

# The Alliance for HPV Free CO.

## HPV Dental Training

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# The work of the Alliance for HPV Free Colorado:

*To implement a multidisciplinary approach that results in a sustainable increase in completion of the HPV vaccine series for 9-17-year-olds in 15 counties across Colorado.*

The specific work of the Dental Workgroup within the Alliance  
for HPV Free Colorado

***To involve dentistry in the fight against HPV-associated oropharyngeal cancer through increased awareness and education of HPV, HPV vaccine, and screening.***



- 
- ❖ **Dental Workgroup Lead for HPV Free Colorado**
  - ❖ Consult, Coach, Speak - oral and oropharyngeal cancer, HPV, the head and neck evaluation
  - ❖ Board member and Oral Cancer Screening Coordinator – Colorado Mission of Mercy
  - ❖ RDH Advisory Board and Regional Coordinator – Oral Cancer Foundation
  - ❖ 1994 Graduate University of Colorado School of Dental Medicine, Dept. of Dental Hygiene

# Objectives

Discuss Human Papillomavirus

Identify key information  
about the HPV Vaccine

Discuss Signs and Symptoms

Visual and Tactile  
Intraoral Extraoral Evaluation

# Agenda

Why

Human Papillomavirus and Vaccine

Extraoral Intraoral Evaluation

\*Alliance Dental Pilot - QI

**ONE PERSON DIES**

**EVERY HOUR OF THE DAY IN THE US**

**FROM AN ORAL OR  
OROPHARYNGEAL CANCER**

**24/7 365!**

Learn more on:  
[www.oralcancer.org](http://www.oralcancer.org)



**54,000**

**Americans will be diagnosed with  
oral or oropharyngeal  
cancer in 2021.**

Learn more on:  
[www.oralcancerfoundation.org](http://www.oralcancerfoundation.org)



## ADA expands policy on oral cancer detection to include oropharyngeal cancer

October 01, 2019

By Mary Beth Versaci

- *San Francisco* — The American Dental Association recommends dentists conduct routine visual and tactile examinations for oral and oropharyngeal cancer for all patients, according to a resolution passed by the ADA House of Delegates on Sept. 9.
- Resolution 65H-2019 amended the ADA policy on early detection and prevention of oral cancer to include oropharyngeal cancer and cover all patients, not just those previously thought to be at an increased risk because of tobacco and alcohol use.

"The revised policy aligns our statement with Centers for Disease Control and Prevention guidelines on visual and tactile examination and screening for oral and oropharyngeal cancers and highlights dentists' critical role in cancer screening and prevention," said Dr. Maria Geisinger, chair of the ADA Council on Scientific Affairs, which was charged with reviewing the policy and recommending changes.



American  
Dental  
Hygienists'  
Association

The American Dental Hygienists' Association supports ***comprehensive screening for oral cancer, oropharyngeal cancer, and any abnormality*** for all patients to achieve earliest referral for diagnosis. Dental Hygiene Services

[https://mymembership.adha.org/images/pdf/ADHA\\_Policy\\_Manual.pdf](https://mymembership.adha.org/images/pdf/ADHA_Policy_Manual.pdf) 20-20





## ADA adopts policy supporting HPV vaccine

October 22, 2018

By Michelle Manchir

*Honolulu* — The ADA urges dentists to support the use and administration of the human papillomavirus virus vaccine, recognizing it as a way to help prevent infection of the types of HPV associated with oropharyngeal cancer, according to a resolution the ADA House of Delegates passed Oct. 22 at ADA 2018 – America’s Dental Meeting.

Res. 53H-2018, citing recommendations from the Centers for Disease Control and Prevention Advisory Committee on Immunization Practices, states that the vaccination is a “safe and effective intervention to decrease the burden of oral and oropharyngeal HPV infection.” The policy also encourages outside agencies to support research to improve the understanding of the natural history of the oral HPV infection, transmission risks, screening and testing.

***“The American Academy of Pediatric Dentistry supports measures that prevent oral and oropharyngeal cancer/OOPC including the prevention of HPV infection, a critical factor in the development of oral squamous cell carcinoma. The AAPD encourages oral health care providers to”***

- ▶ educate patients, parents, and guardians on the serious health consequences of OOPC and the relationship of HPV to OOPC
- ▶ counsel patients, parents, and guardians regarding the HPV vaccination, in accordance with CDC recommendations, as part of anticipatory guidance for adolescent patients.



# Common Causes of Liabilities

## **ERRORS IN CLINICAL JUDGEMENT**

Improperly relying on a diagnostic study, such as relying solely on a negative pathology report despite the presence of a persistent oral lesion, or failure to perform the indicated diagnostic test due to inadequate suspicion of malignancy because the patient is not in a high-risk group.

## ***EVALUATION DELAY***

Patients **repeatedly visiting with continuing or progressive clinical findings**, coupled with the practitioner's failure to perform the indicated diagnostic tests on the patients or refer them for proper testing, or **failure to request a consult**.

## ***FAILURE TO FOLLOW UP***

Not making sure that the next indicated clinical step is proceeding properly. Follow-up failures often result from lack of a reliable tracking system to ensure that a patient kept the appointment with the specialist or underwent the diagnostic test that was ordered.

## ***FAILURE TO SCREEN PATIENTS APPROPRIATELY***

Infrequently examining patients in a high-risk group, and failure to recommend routine screening examinations on patients in a risk group.

# CDT

## Current 2021 Dental Terminology

*Includes app and e-book*

ADA American Dental Association®  
America's leading advocate for oral health

**DO150** - Comprehensive exam  
**DO120** - Periodic exam  
**DO180** - Perio-evaluation

Previous to 2021  
“Oral Cancer evaluation **where indicated...**”

Now read – Oral cancer evaluation.

