

University of California San Francisco



Lunch & Learn: What You Need to Know About HPV and the HPV Vaccine

April 20, 2023

Housekeeping

- Meeting is being recorded and will be posted on the COHTAC website and YouTube – follow up materials and a link to the recording will be emailed
- Questions are welcomed in the chat box and will be answered at the end of the presentation – please stay muted until called on
- Comments, resource sharing, and other discussion are also welcomed in the chat box
- Please take a minute at the end to complete the evaluation survey



Lunch & Learn: What You Need to Know About HPV and the HPV Vaccine

- On a scale of 1-5 (1=not at all, 5=very), how knowledgeable are you regarding the HPV vaccine?
 - Average: 2.8
- Are you planning any efforts around HPV in your LOHP?
 - 7 LOHPs responded yes, with another 7 saying they're considering it
 - One LOHP reported developing a toolkit for providers
- 35 LOHPs selected Objective 4, which includes providing protocols for providers to assess and document risk factors for oral and oropharyngeal cancers (4.1.a)



Lunch & Learn: What You Need to Know About HPV and the HPV Vaccine

Speakers

- Dr. Maritza Cabezas, Dental Director, Los Angeles County Oral Health Program
- Dr. Rita Chen, Senior Dentist, Los Angeles County Oral Health Program
- Dr. Lin Chan, Dentist, Los Angeles County Oral Health Program
- Dr. Abrey Daniel, Dentist, Los Angeles County Oral Health Program





COUNTY OF LOS ANGELES Public Health

What You Need to Know about HPV and the HPV Vaccine

Maritza Cabezas, DDS, MPH Dental Director

> **Rita Chen, DDS** Sr. Dentist

Lin Chan, DDS Dentist

Abrey Daniel, DDS Dentist

Los Angeles County Department of Public Health Oral Health Program Funded by the CDPH under Contract # 22-10173





We have no actual or potential conflict of interest in relation to this program/presentation.



Objectives

- 1. Learn about LA County's implementation of State workplan activity 4.1A
- 2. Learn facts of Human Papillomavirus (HPV) and associated diseases
- 3. Learn the HPV vaccination safety and recommended schedule by age

- 4. Learn the different signs of oropharyngeal and oral cancers; and the high-risk factors for oropharyngeal cancer
- 5. Understand how HPV cancer rates affect men and women differently
- 6. Learn what steps dental health care personnel can take to encourage HPV vaccines



Why Are We Here Today?



Share Work Plan Activity 4.1a implementation



Help Increase Human Papillomavirus (HPV) Vaccine Rates



Raise Awareness of Oropharyngeal Cancer and its Prevention



Promote Oral Cancer Awareness Month, Since it is in April



State Workplan Activity Implementation



Activity Description

Activity 4.1a

- Provide protocols for dental care providers to assess and document risk factors for oral and pharyngeal cancers and conduct and document assessments
- Provide referral resources for follow-up to primary care



Evaluating/Reporting/Performance Measure



Training materials

Toolkit for screening

Community-based resources for referrals to physicians, etc. to mitigate oral disease risk factor

Submit data annually on number of dental offices connected to resources to CDPH/OOH



State Workplan Activity Implementation

How is LA County implementing Activity 4.1a?

- The goal is to educate oral health providers on oropharyngeal cancer prevention
- Reaching out to the five dental societies : (Los Angeles Dental Society, Harbor Dental Society, San Fernando Valley Dental Society, Western Los Angeles Dental Society, Tri-County Dental Society)
- Providing a continuing education opportunity in collaboration with the Office of Oral Health/California Oral Health Technical Assistance Center to dental society members



HPV vaccination rates across the U.S., California, and Los Angeles County

	Healthy People 2030 Objective U.S. Target (%)	U.S. (%) 2017	California (%) 2016	Los Angeles County (%) 2018
Human Papillomavirus (HPV) vaccination coverage level of 2 or 3 doses of HPV vaccine for females by age 13 to 15 Years	80.0	49.9	50.1	32
Human Papillomavirus (HPV) vaccination coverage level of 2 or 3 doses of HPV vaccine for males by age 13 to 15 Years	80.0	42.3	55.1	31

12 2013. National Program of Cancer Registries (NPCR); Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion (CDC/NCCDPHP). Surveillance, Epidemiology, and End Results Program (SEER); National Institutes of Health, National Cancer Institute (NIH/NCI).

