

## Appendix I. CHICOS Intervention/Website Screenshots

APPENDIX I: CHICOS INTERVENTION/WEBSITE SCREENSHOTS



# Home Page – Tailored Intervention

The screenshot shows the CHICOS Home Page. At the top left is the CHICOS logo with the tagline "Combating HPV Infection & Cancer". A navigation bar contains buttons for Home (selected), Introduction, My Concerns, Other Concerns, and More On HPV. In the top right corner, there is a checkmark icon and a padlock icon. The main content area features a "Welcome to CHICOS!" message, a paragraph explaining the program's purpose, and a personalized message for a user named Kadence. Below this is a "Tap to read more" button and two expandable sections: "Did you know?" and "What's holding you back?". To the right, there are two interactive elements: "Disease Photos" (represented by a stack of photos) and "My Story" (represented by a photo of a man and a woman). At the bottom center, there is a copyright notice: "©2014 The Regents of the University of Michigan". A green arrow icon is visible in the bottom right corner of the page frame.

**CHICOS**  
Combating HPV Infection & Cancer

● Home  
○ Introduction ○ My Concerns  
○ Other Concerns ○ More On HPV

Welcome to CHICOS!

This program is designed to **help parents like you** learn about the HPV (Human Papillomavirus) vaccine.

Based on your survey answers, it looks like Kadence may not be up to date on her HPV vaccine. You can check with her doctor if you are unsure.

Tap to read more

+ Did you know?

+ What's holding you back?

We can help answer your questions and put your fears to rest. **Tap on the Introduction button to get started.** We're glad you're here!

Disease Photos

My Story

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## Home Page – Tailored Intervention

The screenshot shows the CHICOS Home Page. At the top left is the CHICOS logo with the tagline "Combating HPV Infection & Cancer". To the right of the logo is a navigation menu with four items: "Home" (selected with a purple dot), "Introduction", "My Concerns", and "More On HPV". Below the navigation menu is a "Welcome to CHICOS!" section. It contains a paragraph explaining the program's purpose: "This program is designed to help parents like you learn about the HPV (Human Papillomavirus) vaccine." followed by another paragraph: "Based on your survey answers, it looks like Kadence may not be up to date on her HPV vaccine. You can check with her doctor if you are unsure." Below this text are two expandable sections. The first is "Did you know?" (expanded) and the second is "What's holding you back?" (expanded). The "What's holding you back?" section contains a paragraph: "It sounds like there might be something holding you back from getting Kadence vaccinated. Do you have unanswered questions or concerns? That's where we come in. Are any of these on your mind?" followed by a bulleted list of four questions: "Could Kadence get infected with HPV?", "Are there side effects with the HPV vaccine?", "Should I wait since the HPV vaccine is so new?", and "Is the vaccine safe?". Below the list is a paragraph: "We can help answer your questions and put your fears to rest. Tap on the Introduction button to get started. We're glad you're here!". On the right side of the page, there are two interactive elements: "Disease Photos" (represented by a stack of colorful photos) and "My Story" (represented by a photo of a woman and a man).

**CHICOS**  
Combating HPV Infection & Cancer

- Home
- Introduction
- My Concerns
- Other Concerns
- More On HPV

### Welcome to CHICOS!

This program is designed to **help parents like you** learn about the HPV (Human Papillomavirus) vaccine.

Based on your survey answers, it looks like Kadence may not be up to date on her HPV vaccine. You can check with her doctor if you are unsure.

**+ Did you know?**

**- What's holding you back?**

It sounds like there might be something holding you back from getting Kadence vaccinated. Do you have unanswered questions or concerns? That's where we come in. Are any of these on your mind?

- Could Kadence get infected with HPV?
- Are there side effects with the HPV vaccine?
- Should I wait since the HPV vaccine is so new?
- Is the vaccine safe?

We can help answer your questions and put your fears to rest. **Tap on the Introduction button to get started.** We're glad you're here!

**Disease Photos**

**My Story**

## Introduction to HPV – Tailored Intervention

The screenshot shows a mobile application interface with a purple and green header. The logo 'CHICOS' is prominent, with the tagline 'Combating HPV Infection & Cancer'. A navigation bar includes 'Home', 'Introduction' (highlighted), 'My Concerns', 'Other Concerns', and 'More On HPV'. The main content area is titled 'HPV and the HPV Vaccine' and includes a paragraph about Kadence's health, a bulleted list of conditions, and expandable sections for 'Info on HPV' and 'Info on HPV Vaccine'. On the right, there are interactive icons for 'Disease Photos' and 'My Story'.