**1 in 5 deaths in the U.S.  
Cigarettes contain more than  
60 known cancer-causing  
agents.**



**~ 15X higher**



**oral cavity, esophagus,  
voice box, and lungs**





*SICK*



Transmission – skin to skin contact

Oral transmission –  
oral sex, possibly open mouth deep, aggressive, kissing

Condoms - protect what is covered

Transmission without penetration



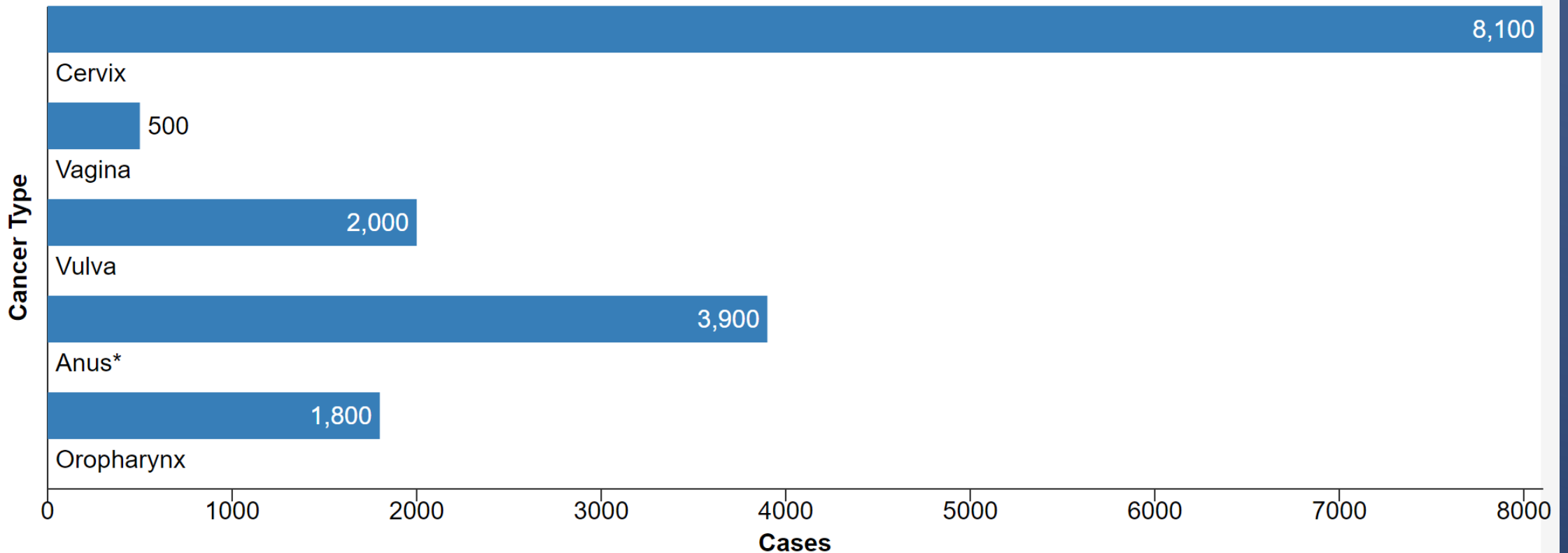
# Figure 4. Estimated Annual Number of Cancer Cases Attributable to HPV by Sex, Cancer Type, and HPV Type

