

Trauma Center Practice Management Guideline

Iowa Methodist Medical Center — Des Moines

Splenectomy Vaccines Pathway for Trauma Patients IMMC/ILH Adult Critical Care Areas

ADULT & PEDIATRIC Practice Management Guideline	Effective: 04/2024
Contact: Trauma Center Medical Director	Last Revised: 04/2024

CDC Immunization Recommendations for Patients with Functional or Anatomic Asplenia		
Vaccine	Primary Series	Revaccination (booster)
Pneumococcal PCV 20 or (PCV 13 + PPSV 23)	Based upon pneumococcal vaccination history	
Haemophilus influenzae type b Hib	1 dose	None
Meningococcal serotype ACWY MenACWY (Menveo)	2 doses, at least 8 weeks apart	Every 5 years
Meningococcal serotype B MenB (Bexsero)	2 doses, at least 1 month apart	One dose 1 year after completing the primary series and every 2-3 years thereafter
Influenza	1 dose at the start of influenza season	Annually

1. Patients with splenectomy may need additional immunizations for asplenia.
2. Patients with spleen embolization do NOT require immunizations.
3. Vaccines should be administered two weeks after splenectomy or prior to discharge, whichever comes first. Do not miss the opportunity to vaccinate.
4. The Asplenia/Splenectomy Vaccine Panel should be used to order the necessary vaccines.
 - a. Initial and subsequent doses of the meningococcal vaccines series should be ordered.
 - b. Initial doses should be administered prior to discharge.
 - c. Upon discharge, subsequent doses should be ordered to continue upon discharge. This improves communication for the patient and primary care provider on vaccines and timing for completing vaccine series on the After Visit Summary.
 - d. The Inpatient consult to Pharmacy directs the pharmacist to complete an immunization history and select of the correct pneumococcal vaccine, which may depend on patient age and immunization history.

Asplenia/Splenectomy Vaccine Panel ✔ Accept

pneumococcal 20-Val Conj Vacc (PREVNAR) (\$\$\$\$)
0.5 mL, Intramuscular, PRIOR TO DISCHARGE, Other, vaccination, Give 14 days post-splenectomy OR prior to discharge, whichever comes first. If giving more than one vaccine, give at alternative sites.

meningococcal conjugate (MENVEO ONE VIAL) injection
0.5 mL, Intramuscular, PRIOR TO DISCHARGE, Vaccination, for 1 dose, Give 14 days post-splenectomy OR prior to discharge, whichever comes first. If giving more than one vaccine, give at alternative sites.

meningococcal conjugate (MENVEO ONE VIAL) injection
0.5 mL, Intramuscular, ONCE, Starting 12/10/23, 60 days from initial administration. If giving more than one vaccine, give at alternative sites.

haemophilus B polysac conj (PEDVAX HIB) injection (\$\$\$)
0.5 mL, Intramuscular, PRIOR TO DISCHARGE, Vaccination, for 1 dose, Give 14 days post-splenectomy OR prior to discharge, whichever comes first. If giving more than one vaccine, give at alternative sites.

meningococcal Vac B (Recomb) (BEXSERO) injection - for patients greater than or equal to 10 years (\$\$\$\$)
0.5 mL, Intramuscular, PRIOR TO DISCHARGE, Other, vaccination, for 1 dose, If giving more than one vaccine, give at alternative sites.

meningococcal Vac B (Recomb) (BEXSERO) injection - for patients greater than or equal to 10 years (\$\$\$\$)
0.5 mL, Intramuscular, ONCE, Starting 11/10/23, 30 days from initial administration OR give concurrently with 2nd Menveo vaccine. If giving more than one vaccine, give at alternative sites.

influenza virus vaccine injection (\$\$\$)
1 each, Intramuscular, PRIOR TO DISCHARGE, Vaccination, for 1 dose, If giving more than one vaccine, give at alternative sites.

Inpatient consult to Pharmacy
Routine, ONCE, today at 1332, For 1 occurrence
Reason for Consult? Assess and order pneumococcal vaccine based on immunization status.

Next Required ✔ Accept

References:

- Freeman JJ, Yorkgitis BK, Haines K, et al. Vaccination after spleen embolization: A practice management guideline from the Eastern Association for the Surgery of Trauma. *Injury*. 2022; 53:3569-74.
- Centers for Disease Control and Prevention. Adult Immunization Schedule, by Medical Indications. November 2023. [Adult Immunization Schedule, By Medical Indications | CDC](https://www.cdc.gov/vaccines/imz/downloads/pdf/adult-immunization-schedule-by-medical-indications-11-2023.pdf)

- Wodi AP, Murthy N, McNally VV, et al. Advisory Committee on Immunization Practices Recommended Immunization Schedule for Children and Adolescents Aged 18 Years or Younger—United States, 2024. *MMWR Weekly*. January 11, 2024;73(1):6-10.
- Kobayashi M, Pilishvili T, Farrar JL, et al. Pneumococcal vaccine for adults aged ≥ 19 years: Recommendations of the Advisory Committee on Immunization Practices, United States, 2023. *MMWR Recomm Rep* 2023; 72(RR-3):1-39.