[2] 2009-2013. California Cancer Registry, California Department of Public Health. SEER*Stat Database: Incidence - California, Dec 2018. Prepared by the California Cancer Reporting and Epidemiologic Surveillance (CalCARES) Program, Institute for Population Health Improvement, UC Davis Health.

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[4] 2017. National Immunization Survey-Teen (NIS-Teen), CDC/NCIRD and CDC/NCHS.

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Let's Hear from the Patient



https://www.youtube.com/watch?v=gthLwHV_DHc

1. Credit: American Cancer Society (ACS) and Academy of General Dentistry. cancer.org or cancer.org/hpv, @AmericanCancer on Twitter or @AmericanCancerSociety on all other platforms.



Fighting HPV is Now Mainstream



Fighting HPV

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The History of Human Papillomavirus

Rita Chen, DDS





The History of HPV

There are many fascinating stories behind Human Papilloma Virus!

1845

Rigoni-Stern, an Italian physician described that many of his prostitute patients died of cervical cancers. However, the nuns from the covenant nearby hardly suffered the same fate.^{1,2}



The History of HPV

One notable discovery is:

1911

Dr. F. Peyton Rous, an American scientist demonstrated that sarcoma on the chest of a chicken could be transplanted to another chicken. Because cell-free tumor extracts resulted in transmission of the sarcoma to other hens, he postulated the agent must be a small transmissible agent, possibly a virus.¹



HPV Timeline





Human Papillomavirus (HPV) are small, double stranded DNA Virus

Species specific – HPV only affects humans



Estimated 79 Million persons are infected in the U.S. More than 42 million Americans are infected with types of HPV that cause disease.

Divided into cutaneous and mucosal

categories

Over 200 different types have been identified About 13 million Americans, including teens, become infected each year¹



- HPV infection is common. Eight out of ten people will get HPV at some point in their lives
- HPV can infect anyone
- Most HPV infections do not cause cancer
- High-risk HPV infections that persist can cause cancer





The HPV virus are divided Into two categories:







HPV is highly contagious

- HPV is spread through intimate skin to skin contact
- It can be spread when the infected person has no signs or symptoms



HPV and Cancer

HPV can cause several types of cancer

CERVICAL VAGINAL VAGINAL

There are 14 high risk HPV types:

 HPV 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, and 68



HPV Links to Oropharyngeal Cancer



Salivary glands are located throughout the oral cavity. These are identified for illustrative purposes only. Not all sites, such as cheek, are included in this figure.





HPV Vaccine Milestones





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HPV Facts and Associated Diseases

Maritza Cabezas, DDS, MPH





HPV Facts



- About 90% for men and 80% for women will get an HPV infection in their lifetime
- Nearly 80 million Americans are currently infected with some type of HPV
- HPV is spread through intimate skin-to-skin and mucosal-to-mucosal contact



HPV by the Numbers



Certain strains of HPV cause 70% of oropharyngeal cancers in the U.S.¹



Cancers of the oropharynx are about four times more common in men than women ²



One in nine American men have oral HPV¹



Oral HPV has been detected in newborns when the mother has an HPV cervical infection.³



Each year in the U.S., about 47,199 HPV-associated cancers occur $^{\rm 4}$



Of these, HPV causes about $37,300^4$

1. http://annals.org/aim/article-abstract/2657698/oral-human-papillomavirus-infection-differences-prevalence-between-sexes-concordance-genital

2. https://www.cdc.gov/cancer/hpv/basic info/hpv oropharyngeal.htm

3. http://journals.sagepub.com/doi/abs/10.1177/10454411000110020801



HPV Facts

- Oropharyngeal cancer is the 8th most common cancer among males and the 13th most common among females in the United States, with a five-year relative survival rate¹ of 66%
- Cervical cancer is the 4th most common cancer among women
- Chaturvedi et al. estimated that by 2020, the incidences of HPV-positive oropharyngeal cancers will be greater than the incidences of cervical cancer, and that by 2030, half of all head-and-neck cancers will be related to HPV²



Two HPV types (16 and 18) are responsible for nearly all cervical and oropharyngeal cancer

Siegel RL, Miller KD, Hemal A. Cancer statistics, 2015. CA Cancer H Clin. 2015;65(1):5-29.
 Chaturvedi AK, Engels EA, Pfeiffer RN, et al. Human papillomavirus and rising oropharyngeal cancer incidence in the Unites States. J Clin Oncol. 2011;29(32):4294-4301.



