

Per the Centers for Disease Control and Prevention, *“Hepatitis B virus (HBV) infection in a pregnant woman poses a serious risk to her infant at birth. Without postexposure immunoprophylaxis, approximately 40% of infants born to HBV-infected mothers in the United States will develop chronic HBV infection, approximately one-fourth of whom will eventually die from chronic liver disease. Perinatal HBV transmission can be prevented by identifying HBV-infected (i.e., hepatitis B surface antigen [HBsAg]-positive) pregnant women and providing hepatitis B immune globulin and hepatitis B vaccine to their infants within 12 hours of birth. Preventing perinatal HBV transmission is an integral part of the national strategy to eliminate hepatitis B in the United States.”*

The Maryland Perinatal Hepatitis B Prevention Program maintains the surveillance and control of perinatal Hepatitis B infection. The primary goal of the program is to identify all pregnant women infected with Hepatitis B and prevent perinatal transmission of the virus by ensuring infants born to infected women receive the recommended prophylactic treatment at birth. The Perinatal Hep B module in ImmuNet replaces the B-Free application as Maryland's perinatal Hep B Case Management application. It will continue to be a centralized statewide repository of Hep B cases for infected women of childbearing age (14-64 years old) to assist in the prevention of transmission of Hep B infection. The system will track the maternal Hep B testing during pregnancy and outcomes. In addition, cases will track the Hep B testing and vaccination of the infant and the mother's household and sexual contacts.

By referring to this user guide, you will be able to:

[Access the Perinatal Hep B Module](#)

[Run Perinatal Hep B Case Search](#)

[Create New Maternal Hep B Cases](#)

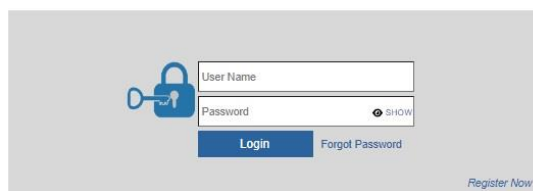
[Add New Infant Hep B Cases](#)

[Run Perinatal Hep B Case Query](#)

Access the Perinatal Hep B Module

All users of the Hep B module should already have an ImmuNet account. If you do not have an ImmuNet account, fill out an enrollment form [here](#). Once you receive your username and password to access ImmuNet, please contact the MDH Perinatal Hep B Coordinator to change your role so you can access the Hep B module

1. Log in to ImmuNet (www.mdimmunet.org)



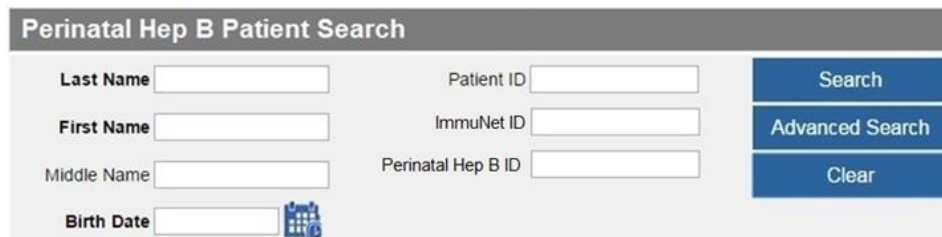
2. On the left menu, select the link for Perinatal Hep B Cases:




3. Please note that there are jurisdictional restrictions for Perinatal Hep B Cases. LHD users will only be able to view/edit cases with addresses in their jurisdictions.

