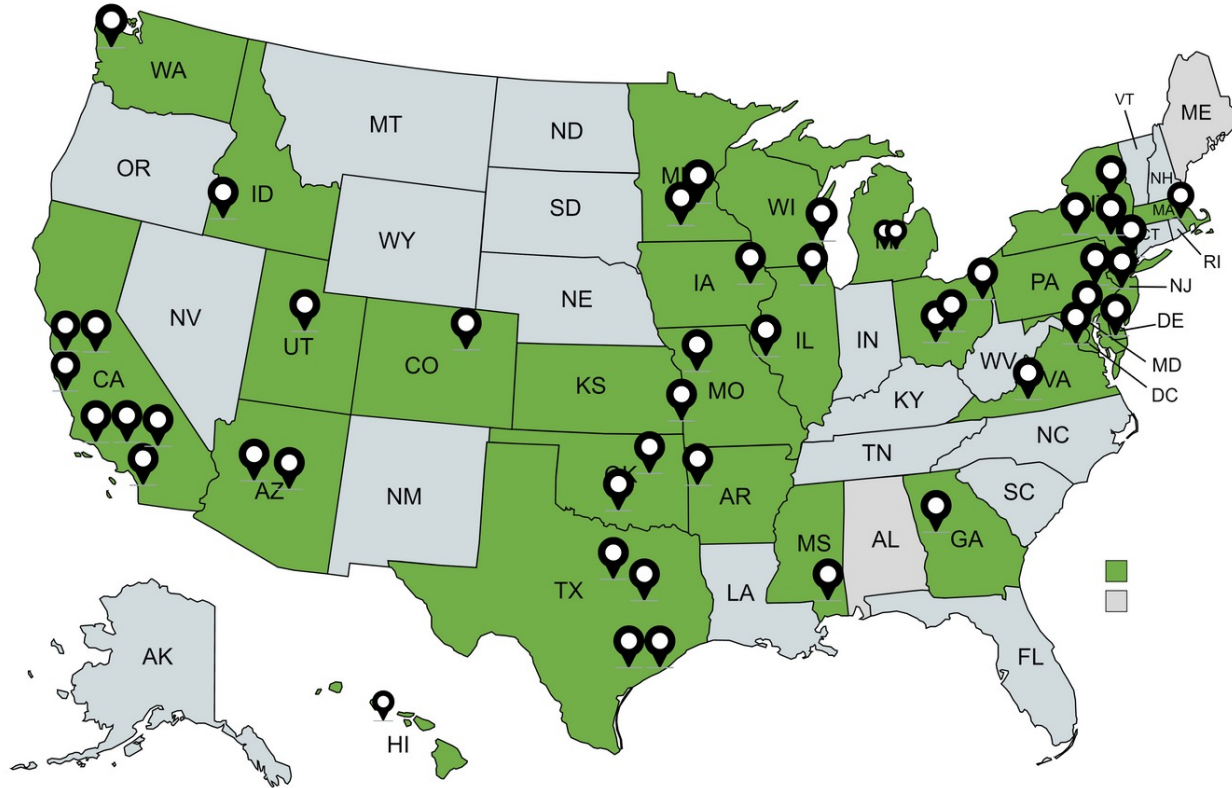
- [Call-to-Action: Eliminating Hepatitis B Virus Through Universal Screening and Vaccination for Adults Ages 19-59](#)
- [Implementing Hepatitis B Universal Adult Screening and Vaccination: Clinical Answers for Healthcare Professionals](#)
- [Hepatitis B Vaccination and Screening of Adults: Simple Steps to Protect Yourself from Serious Liver Disease](#)
- [CDC's Frequently Asked Questions for Health Professionals](#)
- Websites:
 - www.hepb.org
 - <https://www.hepatitisb.uw.edu/> (CME education)
 - www.immunize.org
 - <https://www.cdc.gov/hepatitis/hbv/index.htm>

Clinician Resources for Updated Adult Recommendations

Additional Resources

Hep B United: A National Coalition

Hep B United



Hep B United Partners in
26 states, DC and 36 cities

57 National and Local
Coalition Members

Mission - Hep B United is a national coalition dedicated to reducing the health disparities associated with hepatitis B by increasing awareness, screening, vaccination, and linkage to care for high-risk communities across the United States.

CONTACT US

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Social Media

[@hepbfoundation](#)

[@hepbunited](#)



Website

www.hepb.org

www.hepbunited.org