

HPV vaccination: What do I need to know?

GARDASIL[®] 9
Human Papillomavirus
9-valent Vaccine, Recombinant



What is Human Papillomavirus (HPV)?



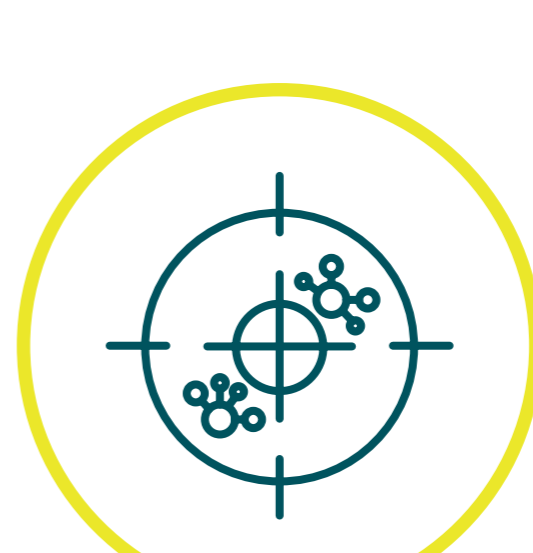
Human papillomavirus (HPV) is a double-stranded DNA virus that infects the skin and mucosae of the upper respiratory and anogenital tracts¹



HPV viruses are classified as either 'high-risk' or 'low-risk' types, depending on their association with the development of HPV-related cancers¹

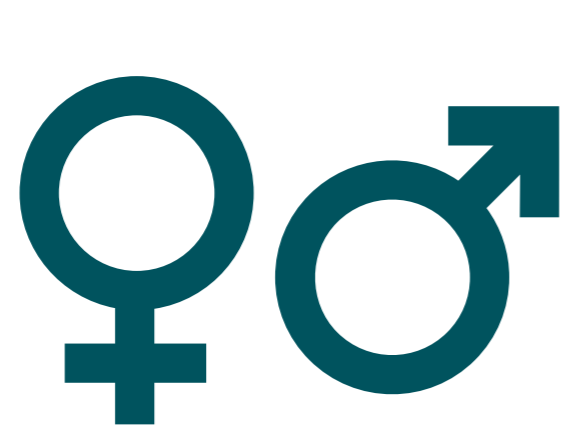


There are around 100 types of HPV, of which ~40 infect the genital tract¹



HPV is associated with certain cancers, including of the cervix, vulva, vagina, and anus^{1,2}

Who can be affected by HPV?

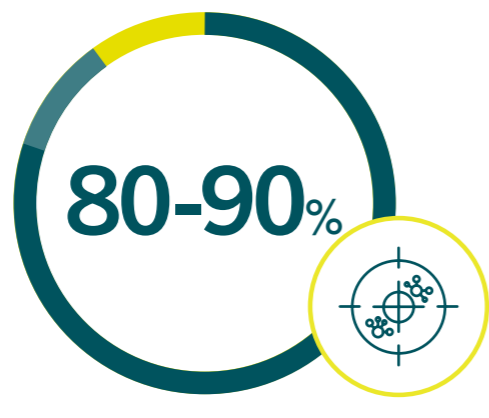


HPV poses risks to both **men and women**¹

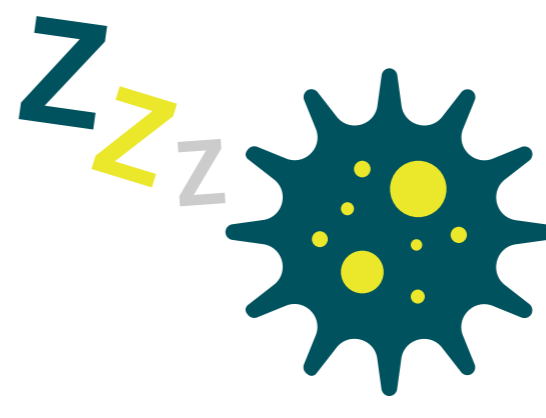


4 out of 5 individuals may become infected with at least one type of HPV at some point in their lives³

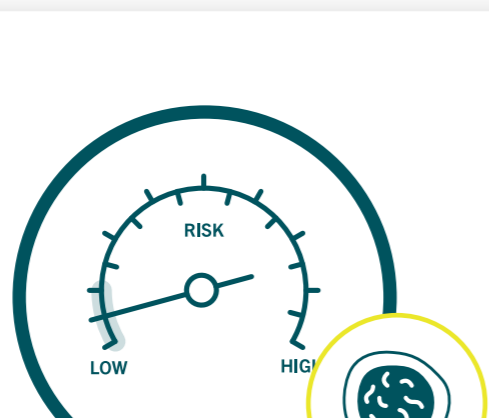
What are the risks of HPV?



