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Getting Back on Track with Cancer Prevention and Adolescent Immunizations

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Children's Mercy Hospital

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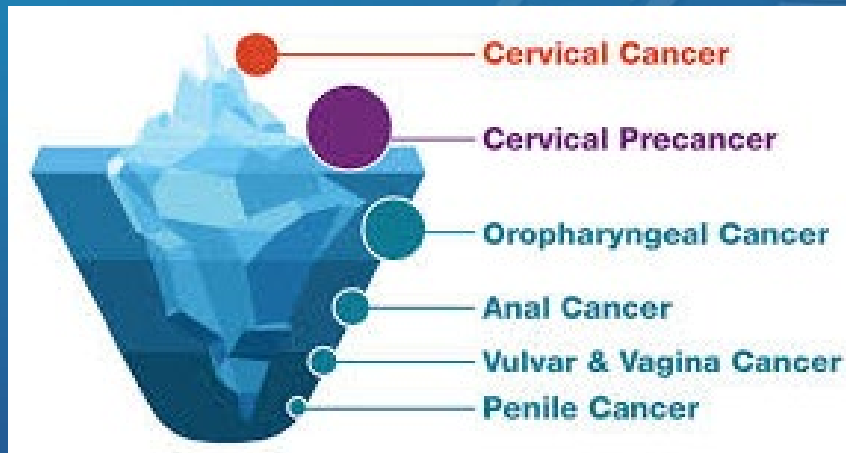
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Getting Back on Track with Cancer Prevention and Adolescent Immunizations



Sharon G. Humiston, MD, MPH, FAAP
Children's Mercy, Kansas City, MO

VISITING IMMUNIZATION EXPERT INITIATIVE

- The Visiting Immunization Expert Initiative through the national American Academy of Pediatrics provides support for immunization experts to virtually visit organizations to address pediatric influenza and Human Papillomavirus (HPV) in effort to help physicians and practice staff make strong recommendations for HPV and pediatric influenza vaccination.
- This presentation is supported by the Centers for Disease Control and Prevention (CDC) of the U.S. Department of Health and Human Services (HHS) through grant 5 NU38OT000282-03-00. The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement, by CDC/HHS, or the U.S. Government.



DISCLOSURES

Dr. Humiston's employer receives a grant from the Pediatric Infectious Disease Foundation, which is funded for the project through unrestricted educational grants from Sanofi Pasteur US, Merck & Co., Inc., Pfizer, Inc., GlaxoSmithKline, and Seqirus USA, Inc.

Dr. Humiston is a consultant to

- Sanofi Pasteur, a vaccine manufacturer that does not make an HPV vaccine
- Universities, including UCLA and University of Rochester
- Not-for-profit organizations, including AAP and its chapters, Immunization Action Coalition, and Immunize Kansas Coalition



BY THE END OF THE WEBINAR, YOU SHOULD BE ABLE TO DO THE FOLLOWING:

1. Explain why HPV vaccine is important enough to be routinely recommended for young people (i.e., **HPV cancer prevention**).
2. Give an HPV vaccination recommendation that is effective and succinct using the **same way, same day approach** to the introduction of HPV vaccine.
3. **Answer the most frequently asked questions** about HPV vaccine accurately and succinctly.



1: Why HPV vaccine is important enough to be routinely recommended for young people

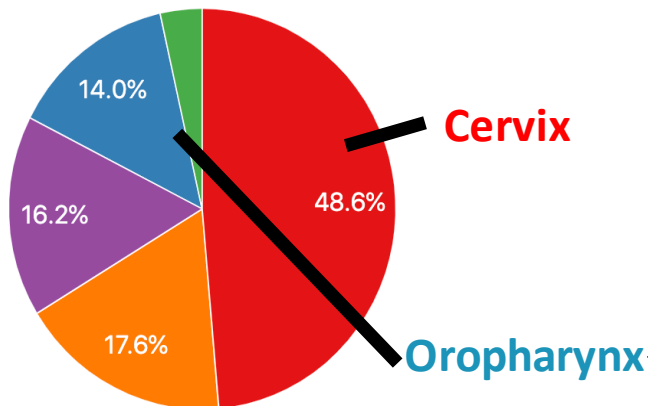
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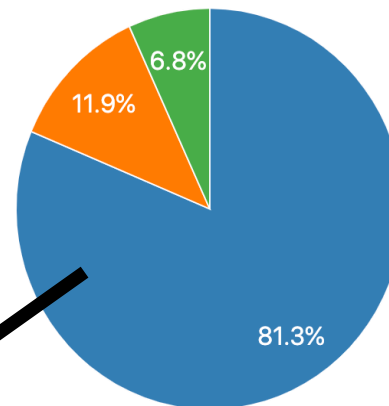
NEW HPV-ASSOCIATED CANCER CASES EACH YEAR BASED ON DATA FROM 2012-2016

Females (24,886)



■ Oropharynx ■ Anus* ■ Vagina ■ Vulva ■ Cervix

Males (19,113)



■ Oropharynx ■ Anus* ■ Penis



CANCERS CAUSED BY THE 9 VACCINE TYPES OF HPV PER YEAR, U.S., 2012–2016

Cancer site	% caused by 9 vaccine HPV types	# probably caused by 9 vaccine types-HPV		
		Female	Male	Both Sexes
Cervix	81% →	9,700	0	9,700
Vagina	73%	600	0	600
Vulva	63%	2,500	0	2,500
Penis	57%	0	700	700
Anus*	88%	4,100	1,900	6,000
Oropharynx	66%	2,100 →	10,500	12,600
TOTAL		19,000 ←	13,100 →	32,100 →

*Includes anal and rectal squamous cell carcinomas



OUR UNDERSTANDING OF HPV- ASSOCIATED CANCERS IS EVOLVING

Prostate cancer -causal role for HPVs is highly likely.

Source: Lawson and Glenn

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7359253/>

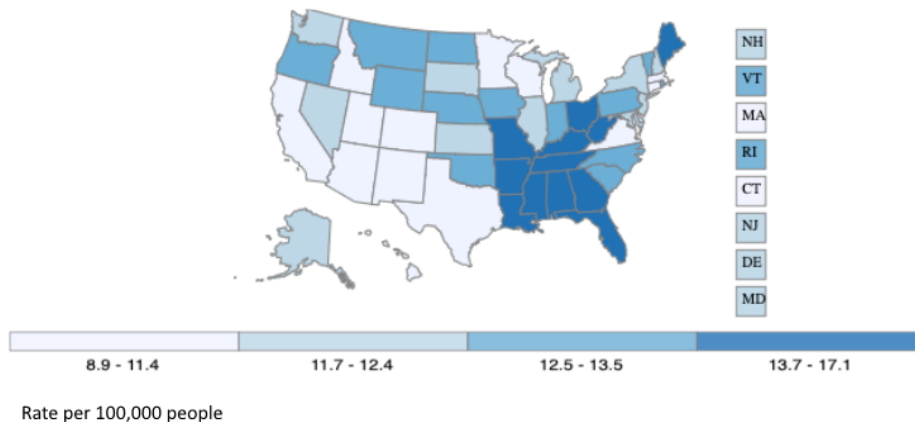
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All HPV-associated Cancers, Male and Female, United States, 2017

Rate of New HPV-associated Cancers by State



Data source – U.S. Cancer Statistics Working Group. U.S. Cancer Statistics Data Visualizations Tool, based on November 2019 submission data (1999-2017); U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; <https://www.cdc.gov/cancer/dataviz>, June 2020.

