

The routine immunisation schedule

from summer 2015

| Age due | Diseases protected against | Vaccine given and trade name | | Usual site ¹ |
|---|---|---|------------------------------------|--------------------------|
| Two months old | Diphtheria, tetanus, pertussis (whooping cough), polio and <i>Haemophilus influenzae</i> type b (Hib) | DTaP/IPV/Hib | Pediacel or Infanrix IPV Hib | Thigh |
| | Pneumococcal (13 serotypes) | Pneumococcal conjugate vaccine (PCV) | Prevenar 13 | Thigh |
| | Meningococcal group B (MenB) ² | MenB ² | Bexsero | Left thigh |
| | Rotavirus gastroenteritis | Rotavirus | Rotarix | By mouth |
| Three months old | Diphtheria, tetanus, pertussis, polio and Hib | DTaP/IPV/Hib | Pediacel or Infanrix IPV Hib | Thigh |
| | Meningococcal group C (MenC) | MenC | NeisVac-C | Thigh |
| | Rotavirus | Rotavirus | Rotarix | By mouth |
| Four months old | Diphtheria, tetanus, pertussis, polio and Hib | DTaP/IPV/Hib | Pediacel or Infanrix IPV Hib | Thigh |
| | MenB ² | MenB ² | Bexsero | Left thigh |
| | Pneumococcal (13 serotypes) | PCV | Prevenar 13 | Thigh |
| Twelve months old | Hib and MenC | Hib/MenC booster | Menitorix | Upper arm/thigh |
| | Pneumococcal (13 serotypes) | PCV booster | Prevenar 13 | Upper arm/thigh |
| | Measles, mumps and rubella (German measles) | MMR | MMR VaxPRO ³ or Priorix | Upper arm/thigh |
| | MenB ² | MenB booster ² | Bexsero | Left thigh |
| Two to six years old (including children in school years 1 and 2) | Influenza (each year from September) | Live influenza vaccine | Fluenz Tetra ^{3,4} | Both nostrils |
| Three years four months old | Diphtheria, tetanus, pertussis and polio | DTaP/IPV | Infanrix IPV or Repevax | Upper arm |
| | Measles, mumps and rubella | MMR (check first dose given) | MMR VaxPRO ³ or Priorix | Upper arm |
| Girls aged 12 to 13 years | Cervical cancer caused by human papillomavirus (HPV) types 16 and 18 (and genital warts caused by types 6 and 11) | HPV (two doses 6-12 months apart) | Gardasil | Upper arm |
| Fourteen years old (school year 9) | Tetanus, diphtheria and polio | Td/IPV (check MMR status) | Revaxis | Upper arm |
| | Meningococcal groups A, C, W and Y disease | MenACWY | Nimenrix or Menveo | Upper arm |
| 65 years old | Pneumococcal (23 serotypes) | Pneumococcal polysaccharide vaccine (PPV) | Pneumovax II | Upper arm |
| 65 years of age and older | Influenza (each year from September) | Inactivated influenza vaccine | Multiple | Upper arm |
| 70 years old | Shingles | Shingles | Zostavax ³ | Upper arm (subcutaneous) |

¹ Where two or more injections are required at once, these should ideally be given in different limbs. Where this is not possible, injections in the same limb should be given 2.5cm apart. For more details see Chapters 4 and 11 in the Green Book. All injected vaccines are given intramuscularly unless stated otherwise.

² Only for infants born on or after 1 May 2015

³ Contains porcine gelatine

⁴ If Fluenz is contraindicated and child is in 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 Pneumovax II.

Selective immunisation programmes

| Target group | Age and schedule | Disease | Vaccines required |
|--|---|--------------|---|
| Babies born to hepatitis B infected mothers | At birth, 1 and 2 months old Boost at 12 months old ¹ | Hepatitis B | Hepatitis B vaccine (Engerix B / HBvaxPRO) |
| Infants in areas of the country with TB incidence $\geq 40/100,000$ | At birth | Tuberculosis | BCG |
| Infants with a parent or grandparent born in a high incidence country ² | At birth | Tuberculosis | BCG |
| Pregnant women | During flu season At any stage of pregnancy | Influenza | Inactivated flu vaccine |
| Pregnant women | 28-32 weeks of pregnancy | Pertussis | dTaP/IPV (Boostrix-IPV or Repevax) |

¹ Take blood for HBsAg to exclude infection

² Where the annual incidence of TB is $\geq 40/100,000$ – https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/393840/Worldwide_TB_Surveillance_2013_Data_High_and_Low_Incidence_Tables____2_.pdf

Additional vaccines for individuals with underlying medical conditions

| Medical condition | Diseases protected against | Vaccines required ¹ |
|--|---|---|
| Asplenia or splenic dysfunction (including sickle cell and coeliac disease) ³ | Meningococcal groups A, B, C, W and Y Pneumococcal Haemophilus influenzae type b (Hib) Influenza | Hib/MenC MenACWY MenB PCV13 (up to five years of age) PPV (from two years of age) Annual flu vaccine |
| Cochlear implants | Pneumococcal | PCV13 (up to five years of age) PPV (from two years of age) |
| Chronic respiratory and heart conditions ³ (such as severe asthma, chronic pulmonary disease, and heart failure) | Pneumococcal Influenza | PCV13 (up to five years of age) PPV (from two years of age) Annual flu vaccine |
| Chronic neurological conditions ³ (such as Parkinson's or motor neurone disease, or learning disability) | Pneumococcal Influenza | PCV13 (up to five years of age) PPV (from two years of age) Annual flu vaccine |
| Diabetes ³ | Pneumococcal Influenza | PCV13 (up to five years of age) PPV (from two years of age) Annual flu vaccine |
| Chronic kidney disease (CKD) ³ (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 five years of age) PPV (from two years of age) Annual flu vaccine Hepatitis B |
| Chronic liver conditions ³ | Pneumococcal Influenza Hepatitis A Hepatitis B | PCV13 (up to five 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 five years of age) ² PPV (from two years of age) Annual flu vaccine |
| Complement disorders ³ (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 |

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