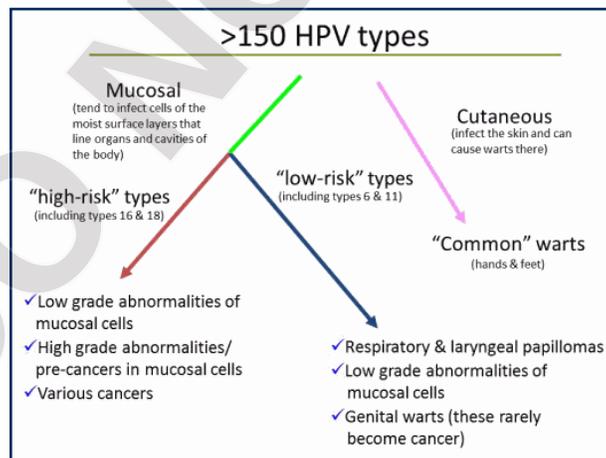


## Gardasil: Growing a New Market

### HPV

HPV, human papillomavirus, is the human member of the papillomavirus family of viruses that infect many birds and mammals and a small number of reptiles. As part of a family of more than 100 types of viruses (see **Exhibit 1**), HPV is usually spread through sexual intercourse, although it can also be received through contact with a toilet seat or hygiene device that has been used by an infected person. Like all papillomaviruses, HPV develops into infections in the skin or mucous membranes. In most cases (90% of infections), it is harmless, cleared naturally by the body's immune system. In other instances, however, HPV can lead to warts or, worse, cancerous lesions. Indeed, HPV-related cervical cancer is the second-most-common cancer in women in the United States, with almost 12,000 new cases and more than 4,000 deaths each year.

**Exhibit 1**  
**HPV Types and The Problems They Can Cause**



Source: Cancer.org. <<http://www.cancer.org/cancer/cancercauses/othercarcinogens/infectiousagents/hpv/hpvandhpvtesting/hpv-and-hpv-testing-about-hpv>>.

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