



Vaccines to protect your child

HPV, MenACWY and Tdap

Information for parents of children starting secondary school in 2019



There are three vaccines offered to protect your child from infectious diseases:

- **HPV vaccine** which protects against the HPV virus which can cause cancer
- **Meningococcal ACWY vaccine** which protects against four types of meningitis (inflammation of the lining around the brain) and /or septicaemia (blood poisoning) caused by meningococcal disease
- **Tdap vaccine** which protects against:
 - tetanus (tetanus toxin can cause painful muscle spasms and convulsions)
 - diphtheria (bacteria that can cause a sore throat and severe breathing difficulties) and
 - pertussis (also known as whooping cough)

HPV:
Protects
against
cancer

MenACWY:
Protects
against
meningitis

Tdap:
Protects
against
harmful
bacteria

The next section gives information about each of these vaccines and the viruses and bacteria they protect against.



HPV Vaccines

What is HPV?

HPV stands for 'human papillomavirus', which is a group of more than 100 viruses. HPV causes 99% of cervical cancer. The HPV virus is very common, and you can catch it by being sexually active with another person who already has the virus. Most HPV infections do not need treatment. However, in some people, HPV infection can persist and cause cancer. HPV also causes genital warts.

People may associate HPV with girls more than boys because one of the main cancers the virus can cause is cervical cancer – that is, cancer of the neck of the womb. The HPV vaccine has been offered to girls in first year since 2010.

It is important, though, that boys get the vaccine too, as research shows that the HPV virus can cause other cancers and conditions that can affect boys as well as girls. The more young people vaccinated- both **boys and girls** – the better we can control the spread of the infection. Therefore, the HPV vaccine will also be offered to boys from 2019.

84 countries now have an HPV vaccine programme, with more than 20 of these countries giving the vaccine to **boys and girls**. These countries include the US, Australia and New Zealand. The UK will also begin their programme for boys in September 2019.

As well as cervical cancer, what other cancers can HPV cause?

Research has shown HPV infection is also associated with cancers of the throat (oropharynx), the back passage, (the rectum) and the penis. Also, the HPV virus can cause a range of pre-cancerous lesions – abnormal cells – in both men and women.

The HPV virus causes:

- 99% of cervical cancers
- 9 out of 10 vulval cancers
- 8 out of 10 vaginal cancers
- 9 out of 10 HPV-related anal cancers
- 9 out of 10 incidences of genital warts

HPV vaccine is given in more than 84 countries to prevent cancers

HPV causes 1 in 20 cancers worldwide

How many doses of the HPV vaccine will my child need?

Two doses of the vaccine are needed to give full protection. The HSE offers the first dose in school from September, and the second dose from February. Your child's first year in secondary school is the best time to get the vaccine, as it is very effective at that age.

Studies have shown that anyone starting the vaccine programme at 15 years or older needs three doses for full protection.



Over 240,000 girls in Ireland and 100 million people worldwide have received HPV vaccine

MenACWY Vaccine

What is meningococcal disease?

Meningococcal disease is a serious illness which can cause meningitis (inflammation of the lining around the brain) and septicaemia (blood poisoning) and can lead to death.

The onset of meningococcal disease can be very sudden.

The symptoms include fever, stiff neck, headache, joint pains, and a rash.

Meningococcal disease can occur at any age, but the highest rate of disease occurs in children under 5 years of age, especially children under 1 year old. The next high-risk group are young people aged 15-19 years.

Why should my child get the MenACWY meningococcal vaccine now?

All children were offered a meningococcal group C vaccine when they were babies. However, immunity to meningococcal disease reduces over time, so a **booster dose** is recommended now to provide additional protection. The Meningococcal ACWY vaccine will boost your child's protection against group C meningococcal disease, and will provide additional protection against meningococcal groups A, W and Y.

Tdap Vaccine

What is Tdap?

Tdap stands for tetanus, diphtheria and pertussis (whooping cough).

Tetanus can cause generalised painful muscle spasms leading to difficulty breathing and death.

Diphtheria is a serious disease that usually begins with a sore throat and can quickly develop to cause breathing problems. It can also damage the heart and nervous system.

Whooping cough (pertussis) is a disease that can cause long periods of coughing and choking that can make it hard to breathe.

All of these infections are serious diseases that could lead to a hospital admission for your child. At worst, these conditions can cause death.

How many doses of Tdap vaccine does my child need?

All children were offered vaccines against tetanus, diphtheria and whooping cough when they were babies, and again in Junior Infants. Immunity to diphtheria, tetanus and whooping cough reduces over time, so a **booster dose** is recommended now to provide additional protection.

Up to now, your child should have received four doses of a tetanus, diphtheria and whooping cough vaccine – that is:

- 3 doses as a baby
- a booster dose when they were in Junior Infants

This is their fifth and final dose and will give them lifelong protection.

General questions you might have...

Are vaccines safe?

Yes. All vaccines are safe and have been proven to save lives and prevent serious illness. Vaccines are strictly monitored and reviewed regularly by international bodies including:

- the World Health Organisation
- the European Medicines Agency
- the Centers for Disease Control and Prevention in the USA



5 doses
will complete
your course

All international bodies have continually reported that the vaccines used in Ireland are safe with no known long-term side effects.

Do the vaccines have side effects?

Most students have no problems after vaccines.

It is common, though, for some students to have an area of soreness, swelling and redness of their arm where the injection was given. This is nothing to worry about and usually passes after a day or two.

Some students may get a headache, feel sick in their tummy or run a slight temperature. If this happens, you can give them paracetamol or ibuprofen.

Occasionally, some students may feel unwell and faint after getting their injection. To prevent this, the team will advise students to sit down and rest for 15 minutes after their vaccinations.

Severe allergic reactions to vaccines **are** very rare, and the school vaccination teams are trained to treat any severe allergic reaction.

Where can I find additional information?

Visit **www.hpv.ie** and **www.immunisation.ie** for a wide range of information, including videos and factsheets about the vaccines.

You can also find links to the patient information leaflets for the vaccines used in the programme at **www.immunisation.ie**

If you have any further questions, please talk to a member of your HSE school immunisation team. Details are available at the HSE Local Immunisation webpage: **<http://bit.ly/SchoolLHO>**

What happens next?

When your child starts secondary school, they will get a detailed information pack and a consent form. You need to **sign the consent form** and return it to the school to ensure your child receives the vaccines in school.

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