Sex

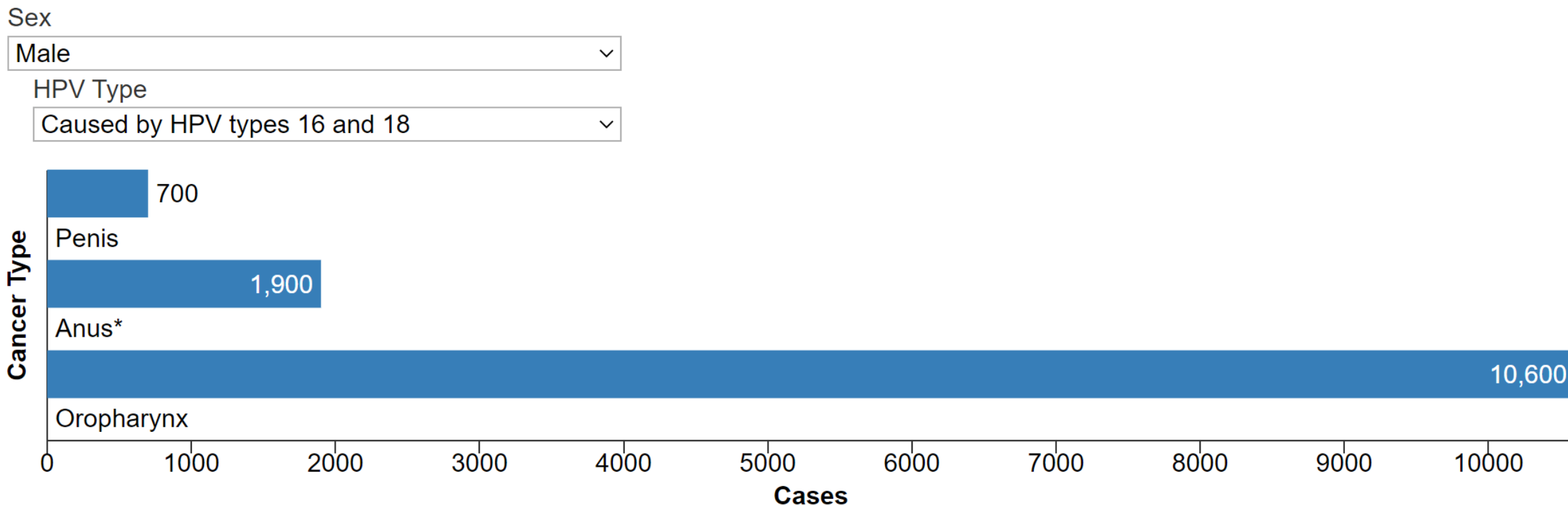
Female

HPV Type

Caused by HPV types 16 and 18



# Figure 4. Estimated Annual Number of Cancer Cases Attributable to HPV by Sex, Cancer Type, and HPV Type

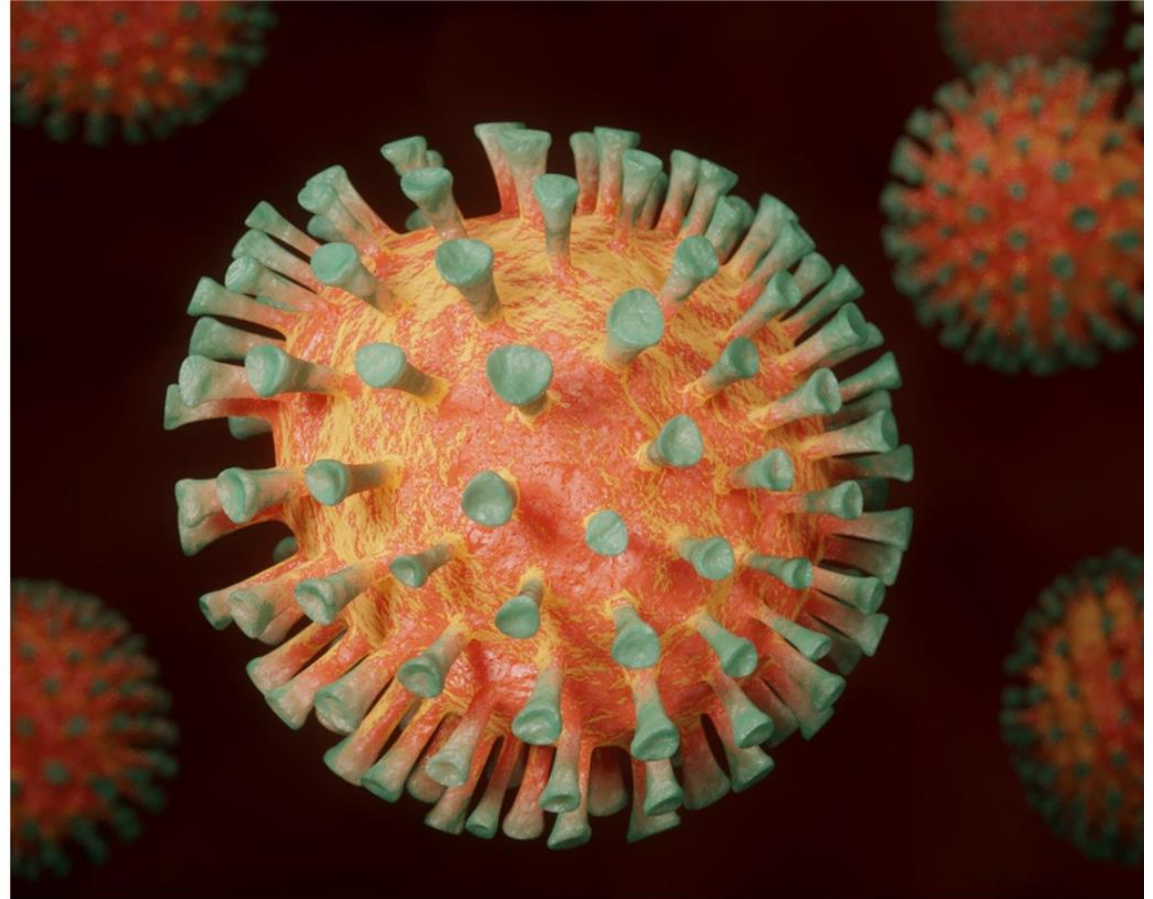


# RISK

**White non-smoking males 35-55  
4-1 over females**

**Weakened immune system**

**Number of oral sex partners**





# SIGNS AND SYMPTOMS



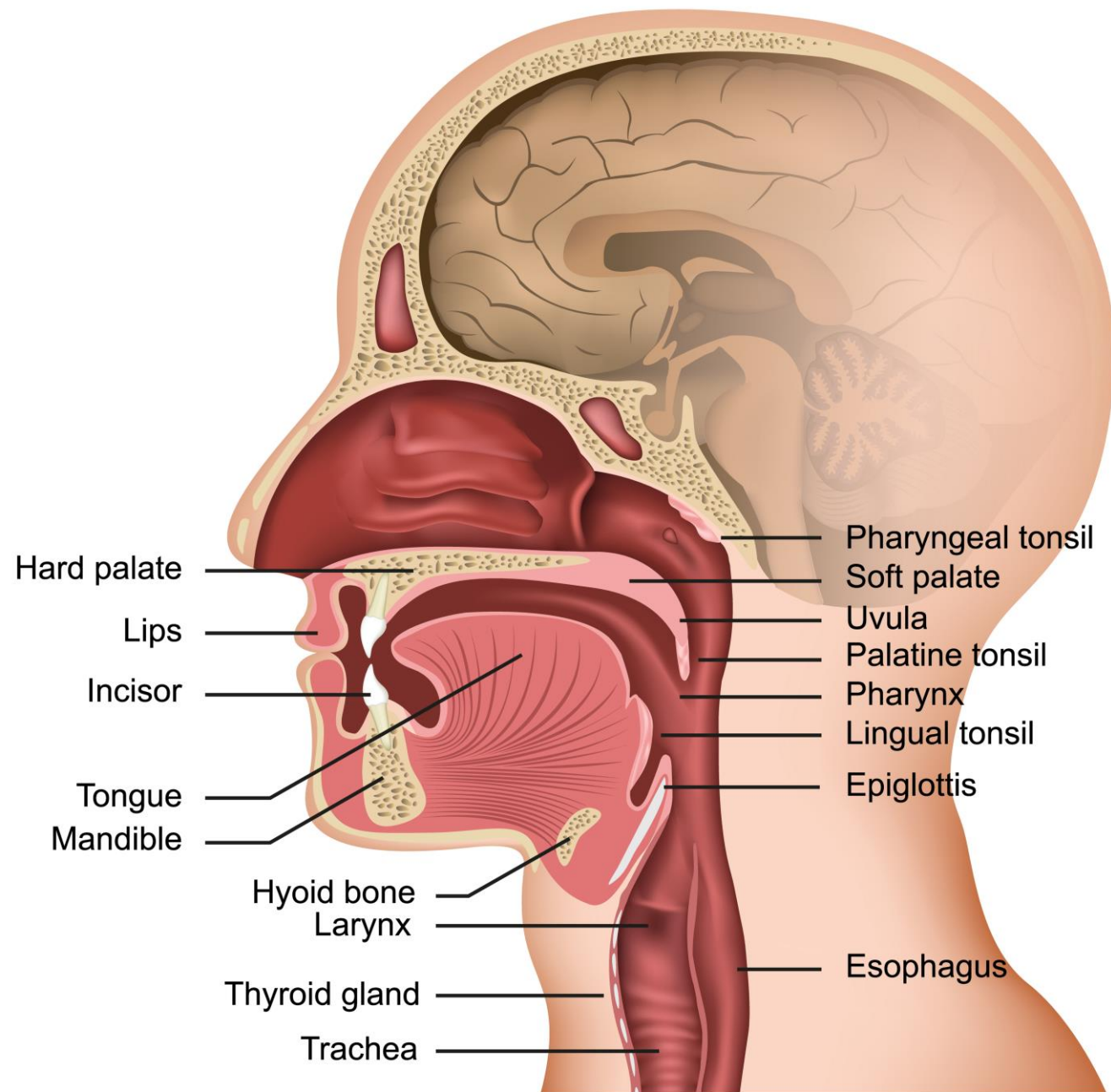
**PAIN  
MASS OR LUMP  
SWOLLEN  
LYMPH NODE  
DIFFICULTY  
SWALLOWING**



**CHANGE IN  
VOICE  
HOARSENESS  
COUGH  
SORE THROAT  
NUMBNESS**



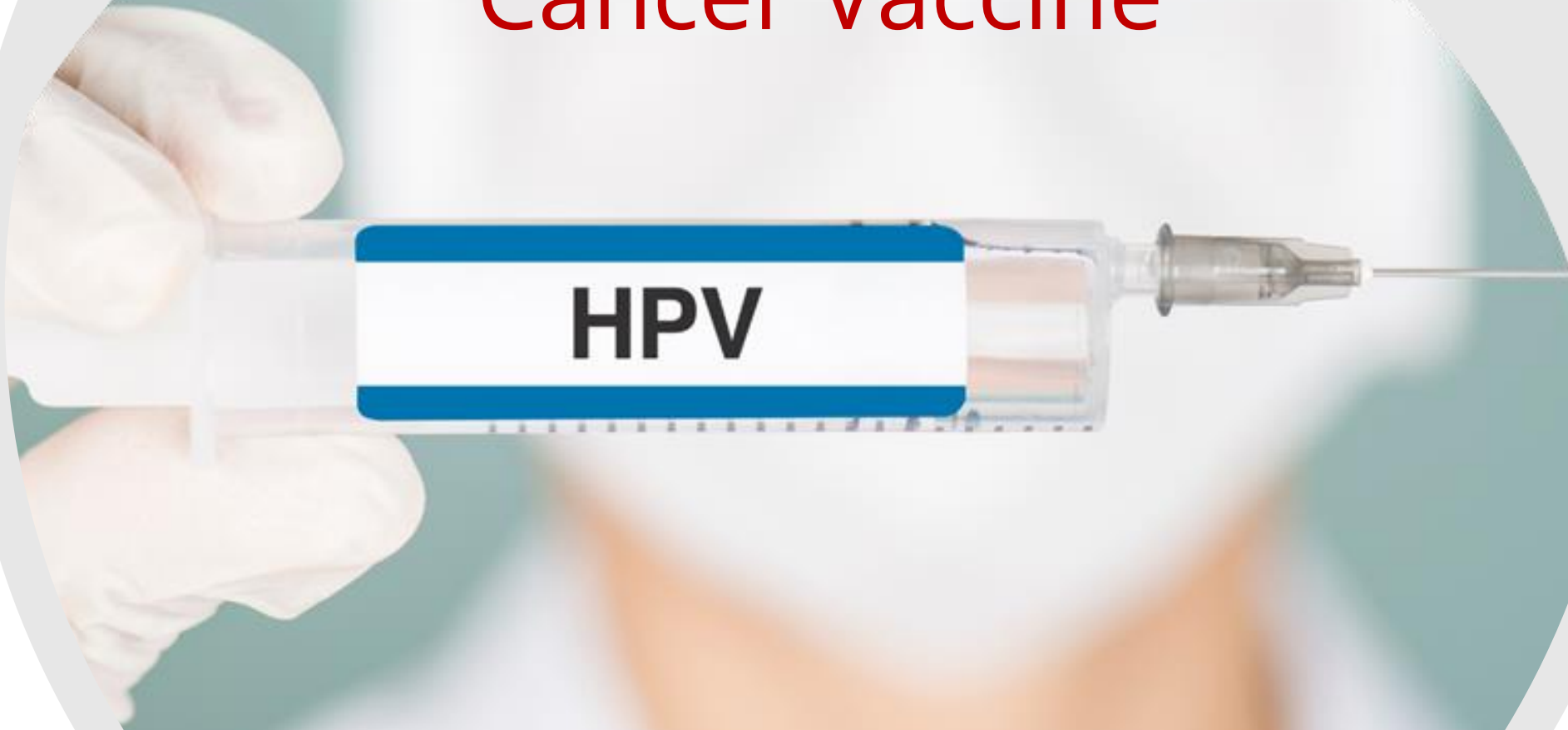
**EAR OR JAW PAIN  
UNEXPLAINED-  
WEIGHT LOSS  
\*SOMETHING  
CAUGHT IN  
THROAT**



**Every day  
~ 12,000  
people ages 15 - 24  
are infected  
with HPV**



# Cancer Vaccine





# Indication for GARDASIL<sup>®</sup> 9 (Human Papillomavirus 9-valent Vaccine, Recombinant)

**FEMALES:** ages 9 – 45 prevention of cervical, vulvar, vaginal, anal, oropharyngeal cancers.

**MALES:** Ages 9 - 45 prevention of anal, oropharyngeal cancers.  
(Penile)

Genital warts caused by HPV Types 6 and 11



# Indication for GARDASIL<sup>®</sup>9 (Human Papillomavirus 9-valent Vaccine, Recombinant)

Protects against types: 6, 11, **16**, **18**, 31, 33, 45, 52, 58

**Oncogenic:** high-risk types **16** and **18**  
responsible for the majority of HPV  
associated oropharyngeal cancers

