



# The complete routine immunisation schedule for Wales

## from May 2022

Age due	Diseases protected against	Vaccine and name		Usual site <sup>1</sup>
8 weeks old	Diphtheria, tetanus, pertussis (whooping cough), polio, <i>Haemophilus influenzae</i> type b (Hib) and hepatitis B	DTaP/IPV/Hib/HepB	Infanrix hexa or Vaxelis	Thigh
	Meningococcal group B (MenB)	MenB	Bexsero	Left thigh
	Rotavirus gastroenteritis	Rotavirus	Rotarix	By mouth
12 weeks old	Diphtheria, tetanus, pertussis, polio, Hib and hepatitis B	DTaP/IPV/Hib/HepB	Infanrix hexa or Vaxelis	Thigh
	Pneumococcal (13 serotypes)	PCV	Prevenar 13	Thigh
	Rotavirus gastroenteritis	Rotavirus	Rotarix	By mouth
16 weeks old	Diphtheria, tetanus, pertussis, polio, Hib and hepatitis B	DTaP/IPV/Hib/HepB	Infanrix hexa or Vaxelis	Thigh
	Meningococcal group B	MenB	Bexsero	Left thigh
12 -13 months old	Hib / Meningococcal group C	Hib/MenC	Menitorix	Upper arm/ thigh
	Pneumococcal	PCV booster	Prevenar 13	Upper arm/ thigh
	Measles, mumps and rubella	MMR	MMRVaxPRO or Priorix	Upper arm/ thigh
	Meningococcal group B	MenB booster	Bexsero	Left thigh
2 <sup>2</sup> and 3 years old and all school aged children	Influenza (annually from September)	Live attenuated influenza vaccine	Fluenz Tetra <sup>3</sup>	Both nostrils
3 years 4 months old	Diphtheria, tetanus, pertussis and polio	dTaP/IPV	Boostrix-IPV	Upper arm
	Measles, mumps and rubella	MMR	MMRVaxPRO or Priorix	Upper arm
School years 8 and 9 (12 to 14 year olds)	Cervical cancer, some head and neck and ano-genital cancers, and genital warts caused by human papillomavirus (HPV)	HPV <sup>4</sup> (two doses 6-24 months apart)	Gardasil or Gardasil 9	Upper arm
School year 9 (13 and 14 year olds)	Tetanus, diphtheria and polio	Td/IPV (check MMR status)	Revaxis	Upper arm
	Meningococcal groups A, C, W and Y	MenACWY	Nimenrix or Menveo	Upper arm
50 years of age and older	Influenza (annually from September)	Inactivated influenza vaccine	Multiple	Upper arm
65 years of age and older	Pneumococcal (23 serotypes)	Pneumococcal polysaccharide vaccine (PPV)	Pneumovax 23	Upper arm
70 years old (but under 80)	Shingles	Shingles	Zostavax or Shingrix <sup>5</sup>	Upper arm

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. Children must be 2 years old by 31 August to receive influenza vaccine in the routine programme in autumn/winter.

3. If Fluenz Tetra is contraindicated, use a suitable inactivated flu vaccine.

4. Check the relevant chapter of the Green Book for individuals requiring a 3 dose schedule.

5. 2 doses are required for individuals who are eligible for shingles vaccine, but who are contra-indicated to the receipt of Zostavax.

# Selective immunisation programmes

Target group	Age and schedule	Disease	Vaccines
Babies born to hepatitis B infected mothers	At birth and 1 month old. Boost at 12-13 months old <sup>1</sup>	Hepatitis B	Hepatitis B vaccines (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 <sup>2</sup>	At birth	Tuberculosis	BCG
People in a risk group for influenza	From 6 months to 50 years	Influenza	LAIV for children aged 2-17 years. Inactivated flu vaccine for other ages or if LAIV contraindicated
Additional groups eligible for a flu vaccine <sup>3</sup>	During flu season	Influenza	Inactivated flu vaccine
Pregnant women	From 16 weeks of pregnancy	Pertussis	dTaP/IPV (Boostrix-IPV)
Men who have sex with men	Up to and including 45 years	HPV <sup>4</sup> (two doses 6-24 months apart)	Gardasil or Gardasil 9

1. In addition to hexavalent vaccine (Infanrix hexa or Vaxelis) given at 8, 12 and 16 weeks. Take blood for HBsAg to exclude infection at 12/13 months.
2. Where the annual incidence of TB is  $\geq 40/100,000$  see [www.gov.uk/government/publications/tuberculosis-tb-by-country-rates-per-100000-people](http://www.gov.uk/government/publications/tuberculosis-tb-by-country-rates-per-100000-people).
3. Refer to annual flu Welsh Health Circular (WHC) for eligibility.
4. Check the relevant chapter of the Green Book for individuals requiring a 3 dose schedule.

## Additional vaccines for individuals with underlying medical conditions<sup>1</sup>

Medical condition	Diseases protected against	Vaccines required <sup>2</sup>
Asplenia or splenic dysfunction (including sickle cell and coeliac disease)	Meningococcal groups A, B, C, W and Y Pneumococcal Influenza	MenACWY MenB PCV13 (up to ten years of age) <sup>5</sup> PPV (from two years of age) Annual flu vaccine <sup>3</sup>
Cochlear implants, cerebrospinal fluid leaks	Pneumococcal	PCV13 (up to ten years of age) <sup>5</sup> PPV (from two years of age)
Chronic respiratory and heart conditions (such as moderate to severe asthma, chronic pulmonary disease, and heart failure)	Pneumococcal Influenza	PCV13 (up to ten years of age) <sup>5</sup> PPV (from two years of age) Annual flu vaccine <sup>3</sup>
Chronic neurological conditions (such as Parkinson's or motor neurone disease, or learning disability)	Pneumococcal Influenza	PCV13 (up to ten years of age) <sup>5</sup> PPV (from two years of age) Annual flu vaccine <sup>3</sup>
Diabetes	Pneumococcal Influenza	PCV13 (up to ten years of age) <sup>5</sup> PPV (from two years of age) Annual flu vaccine <sup>3</sup>
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 ten years of age) <sup>5</sup> PPV (from two years of age) Annual flu vaccine <sup>3</sup> Hepatitis B
Chronic liver conditions	Pneumococcal Influenza Hepatitis A & B	PCV13 (up to ten years of age) <sup>5</sup> PPV (from two years of age) Annual flu vaccine <sup>3</sup> Hepatitis A & Hepatitis B
Haemophilia	Hepatitis A & B	Hepatitis A & Hepatitis B
Complement disorders (including those receiving complement inhibitor therapy)	Meningococcal groups A, B, C, W and Y Pneumococcal Influenza	MenACWY MenB PCV13 (up to ten years of age) <sup>5</sup> PPV (from two years of age) Annual flu vaccine <sup>3</sup>
Immunosuppression due to disease or treatment	Pneumococcal Influenza	PCV13 (up to ten years of age) <sup>4,5</sup> PPV (from two years of age) Annual flu vaccine <sup>3</sup>

1. The list is not exhaustive. Other vaccines may be recommended for certain individuals.
2. Check relevant chapter of Green Book for specific schedule.
3. From six months of age.
4. To any age in severe immunosuppression.
5. If aged two years to under ten years of age and unimmunised or partially immunised against pneumococcal infection, give one PCV13 dose.