



TEXAS
Health and Human
Services

**Texas Department of State
Health Services**

Perinatal Hepatitis B Prevention Program

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Texas Department of State Health Services

Why We're Here

The Perinatal Hepatitis B Prevention Program (PHBPP) works to prevent hepatitis B transmission.

- Without a cure for hepatitis B, prevention is key.
- Mother-to-child transmission (MTCT) is preventable.
 - Transmission rates vary based on the mother's viral load.
- Infection at a young age leads to greater complications.
 - Ninety percent of infants who do not receive prophylaxis become chronically infected.
 - One fourth of infected infants die prematurely of liver cancer or failure.



PHBPP History

1990

The CDC establishes National PHBPP.

1991

TX DSHS implements first PHBPP in Harris, Tarrant, and Dallas counties, as well as in Houston and San Antonio.

1999

Texas Governor George W. Bush signs legislature requiring hepatitis B screening of pregnant women at first prenatal visit and at delivery.

2001

TX DSHS expands PHBPP to the entire state.



PHBPP Activities

- Identify, manage, and track all HBsAg-positive pregnant women.
- Identify, manage, and track infants born to HBsAg-positive mothers.
- Ensure HBV-exposed newborns receive post-exposure prophylaxis (PEP) according to ACIP recommendations.
- Ensure HBV-exposed infants complete the hepatitis vaccine series and receive post-vaccination serologic testing (PVST) per ACIP recommendations.
- Ensure program quality through monitoring and evaluation.



Hepatitis B PEP

Hepatitis B vaccine: first dose and hepatitis B immunoglobulin (HBIG)

- Infants born to HBsAg-positive women should receive both HBIG and the birth dose of the hepatitis B vaccine within 12 hours of birth.

Hepatitis B vaccine: second dose

- Infants should receive it at least four weeks after the first dose.

Hepatitis B vaccine: third dose

- Infants should receive it at least eight weeks after the second dose, 16 weeks after the first dose, and no earlier than 24 weeks of age (six months).



PVST

PVST consists of two lab tests:

- Hepatitis B surface antigen (HBsAg)
- Hepatitis B surface antibody (anti-HBs)

PVST timing:

- No sooner than one month after last dose of hepatitis B vaccine
- No earlier than 9 months of age
- No later than 12 months of age to be considered on-time
 - Late results are better than no results.
 - When able, obtain for infants when parents refuse PEP.



Perinatal Hepatitis B

Annual Report (Reflects Infants Born 2021 and 2022)

Measure	CDC Benchmark	2024	2023	2022
Pregnant HBsAG+ Women Identified	80%	84%	78%	87%
On-Time PEP	98%	100%	93%	96%
Vaccine Series in One Year	90%	85%	80%	60%
On-Time PVST	85%	73%	66%	99%



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PHBPP Goals for 2025

- Meet or exceed the CDC benchmarks for program activities by providing real-time local and regional performance data.
- Solidify relationships with birthing facilities, obstetricians, and pediatricians.
- Perform timely, quality case management activities to enrolled mothers.
- Provide high-quality training and support to PHBPP case managers.



PHBPP Regional Coordinators

PHB Regions 1 and 9/10

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PHBPP Contacts and Resources

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Program website:

dshs.texas.gov/immunization-unit/texas-perinatal-hepatitis-b-prevention-program

Provider Reporting Portal:

txhhs.my.site.com/DSHSPeriHepBPreventionPortal/s/



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Thank you!

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