**CHICOS**  
Combating HPV Infection & Cancer

Home Introduction My Concerns Other Concerns More On HPV

### HPV and the HPV Vaccine

You clearly take Kadence's health seriously. The **HPV vaccine will help protect her** against:

- HPV
- Genital warts
- Abnormal pap tests
- Cervical cancer
- Other kinds of cancer, like cancer of the anus, vagina, vulva (area around the vagina) and possibly cancers of the throat

#### Info on HPV

Tap to read more

- + What is HPV?
- + How do people get HPV?
- + Do a lot of people get HPV?
- + Does HPV have symptoms?
- + Is there a cure for HPV?

#### Info on HPV Vaccine

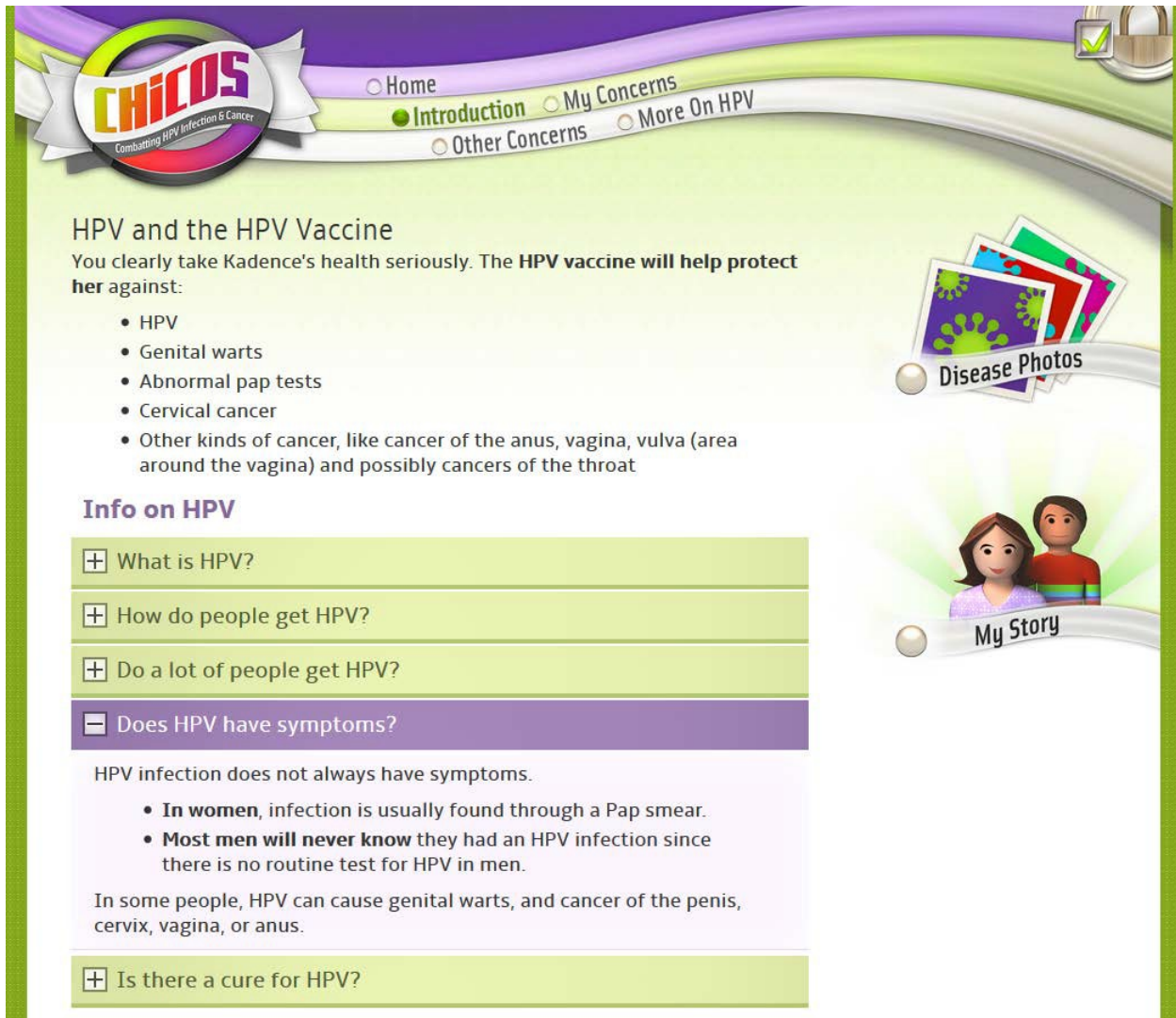
- + What does the vaccine do?
- + Does the vaccine work?