Run Perinatal Hep B Case Search

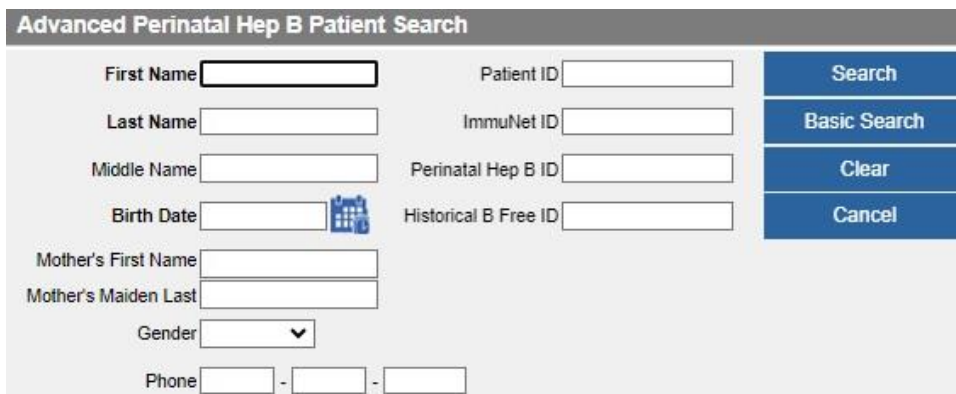
1. You can do a Basic Search or an Advanced Search for a perinatal Hep B case:
 - a. Basic Search (Patient name and DOB are required fields)




Perinatal Hep B Patient Search

Last Name <input type="text"/>	Patient ID <input type="text"/>	<input type="button" value="Search"/> <input type="button" value="Advanced Search"/> <input type="button" value="Clear"/>
First Name <input type="text"/>	ImmuNet ID <input type="text"/>	
Middle Name <input type="text"/>	Perinatal Hep B ID <input type="text"/>	
Birth Date <input type="text"/> 		

- b. Advanced Search (add other parameters)




Advanced Perinatal Hep B Patient Search

First Name <input type="text"/>	Patient ID <input type="text"/>	<input type="button" value="Search"/> <input type="button" value="Basic Search"/> <input type="button" value="Clear"/> <input type="button" value="Cancel"/>
Last Name <input type="text"/>	ImmuNet ID <input type="text"/>	
Middle Name <input type="text"/>	Perinatal Hep B ID <input type="text"/>	
Birth Date <input type="text"/> 	Historical B Free ID <input type="text"/>	
Mother's First Name <input type="text"/>		
Mother's Maiden Last <input type="text"/>		
Gender <input type="text" value="v"/>		
Phone <input type="text"/> - <input type="text"/> - <input type="text"/>		

2. Select the last name of the patient:

Perinatal Hep B Patient Search Criteria / Results

First Name Patient ID
 Last Name ImmuNet ID
 Middle Name Perinatal Hep B ID
 Birth Date 

Possible Matches: 1

Last Name	First Name	Middle Name	Birth Date	Perinatal Hep B ID	Mother's Maiden First	Mother's Maiden Last	Gender	Status
CLIENT	SAMPLE		11/14/1999	31	SAMPLE	MOTHER	F	N

3. You will see the patient demographics and you can edit the maternal Hep B case as well as add new infant cases:

Perinatal Hep B Case Listing

Patient Information

ImmuNet ID: 1249839
 Perinatal Hep B ID: 31

Patient Name (First - MI - Last)	DOB	Gender	Mother's Maiden	Tracking Schedule	Patient ID
SAMPLE CLIENT	11/14/1999	F	MOTHER	ACIP	

Address 202 MAIN BLVD, GLEN BURNIE, MD 21060 (667) 123-4567
 Comments 

Maternal Hep B Case

Click Add/Edit Maternal Hep B Case button to add or edit Maternal Case.

Select	Last Name	First Name	DOB	Status	Disposition at Time of Closure
<input type="checkbox"/>	CLIENT	SAMPLE	11/14/1999	Open	

Infant Hep B Cases ▲

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Cases associated with Maternal Perinatal Hep B ID.

Select	Perinatal Hep B ID	Last Name	First Name	DOB	Status	Disposition at Time of Closure
<input type="checkbox"/>	32	CHILD	SAMPLE	06/12/2023	Open	

4. If you are not able to find the patient, you can add the patient in the ImmuNet module. Please refer to the [ImmuNet Basic Guide](#) or watch the [ImmuNet Tutorial Video](#) for step-by-step instruction on how to 'Enter or Add a New Patient'.