**Non-oncogenic types:** low-risk types **6** and **11** linked to warts

# HPV Vaccine Schedule

Optimal at 11-12 **strength of immune response** and likelihood of not being exposed yet.

**Prevents twice as many cervical pre-cancers** when given at ages 11-12.

**Does not need to be restarted**

Age when starting series	Doses needed	Spacing (months)
9 -14	2	Initial dose. 6-12 months
15 - 45	3	Initial dose 2 months 6 months

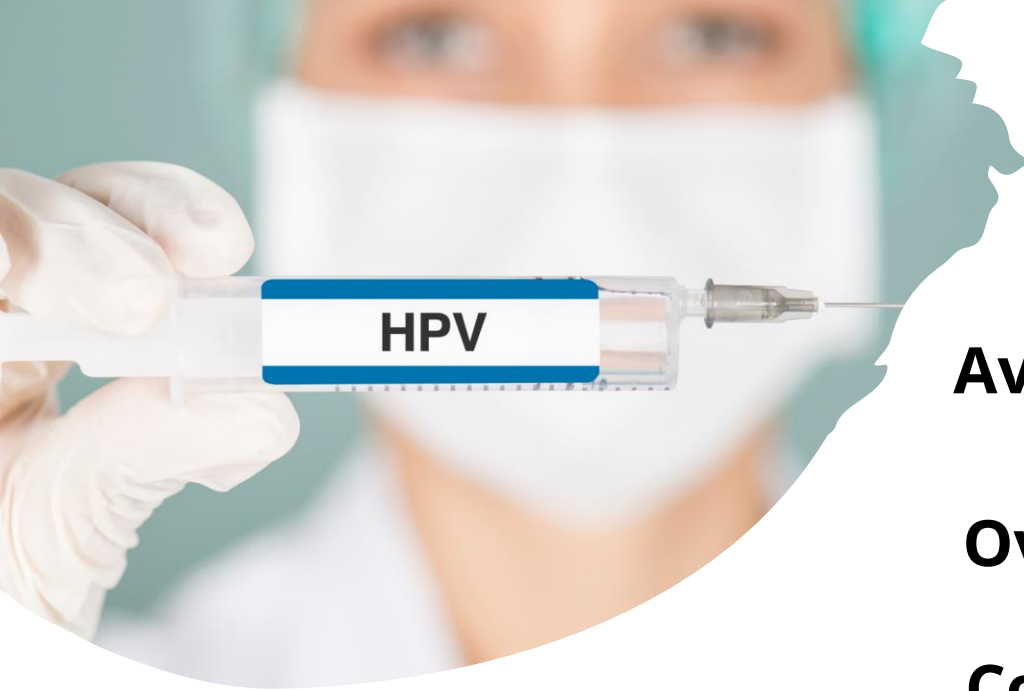
# HPV Vaccine Efficacy

98% effective at **creating immunity** to HPV types in the vaccine

90% effective at **preventing cervical pre-cancers**

Available research estimates 93.3% effective against **oral HPV (16/18) infections**





# HPV Vaccine Safety

**Available:** 2006 females - 2009 males

**Over 100 million doses** given in the U.S.

## **Commonly reported symptoms**

*Dizziness, fainting, headache, nausea, fever, and injection site reaction*

**Contraindicated** - hypersensitivity, including severe allergic reactions to yeast, or after a previous dose of GARDASIL 9 or GARDASIL®

Continuous monitoring of vaccine safety through the Vaccine Adverse Event Reporting System (VAERS)

# Immunization Coverage

Location	Girls	Boys
United States (2018)*	53.7%	48.7%
Colorado (6/2019)**	49.0%	44.9%

Healthy People 2030 Goal: 80%



Questions



## Screening

*Visual and Tactile  
Intraoral & Extroral  
Evaluation*

"I'm going to do an oral cancer screening, evaluating for any abnormalities."

**Educate on HPV**



How closely are you looking?