- **HPV-associated cancers** were defined as cancers at specific anatomic sites with specific cellular types in which HPV DNA frequently is found.
- All cancers were **confirmed histologically**.
- Rates are **per 100,000** and age-adjusted to the 2000 U.S. Standard Population



They should change the name! I thought "HPV" was an STD, not a virus that causes cancer.

CREATE IMMUNIZATION CHAMPIONS

Be sure everyone in the office understands the mission

ShotByShot.org
Stories of vaccine-preventable diseases

Home Story Gallery Share A Story Use A Story About Us Resources

Story Gallery

Cervical Cancer and HPV (human papillomavirus)

Browse Stories by:

Disease
All Diseases
Cervical Cancer and HPV
Chickenpox
Hepatitis B
Hib
Influenza
Japanese Encephalitis
Measles
Meningitis
Pertussis
Pneumococcal Disease
Polio
Rotavirus
Rubella
Shingles
Story Collections and PSAs

Age
Infant and Toddler
Early Childhood
Preteen and Teen
Young Adult
Adult

Spanish/Latino
Spanish/Latino

Written
Written

PSAs
PSAs

Carron's Story
 Laura and Audra's Story
 Tricia's Story
 Susie's Story
 Quita's Story
 Maggie's Story
 Joslyn's Story
 Lisa's Story
 HPV Stories
 Belinda's Story
 Dawn's Story
 Heather's Story

- Human stories usually influence people more than statistics
- To understand the human stories behind HPV, listen to survivors
 - Shot By Shot.org
 - ACS HPV survivor stories

OROPHARYNGEAL CANCER SURVIVOR



American Cancer Society
HPV Survivor – Frank Summers

<https://www.youtube.com/watch?v=D2Ki-gC7OhM>

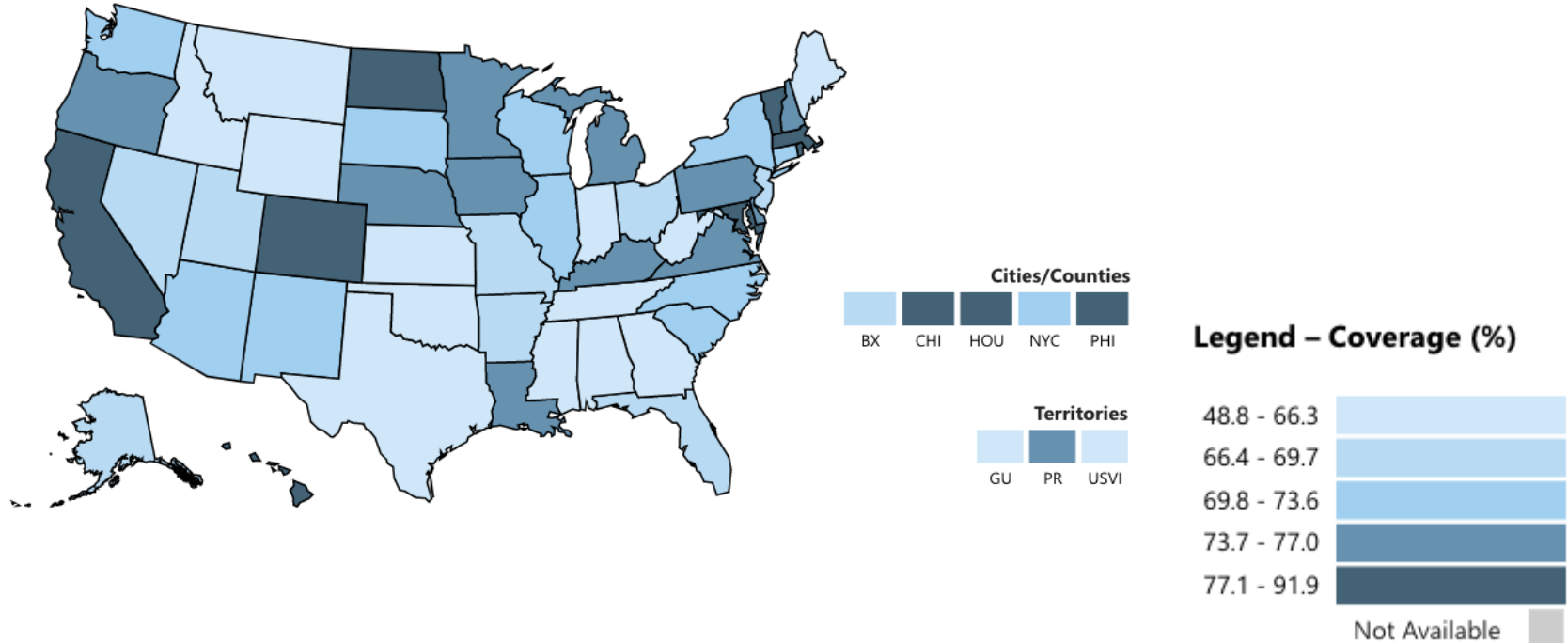
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**A VIRUS THAT CAUSES CANCER...
EFFECTIVE, SAFE, LONG-LASTING
VACCINE... SO EVERYONE'S KNOCKING
DOWN THE DOOR
TO GET THEIR CHILD PROTECTED,
RIGHT?**



≥1 Dose HPV Vaccination Coverage among Adolescents Age 13-17 Years, 2019, National Immunization Survey-Teen



Source:

<https://app.powerbigov.us/view?r=eyJrIjoibMDY2OWM2ZmEtYjE2Yy00MTM5LWl5ZGUtODU5MGE1NWxM2M4IiwidCI6IjJjZTcwODY5LTZlNDRmZC1hYmU4LWQyNyY3Mdc3ZmM4ZiJ9&pageName=ReportSection561f78b2709c4087d370>

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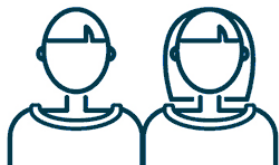
2: Identify patients for whom HPV vaccine is recommended

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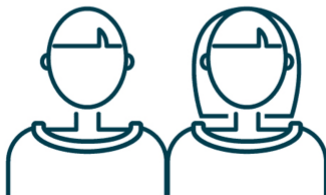
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Start Talking Early
Ages 9-10
2 doses



On Time
Ages 11-12
2 doses



ROUTINE ON-TIME VACCINATION

- Ages 9 through 14
- 2 doses (unless immunocompromised relative to HPV)
- Separated by 6-12 months (minimum 5 months)





Immunizations for Adolescents

Proportion of adolescents who received recommended vaccines by their 13th birthday