Create New Maternal Hep B Cases

- From the Patient Search screen, search for the mother you want to create a Maternal Hep B Case for and open that case.

Patient Search Criteria / Results

First Name Patient ID

Last Name

Middle Name ImmuNet ID

Birth Date

Select the radio button for viewing option then select the Patient link below:

☒ Patient Demographics
 ☐ Patient Immunization
 ☐ Patient Reports
 ☐ Blood Lead History/Recommendations

Possible Matches: 1

Last Name	First Name	Middle Name	Birth Date	Patient ID	Mother's Maiden First	Mother's Maiden Last	Gender	Status
MOTHER	SAMPLE		06/15/1998				F	A

- Once the patient is selected, create the Maternal Hep B Case by clicking on the "Perinatal Hep B Case Listing"

Patient Demographics ImmuNet ID: 1250264

Personal Information

* First Name * Gender

* Last Name Medicaid ID

Middle Name Birth Order (for multiple births)

Suffix Birth Country

* Birth Date

* Mother's First Name

* Mother's Maiden Last Last Reminder Recall:

- This will bring up the main Perinatal Hep B Case Listing Screen. Click on "Add/Edit Maternal Hep B Case"

Perinatal Hep B Case Listing

Patient Information ImmuNet ID: 1250264 Perinatal Hep B ID:

Patient Name (First - MI - Last) DOB Gender Mother's Maiden Tracking Schedule Patient ID

Address

Comments

Maternal Hep B Case

Click Add/Edit Maternal Hep B Case button to add or edit Maternal Case.

Select	Last Name	First Name	DOB	Status	Disposition at Time of Closure
This patient has no Maternal Hep B Case associated with it.					

Infant Hep B Cases ▲

4. Add case information. Every field in **Blue** is required.

Hep B Case

Current Case Status: Open ▼

Case Worker: ▼

Date Case Opened: [calendar icon]

Case Review Due Date: [calendar icon]

Inbound Transfer from Out of State? No ▼ State: ▼

Language: ▼ Other Language: [text box]

Interpreter Used: [text box]

Date Case Closed: [text box]

Disposition at time of Closure: ▼

Hep B Eligibility: ▼

Historical B Free ID: [text box]

5. You can enter additional information under 'Case Information'.

Case Information ▲

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Physician Information

Physician: ▼

Organization Name: [text box]

Phone Number: [text box]

Email: [text box]

Date Notified: [calendar icon]

Birth Hospital Information

Birth Hospital: ▼

Date Notified: [calendar icon]

Expected Due Date: [calendar icon]

6. You can view or add immunizations, however, once you select the blue buttons, it will take you out of the Hep B module into the main ImmuNet application. **SAVE** all work before adding immunizations.

Hep B Vaccine History ▲

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The following vaccines have been given to the patient: [View vaccine History](#)

History

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
HepB	04/24/2017	NOT VALID	Engerix-B Adult ®	Full				

Current Age: 53 years, 2 months, 12 days

Vaccines Recommended by Selected Tracking Schedule [Add Immunization](#)

Select	Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date
	HepB	05/22/2017	05/22/2017	05/22/2017	

7. You can view/edit lab results

Lab Results ▲


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Review	Remove	Test Date	HBsAg Result	Anti-HBs Result	HBeAg Result	HBV DNA Qualitative Result
<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	01/01/2017	Positive	Positive	Positive	Positive (10000 IU/mL)
<input type="radio"/>	<input type="checkbox"/>	01/10/2017	Positive	Positive	Positive	Negative

Add New Lab Results:

[Add New Lab Results](#)

[Apply Changes](#)

Test Date: 

HBsAg Result:

Anti-HBs Result:

HBeAg Result:

HBV DNA Qualitative Result:

HBV DNA Qualitative Result Value: IU/mL

Other infections or conditions of interest to Case:

8. You can view/add comments

Comments (2) ▲


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Patient Comment Listing

Remove	Date	Case Comment
<input checked="" type="checkbox"/>	04/10/2017	Serology letter sent
<input type="checkbox"/>	04/10/2017	Child not been to clinic

