

Table 7. Vaccination of Persons With Asplenia or a Sickle Cell Disease, Cochlear Implants, or Cerebrospinal Fluid Leak

Vaccine	Asplenia or a Sickle Cell Disease		Cochlear Implants ^a or Cerebrospinal Fluid Leak	
	Recommendation	Strength, Evidence Quality	Recommendation	Strength, Evidence Quality
<i>Haemophilus influenzae</i> b conjugate	U: age <5 y R: age ≥5 y	Strong, moderate weak, low	U	Strong, moderate
Hepatitis A	U	Strong, moderate	U	Strong, moderate
Hepatitis B	U	Strong, moderate	U	Strong, moderate
Diphtheria toxoid, tetanus toxoid, acellular pertussis; tetanus toxoid, reduced diphtheria toxoid; tetanus toxoid, reduced diphtheria toxoid, and reduced acellular pertussis	U	Strong, moderate	U	Strong, moderate
Human papillomavirus	U	Strong, moderate	U	Strong, moderate
Influenza-inactivated (inactivated influenza vaccine)	U	Strong, moderate	U	Strong, moderate
Influenza-live attenuated (live attenuated influenza vaccine)	X	Weak, very low	U	Strong, moderate
Measles, mumps, and rubella-live	U	Strong, moderate	U	Strong, moderate
Measles, mumps, and rubella-varicella-live	U	Strong, moderate	U	Strong, moderate
Meningococcal conjugate	R: age 2–55 y ^b	Strong, low	U	Strong, moderate
Meningococcal polysaccharide	R: age >55 y ^b	Strong, low	U	Strong, moderate
Pneumococcal conjugate (PCV13)	U: age <6 y ^c R: age ≥6 y ^d	Strong, moderate Strong, very low	U: age <6 y ^c R: age ≥6 y ^d	Strong, moderate strong, low
Pneumococcal polysaccharide (PPSV23)	R: age ≥2 y ^e	Strong, low	R: age ≥2 y ^e	Strong, moderate
Polio-inactivated (inactivated poliovirus vaccine)	U	Strong, moderate	U	Strong, moderate
Rotavirus-live	U	Strong, moderate	U	Strong, moderate
Varicella-live	U	Strong, moderate	U	Strong, moderate
Zoster-live	U	Strong, moderate	U	Strong, moderate

Abbreviations: R, recommended—administer if not previously administered or not current; such patients may be at increased risk for this vaccine-preventable infection; U, usual—administer if patient not current with recommendations for dose(s) of vaccine for immunocompetent persons in risk and age categories; X, contraindicated.

^a Includes patients with profound hearing loss who are scheduled to receive a cochlear implant or have inner ear–cerebrospinal fluid communication.

^b A 2-dose primary series should be administered with an additional dose every 5 years.

^c Two doses of PCV13 for children aged 2–5 years who have not received doses of PCV or received <3 doses of PCV7.

^d If PCV13 has not been administered. For patients aged ≥19 years who have received PPSV23, PCV13 should be administered after an interval of ≥1 year after the last PPSV23 dose (weak, low).

^e Administer 8 or more weeks after indicated dose(s) of PCV13 with a single revaccination with PPSV23 5 years after the initial dose (strong, moderate).