HPV by the Numbers

Most HPV infections (9 out of 10) go away by themselves within two years. Sometimes HPV infections will last longer, and can cause certain types of cancers. 6 types of cancer linked by HPV:



of oropharynx, vaginal, & vulvar 70% cancers are thought to be caused by HPV



of cervical and anal cancers are thought to be caused by HPV



63% of penile cancers are thought to be caused by HPV



HPV and Cervical Cancer



HPV and Oropharyngeal Cancer



Salivary glands are located throughout the oral cavity. These are identified for illustrative purposes only. Not all sites, such as cheek, are included in this figure.





Number of New HPV-Associated Cancer Cases Each Year

United States 2015-2019



2. https://www.cancer.gov/about-cancer/causes-prevention/risk/infectious-agents/hpv-and-cancer



Call to Action

You have the power to reduce the incidence of human papillomavirus (HPV) associatedcancers and pre-cancers among patients in your care.

It is estimated that approximately 90% of the newly diagnosed HPV-attributable cancers in the US could be prevented by receipt of the HPV vaccine.



Cancer prevention starts with you.



The HPV Vaccine is Cancer Prevention





HPV and Benign Lesions

Human papilloma virus–associated oral benign conditions include:

- Oral Verruca Vulgaris HPV 2 and 4
- Oral Squamous Papilloma HPV 6 and 11
- Condyloma Acuminata HPV 2, 6 and 11
- Focal Epithelial Hyperplasia HPV 13 and 32





Oral Benign Lesions (Oral Warts)

Squamous papilloma Verruca vulgaris

Signs:

- Single or multiple
- Any mucosal or pedunculated
- Small fingerlike projections
- Rough, pebbled surface
- Whitish or light pink

Symptoms:

• Non-painful (unless traumatized)

Etiology Human Papillomavirus

Diagnosis Clinical diagnosis

Treatment Surgical excision cyotherapy







Condyloma Acuminata HPV 2, 6 and 11





Focal Epithelial Hyperplasia HPV 13 and 32






HPV and Oropharyngeal Cancer

HPV Papilloma extending from nasopharynx to oropharynx



Adelstein DJ, Rodriguez CP. Human papilloma virus: changing paradigm in oropharyngeal cancer. Curr Oncol Rep 2010;12:115-20



HPV Links to Oropharyngeal Cancer

HPV Tonsil



Adelstein DJ, Rodriguez CP. Human papilloma virus: changing paradigm in oropharyngeal cancer. Curr Oncol Rep 2010;12:115-20



High-Risk Factors for Oropharyngeal Cancer

- Chewing tobacco
- Heavy smoking (more than a pack a day)
- Chronic inflammation
- Having a weakened Immune system
- Poor oral hygiene
- Current cannabis use
- A history of multiple sex partners





Oral and Oropharyngeal Cancer





Early Signs of Oral Cancer

Characterized by:

- a visible lesions in the mouth
- a persistent white and/or red lesion
- a non-healing ulcer
- progressive swelling
- sudden tooth mobility without apparent cause
- unusual oral bleeding or epistaxis





Early Signs of Oropharyngeal Cancer

Characterized by:

- A neck mass
- Persistent odynophagia, dysphagia, dysphonia, otalgia
- A feeling of a lump in the throat
- Enlarged lymph nodes
- Unexplained weight loss
- Consistent sore throat





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HPV Vaccine Safety and Recommendations

Lin Chan, DDS





HPV Vaccine Safety

HPV vaccine is non-infectious and highly effective

- HPV vaccines are based on virus-like particles (VLPs) that are formed by HPV surface components¹
- VLPs lack virus' DNA
- The VLPs have been found to be strongly immunogenic, which means that they induce high levels of antibody production by the body. This makes the vaccines highly effective