Meningococcal
vaccine

Tdap vaccine

HPV vaccine

Combination Rate

Meningococcal, Tdap, and HPV vaccines

Source: A Safe Return to In-Person Schooling: An Urgent Call to Action for Health Plans to Close the Adolescent Vaccination Care Gap webinar
www.ncqa.org/videos/a-safe-return-to-in-person-schooling-a-urgent-call-to-action-for-health-plans-to-close-the-adolescent-vaccination-care-gap/

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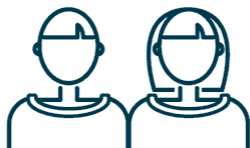
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Start Talking Early

Ages 9-10

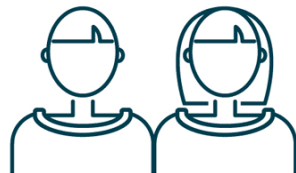
2 doses



On Time

Ages 11-12

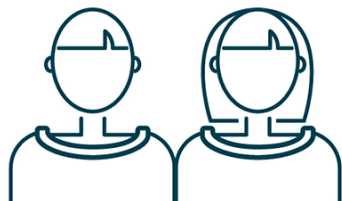
2 doses



Late

Ages 13-14

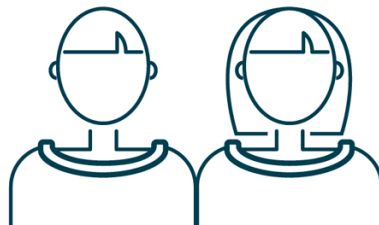
2 doses



Late

Ages 15-26

3 doses



HPV VACCINE RECOMMENDATIONS-ROUTINE

- **Routine On-time Vaccination**
 - Ages 9 through 14
 - 2 doses (unless immunocompromised relative to HPV)
 - Separated by 6-12 months (minimum 5 months)
- **Routine Delayed Vaccination**
 - Ages 15 through 26
 - 3 doses
 - Doses 1 & 2 separated by 1-2 months (min 4 wks)
Doses 1 & 3 separated by 6 months (min 5 mos)
Doses 2 & 3 separated by at least 12 weeks
 - If started at age 26, complete series when 27

If the series is interrupted, it does not need to be restarted.



HPV VACCINE RECOMMENDATIONS-SCDM

- **For adult ages 27-45 years** ACIP has voted to recommend “shared clinical decision making”
- **3 doses, same schedule as young adults**
- **Risks?** Very low
- **Benefit?**

Age at vaccination	Anogenital warts	Cervical intraepithelial neoplasia (CIN) grade 2+	Cancer
9-26 years of age	9	22	202
Include adults through age 45 years	120	800	6500

Source: <https://www.cdc.gov/vaccines/acip/recs/grade/HPV-adults-etr.html>



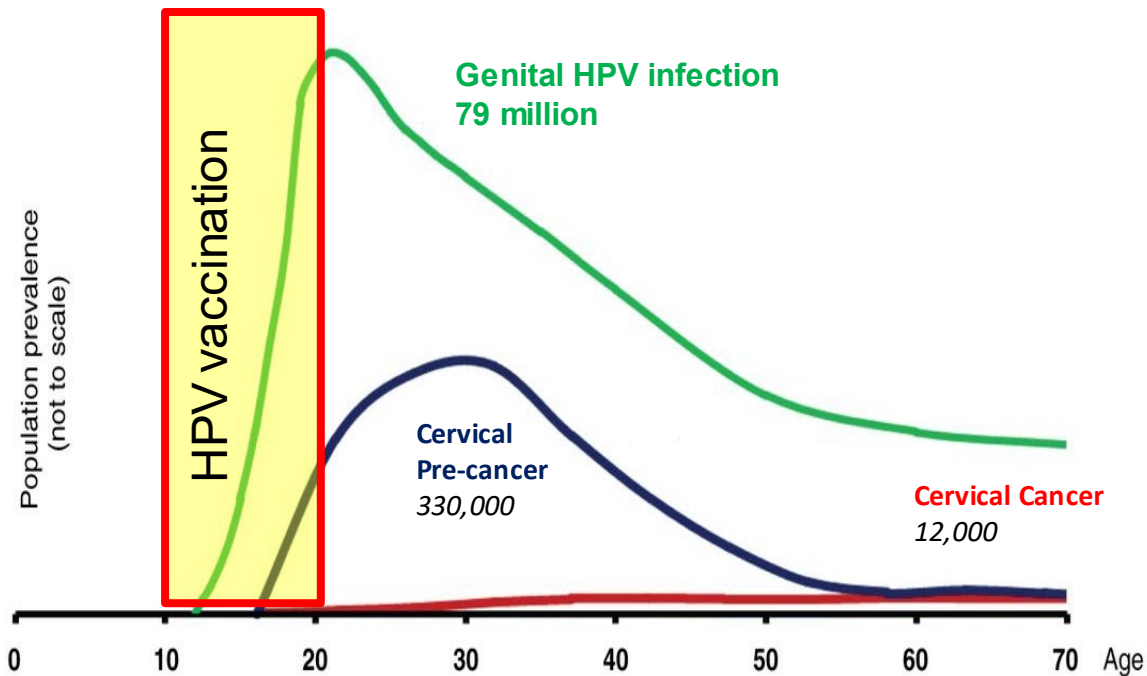
3: Explain why HPV vaccine is more likely to *protect* women from fertility issues than to cause them

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HPV VACCINATION ELIMINATES HPV INFECTION AND THE DOWNSTREAM CONSEQUENCES