Add New Comment

Case Comment:

Date: 

[Add Comment](#)

9. You can add/edit notes

Notes (2) ▲

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Enter Text of Note:

[Save Note](#)

Delete	Created By	Created Date	Note
<input type="checkbox"/>	Baisnav, Samir	03/30/2017 02:54 PM	this is test Note
<input type="checkbox"/>	Baisnav, Samir	03/30/2017 11:03 AM	test

10. Click **SAVE** to retain all your entered information.

Maternal Hep B Case					
Patient Information					ImmuNet ID: 1250264
					Perinatal Hep B ID:
Patient Name (First - MI - Last)	DOB	Gender	Mother's Maiden	Tracking Schedule	Patient ID
SAMPLE MOTHER	06/15/1998	F		ACIP	
Address		100 MAIN AVE, PASADENA, MD 21122 (410) 123-4567			
Comments					
Perinatal Case Listing		Patient Demographics		Save	Cancel

11. Once saved, the Perinatal Hep B ID will appear. This mother is now searchable from the Perinatal Hep B Cases Link

** Patient Updated **

Maternal Hep B Case					
Patient Information					ImmuNet ID: 1250264
					Perinatal Hep B ID: 33
Patient Name (First - MI - Last)	DOB	Gender	Mother's Maiden	Tracking Schedule	Patient ID
SAMPLE MOTHER	06/15/1998	F		ACIP	
Address		100 MAIN AVE, PASADENA, MD 21122 (410) 123-4567			
Comments					
Perinatal Case Listing		Patient Demographics		Save	Cancel

Add New Infant Hep B Cases

1. Search for the mother's Hep B case and under 'Infant Hep B Cases' click 'Add New Case'.

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Patients
Organization Reports
Inventory and Ordering
Data File Loading
Manage Org Selections
Perinatal Hep B Cases

Perinatal Hep B Case Listing						
Patient Information						ImmuNet ID: 1250264
						Perinatal Hep B ID: 33
Patient Name (First - MI - Last)	DOB	Gender	Mother's Maiden	Tracking Schedule	Patient ID	
SAMPLE MOTHER	06/15/1998	F		ACIP		
Address		100 MAIN AVE, PASADENA, MD 21122 (410) 123-4567				
Comments						
		Patient Demographics		Hep B Case Report		Cancel

Maternal Hep B Case					
Click Add/Edit Maternal Hep B Case button to add or edit Maternal Case.					Add/Edit Maternal Hep B Case
Select	Last Name	First Name	DOB	Status	Disposition at Time of Closure
<input type="checkbox"/>	MOTHER	SAMPLE	06/15/1998	Open	

Infant Hep B Cases ▲						
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Cases associated with Maternal Perinatal Hep B ID.						
Select	Perinatal Hep B ID	Last Name	First Name	DOB	Status	Disposition at Time of Closure
This patient has no Infant Hep B Case associated with it.						

- Search for the infant you want to add and click on the infant's last name. **If the infant does not show up in the search, you will need to add the child to ImmuNet. After adding the child, repeat step 1.**

Infant Hep B Patient Search Criteria / Results

First Name	Sample	Patient ID		<input type="button" value="Search"/> <input type="button" value="Advanced Search"/> <input type="button" value="Cancel"/>
Last Name	Child	ImmuNet ID		
Middle Name		Perinatal Hep B ID		
Birth Date				

Possible Matches: 1

Last Name	First Name	Middle Name	Birth Date	Perinatal Hep B ID	Mother's Maiden First	Mother's Maiden Last	Gender	Status
CHILD	SAMPLE		06/12/2023	32			M	N

- Add the infant's information. Every field in **blue** is required.