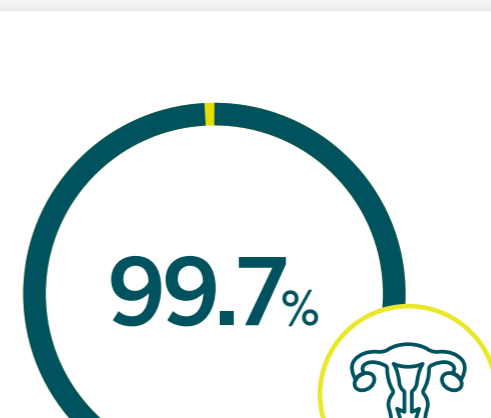
80-90% of all anal cancers are associated with HPV infection, with HPV16 and HPV18 accounting for the majority of anal cancers¹



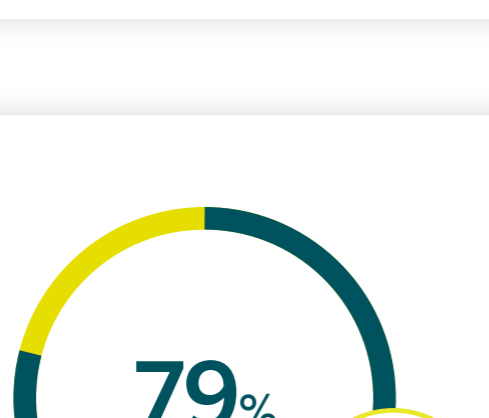
An infection caused by a high-risk type of HPV can lay dormant for **20 years or more** before causing damage to cells which can lead to certain HPV-related cancers²



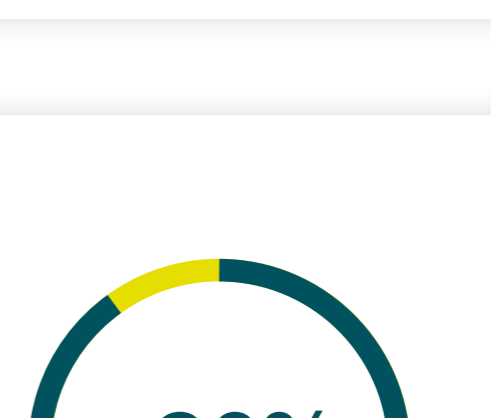
Low-risk HPV types can lead to genital warts, which is the most commonly diagnosed viral sexually transmitted infection in the UK²



99.7% of cervical cancer cases are caused by persistent infection with high-risk HPV types⁴



79% HPV16 and HPV18 account for almost **80%** of all invasive cervical cancers in the UK⁵



~90% of all genital warts are caused by **HPV6** and **HPV11**¹



The World Health Organisation is aiming for the ambitious target of eliminating cervical cancer within the century.⁶

Are you aware of the risks associated with HPV?



Want to learn more?

Click on the link below to access more resources on HPV including:

What is the impact of HPV vaccination to date?

How can you improve HPV vaccination uptake?

What strategies can GP practices implement to increase HPV vaccination rates?

Clicking the link above will take you to a promotional MSD webpage

Gardasil[®] 9 is indicated for active immunisation of individuals from the age of 9 years against the following HPV diseases:^{7,8}

- Premalignant lesions and cancers affecting the cervix, vulva, vagina and anus caused by vaccine HPV types
- Genital warts (*Condyloma acuminata*) caused by specific HPV types

Please refer to the Summary of Product Characteristics for further information prior to making any prescribing decisions.^{7,8}

Adverse events should be reported. Reporting forms and information can be found at <https://yellowcard.mhra.gov.uk/> or search MHRA Yellow Card in the Google Play or Apple App Store. Adverse events should also be reported to Merck Sharp & Dohme Limited (Tel: 0208 154 8000). By clicking the above link, you will leave the MSD website and be taken to the MHRA website.

References: 1. UK Health Security Agency. Human Papillomavirus (HPV): the green book, chapter 18a. March 2022. Available at: <https://www.gov.uk/government/publications/human-papillomavirus-hpv-the-green-book-chapter-18a>. Last accessed: July 2023. 2. National Cancer Institute. HPV and Cancer. April 2023. Available at: <https://www.cancer.gov/about-cancer/causes-prevention/risk/infectious-agents/hpv-and-cancer>. Last accessed: July 2023. 3. Cheeson HW, et al. Sex Transm Dis. 2014;4(11):660-4. 4. Okunade KS. J Obstet Gynaecol. 2020;40:602-8. 5. The Catalan Institute of Oncology and the International Agency for Research on Cancer Information Centre on HPV and Cancer. United Kingdom Human Papillomavirus and Related Cancers, Fact Sheet 2023. March 2023. Available at: https://hpvcentre.net/statistics/reports/GBR_FS.pdf. Last accessed: July 2023. 6. World Health Organization. World Health Assembly adopts global strategy to accelerate cervical cancer elimination. August 2020. Available at: <https://www.who.int/news/item/19-08-2020-world-health-assembly-adopts-global-strategy-to-accelerate-cervical-cancer-elimination>. Last accessed: July 2023. 7. Gardasil[®] 9 (Human Papillomavirus 9-valent Vaccine (Recombinant, adsorbed)). Summary of Product Characteristics (SPC) for GB. Available at: <https://www.emcpi.com/pi/32240>. Last accessed: July 2023. 8. Gardasil[®] 9 (Human Papillomavirus 9-valent Vaccine (Recombinant, adsorbed)). Summary of Product Characteristics (SPC) for NI. Available at: <https://www.emcpi.com/pi/ni/496>. Last accessed: July 2023.

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