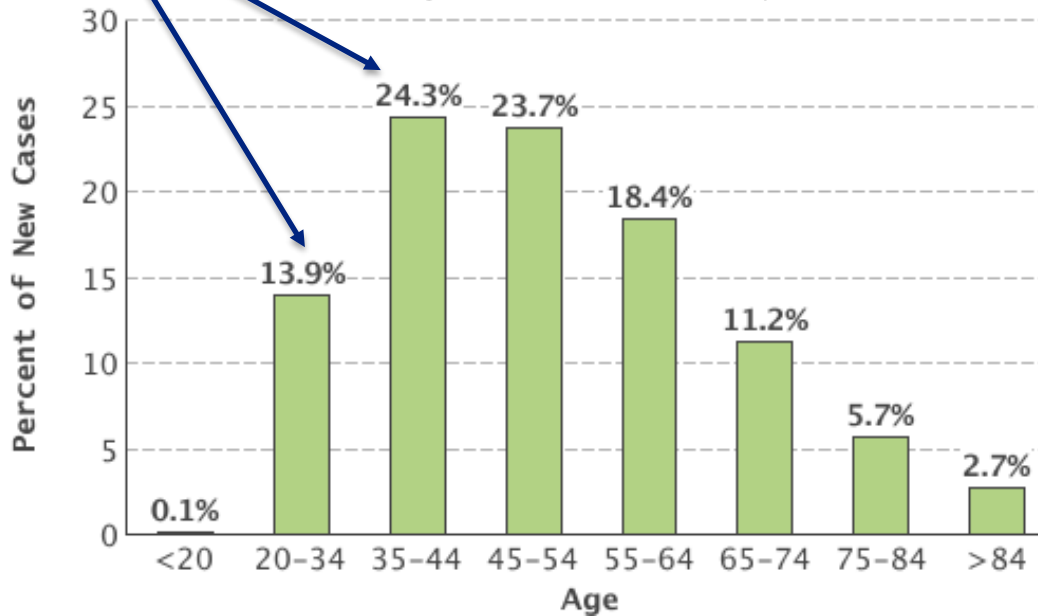


Source: Schiffman M et al., 2013

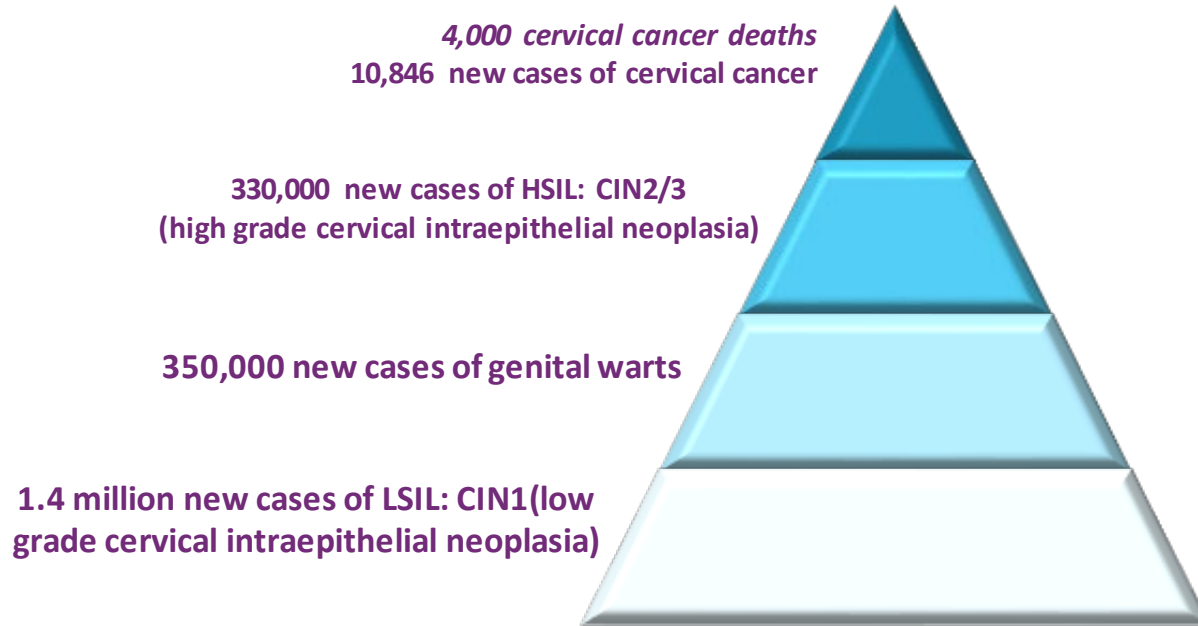


CERVICAL CANCER DURING CHILD-BEARING YEARS

38% of cervical cancers occur in women between the ages of 20 & 44 years.



WITHOUT VACCINATION, ANNUAL BURDEN OF GENITAL HPV-ASSOCIATED DISEASE IN U.S. FEMALES



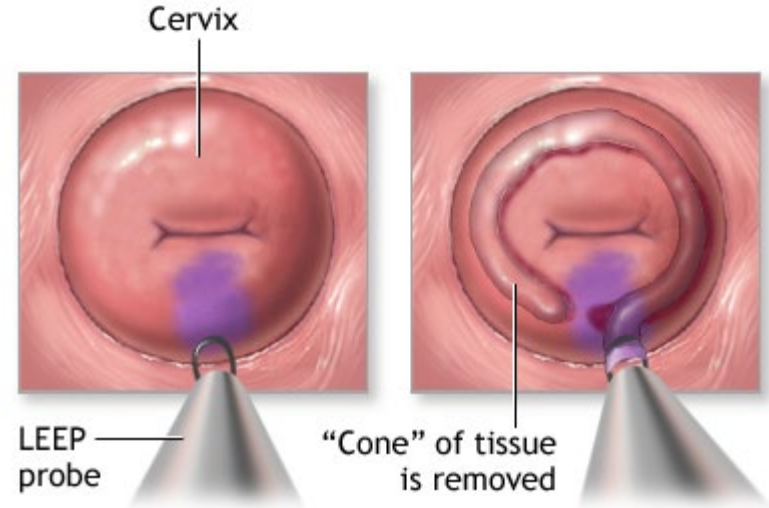
Source: American Cancer Society. 2008; Schiffman, Mark, and Philip E. Castle.; Koshiol *Sex Transm Dis.* 2004; Insinga, Ralph P., Erik J. Dasbach, and Elamin H. Elbasha, 2005



EVEN PRE-CANCEROUS LESIONS HAVE IMPLICATIONS FOR A WOMAN AND HER OFFSPRING

New cases of cervical dysplasia each year in the US:

- 1.4 million low grade
- 330,000 high grade



Source: <https://www.cancer.gov/types/cervical/understanding-abnormal-hpv-and-pap-test-results#treatment-for-high-grade-cervical-cell-changes>

<https://www.cdc.gov/hpv/partners/establishing-partners/prioritization.html>

Picture: https://medlineplus.gov/ency/presentations/100080_4.htm

ADAM.

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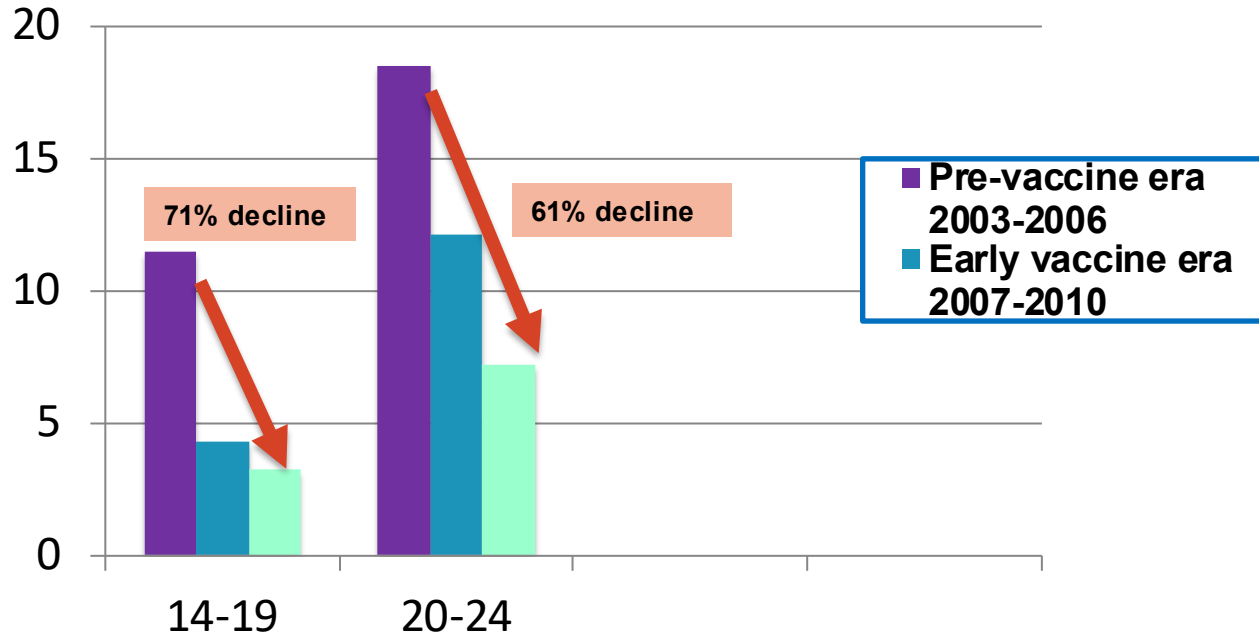


