

Proposal to extend Papillomavirus (HPV) vaccination to men and women up to 26 years old:

A way of speeding up the elimination of HPV-induced cancers¹

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The French National Academy of Medicine (ANM) has mobilized on several occasions to promote vaccination against the papillomavirus (HPV) in the hope of eliminating HPV-induced cancers of the cervix, oropharynx, oral cavity, and anus (1-4). Since their first publications in 2007, the vaccination recommendations of government authorities have evolved significantly. Currently, vaccination against HPV infections is recommended in France for all girls and boys aged 11 to 14 with a 2-dose schedule. Furthermore, as part of the vaccination catch-up program, HPV vaccination with Gardasil9® is recommended for both sexes between 15 and 19, and for men who have sex with other men or for immunocompromised patients, up to 26 according to a 3-dose schedule. In September 2023, a free vaccination campaign in second grade class for all schoolchildren aged 11 to 14 was set up.

The ANM welcomes all these measures but is concerned, given the vaccination delay since 2007, about the number of people not having benefited from it since its beginning. It is thus estimated that there is a cumulative backlog of 2 million unvaccinated women aged 20 to 26 (5) and this backlog doubles, in including the male vaccination now accepted. Moreover, the COVID-19 period had an additional negative impact on vaccination (6).

An extension of vaccination to adults up to 26 years old for both sexes would represent an individual decision and not a parental one and is fully justified on the following arguments:

- The risk of HPV infection persists throughout life in both sexes (7, 8) and 50% of cervical cancers are due to infections acquired after 20 (9).
- While the benefit of vaccination is optimal for uninfected people, it remains important for infected people, especially since in 88% of infections only one HPV genotype is found (10) while the Gardasil9® vaccine has nine.

¹¹ Press release from the Academy's Rapid Communication Platform. This text was adopted by the Board of Directors on 29 January 2024.

• Several studies have shown the effectiveness and good tolerance of the vaccine between 16 and 26 on preneoplastic lesions and genital warts in women and men. A study carried out in Sweden, shows a 62% reduced risk of developing an uterus cervix cancer for vaccinated women between 20 and 30 compared to those unvaccinated (11).

This extension of vaccination to the general population without distinction of sex is already the rule in many countries.

For all these reasons, the French National Academy of Medicine recommends extending and encouraging HPV vaccination in the general population up to 26 years old to help eliminating HPV-related cancers and diseases more reliably and quickly.

Références

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