

Vaccine Schedules for Children with Sickle Cell Disease and Asplenia

Recommendations for vaccines with pneumococcal, meningococcal, Haemophilus influenza type B, Hepatitis B and influenza vaccines. All other routine immunizations should also be kept up to date. Vaccines should be completed 14 days prior to splenectomy. If this is not possible, vaccines should be given 14 days post splenectomy. If compliance after discharge is not assured, then vaccines should be given before discharge from the hospital even if less than 14 days has elapsed since splenectomy.

T,	ABLE 1. Va	ccines rec	ommende	d according to	age	at diagnosis of aspl	enia	a or hyposplenia		
Age at which asplenia determined and Immunizations up-to-date for age	Infant less than 12 months					12 to less than or equal to 24 months		Greater than or equal to 2 years		Supplementary dosing
Pneumococcal vaccir	e									
PCV13 (Prevnar) (4 doses in young children) Pneumococcal	✓ 2 mos	✓ 4 mos	✓ 6 mos	✓ 12 to 15 mos		✓ ✓ 2 doses 8 weeks apart		✓ 1 dose if no prior PCV vaccine or only prior PCV7 or PCV10 ✓		1 additional dose
polysaccharide vaccine (PPV23)								1 dose (at least 8 weeks after PVC)		5 years after first dose of PPV23 [*]
Neisseria meningitid	is serogrou	ups A, C, V	V, Y conjug	ated vaccine						
Men ACWY-CRM (Menveo) OR	\checkmark	~	√	~		✓ ✓2 doses8 weeks apart		✓ ✓2 doses8 weeks apart		✓ every 5 years
Men ACWY-T (Nimenrix) OR	✓	~		✓ 12 mos		✓ ✓2 doses8 weeks apart		 ✓ ✓ 2 doses 8 weeks apart 		✓ every 5 years
Men ACWY-D (Menactra)			9 mos ✓	 ✓ 11 mos AND ✓ 12 to 15 mos 		✓ ✓ 2 doses 8 weeks apart		✓ ✓ 2 doses 8 weeks apart		✓ every 5 years
Neisseria meningitid	is serogrou	up B vaccii	ne	•						
4 component 4CMenB (Bexero) OR	\checkmark \checkmark or \checkmark 2 or 3 doses 8 weeks apart					✓ ✓ 2 doses 8 weeks apart		 ✓ ✓ 2 doses 4 to 8 weeks apart if not previously received 		No booster doses recommended
Bivalent MenBFHbp (Trumenba)								Licensed for persons 10 to 25 years of age; 3 doses (2 doses given 4 weeks apart, with another dose at least 4 months after dose two and at least 6 months after dose one).		No booster doses recommended
Haemophilus influen	zae type b	vaccine								
	✓	~	✓	✓ 18 mos		✓ ✓ 2 doses 8 weeks apart		✓ 1 dose		All patients greater than or equal to 5 years should receive one dose of Hib vaccine regardless of previous vaccinations
Influenza vaccine ≻ 6 mos of age										
-otherwise follow the	• •	•			-	enia who are expose	a to	o multiple/chronic tra	nst	usions
> 3 doses	v 0 mos	1 mos	f guidance √ 6 mos				mune	-		rtently beyond the 6 e 1 month after the dose – if
	cated in an ir es in the same ermission fro	nmunocomp e visit in sepa m the Canad	romised child. rate sites. ian Pediatric S			-	-	nfections in children with as CanHaem Sickle Cell Diseas		