LEEP AND CONE BIOPSY

- May be used to treat moderate to severe types of abnormal cell changes (CIN II or CIN III) or even very early stage cervical cancer
- Subsequent pregnancies are at risk of
 - Perinatal mortality
 - Preterm delivery
 - Low birth weight



VACCINE TYPE-HPV INFECTIONS, US FEMALES



Study also found vaccine type-HPV decreased 89% for vaccinated girls and 34% for unvaccinated girls: **herd immunity**



COCHRANE REVIEW: HPV VACCINE EFFECTIVENESS AGAINST CERVICAL PRECANCER

- Among previously un-infected women -
of women who developed cervical precancer
 - Placebo: 164 per 10,000 women
 - HPV vaccine: 2 per 10,000 women who got the vaccine
- Regardless of infection status at outset -
HPV vaccines reduced the risk of cervical precancer
 - Associated with HPV16/18: from 341 to 157/10 K
 - Any precancer lesions: from 559 to 391/10 K



October 2020

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

HPV Vaccination and the Risk of Invasive Cervical Cancer

Jiyao Lei, Ph.D., Alexander Ploner, Ph.D., K. Miriam Elfström, Ph.D.,
Jiangrong Wang, Ph.D., Adam Roth, M.D., Ph.D., Fang Fang, M.D., Ph.D.,
Karin Sundström, M.D., Ph.D., Joakim Dillner, M.D., Ph.D.,
and Pär Sparén, Ph.D.



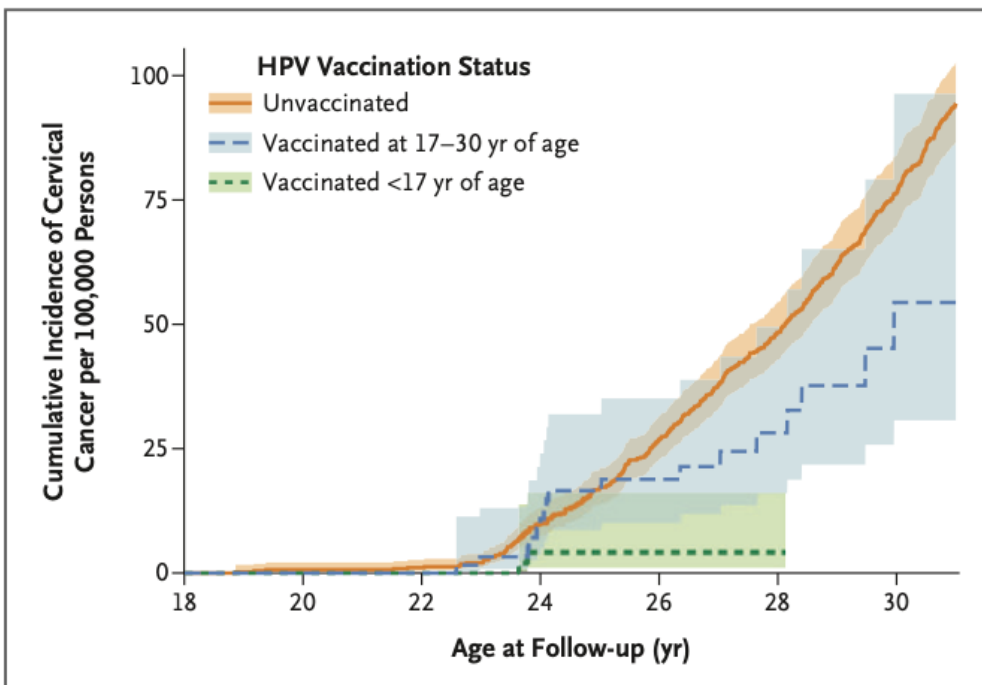


Figure 2. Cumulative Incidence of Invasive Cervical Cancer According to HPV Vaccination Status.

Age at follow-up is truncated in the graph because no cases of cervical cancer were observed in girls younger than 18 years of age.

“We found that the risk of cervical cancer among participants who had initiated vaccination before the age of 17 years was **88% lower** than among those who had never been vaccinated.”

4: Recommend this vaccine the same way you recommend other vaccines

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Source: <http://www.health.state.mn.us/divs/idepc/immunize/hcp/adol/hpvvideos.html>

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OPTIONAL VERSUS HIGH QUALITY

- **Optional approach:** *“Have you thought about what shots you’d like to get today?”*
 - *Unintentionally implies shot is not important or few get it*
 - *20-30% vaccination rate in studies of child & teen vaccines*

- **High quality:** *“Today we have some shots for you.”*
 - *Implies shot is important and most people get it*
 - *70-90% vaccination rate in studies of child & teen vaccines*

Sources: Brewer NT, Hall ME, Malo TL, Gilkey MB, Quinn B, Lathren C. Announcements vs conversations to improve HPV vaccination coverage: a randomized trial. *Pediatrics*. 2017;139(1):e20161764
Gilkey MB, Calo WA, Moss JL, Shah PD, Marciniak MW, Brewer NT. Provider communication and HPV vaccination: the impact of recommendation quality. *Vaccine*. 2016;34(9):1187-1192
Opel DJ, Heritage J, Taylor JA, et al. The architecture of provider-parent vaccine discussions at health supervision visits. *Pediatrics*. 2013;132(6):1037-1046



MAKE AN EFFECTIVE RECOMMENDATION

- **Same day:** Group all the adolescent vaccines, recommend HPV vaccination the same way you recommend Tdap & meningococcal vaccines
- **Same day:** Recommend HPV vaccine *today*, i.e., the **same day** you recommend Tdap & meningococcal vaccines
- Put **HPV in the middle** between Tdap & meningococcal vaccines



