

HPV Facts At A Glance - Reasons to Oppose HB 4870

HPV, also known as human papillomavirus, is a viral infection that is spread through sexual contact. There are more than 150 HPV strains; the vaccine targets nine of those. Of the 150+ strains, 12 are high-risk, but only two cause the majority of HPV-related cancers. HPV is **NOT** a readily communicable disease and does not pose a public safety threat. Most HPV infections resolve on their own and don't lead to cancer. HPV tests and regular pap smears, which detect abnormal cells early, are the most effective way to prevent cervical cancer.

<https://nyulangone.org/conditions/human-papillomavirus-in-adults/types>

<https://nyulangone.org/conditions/human-papillomavirus-in-adults/screening>

<https://www.nccc-online.org/hpvcervical-cancer/cervical-cancer-screening/>

Merck's HPV vaccine trials were not designed to detect whether the HPV vaccine prevents cervical cancer.

<https://journals.sagepub.com/doi/10.1177/0141076819899308>

Despite high uptake rates of the HPV vaccine in the United Kingdom for more than a decade, the UK is now seeing a 54% increase in cervical cancer among the very first individuals who received the HPV vaccine; this puts its effectiveness under scrutiny. This is reinforced by the fact that cervical cancer rates were on a sharp decline **before** the HPV vaccine was introduced in Britain in 2008, halving between the late '80s and mid-2000s.

<https://bmcinfectdis.biomedcentral.com/articles/10.1186/s12879-019-4108-y>

<https://www.cancerresearchuk.org/about-us/cancer-news/press-release/2020-01-22-cervical-cancer-progress-falters-as-screening-uptake-hits-record-lows>

Each 0.5ml dose of Gardasil 9, the only HPV vaccine available in the United States, contains approximately 500 mcg of aluminum (as AAHS, amorphous aluminum hydroxyphosphate sulfate). This is more than 20 times the FDA safety limit established for IV solutions (see below).

https://www.merck.com/product/usa/pi_circulars/g/gardasil_9/gardasil_9_pi.pdf

The FDA acknowledged that aluminum is neurotoxic more than 20 years ago. The agency subsequently established aluminum limits for dextrose solutions used for IV drips. The safety level established, 25 mcg of aluminum per day, is for premature infants up through adults. Ironically, the FDA does not address aluminum safety limits for injection, nor have any aluminum-based adjuvants been approved for intramuscular or subcutaneous injection into humans.

<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?fr=201.323>

<https://aacijournal.biomedcentral.com/articles/10.1186/s13223-018-0305-2>

Aluminum-based adjuvants are shown to have a long history of adverse events, with significant implications for human health. Studies also show that 100% of intramuscularly injected aluminum vaccine adjuvants are absorbed into the bloodstream, circulate throughout the body, and accumulate in the tissues of the body — including the bone and the brain — and are retained there for decades post-vaccination.

<https://aacijournal.biomedcentral.com/articles/10.1186/s13223-018-0305-2>

<https://www.sciencedirect.com/science/article/pii/S0946672X19305784>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4318414/pdf/fneur-06-00004.pdf>

Excerpt - *Frontiers in Neurology*: “Concerns about the use of aluminum adjuvants have emerged following (i) recognition of their role at the origin of the so-called macrophagic myofasciitis (MMF) lesion in 2001, which revealed fundamental misconception of their adjuvant effect and pointed out their unexpectedly long-lasting biopersistence; and (ii) demonstration of their apparent capacity to migrate in lymphoid organs and then disseminate throughout the body within monocyte-lineage cells and progressively accumulate in the brain.”