Disease Photos

My Story



## Introduction to HPV – Tailored Intervention



**CHICOS**  
Combating HPV Infection & Cancer

Home Introduction My Concerns Other Concerns More On HPV

### HPV and the HPV Vaccine

You clearly take Kadence's health seriously. The **HPV vaccine will help protect her** against:

- HPV
- Genital warts
- Abnormal pap tests
- Cervical cancer
- Other kinds of cancer, like cancer of the anus, vagina, vulva (area around the vagina) and possibly cancers of the throat

#### Info on HPV

- + What is HPV?
- + How do people get HPV?
- + Do a lot of people get HPV?
- Does HPV have symptoms?

HPV infection does not always have symptoms.

- **In women**, infection is usually found through a Pap smear.
- **Most men will never know** they had an HPV infection since there is no routine test for HPV in men.

In some people, HPV can cause genital warts, and cancer of the penis, cervix, vagina, or anus.

- + Is there a cure for HPV?

Disease Photos

My Story

## Specific Concerns – Tailored Intervention

Tap to go to another page

Home Introduction **My Concerns** More On HPV

**CHiLOS**  
Combating HPV Infection & Cancer

### Your Questions About the HPV Vaccine

In your survey, you had some general questions about the HPV vaccine. We've listed each of those questions below. Tap a concern to read more.

What are the side effects of the vaccine?

Since 2006, more than 76 million doses of the vaccine have been given to girls and boys around the world.

It's safety has been studied very closely in the US and many other countries. HPV vaccines have a safety record that is equal to or better than the other vaccines given to children and adolescents.

Known side effects of HPV vaccines

Side effects that are NOT related to the vaccine

How safe are HPV vaccines?

Is it worth waiting to see if the vaccine is ok?

Will the vaccine cause reproductive problems?

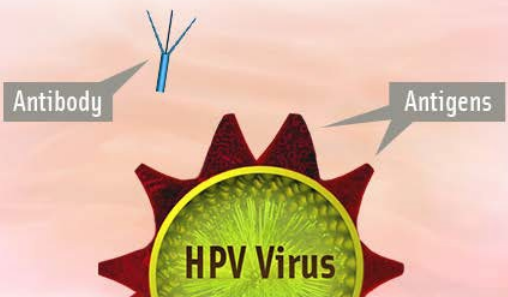
Will HPV cause problems with the immune system?

Disease Photos

My Story

## How The HPV Vaccine Works

Germs like the **HPV virus** are covered with proteins called **antigens**. Your body recognizes antigens, and uses something called **antibodies** to attack them to protect you from getting sick.

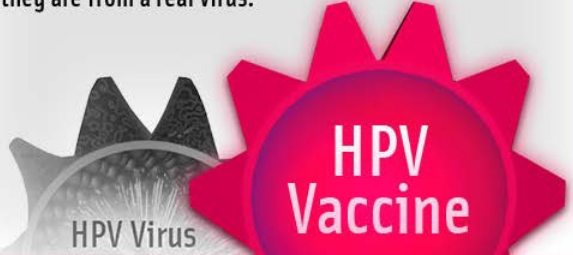


Antibody

Antigens

HPV Virus


The **HPV vaccine** contains **lab-created antigens** that act just like the ones from a real human papillomavirus, except that they are not the virus, so cannot cause infection. Even though the antigens in the vaccine aren't real, your antibodies think they are from a real virus.



HPV Virus


HPV Vaccine

Your antibodies attack the man-made antigen in the vaccine, and then "remember" how to fight them off...



HPV Vaccine

...if the real virus enters your body later.