PUTTING HIGH QUALITY RECOMMENDATIONS INTO PRACTICE: SAME WAY, SAME DAY

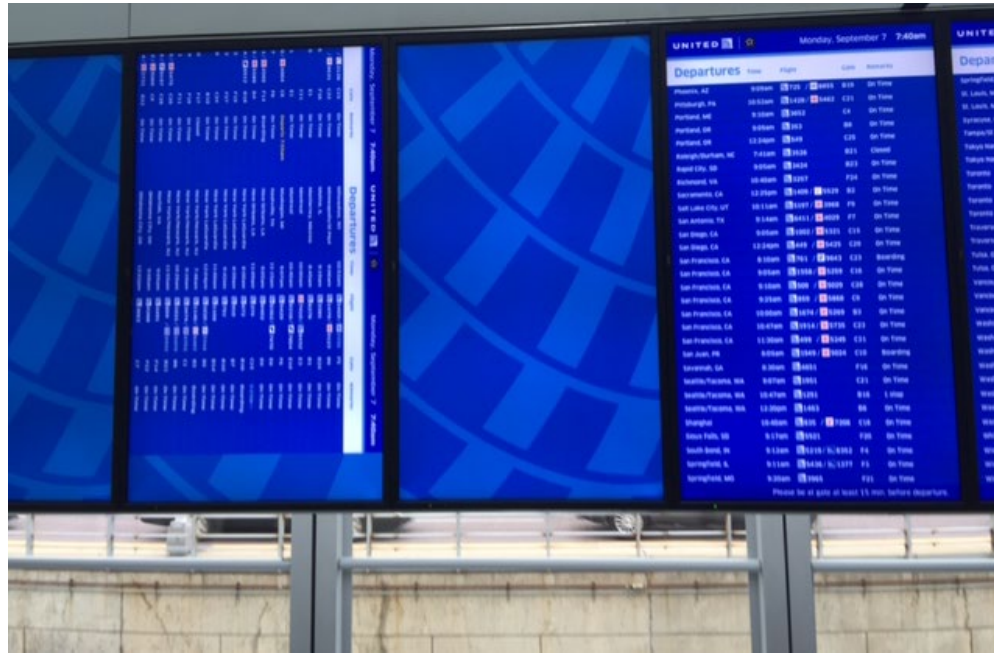
“Your child needs 3 vaccines today- Tdap, HPV and meningococcal”

If starting before age 11, you can say:

“Today, your child needs the HPV vaccine to protect him against cancers and other diseases caused by HPV.”



EVERY PART OF YOUR PRACTICE INFLUENCES PARENTS' PERCEPTIONS



THE OPENER BY THE NURSE/MA

- **Encourage convenient same-day vaccination**
“Today, Pat should have 3 vaccines to protect him from meningitis, HPV cancers, and pertussis. Do you have any questions for me?”
- **If a parents hesitates, the MA/nurse should say**
“I’m sure the doctor will want to talk with you about your concerns.”



5: Answering parents' questions

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Talking to Parents about HPV Vaccine



HPV VACCINE
IS CANCER PREVENTION

Recommend HPV vaccination in the **same way** and on the **same day** as all adolescent vaccines. You can say, "Now that your son is 11, he is due for vaccinations today to help protect him from meningitis, HPV cancers, and whooping cough. Do you have any questions?" Taking the time to listen and understand parents' concerns can help you respond to their concerns more effectively.

Why does my child need HPV vaccine?

HPV vaccine is important because it prevents infections that can cause cancer. That's why we need to start the shot series today.

Some HPV infections can cause cancer—like cancer of the cervix or in the back of the throat—but we can protect your child from these cancers in the future by getting the first HPV shot today.

What diseases are caused by HPV?

How do you know the vaccine works?

Studies continue to prove HPV vaccination works extremely well, decreasing the number of infections and HPV precancers in young people since it has been available.

HPV is a very common infection in women and men that can cause cancer. Starting the vaccine series today will help protect your child from the cancers and diseases caused by HPV.

Is my child really at risk for HPV?

Why do they need HPV vaccine at such a young age?

Vaccines protect your child before they are exposed to a disease. That's why we give the HPV vaccine earlier rather than later, to protect them long before they are ever exposed. Also, if your child gets the shot now, they will only need two doses. If you wait until your child is older, they may end up needing three shots.

Studies tell us that getting HPV vaccine doesn't make kids more likely to start having sex. I made sure my child (or grandchild, etc.) got HPV vaccine, and I recommend we give your child her first HPV shot today.

I'm worried my child will think that getting this vaccine makes it OK to have sex.

Why do boys need the HPV vaccine?

HPV vaccination can help prevent future infections that can lead to cancers of the penis, anus, and back of the throat in men.

Yes, HPV vaccination is very safe. Like any medication, vaccines can cause side effects, including pain, swelling, or redness where the shot was given. That's normal for HPV vaccine too and should go away in a day or two. Sometimes kids faint after they get shots and they could be injured if they fall from fainting. We'll have your child stay seated after the shot to help protect him/her.

I'm worried about the safety of HPV vaccine. Do you think it's safe?

Are all of these vaccines actually required?

I strongly recommend each of these vaccines and so do experts at the CDC and major medical organizations. School entry requirements are developed for public health and safety, but don't always reflect the most current medical recommendations for your child's health.

There is no evidence available to suggest that getting HPV vaccine will have an effect on future fertility. However, women who develop an HPV precancer or cancer could require treatment that would limit their ability to have children.

Can HPV vaccine cause infertility in my child?

For more information, visit cdc.gov/vaccines/conversations

PH00198
C0804038
Last updated: JULY 2019

Talking to Parents About Infant Vaccines



Parents consider you their most trusted source of information when it comes to vaccines. When talking to parents about vaccines, make a strong, effective recommendation and allow time for parents to ask questions. Hearing your answers to their questions can help parents feel more confident vaccinating their child according to CDC's recommended immunization schedule.

Are vaccines safe for my child?

Yes. Millions of children safely receive vaccines each year. The U.S. has a long-standing vaccine safety system that ensures vaccines are as safe as possible.

No. Many people want answers about the cause of autism—including me. But well-designed and conducted studies that I can share with you show that MMR vaccine is not a cause of autism.

Is there a link between vaccines and autism?

Can vaccines overload my baby's immune system?

No. Vaccines help babies fight infections by introducing a small number of antigens into their bodies. Antigens are parts of germs that cause illness. Immune systems go to work. Vaccines contain only a tiny fraction of the antigens that babies encounter in their environment every day.

We vaccinate children early because they are susceptible to disease at a young age. Young children also have the highest risks of complications that could lead to hospitalization or death.

Why do vaccines start so early?

Don't infants have natural immunity? Isn't natural immunity better than the kind from vaccines?

Babies may get some temporary immunity from mom during pregnancy, but these antibodies do not last long, leaving your baby vulnerable to disease if you don't vaccinate him/her.

There is no data to support that spacing out vaccines offers safe or effective protection from these diseases. Any time you delay a vaccine, you leave your baby vulnerable to disease. It's really best to stay on schedule.

What do you think of delaying some vaccines or following a non-standard schedule?

Do I have to vaccinate my baby on schedule if I'm breastfeeding him?

Yes. Breast milk provides important protection from some infections as your baby's immune system is developing, but breast milk does not protect children against all diseases.

Getting every dose of each vaccine provides your child with the best protection. Depending on the vaccine, he/she may need more than one dose to build high enough immunity to prevent disease or to boost immunity that fades over time.