HPV Vaccine Safety



- Over 15 years of monitoring and research were conducted
- All three licensed vaccines went through extensive safety testing
- More than 135 million doses distributed in the U.S.
 - > Vaccine safety surveillance data demonstrate that HPV vaccine is safe and effective



HPV Vaccine - Possible Side Effects

- Pain, redness, or swelling in the arm where the shot was given
- Fever
- Headache or feeling tired
- Nausea
- Muscle or joint pain
- Dizziness or fainting
 - To prevent fainting and injuries from fainting, anyone receiving the vaccine should be seated or lying down during vaccination and for 15 minutes after getting the shot





Contraindications

Severe allergic reaction (e.g., anaphylaxis) after a previous dose or to a vaccine component, including yeast



Pregnancy



Long-lasting Protection

- Studies suggest that vaccine protection is long-lasting
- No evidence of waning protection





Since HPV vaccination was first recommended in 2006, infections with HPV types that cause most HPV cancers and genital warts have dropped 88% among teen girls and 81% among young adult women.¹

There was a 65% reduction in cervical cancer rates in women ages 20-24 from 2012 through 2019, in the wake of the introduction of the human papillomavirus (HPV) vaccine.²





Top Five Reasons for Not Vaccinating Adolescents with HPV Vaccine*

Parents of Girls Parents of Boys REASON PERCENTAGE REASON PERCENTAGE Lack of knowledge 15.5 Not recommended 22.8 Not needed or Not needed or 14.7 17.9 necessary necessary Safety concern/Side Lack of knowledge 15.5 14.2 effects 7.7 Not sexually active 13.0 Not recommended Safety concern/Side 6.9 Not sexually active 11.3 effects

National Immunization Survey-Teen, United States, 2013



Frequently Asked Questions and Talking Points





CDC's Advisory Committee on Immunization Practices (ACIP) Recommends:

- HPV vaccination for girls and boys at ages 11 or 12 years to protect against cancers caused by HPV infections (Vaccination can be started at age 9)
- In June 2019, ACIP recommended catchup HPV vaccination for all persons through age 26





- Food and Drug Administration (FDA), in 2018, approved HPV vaccine to be given through age 45 years
- CDC ACIP recommends that clinicians consider discussing with their patients in this age group if HPV vaccination is right for them
- HPV vaccination in this age range provides less benefit because more people have already been exposed to the virus







*All doses contain the same contents and amounts.



The age range and dosage schedule is based on immunogenicity studies

- A two-dose schedule (0, 6–12 months) will have efficacy equivalent to a three-dose schedule (0, 1–2, 6 months) if the HPV vaccination series is initiated before the fifteenth birthday
- Therefore, age fifteen is determined as the starting of three doses





Recommended Vaccination Schedule





Critical AGES 15-26 3 Doses

1st dose at visit one 2nd dose 1-2 months later 3rd dose 6 months after 2nd



*Exception if immunocompromised and ages <15, need 3 doses.



Start the HPV Conversation Early!

- Vaccination at age 9 offers more time for completion of the series by the age of 13
- Results in a strong immune response to HPV vaccine
- Increases the likelihood of vaccinating prior to first HPV exposure
- Decreases questions about sexual activity
- Decreases the number of administered shots per visit
- Cancer prevention decreases as the age of vaccination increases - it is important to start early!





The Critical Role Public Health Professionals and Dental Health Care Professionals Play in Cancer Prevention Abrey Daniel, DDS





Policies on HPV

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—

- The American Dental Association adopted a policy in 2018 urging dentists to support the use and administration of the HPV vaccine
- The American Academy of Pediatric Dentistry (AAPD) has a policy on HPV vaccinations
 - ▷ The AAPD encourages oral health care providers to educate patients, parents, and guardians on the serious health consequences of oral and oropharyngeal cancer (OOPC) and the relationship of HPV to OOPC



Common Barriers to the Discussion of HPV in Dental Settings

- Lack of education and training
- Lack of information about the HPV vaccine and the connection to cancer
- Discomfort discussing sexual history or topics such as oral sex and HPV
- Fear of offending a patient





