

## 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><br>4 doses (40 mcg) (Months 0, 1, 2,6)<br><b>Renal Candidates (no dialysis)</b><br>3 doses (20 mcg) (Months 0, 1, 6) |
| Influenza  | Inactivated     | YES                         | All patients   | 1 dose annually<br>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<br>Tdap: if > 19 yrs old and haven't previously received  | Tdap: 1 dose in lifetime<br>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                                 |

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