# The routine immunisation schedule from Autumn 2018

<table>
<thead>
<tr>
<th>Age due</th>
<th>Diseases protected against</th>
<th>Vaccine given and trade name</th>
<th>Usual site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eight weeks old</td>
<td>Diphtheria, tetanus, pertussis (whooping cough), polio,</td>
<td>DTaP/IPV/Hib/HepB</td>
<td>Thigh</td>
</tr>
<tr>
<td></td>
<td><em>Haemophilus influenzae</em> type b (Hib) and hepatitis B</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pneumococcal (13 serotypes)</td>
<td>Pneumococcal conjugate vaccine (PCV)</td>
<td>Thigh</td>
</tr>
<tr>
<td></td>
<td>Meningococcal group B (MenB)</td>
<td>MenB</td>
<td>Left thigh</td>
</tr>
<tr>
<td></td>
<td>Rotavirus gastroenteritis</td>
<td>Rotavirus</td>
<td>By mouth</td>
</tr>
<tr>
<td>Twelve weeks old</td>
<td>Diphtheria, tetanus, pertussis, polio, Hib and hepatitis B</td>
<td>DTaP/IPV/Hib/HepB</td>
<td>Thigh</td>
</tr>
<tr>
<td></td>
<td>Rotavirus</td>
<td>Rotavirus</td>
<td>By mouth</td>
</tr>
<tr>
<td>Sixteen weeks old</td>
<td>Diphtheria, tetanus, pertussis, polio, Hib and hepatitis B</td>
<td>DTaP/IPV/Hib/HepB</td>
<td>Thigh</td>
</tr>
<tr>
<td></td>
<td>Pneumococcal (13 serotypes)</td>
<td>PCV</td>
<td>Thigh</td>
</tr>
<tr>
<td></td>
<td>MenB</td>
<td>MenB</td>
<td>Left thigh</td>
</tr>
<tr>
<td>One year old (on or after the child's first birthday)</td>
<td>Hib and MenC</td>
<td>Hib/MenC</td>
<td>Upper arm/ thigh</td>
</tr>
<tr>
<td></td>
<td>Pneumococcal</td>
<td>MenB booster</td>
<td>Bexsero</td>
</tr>
<tr>
<td></td>
<td>Measles, mumps and rubella (German measles)</td>
<td>PCV</td>
<td>MMR</td>
</tr>
<tr>
<td>Eligible paediatric age</td>
<td>Influenza (each year from September)</td>
<td>Live attenuated influenza vaccine LAIV(^2),</td>
<td>Fluenz Tetra(^2),</td>
</tr>
<tr>
<td>groups(^1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three years four months</td>
<td>Diphtheria, tetanus, pertussis and polio</td>
<td>DTaP/IPV</td>
<td>Upper arm</td>
</tr>
<tr>
<td>or soon after</td>
<td>Measles, mumps and rubella</td>
<td>MMR (check first dose given)</td>
<td>MMR VaxPRO(^2) or Priorix</td>
</tr>
<tr>
<td>Girls aged 12 to 13</td>
<td>Cervical cancer caused by human papillomavirus (HPV) types 16</td>
<td>HPV (two doses 6-24 months apart)</td>
<td>Gardasil</td>
</tr>
<tr>
<td>years</td>
<td>and 18 (and genital warts caused by types 6 and 11)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fourteen years old</td>
<td>Tetanus, diphtheria and polio</td>
<td>Td/IPV (check MMR status)</td>
<td>Revaxis</td>
</tr>
<tr>
<td>(school year 9)</td>
<td>Meningococcal groups A, C, W and Y disease</td>
<td>MenACWY</td>
<td>Nimenrix or Menveo</td>
</tr>
<tr>
<td>65 years old</td>
<td>Pneumococcal (23 serotypes)</td>
<td>Pneumococcal Polysaccharide Vaccine (PPV)</td>
<td>Pneumococcal Polysaccharide Vaccine</td>
</tr>
<tr>
<td>65 years of age and</td>
<td>Influenza (each year from September)</td>
<td>Inactivated influenza vaccine</td>
<td>Multiple</td>
</tr>
<tr>
<td>older</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70 years old</td>
<td>Shingles</td>
<td>Shingles</td>
<td>Zostavax(^2)</td>
</tr>
</tbody>
</table>

2. Contains porcine gelatine.
3. If LAIV (live attenuated influenza vaccine) is contraindicated and child is in a clinical risk group, use inactivated flu vaccine.