Resources You Can Provide Dental Health Personnel





HPV vaccination rates across the U.S., California, and Los Angeles County

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Action Guide





Actions Dental Providers Can Take

- Action 1: Know Your Role
- Action 2: Practice Cancer Prevention
- Action 3: Refer patients for vaccinations
- Action 4: Collaborate
- Action 5: Engage Your Team

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Toolkit

- The Massachusetts HPV Coalition has a free dental toolkit
- The toolkit includes provider materials such as talking tips and background research and patient materials
- Patient materials are available in English,
 Spanish, Brazillian Portugese, Hatitian Creole,
 Arabic, Chinese, and Vietnamese
- There is an opportunity to co-brand the toolkit





Toolkit: Talking Tips





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Toolkit: Patient Educational Resources





American Dental Association Webinars



Preventing HPV Cancers in Action Part 3: 'Building Blocs'	
— Medical-Dental Collaboration Models and More	
	1 CE credit(s)
	Start Course
Preventing HPV Cancers in Action Part 2: Dentists As	
Vaccinators	
	1 CE credit(s)
	Start Course
Preventing HPV Cancers in Action Part 1: The Critical Role of the Dentist	
Role of the Dentist	
	1 CE credit(s)
	Continue



Referral Resources for Follow-up to Primary Care





VACCINE PREVENTABLE DISEASE CONTROL PROGRAM PROVIDER REFERRAL LIST



These clinics provide no-cost or low-cost immunizations to children 18 years of age and younger. Some clinics also offer vaccines for adults. If you have health insurance or a regular health care provider, please contact them for immunization services. Children 12 years of age and older may consent to receive HPV and heaptilts B vaccines. For all other vaccines, parental consent is required.

Please call to confirm which immunizations are provided and to check the clinic's hours. Bring your child's immunization record (yellow card), if you have one.

Estas clínicas proporcionan vacunas a bajo costo o sin costo a los niños de 18 años de edad y menor. Algunas clínicas también ofrecen vacunas para los adultos. Si tiene seguro de salud o un proveedor de atención médica regular, por favor comuniquese con elios para los servicios de inmunización. Minos mayores de 12 años pueden consentir para receitró las vacunas del IPV y de la hegolis. B. Toda dara xuanas se requiere el consentineinto de los padres.

Favor de llamar a la clínica para confirmar qué vacunas son proporcionadas y para verificar el horario de la clínica. Lleve el registro de la vacunas de su niño(a) (tarjeta amarilla) si tiene una.

For referrals to no-cost and low-cost immunization providers, dial 2-1-1 (Los Angeles County Information Line) Llame a la Linea de Información del Condado de Los Angeles al 2-1-1 para referencias a proveedores de vacunas sin o a bajo costo.