**CHICOS**  
Combating HPV Infection & Cancer

Home Introduction My Concerns Other Concerns More On HPV

## Questions about the HPV Vaccine

It's not uncommon to have questions about the HPV vaccine. We've listed some common questions below. Tap a concern to read more.

- + Is my child too young for the vaccine?
- + How effective is the vaccine?
- Will the vaccine make my child think it is ok to have sex?
- + Should I talk to other people before making my decision?
- + How important is getting all three doses of the HPV vaccine?

Are you concerned that getting Kadence vaccinated might make her think it's ok to have sex?

By the time they are teens, most children know how their parents feel about pre-marital sex. Some parents are able to talk openly about their views on this issue. But, even if you haven't talked about it with your child directly, she probably knows your views from hearing you talk about it with others.

It's unlikely that the HPV vaccine will change a child's behavior. Parents teach their children values over many years. Getting the HPV vaccine is extremely unlikely to undo this.

Research has shown that a parent's influence matters more than almost anything else. Parents like you have said that talking openly with their kids is the best way to influence behavior, and some say they even use the vaccine as a starting point for a conversation with their children about sex.

Disease Photos

My Story

## Additional Information – Tailored Intervention

CHICOS  
Combating HPV Infection & Cancer

Tap to go to another page

- Home
- Introduction
- My Concerns
- Other Concerns
- More On HPV

### More on HPV

- How many people have gotten the HPV vaccine?
- How does the HPV vaccine work?
- How long does the vaccine last?
- Do women still need Pap smears after getting the vaccine?

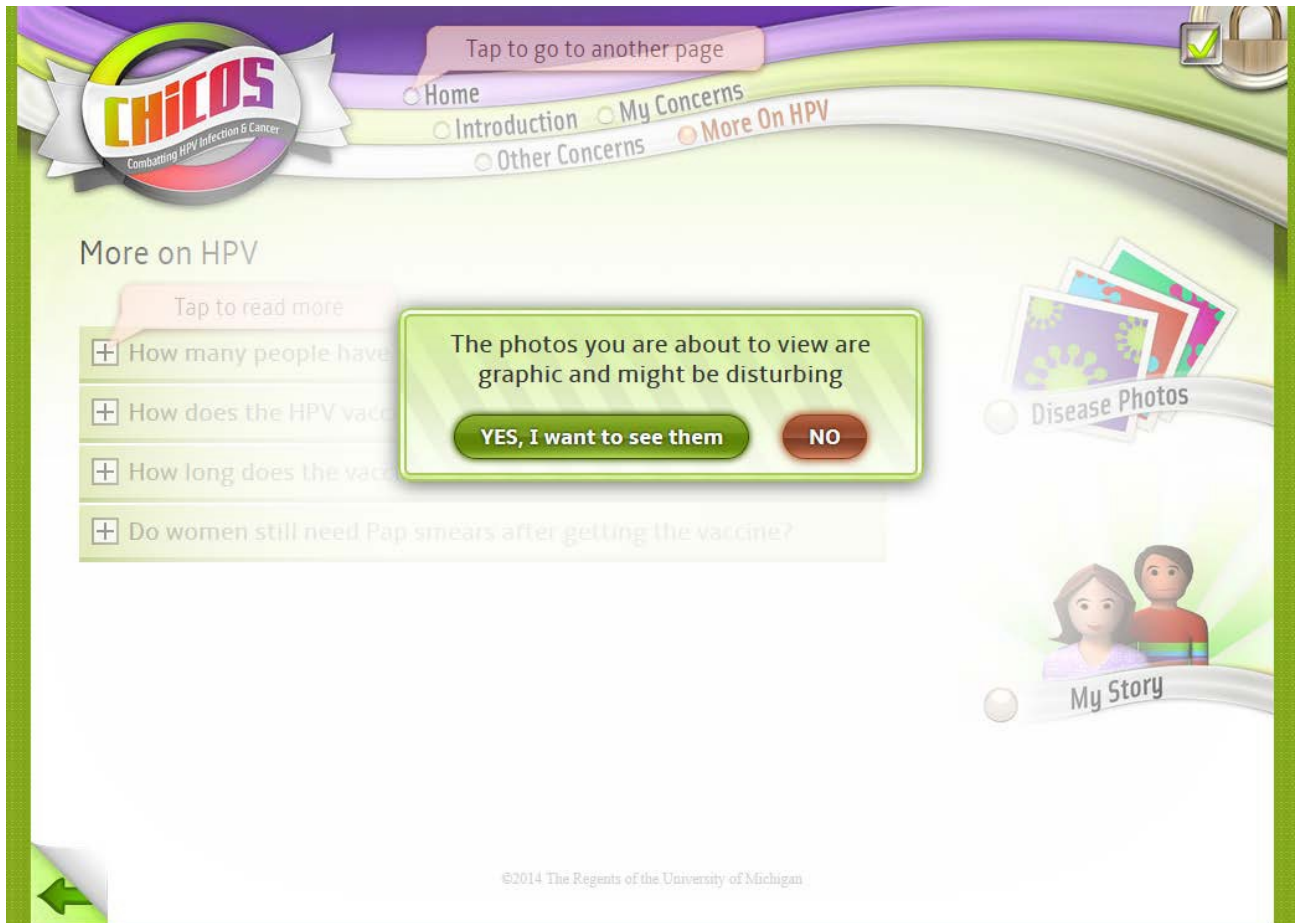
**Yes!** The vaccine does not protect against every type of HPV. Also, someone who got the vaccine **after becoming sexually active** may have already been exposed to HPV **before getting** the vaccine.