Loupes  
and  
Light



**Positioning**

## Oral



## Oropharynx

*Posterior 1/3 base of tongue and lingual tonsils,  
palatine tonsils, soft palate, uvula,  
Tonsillar pillars, back wall of the throat,  
Glossotonsillar sulcus.*



Photo from Oral Cancer Consulting



Photo from Oral Cancer Consulting

According to the Skin Cancer Foundation

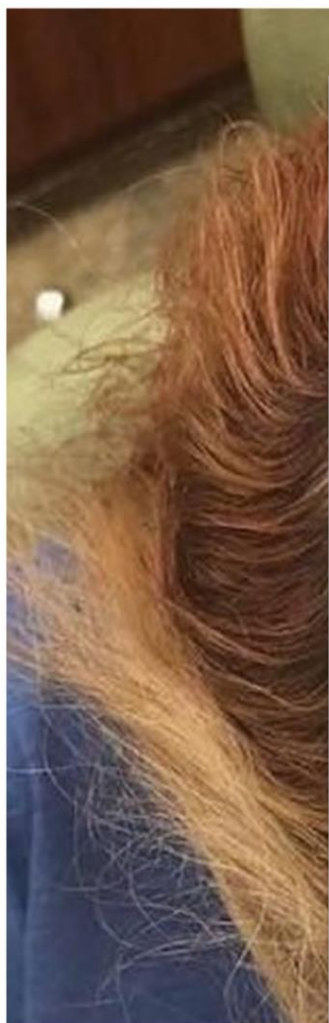
***Skin cancer is the most common cancer in the United States and worldwide.***

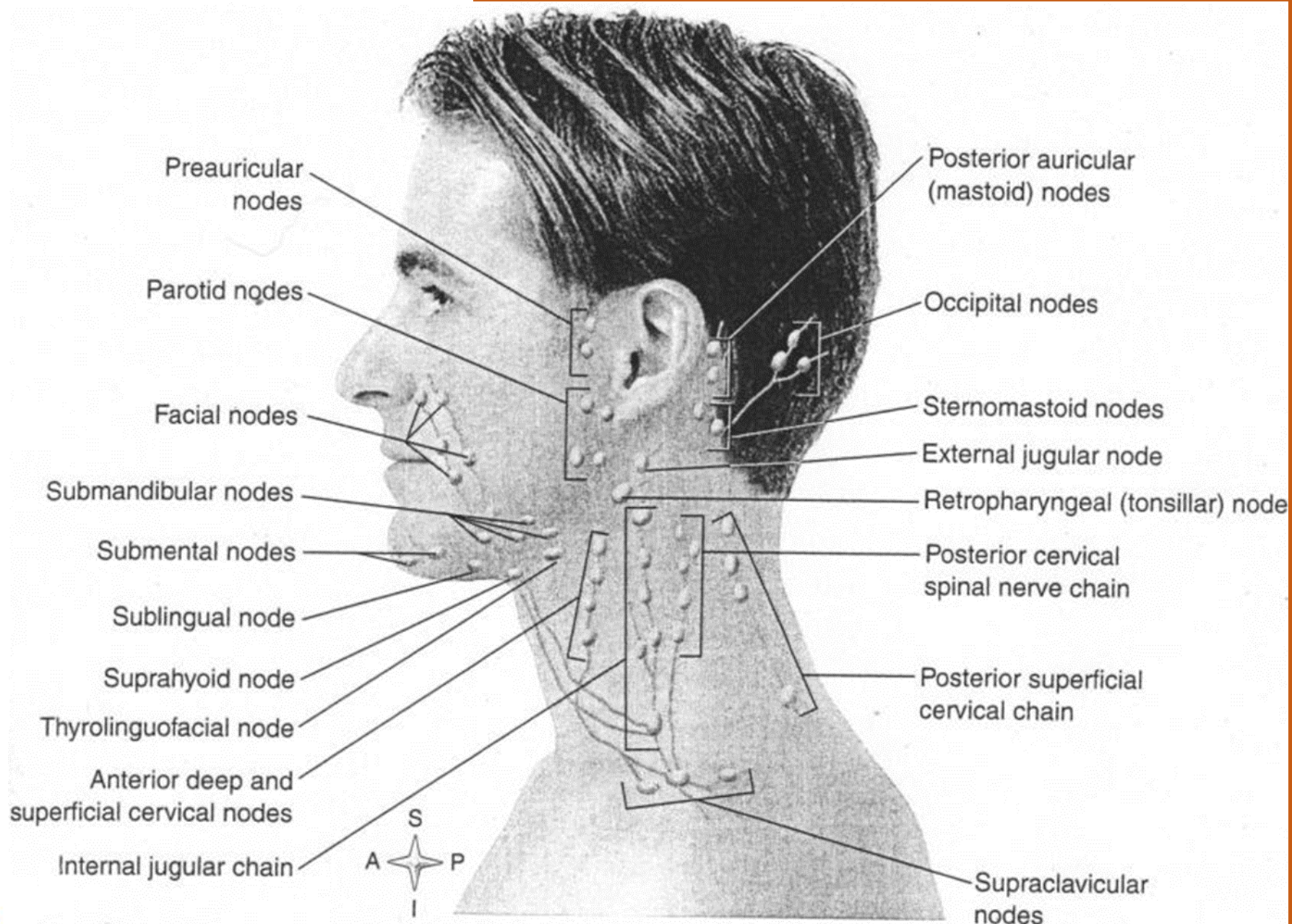
***One in five Americans will develop skin cancer before the age of 70.***

***Having five or more sunburns doubles your risk for melanoma.***

***More than two people die of skin cancer in the US every hour.***

Not Diagnosing







# How closely are you looking?

Female 63yrs. Left side mass upper portion carotid artery. Hard on Palpation, Moveable, No Pain, Apricot in size.

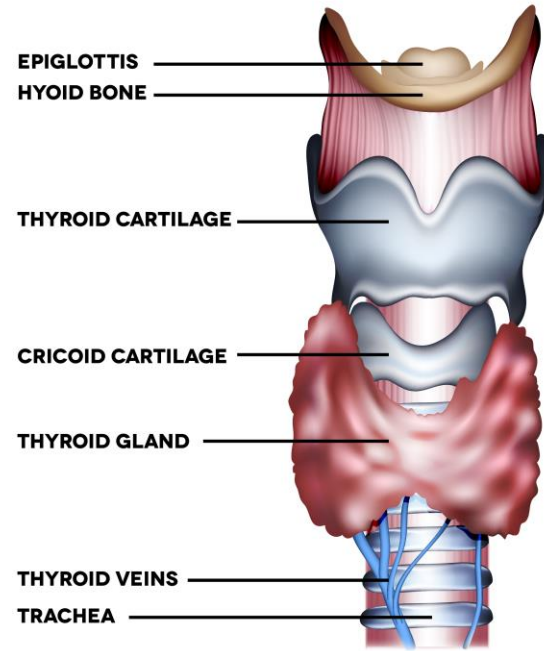
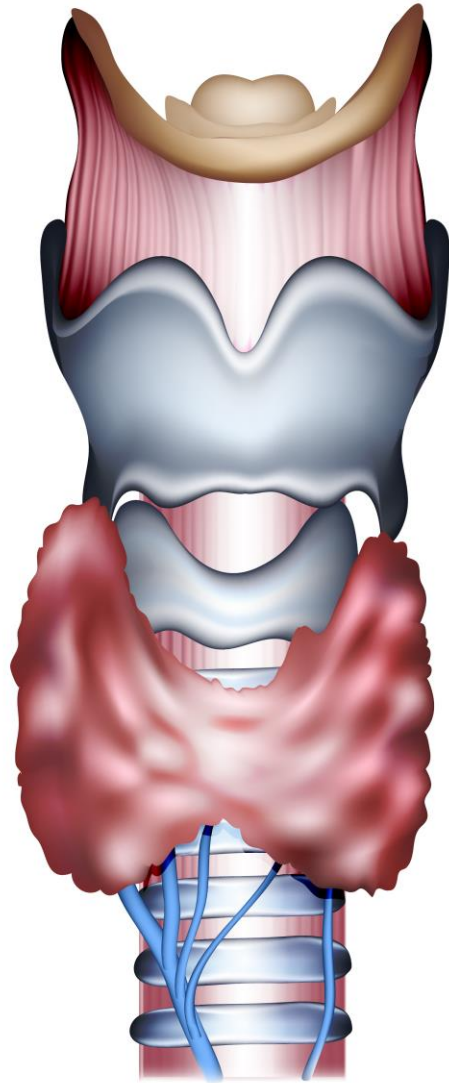
Dx: Benign Carotid Artery Tumor

