<table>
<thead>
<tr>
<th>Age</th>
<th>Visits</th>
<th>Labs</th>
<th>Penicillin Prophylaxis</th>
<th>Additional Immunizations</th>
<th>Screenings</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 6 months</td>
<td>Every 2 months w/ PCP; Hematology every 3 months</td>
<td>CBC w/diff and retic each visit; Confirmatory hemoglobinopathy panel at first visit</td>
<td>Begin 125 mg po bid at diagnosis</td>
<td>All standard immunizations - PCV13 series is essential! PLUS: *Begin MCV4 series if using Menveo 4-dose series at 2, 4, 6, and 12 months</td>
<td>Standard practice</td>
</tr>
<tr>
<td>7 months – 12 months</td>
<td>Every 3 months w/ PCP; Hematology every 3 months</td>
<td>CBC w/diff, retic each visit; hemoglobinopathy panel after 6 months of age</td>
<td>125 mg po bid</td>
<td>All standard immunizations - PCV13 series is essential! - Flu vaccine PLUS: <em>Begin MCV4 series if not previously given and if using Menveo - see instructions below</em></td>
<td>Neurodevelopmental screening</td>
</tr>
<tr>
<td>1 - 2 years</td>
<td>Every 3 months w/ PCP; Hematology every 3-6 months Pulse ox checks</td>
<td>CBC w/diff and retic each visit; iron studies, CMP, lead level, urinalysis</td>
<td>125 mg po bid</td>
<td>All standard immunizations - Flu vaccine PLUS: <em>continue MCV4 series if using Menveo starting a 7-12 mos of age</em></td>
<td>- Neurodevelopmental screening - Dental exams every 6 months</td>
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<tr>
<td>2 - 5 years</td>
<td>Every 6 months w/ PCP; Hematology every 6 months Pulse ox checks</td>
<td>CBC w/diff and retic each visit; CMP, urinalysis annually</td>
<td>At 3 years, Penicillin increased to 250 mg po bid</td>
<td>All standard immunizations - Flu vaccine - PPSV23 at 2 years is essential! PLUS: * Give MCV4 Menguadfi at 2 years if MCV4 not already given &amp; a booster 8 weeks later</td>
<td>Transcranial Doppler studies (TCD) yearly for 2-16 years old to assess stroke risk for Hgb SS &amp; S-Beta null thalassemia - Neurodevelopmental screening - Dental exams every 6 months</td>
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<tr>
<td>Over 5 years</td>
<td>PCP every 6 -12 months; Hematology at least annually Pulse ox checks</td>
<td>CBC w/diff and retic each visit; CMP, urinalysis annually</td>
<td>Consult with hematology</td>
<td>All standard immunizations PLUS: - Flu vaccine - PPSV23 booster at 5 years old essential! - MCV4 booster at 4-5 years old (3 years after completion of primary series)</td>
<td>- TCD yearly for 2-16-year-old to assess stroke risk for Hgb SS &amp; S-Beta null thalassemia - Yearly retinal exams and urinary microalbumin starting at age 10. - Dental exams every 6 months</td>
</tr>
<tr>
<td>Adolescence</td>
<td>PCP yearly; Hematology at least annually. Pulse ox checks Develop a transition plan.</td>
<td>CBC w/diff and retic each visit; CMP, urinalysis annually; ferritin at least once</td>
<td>Consult with hematology</td>
<td>All standard immunizations PLUS: - Flu vaccine - MCV4 booster every 5 years - MenB at 10 years old</td>
<td>- TCD yearly for 2-16-year-old to assess stroke risk for Hgb SS &amp; S-Beta null thalassemia - Yearly retinal exams and urinary microalbumin. - Dental exams every 6 months</td>
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**IMMUNIZATION GUIDELINES**

*Meningococcal ACWY* – there are different meningococcal vaccine options that available and approved for starting at different ages.

- If primary series/dose given before 6 years old, repeat booster after 3 years and every 5 years thereafter.
- If primary series/dose given at 7+ years old, give a booster 5 years thereafter.
- **Meneveo**
  - If initiating vaccination at 2 months of age, administer as a 4-dose series at 2, 4, 6, and 12 months of age.
  - If initiating vaccination at 7 months through 23 months of age, administer as a 2-dose series with the second dose administered after the 1st birthday and at least 3 months after the first dose.
  - In children >2 years old, administer as 2-dose series 8 weeks apart.
- **Menquadfi**
  - For children 2 years old and older.
  - 2-dose series, 8 weeks apart.
  - If primary series is given before 6 years old, give booster after 3 years, and every 5 years thereafter.
  - If primary series is given at 7+ years old, give every 5 years thereafter.
  - Do not give at the same time at PCV13. Give at least 4 weeks after the completion of all PCV13 doses.
- **Meningococcal B** – starting at 10 years old
  - Bexsero – 2 dose series, 4 weeks apart.
  - Trumenba – 3 dose series, first dose followed by second dose 1-2 months later, third dose 6 months after the second dose.

**Pneumococcal Conjugate (PCV13) & Pneumococcal Polysaccharide (PPSV23)**

- Routine 4-dose PCV13 series at 2, 4, 6 & 12-15 months.
- PCV13 and PPSV23 should not be given on the same day.
- All PCV13 should be administer before PPSV23, if possible.
- **Age 2-5 years**
  - Any incomplete series with:
    - 3 PCV doses: give 1 dose of PCV13 at least 8 weeks after previous PCV13 doses.
    - Fewer than 3 PCV doses: give 2 PCV13 doses (all PCV13 doses 8 weeks apart).
    - Give PPSV23 as soon as possible after age 2 and at least 8 weeks after PCV13. Repeat in 3 years.
    - No history of PPSV23: 1 dose of PPSV23 at 2 years of age (at least 8 weeks after completing all PCV13 doses) & a second dose of PPSV23 3 years later.
- **Age 6-18 years**
  - No history of PCV13 or PPSV23: give 1 dose of PCV13 followed by PPSV23 at least 8 weeks later. Second dose of PPSV23 should be administered in 5 years.
  - History of partial PCV13 but no PPSV23: give 2 doses of PPSV23 starting at 8 weeks after the past PCV13. PPSV23 doses should be 5 years apart.
  - History of PPSV23 but no PCV13: give 1 dose of PCV13 at least 8 weeks after the most recent PPSV23. Give a second dose of PPSV23 at least 5 years after the first dose and 8 weeks after the PCV13.
- **Hib** – One dose of Hib vaccine for people aged >5 years if they have not previously received Hib.

**COVID-19** vaccinations are recommended.

**References**