Why are so many doses needed for each vaccine?

My child is sick, right now. Is it okay for her to still get shots?

Tell me what's going on. Usually, children can get vaccinated even if they have a mild illness like a cold, earache, mild fever, or diarrhea.

Most vaccine side effects are very minor, like soreness where the shot was given, fussiness, or a low-grade fever. These typically only last a couple of days and are treatable. Serious reactions are very rare. If your child experiences any reactions that concern you, call us.

What are the side effects of the vaccines?

For more information, visit cdc.gov/vaccines/conversations

Last updated: JULY 2019



TIP #1: REFLECT, ASK PERMISSION

Reflect back what the parent said to be sure he/she understands (empathy) and asks permission to share their own perspective.

“You feel that she’s too young for the HPV vaccine because HPV is transmitted by sexual activity. I can see what you’re saying. I’ve thought a lot about this. Is it okay if I tell you how I’ve come to think about this?”



TIP #2: PROVIDE INFO TO CHANGE PARENT'S PERSPECTIVE

“I used to think of this vaccine as something to prevent a sexually transmitted disease, but realized it's really about preventing cancer.”

“We recommend it at this age because younger kids have a better immune response. That's why they need only 2 doses instead of 3.”

This avoids arguing. You haven't contradicted the parent's point.



TIP #3: AVOID COUNTERING EMOTION WITH DATA

What NOT to say: *“Well data shows that many adolescents will be having sex by middle school, and if you’re worried about her having sex, studies have shown that it won’t increase the likelihood of her having sex.”*

Statistics do not work in an emotional argument.



TIP #4:

IF A PARENT DECLINES THE HPV VACCINE

- **Declination is not final**
 - Many parents who decline, will vaccinate later
 - The conversation should be revisited
- Offer reading material
- Don't over-remember this
- Relax. You've done your best for this child.
- Waiting to vaccinate is the risky choice, so some pediatricians ask parent to sign a *Declination Form*



HOW DO YOU HANDLE OBJECTIONS BASED ON RELIGION?



EXAMPLE OF EFFECTIVE PROVIDER COMMUNICATION

Minnesota Department of Health's
"HPV vaccine: It's effective"

https://www.youtube.com/watch?time_continue=2&v=huyn7M8Vmql&feature=emb_title

Source:
<http://www.health.state.mn.us/divs/idepc/immunize/hcp/adol/hpvvideos.html>

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GREAT JOB!

- He seized the moment
- He did not “profile”
- He bundled the recommendation
- He asked for mom’s question
- He answered mom’s question accurately and calmly
- When mom asked the 2nd question: “some people...”, he stayed positive
- He cared (“I’d feel better”)



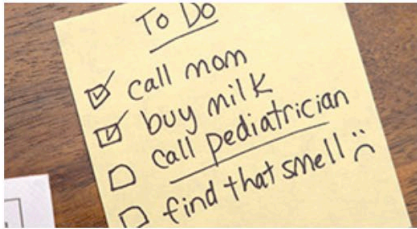
6: Bring adolescents back to your office

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#CALLYOURPEDIATRICIAN CAMPAIGN



The "COVID-19 To-Dos" Campaign

Select Platform ▼ Select Theme ▼

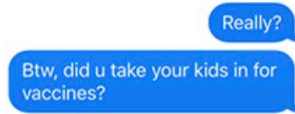
Download



The "20 Minutes" Campaign

Select Platform ▼ Select Theme ▼

Download



last week. both at the same time. super quick.

The "Moms Text" Campaign

Select Format ▼

Download



The Doctor is In!

Select Platform ▼

Download



Preparing for a Televisit

Select Platform ▼

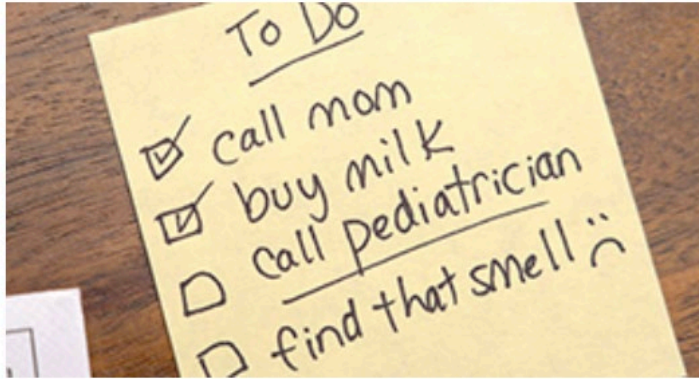
Download



HealthyChildren.org

Ask the Pediatrician: Is it OK to see my pediatrician during COVID-19?

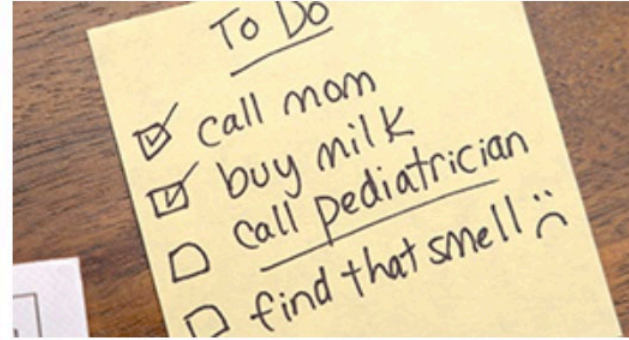




The "COVID-19 To-Dos" Campaign

Select Platform Select Theme ▼

- Facebook
- Instagram
- Twitter
- Pinterest
- Linkedin



The "COVID-19 To-Dos" Campaign

Select Platform ▼ Select Theme

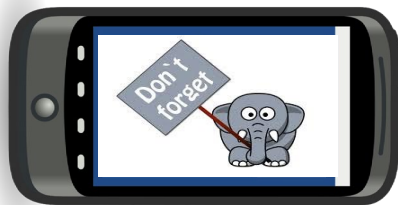
- Cut hair
- Drum set
- Find smell
- Do math
- Meditation
- Play-doh
- Plumber
- Puzzle
- Tap shoes
- Zoom

The doc
Pediatricians are tak
it's as safe as pos
Separate "Sick"
and "Well"
times and areas
visits
ossible



WHEN YOU HAVE OFFICE SYSTEMS GOING WELL, ADD REMINDERS OR RECALL MESSAGES

- Use reminder or recall messages to bring adolescents in for well care or missed vaccines
- EHR and state Immunization Information Systems (IIS) can support this
- Many media: phone calls, letters, postcards, e-mail, text messages, or patient portals, automated calling services



