



TRANSPLANT QUALITY CORNER

ESSENTIAL QUALITY-FOCUSED TOPICS FOR TRANSPLANTATION

SEPTEMBER 2024, ISSUE 2



UNRAVELING THE
COMPLEXITIES OF COMPLIANCE

Understanding the Nuances of the HBV Vaccine OPTN Policy



THE Alliance

*Equipping a Modern Profession of Lifesavers
in Organ Donation & Transplantation*



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EDITOR'S NOTE

The Transplant Quality Corner presents a series of publications dedicated to enhancing transplant center outcomes through the utilization of the latest metrics, data collection techniques, and monitoring methods. Each publication encompasses an executive summary, background information, essential tools, actionable steps, references, and downloadable resources in the form of a concise one-page summary.

This issue focuses on understanding the nuances of the HBV vaccine OPTN policy.



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We extend our deepest gratitude to our contributors for their tireless efforts in bringing Transplant Quality Corner to life. Their dedication and expertise have been invaluable to the success of this project, and we are truly appreciative of their hard work and commitment.

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UNRAVELING THE COMPLEXITIES OF COMPLIANCE

Understanding the Nuances of the HBV vaccine OPTN policy

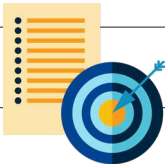


In August 2022, the OPTN aligned its policies with the U.S. 2020 Public Health Service (PHS) Guideline for assessing all transplant candidates for Hepatitis B vaccination.



EDUCATION

POLICY INTERPRETATION OPTN POLICY 15.2: CANDIDATE PRE-TRANSPLANT TESTING REQUIREMENTS		
WHAT	WHEN	REMINDERS
- Assessment of the candidate's HBV vaccination status - Reporting of candidate's vaccination status to OPTN. - If vaccination cannot be initiated or completed, the reason for not initiating or completing the HBV vaccination must be documented and reported to OPTN.	Part of medical evaluation prior to transplant	The <u>assessment</u> of HBV vaccination status (i.e., review of vaccination records, titers) must be explicitly stated in the medical record.
HBV: Hepatitis B Virus		



ACTION

1. Improving Compliance Through Process

- a. Leveraging EMR tools to create standardized documentation
 1. EPIC: Use of Smartphrase including HBV vaccination history, HBV titer results, patient vaccination status, and rationale mirroring TIEDI reporting fields
 2. Matching Epic deferral immunization nomenclature with TIEDI options.



1. Utilizing SmartPhrases can help providers document more efficiently by pulling in frequently used text and pulling data from the chart.

Assessment of Hepatitis B Vaccination Status

@HEPBIMMUHX@
@TXPLABREVIEW(HPBSRFCAB:1)@
U of U 'Immune Value': ≥ 10
Patient Vaccination Status:
{HBV Series Completion: 1650000106}

HBV Series Completion

☐ Series completed

☐ Series initiated - At this time, patient has not completed HBV vaccination series due to

Hep B No Vaccination Reasons

☐ Series to be initiated - At this time, patient has not initiated or completed HBV vaccination series due to

Hep B No Vaccination Reasons

☐ Not vaccinated - At this time, patient has not initiated or completed HBV vaccination series due to

Hep B No Vaccination Reasons

Hep B No Vaccination Reasons

Immunity

Medical precaution

Time constraints

Patient objection

Product out of stock

Other, specify

2. Matching Epic deferral immunization nomenclature with TIEDI options

Deferred Immunization

Name

Given

Deferral

ID	Name
226	Hep B, adult vaccine (Phebarvrio)
1	Adenovirus
51	Adenovirus vaccine, type 1, live, oral
188	Adenovirus vaccine, type 7, live, oral
188	Adenovirus vaccine, unspecified formulation
2	Anthrax
181	Anthrax immune globulin
801	A303 Adjuvant
4	BCG
90	Botulinum antitoxin
173	Cholera, BiWE
147	Cholera, live attenuated vaccine (Vaxchora)
516	Cholera, unspecified formulation
175	Cholera, VAX-001