Disease Photos

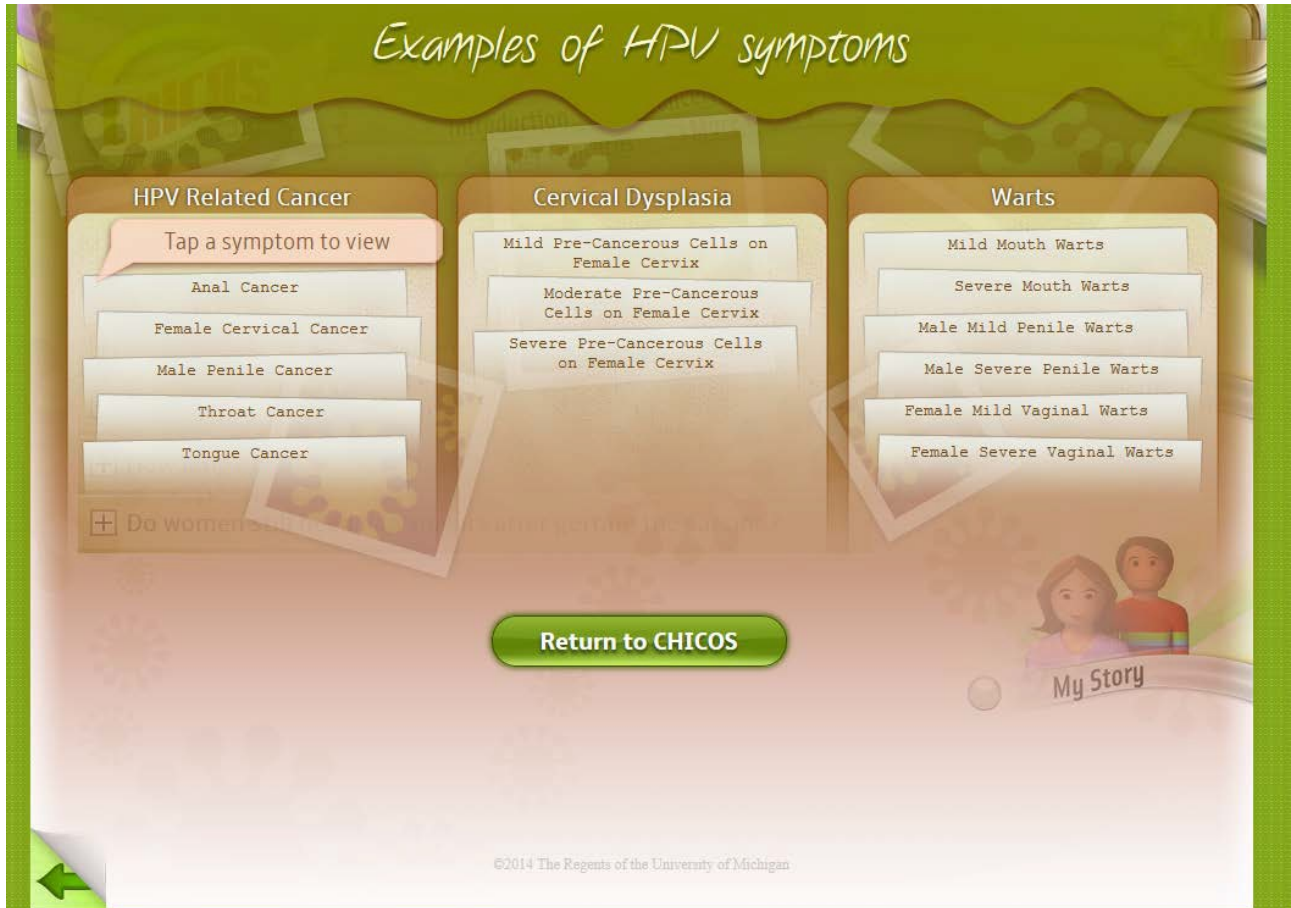
My Story

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# Graphic