

Vaccinating Recipients of Hematopoietic Stem Cell Transplants

A hematopoietic stem cell transplant (HSCT) results in immunosuppression because of the hematopoietic ablative therapy administered before the transplant, drugs used to prevent or treat graft-versus-host disease, and in some cases, from the underlying disease process necessitating transplantation. As a result, HSCT recipients should be revaccinated routinely after HSCT, regardless of the source of the transplanted stem cells. *Taken from the CDC Centers for Disease Control and Prevention.*

Please note that vaccination does not occur at your first appointment with the Infectious Disease physician but rather approximately six months after your transplant.

Date of HCST _____

Months from HSCT	6	8	10	12	24
Approximate month and year	____ / ____	____ / ____	____ / ____	____ / ____	____ / ____
GET YOUR	INACTIVATED	INFLUENZA	VACCINE	EVERY	FALL
	Pevnar ¹ Hib ² Tdap ³ Twinrix ⁴ HPV ⁵ Polio ⁶	Pevnar Hib Td ⁷ Twinrix HPV Polio	Pevnar Hib Td Polio	Meningococcal ⁸ Pevnar or Pneumovax ⁹ HPV Twinrix	MMR ¹⁰ Varivax ¹¹

¹Pevnar = 13-valent conjugated pneumococcal vaccine

²Hib = Haemophilus influenzae conjugate vaccine

³Tdap = tetanus toxoid, diphtheria toxoid & acellular pertussis vaccine

⁴Twinrix = combined hepatitis B virus and hepatitis A virus vaccines

⁵HPV (Gardasil) = quadrivalent human papilloma virus vaccine only for those 11-26 years old

⁶Polio = inactivated polio vaccine

⁷Td = tetanus toxoid & diphtheria toxoid

⁸Meningococcal vaccine = Menactra (quadrivalent meningococcal conjugate vaccine). If concomitant administration with Pevnar, use Menveo (quadrivalent meningococcal conjugate vaccine)

⁹Pneumovax = 23-valent polysaccharide pneumococcal vaccine. Give Pneumovax if no chronic graft-versus-host disease (GVHD). Give Pevnar if ongoing chronic GVHD.

¹⁰MMR = mumps-measles-rubella. If measles antibody is unprotective, no ongoing GVHD, not on immunosuppressive medications and has not received IVIG in the preceding 8-11 months.

¹¹Varivax = varicella zoster (Chicken pox) vaccine. If varicella zoster antibody is unprotective, no ongoing GVHD, not on immunosuppressive medications & has not received IVIG in the preceding 8-11 months. Please note that Zostavax (shingles vaccine) is contraindicated.

In addition to the above schedule, if the patient is planning to travel out of the United States of America, we recommend scheduling a visit to an International Travel Clinic several months in advance.

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