

## UCMC Vaccine Recommendations for Adult Transplant Candidates - Pre-Transplant

- As part of the transplant evaluation review the vaccine history with all candidates for vaccines listed below
  - Identify which vaccines the candidate HAS received and those which HAVE NOT been received or require a booster
  - Develop care plan to ensure candidate receives necessary vaccines/boosters *PRIOR* to transplant
  - Review status during each encounter with candidate until up to date/complete
- Avoid vaccination for 30 days prior to scheduled living donor transplantations

Vaccine	Type	Recommended for Candidates?	Who should receive the vaccine?	Series
Hepatitis A	Inactivated	YES	Negative antibody to hepatitis A (Anti-HAV)	2 doses (Months 0 and 6)
Hepatitis B	Inactivated	YES	Negative for BOTH surface antibody (HepBsAb) and surface antigen (HepBsAg)	<b>Liver Candidates &amp; Renal Candidates (on dialysis)</b> 4 doses (40 mcg) (Months 0, 1, 2, 6) <b>Renal Candidates (no dialysis)</b> 3 doses (20 mcg) (Months 0, 1, 6)
Influenza	Inactivated	YES	All patients	1 dose annually High Dose if > 65yrs of age
	Live Attenuated	YES	All patients	1 dose annually
Pneumococcal, 13 valent protein conjugate vaccine (Pneumovax 13)	Inactivated	YES	All patients	1 dose in lifetime; ideally given before Pneumovax, but at least 1 year after Pneumovax if not
Pneumococcal, 23 valent polysaccharide vaccine (Pneumovax 23©)	Inactivated	YES	All patients	1 dose every 5 years; given at least 2 months after Pneumovax
Tetanus, diphtheria (TD), Tetanus, diphtheria and pertussis (Tdap)	Inactivated	YES	TD: all patients Tdap: if > 19 yrs old and haven't previously received	Tdap: 1 dose in lifetime TD: 1 dose every 5-10 yrs
Varicella zoster (Shingrix©)	Inactivated	YES	Patients ≥ 50 yrs old	2 doses (Months 0 and 2-6)

Additional information provided in table below however most candidates should have already received as a child or only if special circumstances were/are present. Include as part of transplant evaluation as appropriate

Vaccine	Type	Recommended for Candidates?	Who should receive the vaccine?	Series
Polio, inactivated	Inactivated	YES	All patients	3 doses (Months 0, 1, 6)
Human Papilloma Virus (HPV)	Inactivated	YES	Females and males 9 to 26 years of age	3 doses (Months 0, 2, 6)
<i>Neisseria meningitidis</i>	Inactivated	YES	All patients 11-18 years, asplenic patients, college students, military	1 dose
<i>Haemophilus influenzae</i>	Inactivated	YES	Often given during infancy, asplenic patients	2-3 doses
Rabies	Inactivated	Not routinely given	Recommended for exposures or potential exposures	IM x 5 doses (Days 0, 3, 7, 14, 28)
Measles, mumps, rubella (MMR)	Live Attenuated	YES	College student or >18 yrs and did not get at least one dose as a child	1 dose
BCG	Live Attenuated	Not routine in U.S.	When tuberculosis exposure is unavoidable	1 dose
Smallpox	Live Attenuated	Not routine in U.S.	Patients directly exposed to an individual with smallpox	1 dose
Rotavirus	Live Attenuated	NO	n/a	n/a

\*\*NOTE: Other vaccines, including travel vaccines (Yellow Fever, Vibrio cholera, Japanese encephalitis) should be discussed with Transplant ID