

**CDC vaccine recommendations for patients with Sickle Cell Disease (SCD) (Includes Hgb SS, Hgb SC, Hgb SB null and Hgb SB minor)**

**Newborn-Two Years of Age**

**Meningococcal and Haemophilus Influenzae Type B (Hib) Vaccinations**

MenHibrix at 2, 4, 6 months of age with a booster dose administered at 12-15 months of age

If first dose of MenHibrix is given after 12 mo of age, administer 2 doses of MenHibrix at least 8 weeks apart

If Unable to use MenHibrix, follow routine Hib vaccination recommendations **and also** administer Menveo at 2, 4, 6, and 12 months of age

If starting at 7-23 months and unable to use MenHibrix, administer 2 doses of Menveo with the second dose at least 12 weeks after the first dose AND after the first birthday

Children between 12-59 months of age that have not received any Hib vaccination or those that have only received 1 dose should receive 2 additional Hib vaccines at least 8 weeks apart

Children who received 2 or more doses of the Hib vaccine before 12 months of age should receive 1 additional dose

If using Menactra, do not administer until at least 24 months of age, and do not administer 1<sup>st</sup> dose until at least 4 weeks after last PCV13 is administered.

**Pneumococcal Vaccination**

Administer recommended routine PCV13 series at 2, 4, 6, and 12-15 months of age

For children 14-59 months of age that have received an age appropriate dose of PCV7 vaccinations, administer a single supplemental dose of PCV13

**Two Years of Age and Older**

**Pneumococcal Vaccination**

The minimal dosing interval between PCV and PCV/PPS vaccines is 8 weeks.

Complete PCV13 vaccinations prior to administering PPS23

If patient only vaccinated with PCV7 or received only 3 PCV13 doses, administer one supplemental PCV13 vaccine

For children 2-5 years of age that have received less than 3 doses of PCV7 or PCV13 vaccines, administer 2 PCV13 vaccines at least 8 weeks apart.

For children 6 years of age or older that have received less than 3 doses of PCV7 or PCV13, administer one dose of PCV13 with a PPS23 vaccine at least 8 weeks later.

Administer PPS23 at least 8 weeks after completion of PCV13 vaccine series with a single PPS23 revaccination administered 5 years later

If PPS23 has been administered, but PCV13 has not been administered, give one dose of PCV13 at least 8 weeks after last PPS23 vaccine.

#### *Meningococcal vaccination*

Children without a history of Meningitis vaccination should receive 2 primary doses of Menactra or Menveo at least 8 weeks apart (administer at least 4 weeks after completion on PCV13 series)

If Meningococcal vaccine series completed before 7 years of age, administer booster dose 3 years after completion of series and then subsequent booster doses every 5 years

If Meningococcal vaccine series completed after 7 years of age, administer booster doses every 5 years.

#### *Haemophilus Influenzae Type B (Hib)*

Children between 12 and 59 months that have not received any Hib vaccination or those that have only received 1 dose should receive 2 additional Hib vaccines at least 8 weeks apart

Children who received 2 or more doses of the Hib vaccine before 12 months of age should receive 1 additional dose

Although Hib vaccination is not routinely provided to children over the age of 5, it is recommended in certain high risk conditions. Children older than 5 years of age with SCD that have not yet received any Hib vaccinations, should receive one Hib vaccine.

#### References

Centers for Disease Control and Prevention. (2015). Recommended immunization schedule for persons age 0 through 18 years. Retrieved from <http://www.cdc.gov/vaccines/schedules/hcp/imz/child-adolescent-compliant.html>

Cohn, A. C., MacNeil, J. R., Clark, T. A., Ortega-Sanchez, I. R., Briere, E. Z., Meissner, H. C., . . . Messonnier, N. E. (2013). Prevention and control of meningococcal disease: Recommendations of the advisory committee on immunization practices. *Morbidity and Mortality Weekly Report*, 62(RR02), 1-22. Retrieved from <http://www.cdc.gov/mmwr/preview/mmwrhtml/rr6202a1.htm>

