

Patient information from BMJ

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Genital warts

If you have genital warts you might be embarrassed and upset. But genital warts aren't usually serious, and there are treatments.

What are genital warts?

Genital warts are bumpy lumps that usually grow near the genitals. But this type of wart can also grow around your nose or mouth.

Genital warts can be flat or lumpy, look like a cauliflower, or be on a stalk. Warts on moist skin (such as the skin near the vagina or on the penis) are usually soft and flesh coloured. Some people have just one wart while others have many.

Genital warts are caused by a virus called the human papillomavirus (HPV for short). There are nearly 100 types of HPV. Some other types of HPV cause cancer of the cervix (cervical cancer) in women.

HPV spreads from one person to another by skin contact. The virus can be spread:

- if you have sex (including oral sex and anal sex)
- if your genitals touch your partner's genital area, even if you do not have sex
- if you touch your partner's genital area (for example, with your fingers)
- if your partner touches you after touching his or her genitals.

You can be infected with HPV but have no symptoms. So even though you or your partner might not see any genital warts, the virus can still spread between you.

If you're pregnant

Genital warts sometimes grow larger during pregnancy. This can make passing urine difficult. If the warts are inside the vagina they can cause problems during birth. If your doctor thinks your genital warts might cause problems during pregnancy or childbirth he or she will probably advise you to have them removed before the birth.

If genital warts are blocking your vagina, or if there's a chance that they will bleed a lot during labour, your doctor might advise you to have a caesarean section to deliver your baby. But this is rare.

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Some treatments for genital warts are safe to use during pregnancy. But your genital warts might clear up on their own after you have your baby and your immune system recovers. So if you have genital warts that aren't likely to cause problems during pregnancy and childbirth it might be worth waiting a while before you decide to have treatment.

What are the symptoms?

Genital warts often don't cause any symptoms. But they can occasionally cause pain or itchiness. They may also make it hard to have sex if they block the vagina.

Your doctor will probably decide whether you have genital warts by examining you. He or she might take a sample of tissue (a biopsy) to make sure that you don't have anything more serious. Genital warts are almost always benign (non-cancerous).

What treatments work?

Genital warts often clear up by themselves. So if you have genital warts that are not causing you any trouble you might want to wait to see if they go away without treatment. But if you are bothered by them there are many treatments that can help.

There is no one treatment that is guaranteed to work for everyone. The type of treatment that you choose or that your doctor recommends will depend on several things including:

- the size and location of the warts.
- whether you want to treat the warts yourself or whether you would rather have a doctor or nurse do it. Some treatments can only be done by a doctor or nurse.
- whether your doctor has a lot of experience in using a particular treatment.

Treatments you can use yourself

There are some treatments that you can use yourself at home. You will need to follow your doctor's advice about how many times and how often you need to use them. You shouldn't use any of these treatments if you are pregnant.

They can all cause side effects such as itching and irritation. But these will stop after you stop using the treatment.

- **Imiquimod** is a cream that helps get rid of warts and can reduce the chance that they will come back.
- **Podophyllotoxin** is a cream or liquid that you put on your genital warts. It works to clear warts in many people and can reduce the chance of them coming back.
- **Sinecatechins**, also known as Polyphenon E, is an ointment that you put on your genital warts.

Treatments that need to be done by a doctor or nurse

- **Trichloroacetic acid (TCA)** can be used to treat small, moist genital warts. But it doesn't seem to be as effective as some other treatments at stopping warts from coming

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back. This needs to be applied carefully by a doctor or nurse as it can damage normal skin.

- **Cryotherapy.** With this treatment your doctor destroys the warts by freezing them with liquid nitrogen. This can be painful and may need to be done several times.
- **Surgery.** Some people prefer to have surgery to remove their warts because, unlike with other treatments, this can be done in one session. It can be used on all kinds of genital warts and is usually safe for pregnant women.

There are various types of surgery. Some surgeons use a laser to remove the warts, while other methods include using a mild electrical current to destroy the warts with heat. Surgery can cause scarring and pain. But the pain should go after a few days.

Can genital warts be prevented?

Using condoms whenever you have sex can reduce your risk of being infected with HPV. But condoms don't offer complete protection from the virus. That's because HPV spreads by skin-to-skin contact.

So although some parts of the genitals are protected by a condom, not all the skin in that area is. Also, it's possible to get the virus on your fingers and spread it to another person that way.

A vaccine is available to help prevent genital warts. It can also help to protect against cervical cancer in women. The vaccine is designed to be given to girls or women between the ages of 9 and 26 as three injections over six months. In some countries it is also used in boys and men.

The vaccine is widely used in many countries. For example, in the UK it is offered to all girls aged 12 to 13 to reduce their chance of getting cervical cancer.

What will happen to me?

Genital warts can clear up on their own as your immune system fights off the virus. But this can take many months or years. If you have a weak immune system you might not get rid of the warts so easily. For example, you have a weak immune system if you have HIV or AIDS, or if you've had a transplant or have cancer.

Genital warts often come back several months after you've had treatment to get rid of them. This is more likely to happen if your immune system is weak.

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