Size: 22mm X 52mm

Tx: 5.5hour surgery to remove tumor







## THYROID GLAND



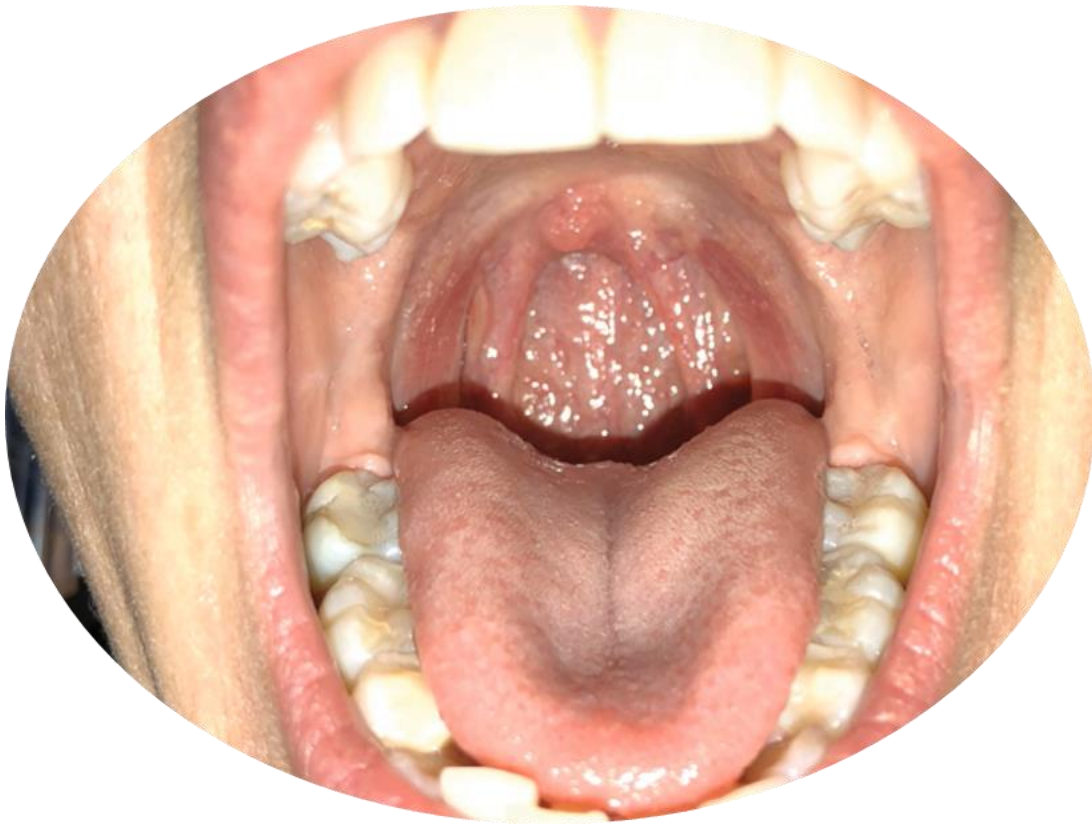
*Intra Oral*

*Visual and Tactile*

*Evaluation*

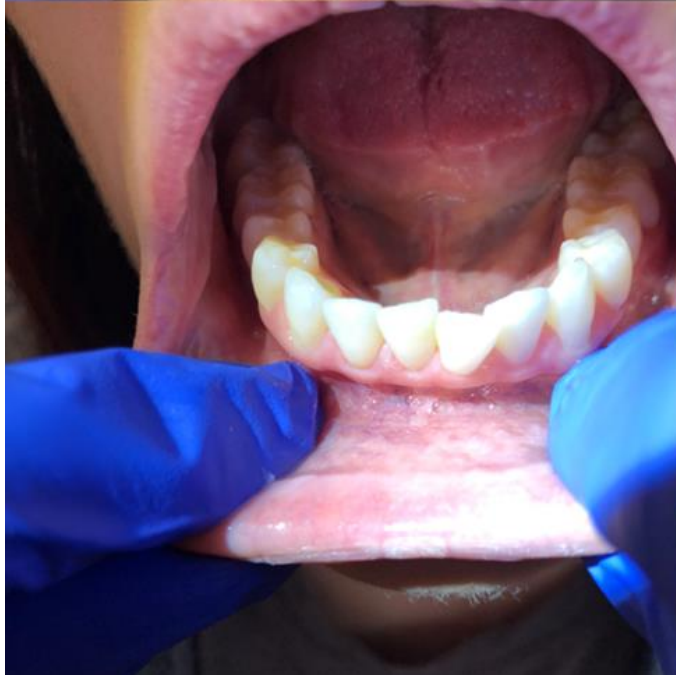
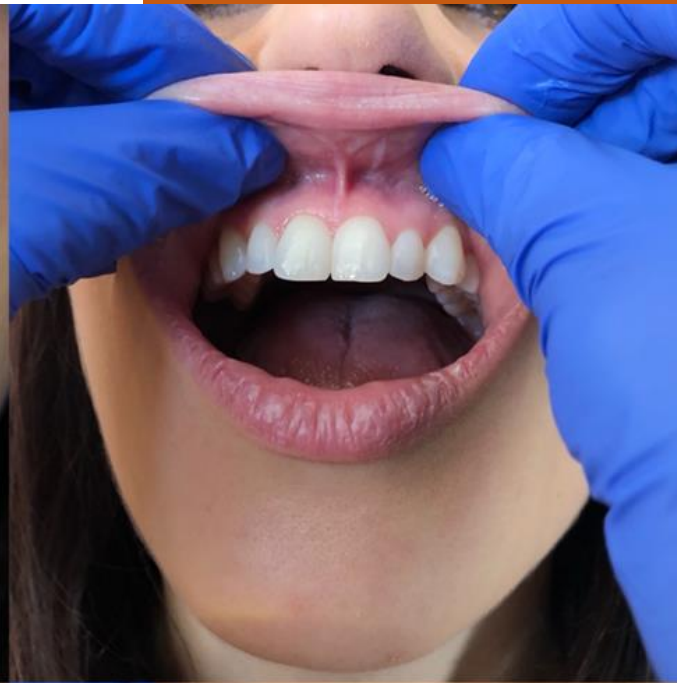