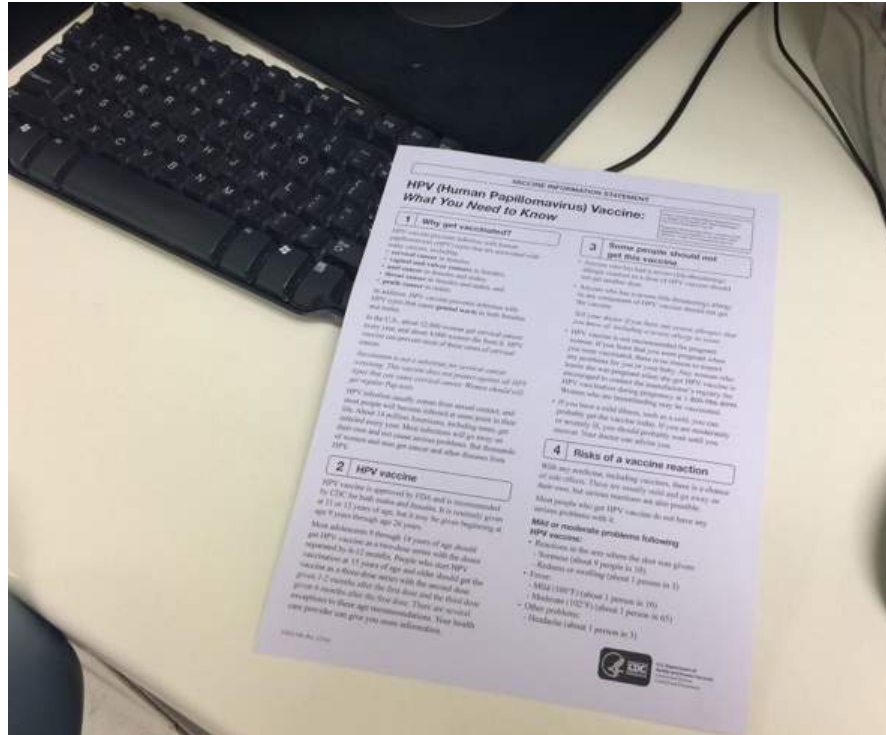
DON'T MISS ANY OPPORTUNITIES

- Nurse or technician prompts
- EHR prompts



EHR prompts alone may not work.

ANOTHER PAPER PROMPT



PAPER REMINDER/HUDDLE TOOL

Reason for visit:									
Acute: _____									
WCC	ADHD	Asthma	Other _____						
Screening: Hearing Vision									
Labs:	Hct	Lead	Other _____						
Vaccines due:									
<10 years:	2mo	4mo	6mo	12mo	15mo	4 yr.	Flu	Other _____	
≥10 years:	Tdap	HPV	Menactra	Varicella		Flu	Other _____		



**IF YOU CAN'T GIVE IT,
SCHEDULE IT**



American Academy of Pediatrics

DEDICATED TO THE HEALTH OF ALL CHILDREN®

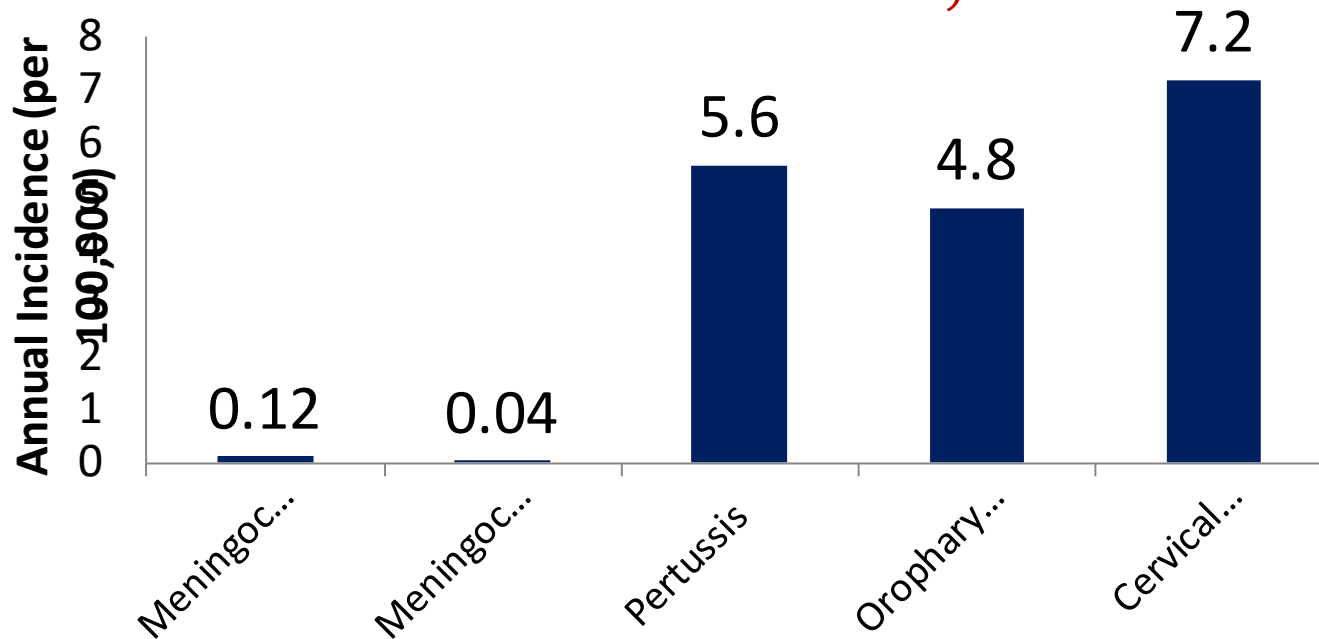


Wrap up

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INCIDENCE OF DISEASES PREVENTABLE BY 3 ADOLESCENT VACCINES, US



Sources: Meningococcal Disease, CDC, 2016, <https://www.cdc.gov/meningococcal/downloads/NCIRD-EMS-Report.pdf>; Pertussis, CDC, 2016, <https://www.cdc.gov/pertussis/downloads/per-tuss-surv-report-2016.pdf>; HPV, CDC, 2011-2015, <https://www.cdc.gov/cancer/hpv/pdf/USCS-DataBrief-No4-August2018-508.pdf>; www.cdc.gov/mmwr/volumes/67/wr/mm6733a2.htm#T1 down





AAP's EQIPP: IMMUNIZATIONS – STRATEGIES FOR SUCCESS

[HTTPS://SHOP.AAP.ORG/EQIPP-IMMUNIZATIONS-STRATEGIES-FOR-SUCCESS/](https://shop.aap.org/eqipp-immunizations-strategies-for-success/)

- Free to AAP members
- Identify immunization rates in your practice, uncover barriers to immunization delivery systems, and provide techniques to overcome those barriers through clear aims that reflect expert principles and proven quality improvement methods and tools
- Choice of tracks
 - 19-23 months old
 - adolescent

Credit Information

<i>AMA PRA Category 1 Credit™</i>	
Enduring Materials	6.00
PI CME	40.00
AAP Credit Only	
AAP Credit	48.00
NAPNAP	
NAPNAP Credit Contact Hours	48.00
MOC	
MOC Part 2 	6.00
MOC Part 4 	50.00



WRAP UP

Patients for whom HPV vaccination is recommended

HPV vaccination supports healthy pregnancy

The presumptive recommendation for HPV vaccination works

Plan to bring adolescents to your office for vaccination

Evaluate how results of HPV vaccination

QI projects

could be applied in your office





Questions?