Cervical cancer prevention and beyond: Optimizing HPV vaccine uptake in all eligible individuals

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Agenda

Going beyond cervical cancer: Other cancers and diseases related to HPV

Recommended HPV vaccination schedules and approved indications

The role of primary care providers in education and overcoming vaccine hesitancy



Going beyond cervical cancer: Other cancers and diseases related to HPV

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. The burden of HPV

HPV causes a range of diseases

Estimated annual incidence of new HPV-related cancers worldwide^{1,2}

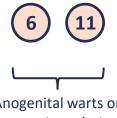




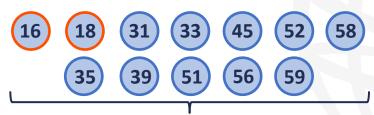


4.5% of all cancers[†]

HPV types causing most HPV-related disease^{3,4}



Anogenital warts or recurrent respiratory papillomatosis^{3,4}



Cancers of the cervix, vulva, vagina, penis, anus and oropharynx^{3,4}



^{*}Data from 2018; †Data from 2012. HPV, human papillomavirus.

^{1.} de Martel, C et al. Lancet Glob Health. 2020;8:e180-90; 2. de Martel, C et al. Int J Cancer. 2017;141:664-70; 3. National Cancer Institute. HPV and Cancer. Available at: www.cancer.gov/about-cancer/causes-prevention/risk/infectious-agents/hpv-and-cancer (accessed 14 January 2025);

^{4.} World Health Organization. Human papillomavirus vaccines: WHO position paper (2022 update). Available at: www.who.int/publications/i/item/who-wer9750-645-672 (accessed 14 January 2025).

Recommended HPV vaccination schedules and approved indications

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Effectiveness and specificity of HPV vaccines

HPV vaccines are among the most effective prophylactic vaccines available¹

Vaccines offer sterilizing immunity against HPV types in vaccine for up to 14 years^{1,2}

Estimates suggest
HPV vaccination
could prevent more
than 90% of
HPV-related cancers
developing³

Anogenital wart diagnoses decreased

- 67% in girls
- 48% in boys

aged 15–19 years after 5–8 years of HPV vaccination⁴

HPV vaccines⁵



Vaccine availability varies by country; only the nonavalent vaccine is available in high-income countries/regions such as Australia, Canada, Europe and the USA

HPV, human papillomavirus.

5. European Commission. Proposal for a council recommendation on vaccine-preventable cancers. Available at: https://health.ec.europa.eu/system/files/2024-01/com 2024 45 1 act en.pdf (accessed 14 January 2025).

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^{1.} Markowitz LE, Schiller JT. *J Infect Dis.* 2021;224(Suppl. 2):S367–78; 2. Kjaer, SK et al. *EClinical Medicine*. 2020 Jun:23:1004013; 3. Centers for Disease Control. Clinical overview of HPV. Available at: www.cdc.gov/hpv/hcp/clinical-overview (accessed 14 January 2025); 4. Drolet M, et al. *Lancet*. 2019;394:497–509;

The role of primary care providers in education and overcoming vaccine hesitancy

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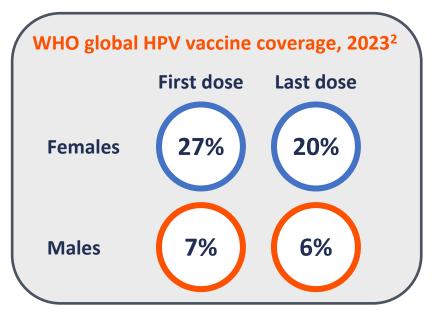
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Global HPV vaccine coverage

In 2022, 64% of countries had national HPV vaccination programmes for girls, 24% for boys¹



Wide range of vaccine coverage across countries, ranging from 0 to 100% coverage²

Affordability remains a key barrier to vaccination in many countries³

Globally, HPV vaccine coverage is lower in males than females²

HPV, human papillomavirus; WHO, World Health Organization.

^{1.} World Health Organization. Human papillomavirus vaccines: WHO position paper (2022 update). Available at: www.who.int/publications/i/item/who-wer9750-645-672 (accessed 14 January 2025); 2. World Health Organization. HPV vaccination coverage. Available at: https://immunizationdata.who.int/global/wiise-detail-page/human-papillomavirus-(hpv)-vaccination-coverage (accessed 14 January 2025);





Examples of discrepancies in perception between physicians and adult consumers in Canada

39% of unvaccinated women stated that a reason they weren't HPV-vaccinated is that their doctor had not discussed it with them¹

83% of GPs said they routinely administered or recommended HPV vaccination to adult patients²

55% of unvaccinated women said a recommendation from their doctor would motivate them to get an HPV vaccination¹

GPs believed cost or lack of private insurance was the major reason preventing HPV vaccination; 95% stated it was a major or moderate barrier²

Only 20% of unvaccinated women cited cost or lack of insurance as a barrier to HPV vaccination¹

36% of GPs believed dislike of needles was a major or moderate barrier to HPV vaccination²

Only 5% of unvaccinated women cited dislike of needles as a barrier to HPV vaccination¹