Photo from Oral Cancer Consulting



## Oropharynx

*Posterior 1/3 base of tongue and lingual tonsils,  
palatine tonsils, soft palate, uvula,  
Tonsillar pillars, back wall of the throat,  
Glossotonsillar sulcus*





Photot from Oral Cancer Consulting



Photo from Oral Cancer Consulting



Photo from Oral Cancer Consulting



Photo from Oral Cancer Consulting

# Glossotonsillar sulcus



Photo from Oral Cancer Consulting



Date  
01/21/2019

Description  
OV IMAGES - Dr Nemecek

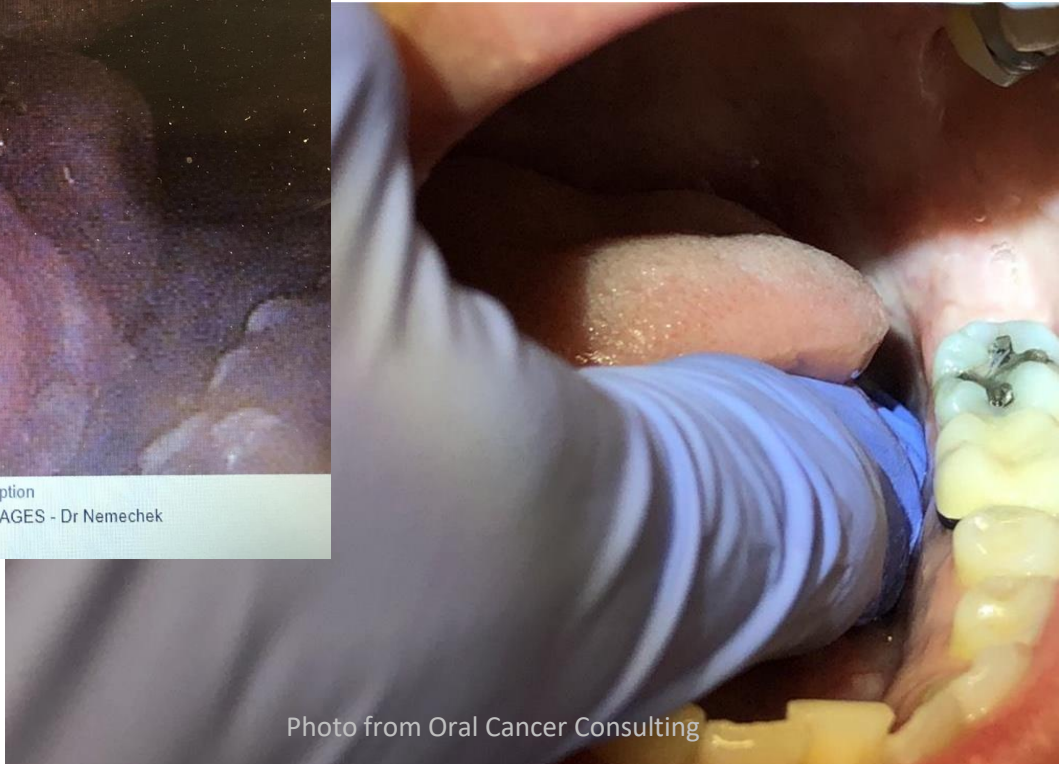


Photo from Oral Cancer Consulting

# Tonsil Grading



0

Surgically removed tonsils



1

Tonsils hidden within  
tonsil pillars



2

Tonsils extending to the  
tonsil pillars



3

Tonsils are beyond the pillars



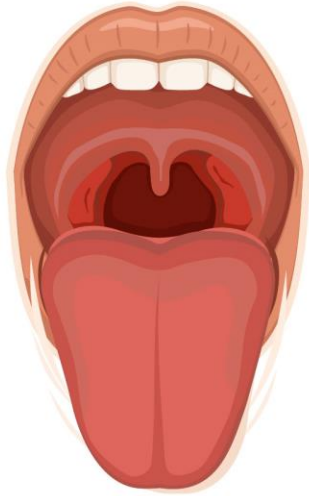
4

Tonsils extend to mid-line

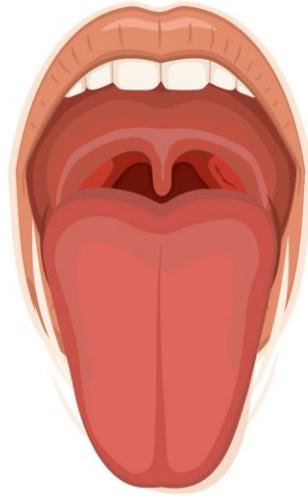




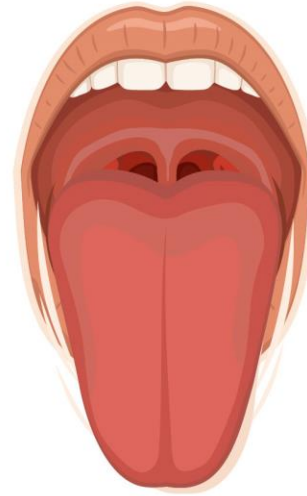
# Mallampati Classification



**Class 1**  
Soft palate, fauces,  
uvula, pillars



**Class 2**  
Soft palate, fauces,  
portion of uvula



**Grade 3**  
Soft Palate,  
base of uvula



**Grade 4**  
Hard palate only



Questions

# The work of the Alliance for HPV Free Colorado:

The specific work of the Dental Workgroup within the Alliance  
for HPV Free Colorado

*To involve dentistry in the fight against HPV-associated  
oropharyngeal cancer through increased  
awareness and education of HPV, HPV vaccine, and screening.*

# Dental Pilot Overview

**Work collaboratively with the Alliance for 1 year**

- ▶ Receive Alliance HPV training – select a site champion
- ▶ Implementing the electronic template
- ▶ Motivational Interviewing training
- ▶ Collecting data to monitor progress
- ▶ Creating a sustainability plan
- ▶ Financial incentive for 12-month commitment - Ongoing support during pilot

## ALLIANCE FOR HPV FREE COLORADO

Funding for this project is supported by the  
Cancer, Cardiovascular and Chronic  
Pulmonary Disease Grants Program.

Don't have an account?

**SIGN IN** 

## Sign up to **HPV**

Enter your personal information



First Name\*



Last Name\*



Email Address\*



Phone Number\*



Password\*



Confirm Password\*



**NEXT**

# THANK YOU

Please check your email for a confirmation email to login to your account.

[Go to Sign in](#)

**ALLIANCE FOR HPV FREE  
COLORADO**

Funding for this project is supported by the  
Cancer, Cardiovascular and Chronic  
Pulmonary Disease Grants Program.

Don't have an account?

**SIGN IN** 

## Sign up to **HPV**

Enter your Practice information



Practice Name\*



Select Dental Specialty



Dentrix



**SIGN UP**

**← BACK**

## Sign in to **HPV**

Welcome back. Enter your credentials to login.

[Forgot Password?](#)

## ALLIANCE FOR HPV FREE COLORADO

Funding for this project is supported by the Cancer, Cardiovascular and Chronic Pulmonary Disease Grants Program.

