

Adult Hematopoietic Stem Cell Transplant Recommended Vaccinations

6 months after HSCT	7 months after HSCT	8 months after HSCT	12 months after HSCT	14 months after HSCT	24 months after HSCT
Pneumococcal conjugate 13 (Pevnar 13®) 0.5 CC IM Date:	Pneumococcal conjugate 13 (Pevnar 13®) 0.5 CC IM Date:	Pneumococcal conjugate 13 (Pevnar 13®) 0.5 CC IM Date:			Pneumococcal Polysaccharide (Pneumovax®, Pneumo-23®) ❶ 0.5 CC IM/SC Date:
DTaP-IPV-HIB (Pediaceal®)* Date:		DTaP-IPV-HIB (Pediaceal®)* Date:	DTaP-IPV-HIB (Pediaceal®)* Date:		DTaP-IPV-HIB (Pediaceal®)* Date:
			Hepatitis B (Engerix®, Recombivax®) ❷ (administer double dose) Date:	Hepatitis B (Engerix®, Recombivax®) (administer double dose) Date:	Hepatitis B (Engerix®, Recombivax®) (administer double dose) Date:
(Meningococcal quadrivalent conjugate (Groups A, C, Y, W-135) Menactra, Menveo™ 0.5 CC IM Date:		(Meningococcal quadrivalent conjugate (Groups A, C, Y, W-135) Menactra, Menveo™ 0.5 CC IM Date:		(Meningococcal quadrivalent conjugate (Groups A, C, Y, W-135) Menactra, Menveo™ 0.5 CC IM Date:	
Influenza (after HSCT and yearly) (Vaxigrip®, Fluviral®, Agriflu®) 0.5 CC IM ❸					MMR ❸ ❹ 0.5 CC SC (x 2 doses 6-12 months apart) Varicella 0.5 CC SC (Varilrix®) ❸ ❹ ❺ (give 2 doses, 2 months apart)

❶ Repeat the dose once in 5 years.

❷ One-six months after third dose of hepatitis B vaccine, perform serology for anti-HBs. If testing indicates inadequate protection, provide an additional 3 doses of hepatitis B vaccine. Retest anti-HBs one month after the second series of hepatitis B vaccine.

❸ Screen antibody status at 24 months post transplant and **only give** if seronegative and the patient doesn't have GVHD and not on immunosuppressants.

❹ Live attenuated vaccines (MMR, varicella), use only if patient does not have significant chronic graft-versus-host disease (cGVHD) and is not on immunosuppressants for 3 months and **approval by hematologist** (see attached list). Must not be given earlier than 24 months post BMT. Must either administer vaccines on the same day together or separate administration by at least 4 weeks.

❺ One month after receipt of second Varilrix dose test for VZV antibody. If antibody is not detectable, the client should be offered Varig on subsequent exposure to wild type varicella.

❻ Do not administer Flumist - live attenuated influenza vaccine. If seasonally appropriate, vaccination with influenza may commence 3 months after HSCT, if this is done < 6 months post transplant, a 2nd dose should be offered 28 days later.

*DTaP-IPV-HIB (Pediaceal) is not officially indicated for patients >7 years of age. Recommendation for use in this population is based upon expert opinion.

Hep A is not publicly funded for this population. May be given along with Hep B as TwinRix®.