Hep B Case

Perinatal Hep B ID(Maternal): 33

Maternal Hep B Patient: **SAMPLE MOTHER**

Current Case Status:

Case Worker:

Date Case Opened:

Case Review Due Date:

Inbound Transfer from Out of State? State:

Language: Other Language:

Interpreter Used:

Date Case Closed:

Disposition at time of Closure:

TimeFrame Opened:

Hep B Eligibility:

Historical B Free ID:

- Enter additional case information. Every field in **blue** is required.

Case Information ▲

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Patient Date of Birth: Time of Birth: ☐ AM ☐ PM ☒ Unknown

Date Hep B Dose given (First Dose): Time Hep B Given (First Dose): ☐ AM ☐ PM ☒ Unknown

Hep B within 12 hours:

HBIG Given:

Date HBIG Dose given:

HBIG Within 12 Hours:

Time HBIG Given Within 12 hrs.: ☐ AM ☐ PM ☒ Unknown

HBIG Within 24 Hours:

Time HBIG Given Within 24 hrs.: ☐ AM ☐ PM ☒ Unknown

Birth Order: (for multiple births)

Infant < 2000 grams:

PVST Due Date:

Physician Information

Physician:

Organization Name:

Phone Number:

Email:

Date Notified:

- You can view or add immunizations, however, once you select those buttons, it will take you out of the Hep B module to the main ImmuNet application. **SAVE** all work before adding immunizations.

Hep B Vaccine History ▲

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The Following Vaccines have been given to the patient: **View Vaccine History**

History

Vaccine Group	Date Administered	Series	Trade Name	Dose Amount	Owned?	Reaction	Hist?	Edit
HepB	06/12/2023	1 of 3	Engerix-B Peds 10/0.5		No		Yes	

Current Age: 4 days

Vaccines Recommended by Selected Tracking Schedule **Add Immunization**

Select	Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date
<input type="checkbox"/>	HepB	07/10/2023	07/12/2023	10/07/2023	


- You can add/edit lab results. Please note that HBsAg and Anti-HBs Result are required.

Lab Results (1) ▲

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Review	Remove	Test Date	HBsAg Result	Anti-HBs Result	Additional Tests / Result
<input checked="" type="radio"/>	<input type="checkbox"/>	06/12/2023	Negative	Positive	

Add New Lab Results: **Add New Lab Results**

Test Date 06/12/2023 

HBsAg Result Negative ▼

Anti-HBs Result Positive ▼

Additional Tests

Additional Test Results

Other infections or conditions of interest to Case:

Apply Changes

- Add any applicable comments.

Comments (0) ▲

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Patient Comment Listing

Date	Case Comment
No Comments have been added for this patient.	

Add New Comment

Case Comment

Date 

Add Comment

8. Add any applicable notes.

Notes (1) ▲

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Enter Text of Note:

Save Note

Delete	Created By	Create Date	Note
<input type="checkbox"/>	Admin, HepB	06/16/2023 12:40 PM	This is a test note.

9. Be sure to click '**Save**' before exiting from the screen.

Run Perinatal Hep B Case Query

1. To generate a report of open and closed Hep B cases under your jurisdiction, click '**Hep B Case Query**', fill out the required information then click '**Generate**'.

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Hep B Case Query

[Report Status](#)

Select the Hep B Case

Current Case Status

Case Worker

Case Comment

Patient Status Indicator

Disposition at time of Closure

Enter the Date Criteria:

Date Case Opened Range: From To

Case Review Due Date Range: From To

Date Case Closed Range: From To

Select Query

☒ Query All Case Types

☐ Select from Maternal Hep B Case Information

Birth Hospital

Physician

Expected Due Date Range: From To

Months Since Last Hep B Test

☐ Select from Infant Hep B Case Information

Physician

Birth Date Range: From To

Hep B Immunization Due: From To

Exclude Patients more than Month(s) Overdue

Months Since Last Hep B Test

Generate **Cancel**

For more information about navigating ImmuNet, please refer to the [ImmuNet Quick Reference Guides](#) and [ImmuNet Training Videos](#). Contact **ImmuNet Support** ([here](#)) with any questions.

For Perinatal Hep B programmatic questions, please contact MDH Epidemiologists.