

## Other Tests from OralDNA®

- **OraRisk® Candida** identifies all common species of the yeast, Candida which is known to cause oral thrush in people with a normal or compromised immune system
- **OraRisk® HSV** helps your healthcare professional easily diagnose herpes simplex virus outbreaks involving Type 1 and Type 2 in the oropharynx
- **MyPerioPath®** detects 11 oral pathogens that threaten your oral and systemic health. These hidden pathogens directly cause gum disease and may increase the risk for cardiovascular disease, diabetes, stroke, brain health and birth complications
- **Celsus One™** evaluates 8 gene markers associated with increased inflammation, a critical factor in the severity of periodontal, diabetes and cardiovascular disease

All OralDNA Labs' tests can be ordered from a simple oral rinse collection.

More information at [oraldna.com](http://oraldna.com)



## ORARISK® HPV

### Oral HPV and Oral Cancer: **Are you at risk?**



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## ORARISK® HPV

Some high risk types of oral HPV can cause cancers of the head and neck area, while low risk types can cause warts in the mouth or throat.

Your healthcare provider will use this information to establish increased risk for oral cancer and determine appropriate referral and monitoring conditions.

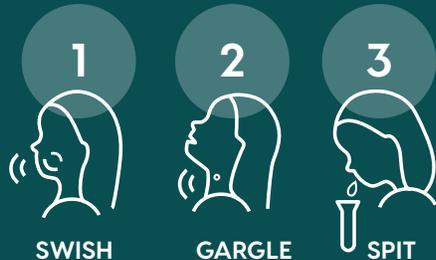
Early detection and identification of the presence or absence of oral HPV is very important!

This test identifies 51 types of oral human papillomavirus (HPV), a viral infection that could potentially lead to oral cancer.

- High Risk Genotypes: 16, 18, 26, 30, 31, 33, 34, 35, 39, 45, 51, 52, 53, 56, 58, 59, 64, 66, 67, 68, 69, 70, 73, 82
- Low Risk Genotypes: 2a, 6, 11, 32, 40, 42, 43, 44, 54,
- Unknown Risk Genotypes: 41, 49, 60, 75, 76, 80, 85

A simple oral rinse collection is all it takes!

**Easy as 1, 2, 3!**



## ARE YOU AT RISK? TEST. DON'T GUESS!

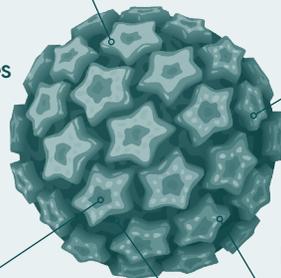
According to the Centers for Disease Control, at least 42 million people in the United States are infected with HPV and there are approximately 13 million new cases each year.



Oral HPV is about three times more common in men than in women.

HPV viruses affect the skin and the moist membranes lining of the body, such as the mouth and throat.

High risk HPV types can cause changes in the mouth and throat. The changed cells carry an increased risk of becoming cancerous.



More research is needed to better understand how people get and give oral HPV infections.

"Every day in the US, about 12,000 people ages 15-24 are infected with HPV." <https://oralcancerfoundation.org/understanding/hpv/hpv-oral-cancer-facts/>

## DID YOU KNOW?

The Centers for Disease Control states that HPV is the leading cause of oropharyngeal cancers. In fact,

**70%** OF ORAL CANCERS ARE LINKED TO HPV



HPV can cause normal cells to turn abnormal—which you may not see or feel happening. Generally, the body fights off the HPV infection naturally and infected cells return to normal. In cases when the body does not fight off this virus, HPV can cause visible changes and certain types of HPV can cause oropharyngeal cancer.

## WARNING SIGNS

Early oral HPV infections do not typically cause clinical signs or symptoms. Clinical signs and symptoms of an oral HPV infection may include:

- Ulcer/sore that does not heal within 2-3 weeks
- Red, white, or black discoloration on soft tissues in the mouth
- Persistent sore throat or hoarse voice
- Difficult or painful swallowing
- Swelling or lump in the mouth
- Swollen but painless tonsil
- Pain when chewing