CITY			PROVIDER NAME	ADDRESS	ZIP	PHONE
Alhambra	•	VFA	Chinatown Service Center - Community Helath Center - Sar	Ga 320 S. Garfield Avenue, Suite 118	91801	(626) 773-338
Arleta			El Proyecto Del Barrio - Arleta	8902 Woodman Avenue	91331	(818) 830-703
Azusa	٠	VFA	El Proyecto Del Barrio - Azusa	150 North Azusa Avenue	91702	(626) 969-788
Baldwin Park			Central City Community Health - Baldwin Park	4126 N. Maine Avenue	91706	(626) 653-080
Baldwin Park	٠	VFA	El Proyesto Del Barrio - Baldwin Park	3942 Maine Avenue	91706	(626) 678-929
Bell		VFA	Northeast Community Clinic - Community Medical Alliance	4129 E. Gage Avenue	90201	(323) 771-840
Bell Gardens			FHCCGLA - Bell Gardens Family Medical Center	6501 S. Garfield Avenue	90201	(562) 928-960
Bell Gardens			FHCCGLA-SCHOOL BASED HEALTH CENTER	6119 Agra Street	90201	(323) 457-998
Bell Gardens	٠	VFA	JWCH - Bell Gardens Health Center	6912 Ajax Avenue	90201	(323) 562-581
Bellflower	•	DHS	Beliflower Health Center	10005 E. Flower Street	90706	(562) 804-811
Bellflower	•	VFA	JWCH - Wesley/Beliflower Health Center	14371 Clark Avenue	90706	(562) 867-600
Boyle Heights	•	VFA	AltaMed Health Services - Boyle Heights 1st Street	2219 E. 1st Street	90033	(323) 269-042
Burbank			All Inclusive Community Health Center	1311 N. San Fernando Blvd.	91504	(818) 843-99
Canyon Country			Facey Medical Foundation - Canyon Country	17909 N. Soledad Canyon Road	91387	(661) 250-52
Canyon Country			Samuel Dixon Family Health Center - Canyon County	27225 Camp Plenty Road, Suite 4	91351	(661) 424-122
Carson	•	VFA	South Bay Family Health Care Center - Carson	270 E. 223rd Street	90745	(310) 221-680
City of Industry			Herald Christian Health Center - City of Industry	1661 Hanover Rd Ste. 103	91748	(626) 286-870
Claremont			Pomona Valley Health Center at Claremont	1601 N. Monte Vista Avenue, Suite 100	91711	(909) 630-793
Commerce	•	VFA	AltaMed Health Services - Commerce	972 Goodrich Blvd.	90022	(323) 853-60
Compton			Aghaby Comprehensive Community Health Center	349 W. Compton Blvd.	90220	(424) 785-517
Compton			Banj Health Center	201 N. Central Avenue	90220	(310) 635-712
Compton	•	VFA	De Novo Health Care, Inc.	803 E. Rosecrans Avenue	90221	(310) 605-48
Compton	•	DHS	Dollarhide Health Center	1108 N. Oleander Street	90222	(424) 338-18
Compton			R.O.A.D.S. Community Care Clinic	121 S. Long Beach Blvd.	90221	(310) 627-58
Compton	•	VFA	St. John's Well Child & Family Center - Compton	2115-A N. Wilmington Avenue	90222	(310) 603-133
Compton	•	VFA	St. John's Well Child & Family Center - Dominguez	15301 S. San Jose Avenue	90221	(562) 630-68
Covina		VFA	East Valley Community Health Center, Inc	276 West College Street	91723	(626) 919-572
Cudahy		VFA	Cudahy Family Health Center	7910 Atlantic Avenue, Suite M	90201	(323) 908-421
Cudahy			Wellness Center at Elizabeth Learning	4811 Elizabeth Street	90201	(323) 908-42
hursday, June 07, 1 * = No-cos		low-co	DHS = Department of Health Services Di st adult vaccinations may be available	PH = Department of Public Health * VFA = Vaccines for Adults		Page 1

2. http://publichealth.lacounty.gov/ip/IZclinics/PROVIDERS_REFERAL_LIST_06_07_2018.pdf



Education Materials for Community Members







CDC 24/7: Saving Lives. Protecting	a People [™]		Search	Vaccines site - Q
ccines for Your Childi	en			
ents $>$ Diseases that Vaccines	Prevent			
Parents	Vacc	ine (Shot) for Human Pa	apillomaviru	S
/hy Vaccinate	+	Spanish) Print	•	
accine Schedule	+			
accines by Age	+ Print	0 * * * 0 0 × . *	A 2 2 8	0 * 5 * 0
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Chickenpox (Varicella)		n Papillomavirus) ed [hu-man pap-il-lo-ma-vi-rus]	00000	S # 10 0
Diphtheria				
Flu (Influenza)	HPV va	ccination is recommended at ages 11-12 years to	protect against cancers ca	aused by HPV infection.
Hepatitis A	When	should my child get the shot?		
Hepatitis B	11-12 Ye	11-12 Years		
Hib		doses of the HPV shot are needed, 6-12 months		
HPV (Human		shots are given less than 5 months apart, a 3 rd	dose is needed.	
Papillomavirus)		after 15 th birthday		
Measles		e doses of the HPV shot should be given over 6 m		as seen as possible
Meningococcal	• iryot	ur teen hasn't gotten the vaccine yet, talk to his/h	er doctor about getting it a	as soon as possible.
Mumps		nild can get the first dose of the HPV vaccine at the gits and whooping cough.	e same visit they get vacci	ines to protect against
Pneumococcal				
Polio	Why d	oes my child need the HPV sho	ot?	
Rotavirus	Prote	ects against infections that can lead to certain car	ncers.	
Rubella	treat	ects against abnormal cells that can lead to cance ment for these precancers.		
Tetanus	Prote	ects your child long before they are ever exposed	to cancer-causing infectio	ons.
Whooping Cough (Pertussis)		The HPV shot is safe. The HPV shot is very safe, and it is	in the Uni	r 135 million doses distributed ited States, HPV vaccine has a g safety record that's backed by
Diseases You Almost Forgot About		effective at protecting against HPV infection. Vaccines, like any medicine,		ears of monitoring and



