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 **Add New Infant Hep B Cases**
Run Perinatal Hep B Case Search **Run Perinatal Hep B Case Query**
Create New Maternal Hep B Cases

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
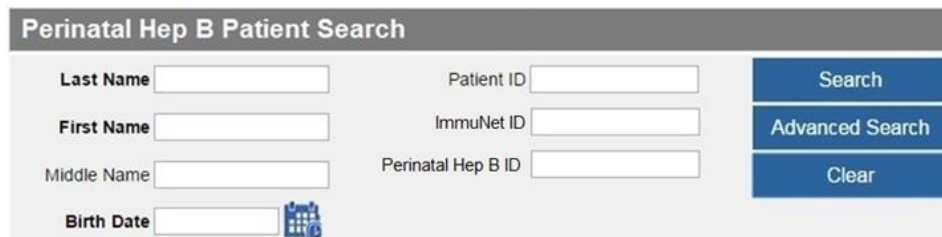
1. Log in to ImmuNet (www.mdimmunet.org)
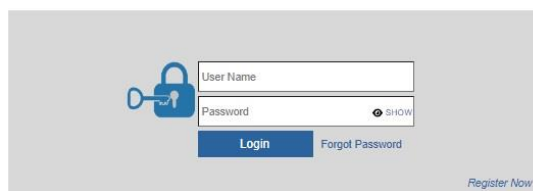
2. On the left menu, select the link for Perinatal Hep B Cases:

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.
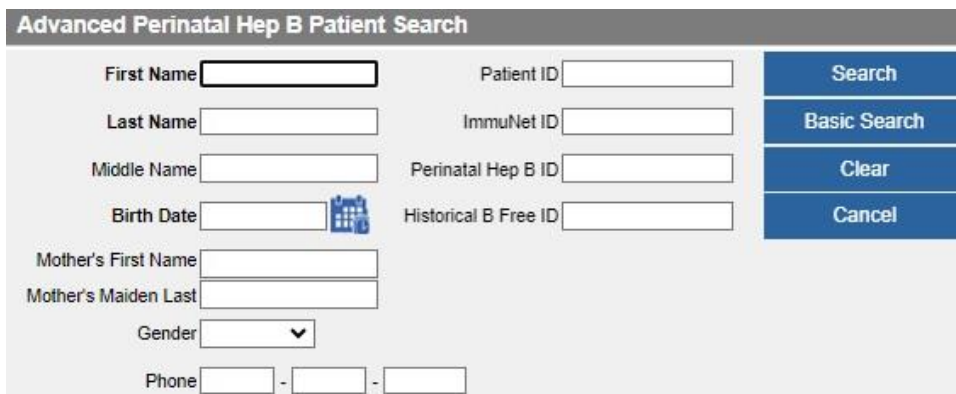
Run Perinatal Hep B Case Search

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)

   b. Advanced Search (add other parameters)

2. Select the last name of the patient:

Perinatal Hep B Patient Search Criteria / Results

First Name	Sample	Patient ID		Search
Last Name	Client	ImmuNet ID		Advanced Search
Middle Name		Perinatal Hep B ID		Cancel
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 | |

| 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
☐	CLIENT	SAMPLE	11/14/1999	Open	

Infant Hep B Cases ▲

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Cases associated with Maternal Perinatal Hep B ID.   Add New Case

Select	Perinatal Hep B ID	Last Name	First Name	DOB	Status	Disposition at Time of Closure
☐	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

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

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

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

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

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

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.

7. You can view/edit lab results

8. You can view/add comments

9. You can add/edit notes

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

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

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'**.

2. 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		Search
Last Name	Child	ImmuNet ID		Advanced Search
Middle Name		Perinatal Hep B ID		Cancel
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

3. 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	Open
Case Worker	CLINICIAN, SAMPLE - ANNE ARUNDEL COUNTY HEALTH
Date Case Opened	06/14/2023
Case Review Due Date	09/16/2023
Inbound Transfer from Out of State?	No State
Language	Other Language
Interpreter Used	
Date Case Closed	
Disposition at time of Closure	
TimeFrame Opened	Post-Delivery
Hep B Eligibility	Medicaid
Historical B Free ID	

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

Case Information ▲

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Patient Date of Birth	06/12/2023	Time of Birth		○ AM ○ PM ● Unknown
Date Hep B Dose given (First Dose)	06/12/2023	Time Hep B Given (First Dose)		○ AM ○ PM ● Unknown
Hep B within 12 hours	Yes			
HBIG Given	Yes			
Date HBIG Dose given	06/12/2023			
HBIG Within 12 Hours	Yes			
Time HBIG Given Within 12 hrs.		○ AM ○ PM ● Unknown		
HBIG Within 24 Hours	Yes			
Time HBIG Given Within 24 hrs.		○ AM ○ PM ● Unknown		
Birth Order		(for multiple births)		
Infant < 2000 grams	Yes			
PVST Due Date				

Physician Information

Physician	
Organization Name	
Phone Number	
Email	
Date Notified	

5. 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.

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

7. Add any applicable comments.

8. Add any applicable notes.

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'**.

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.