All vaccines can be ordered from www.immform.dh.gov.uk free of charge except influenza for adults and pneumococcal polysaccharide vaccine.
## Selective immunisation programmes

<table>
<thead>
<tr>
<th>Target group</th>
<th>Age and schedule</th>
<th>Disease</th>
<th>Vaccines required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Babies born to hepatitis B infected mothers</td>
<td>At birth, four weeks and 12 months old(^1)(^2)</td>
<td>Hepatitis B</td>
<td>Hepatitis B (Engerix B/HBvaxPRO)</td>
</tr>
<tr>
<td>Infants in areas of the country with TB incidence &gt;= 40/100,000</td>
<td>At birth</td>
<td>Tuberculosis</td>
<td>BCG</td>
</tr>
<tr>
<td>Infants with a parent or grandparent born in a high incidence country(^3)</td>
<td>At birth</td>
<td>Tuberculosis</td>
<td>BCG</td>
</tr>
<tr>
<td>At risk children</td>
<td>From 6 months to 17 years of age</td>
<td>Influenza</td>
<td>LAIV or inactivated flu vaccine if contraindicated to LAIV or under 2 years of age</td>
</tr>
<tr>
<td>Pregnant women</td>
<td>During flu season</td>
<td>Influenza</td>
<td>Inactivated flu vaccine</td>
</tr>
<tr>
<td>Pregnant women</td>
<td>From 16 weeks gestation</td>
<td>Pertussis</td>
<td>dTaP/IPV (Boostrix-IPV or Repevax)</td>
</tr>
</tbody>
</table>

1. Take blood for HBsAg at 12 months to exclude infection.
2. In addition hexavalent vaccine (Infanrix hexa) is given at 8, 12 and 16 weeks.

## Additional vaccines for individuals with underlying medical conditions

### Medical condition

#### Asplenia or splenic dysfunction (including due to sickle cell and coeliac disease)

- Meningococcal groups A, B, C, W and Y
- Pneumococcal
- Haemophilus influenzae type b (Hib)
- Influenza

- Hib/MenC
- MenACWY
- MenB
- PCV13 (up to two years of age)
- PPV (from two years of age)
- Annual flu vaccine

#### Cochlear implants

- Pneumococcal

- PCV13 (up to two years of age)
- PPV (from two years of age)

#### Chronic respiratory and heart conditions (such as severe asthma, chronic pulmonary disease, and heart failure)

- Pneumococcal
- Influenza

- PCV13 (up to two years of age)
- PPV (from two years of age)
- Annual flu vaccine

#### Chronic neurological conditions (such as Parkinson's or motor neurone disease, or learning disability)

- Pneumococcal
- Influenza

- PCV13 (up to two years of age)
- PPV (from two years of age)
- Annual flu vaccine

#### Diabetes

- Pneumococcal
- Influenza

- PCV13 (up to two years of age)
- PPV (from two years of age)
- Annual flu vaccine

#### Chronic kidney disease (CKD) (including haemodialysis)

- Pneumococcal (stage 4 and 5 CKD)
- Influenza (stage 3, 4 and 5 CKD)
- Hepatitis B (stage 4 and 5 CKD)

- PCV13 (up to two years of age)
- PPV (from two years of age)
- Annual flu vaccine
- Hepatitis B

#### Chronic liver conditions

- Pneumococcal
- Influenza
- Hepatitis A
- Hepatitis B

- PCV13 (up to two years of age)
- PPV (from two years of age)
- Annual flu vaccine
- Hepatitis A
- Hepatitis B

#### Haemophilia

- Hepatitis A
- Hepatitis B

- Hepatitis A
- Hepatitis B

#### Immunosuppression due to disease or treatment\(^3\)

- Pneumococcal
- Influenza

- PCV13 (up to two years of age)
- PPV (from two years of age)
- Annual flu vaccine

#### Complement disorders (including those receiving complement inhibitor therapy)

- Meningococcal groups A, B, C, W and Y
- Pneumococcal
- Haemophilus influenzae type b (Hib)
- Influenza

- Hib/MenC
- MenACWY
- MenB
- PCV13 (to any age)
- PPV (from two years of age)
- Annual flu vaccine

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1. Check relevant chapter of green book for specific schedule.
2. To any age in severe immunosuppression.
3. Consider annual influenza vaccination for household members and those who care for people with these conditions.