[Don't have an account?](#)

[SIGN UP](#) 



Select Patient \*

Search Patients



+ Add Patient

Appointment Date

mm/dd/yyyy



To

mm/dd/yyyy



Screened Date

mm/dd/yyyy



To

mm/dd/yyyy



Search

Reset

Note: Displaying patients having today's appointment

Total Records: 22

Patient ID	First Name ↑↓	Last Name ↑↓	DOB ↑↓	Gender ↑↓	Screened ↑↓	Last Screening Date ↑↓
1320701	Stacy	Cummings	7/29/1981 (41 yrs)	Female	✗	-
1320701	Stacy	Cummings	7/29/1981 (41 yrs)	Female	✗	-
1320131	Renuka	Chandra	1/24/1976 (46 yrs)	Female	✗	-
1307674	Julianna	Justice	11/4/1998 (24 yrs)	Female	✗	-
876156	Eden	Cochran	2/12/1971 (51 yrs)	Female	✓	4/6/2022
863870	Elizabeth	Gavan	10/31/1961 (61 yrs)	Female	✗	-

Screen by \*

Erica Pennella



Are you aware there is a vaccine to help prevent throat cancers caused by HPV?



Yes



No

Have you or your child completed the HPV vaccination series?



Yes



No

An oral and oropharyngeal cancer evaluation was performed today.



Yes



No

Was education provided to the patient or parent on the HPV vaccine?



Yes



No

SAVE

CANCEL

# Statistics on Ages 9-17

Question #1

Question #2

Question #3

Question #4

## State Dashboard

Patients Aware of HPV Vaccine Count & Percentage

6,589 | 34%



HPV Screened Patients Count & Percentage

89,000 | 34%



HPV Vaccinated Patients Count & Percentage

6,589,000 | 34%



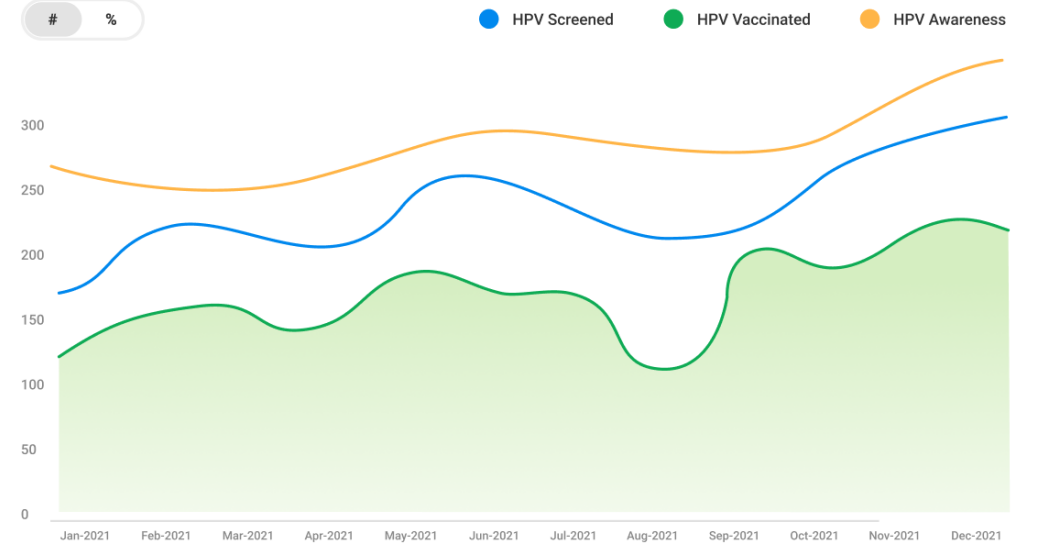
Patients Who Answered Questions Count & Percentage

6,589,000 | 34%



Day Week Month Year Custom Date

## HPV Screened & Vaccinated Report



## Dental Practices

Location: Pony Express Dental | Provider: Select One | Search Dental Practices | EXPORT LIST

Dental Practices	Location	Provider	Screened #	Screened %	Vaccinated #	Vaccinated %
------------------	----------	----------	------------	------------	--------------	--------------



## **Strong Provider Recommendation**

*HPV is a very common infection and is a growing cause of oral cancer, and other cancers. There is a vaccine against HPV that prevents these infections.*

***I recommend you make an appointment with your healthcare provider to receive the HPV vaccine.***

# Motivational Interviewing in a Nutshell

A client-centered, guiding communication style for enhancing a person's **own** motivation for change or behavioral activation.



**Collaborate with the Alliance**

**Incorporate Dental HPV pilot**

**Sustainable part of your clinical priorities**



Dental Provider Toolkit:  
Addressing HPV-Related Oral  
Cancers with Your Patients

**ALLIANCE FOR  
HPV FREE COLORADO**  
HPVFreeCO.org

## Additional Resources

Alliance for HPVFreeCO - [HPV Dental Provider Toolkit](#)

American Dental Association - [HPV Statement](#) and [Policy](#)

American Academy of Pediatrics - [HPV Dental Information](#)

Oral Cancer Foundation - [HPV Information](#)

National HPV Roundtable - [Dental Provider Toolkit](#)

Alliance for HPVFreeCO- [Resources for Professionals](#)

# Contact Information

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Mandy Feeks, MPH, CHES,  
Public Health Program Coordinator  
[Amanda.feeks@dhha.org](mailto:Amanda.feeks@dhha.org)



[www.thedenacademy.com/hpv-course](http://www.thedenacademy.com/hpv-course)

# Alliance Dental HPV Training Course

Fill out this attendance form and you will receive your CE Credit verification certificate via email.

Susan

Cotten

RDH

0000

04/13/2022

Practice

HPV

No

cotten.ocf.co@gmail.com



Dentists – AGD Pace number

Course Code – HPV

Course Location – Salud

Date – 04/14/2022

Course online - No

[www.thedenacademy.com/hpv-course](http://www.thedenacademy.com/hpv-course)



COURSE ATTENDANCE VERIFICATION

Participant's Name: \_\_\_\_\_

State and License #: \_\_\_\_\_

Participant AGD ID #: \_\_\_\_\_

Course Name: **The Alliance HPV Training Course**

Speaker: **Susan Cotten**

Educational Method: **Lecture**

Hours: **1 CEU**

Course Date:

Location:

AGD Course Code: 736

Authorized by: Janiece C. Ervin RDH, BSDH



Dental Explorer Network  
Nationally Approved PACE Program  
Provider for FAGD/MAGD credit  
Approval does not imply acceptance  
Any regulatory authority or AGD endorsement  
4/1/2021 to 3/31/23 Provider ID# 391324

**Keep this form for your records**

**AGD Members:** Dental Explorer Network will submit attendance verification to the AGD on your behalf. Please allow at least 30 days for documentation of participation to be added to your transcript

**ALLIANCE FOR HPV FREE COLORADO**



# Thank you!

**ALLIANCE FOR  
HPV FREE COLORADO**  
HPVFreeCO.org

**Susan Cotten, BSDH, RDH, OMT;  
Dental Workgroup Lead**  
*[cotten.ocf.co@gmail.com](mailto:cotten.ocf.co@gmail.com)*