Flyers and Posters





American Cancer Society



Ver en español

Home - Risk, Prevention, & Screening

Prevent 6 Cancers with the HPV Vaccine

HPV, or Human Papillomavirus, is a common virus that can cause 6 types of cancer. While there is no treatment for HPV, there is a vaccine that can prevent it.

If your son or daughter is between ages 9 and 12, talk to their doctor about the HPV vaccine. The vaccine is safe, effective, and long-lasting.

Vaccinating your child at the recommended ages can help keep them healthy well into adulthood and is the best way to prevent HPV cancers later in life.



3 steps to take now

1.) Use this site to learn the facts about the HPV vaccine and how it can help protect your child from 6 types of cancer later in life.

2) Call your child's doctor to schedule an appointment or request the HPV vaccine at your child's well visit.

 If you have any questions about the HPV vaccine, write them down and take them to your child's doctor visit.



Gardasil Website



Patient Information Prescribing Information Important Safety Information For Health Care Professionals

What Is the HPV Vaccine? Why Vaccinate Now? Safety & Side Effects HPV Vaccine Schedule FAQs

Information About GARDASIL 9





Important Points to Share with Dental Health Care Personnel

- Some patients may not know that the HPV vaccine protects against oropharyngeal cancers, cervical cancers and 4 other types of cancers
- It is within a dental health care personnel's scope of practice to discuss oral cancer risk reduction
- It is not necessary for dental health care personnel to mention sexual transmission of HPV
- The dental health care personnel could include discussion of the HPV vaccine when asking if the patient (or their children) are current with their immunizations, including the HPV vaccine







Public health professionals and oral health professionals play a critical role in combating growing rates of HPV-positive oropharyngeal cancers, which affect the tonsils and the base of the tongue.

Public health professionals and oral health professionals should strongly and clearly recommend HPV vaccination to all ageeligible patients.





Special Thanks to:

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The California Oral Health Technical Assistance Center The American Cancer Society:

- Raquel Arias, MPH, Associate Director, State Partnerships
- Rebecca Dabbs, MPH, Associate Director, Community
 Partnerships

CA HPV Vaccination Roundtable:

- Julie Dang, PhD, MPH, Executive Director, Office of Community Outreach and Engagement, UC Davis Comprehensive Cancer Center
- Susan Park, MD, MPH Assistant Clinical Professor, Division Gynecology Oncology, Harbor - UCLA Medical Center
- Mark H. Sawyer, MD, Professor of Clinical Pediatrics, Vice Chair for Education, Department of Pediatrics, UC San Diego and Rady Children's Hospital San Diego



Survey Questions

- 1. Is there a vaccine to protect against cervical cancer? **YES**
- 2. HPV vaccine is recommended starting at age 9. TRUE
- 3. HPV is the most common viral sexually transmitted infection in the United States. **TRUE**
- 4. HPV infection can cause cancer in the back of the throat, including the base of the tongue and tongue and tonsils (called oropharyngeal cancer). **TRUE**
- 5. Oral health professionals play a critical role in combating growing rates of HPV-associated oropharyngeal cancers? **TRUE**
- 6. Most HPV infections do not go away by themselves? **FALSE**
- 7. HPV infections are so common that nearly all men and women will get some type of HPV at some point in their lives. **TRUE**
- 8. It is necessary to discuss sexual history when talking about HPV vaccination. **FALSE**









Thank You

- Follow up materials and a link to the recording will be sent afterwards
- Please take a minute to complete the evaluation survey (poll & link in chat)
- Send questions or requests to: <u>oralhealthsupport@ucsf.edu</u>