Reasons	UNOS Value
History of disease	Prior Immunity
Contraindication	Medical Precaution
Patient Refused	Patient Objection
Other	Other, Specify
Transplant time constraints	Time Constraints
Prior immunity	Prior Immunity
Patient decision	Patient Objection
Immunocompromised	Medical Precaution
No longer needed	Other, Specify
Not available from manufacturer	Product Out of Stock
Parental decision	Patient Objection
Patient ill today	Medical Precaution
Pregnancy	Medical Precaution
Religious exemption	Patient Objection
Allergy	Medical Precaution

Search

Cancel

Show deleted

Show deferred

Show ages



2. Improving Compliance Through Monitoring

- a. Creation of check list tasks and tracking report in Epic- can be utilized by coordinators and quality team to track compliance.
- b. Auditing by transplant quality teams including reporting out on compliance rates and educating when noncompliance is noted.



LESSONS LEARNED ON THE JOURNEY TOWARD COMPLIANCE

1. Be aware of what kind of HBsAb testing (quantitative vs qualitative testing) is being ordered. Quantitative testing is often preferred as numerical value will better illustrate the level of immunity.
2. HBV vaccination series completion is dependent on the product that is received. Any supporting documentation supporting completion of vaccination series should include information regarding all doses of vaccination.
3. TIEDI Reporting Requirements

TIEDI FORM	WHAT TO REPORT	WHERE TO REPORT
Transplant Recipient Registration (TRR)	Assessment of HBV Vaccination Status Prior to Transplant for All Recipients	Vaccination Status: Did the recipient receive Hepatitis B vaccines prior to transplant?:* YES NO UNK If 'No' is selected, choose one of the following: - Immunity - Medical precaution - Time constraints - Patient objection - Product out of stock - Other, specify If a patient has received a full Hepatitis B vaccination series prior to transplant, select Yes. If unknown, select UNK. If 'No' is selected, select the reason from the list • Immunity: seropositive based on lab assay • Medical precaution: not vaccinated due to medical constraints • Time constraints: has not received series or full series due to urgency of transplant • Patient objection • Product out of stock Other, specify: Select this option if series is still in progress of completion & indicate "series still in progress". This option may be used for any other reason that is not listed in options above.



OPTN SURVEY READINESS

1. Provide documentation that:

- An assessment (and date of assessment) of the need for HBV vaccination prior to transplant and reason for not initiation or completing HBV vaccination series (if indicated)
- Vaccination status prior to transplant in medical records is consistent with the vaccination status reported in TIEDI

Assessment of Hepatitis B Vaccination Status

Ensure that date of assessment is included

Current Hep B Vaccine Record

Name	Date
HEPA/HEPB (Twinrix) Adult Im	12/30/2022 8:47 AM , 1/30/2023 9:38 AM

HBV vaccination records in EMR

	08/27/22 1106
HBSAb	<3.10

HBV titer testing

U of U "Immune Value": ≥ 10

Patient Vaccination Status:
Series initiated - At this time, patient has not completed HBV vaccination series due to time constraints

Vaccination status & reason HBV series is not complete

Vaccination Status:

Did the recipient receive Hepatitis B vaccines prior to transplant?: *

☐ YES ☒ NO ☐ UNK

Reason not vaccinated:

Time constraints

Reason not vaccinated matches EMR documentation



TOOLS & RESOURCES

- [OPTN policies to align with 2020 U.S. Public Health Service Guideline - Toolkit](#)
- [CDC PHS Guideline](#)
- [CDC Guidelines for Organ Transplants](#)
- [OPTN Policies and Evaluation Plan](#)
- [Notice of OPTN Policy Changes](#)
- [PHS – FAQs](#)
- [Lab testing FAQs](#)
- [UNOS Connect](#): search for the PHS Playlist
- [CDC Vaccination Schedule 2024](#)
- [Hepatitis B Foundation - Vaccination Schedule and Guidelines](#)