Photos – Tailored Intervention

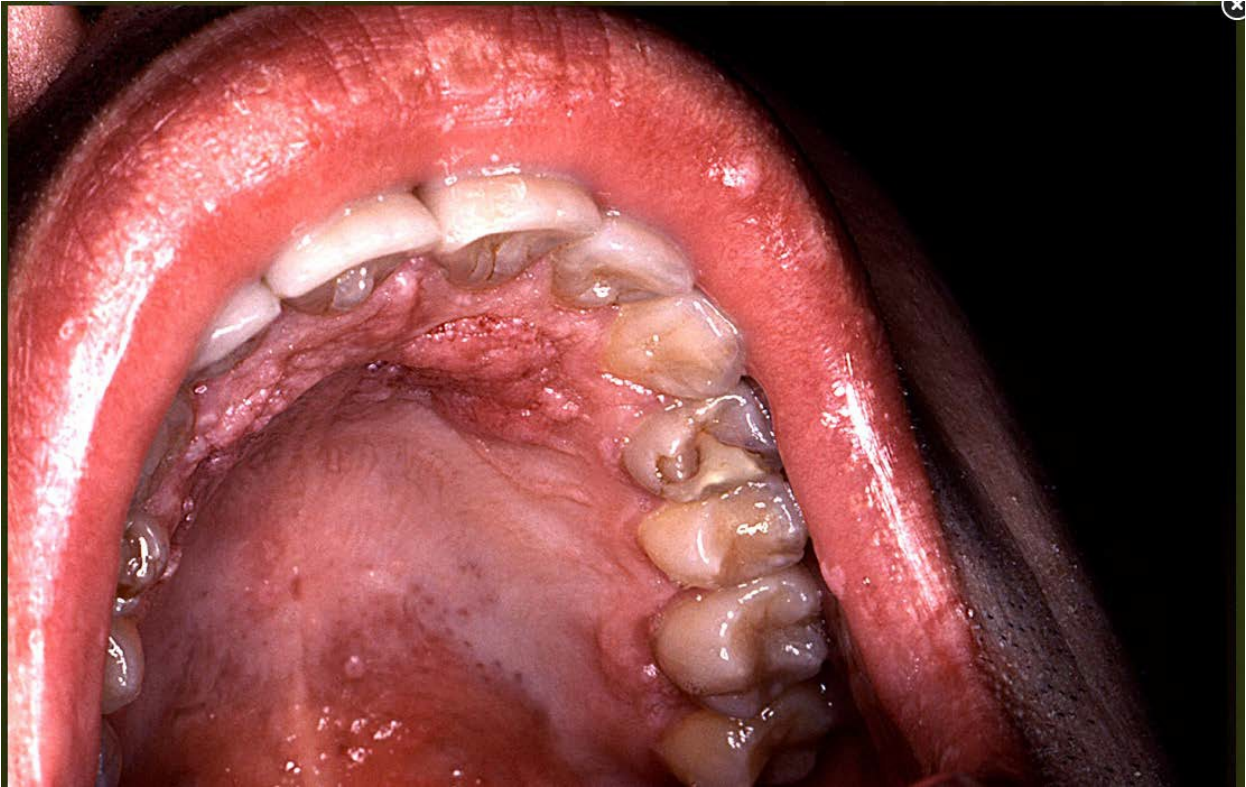


# Graphic Photos – Tailored Intervention





Graphic Photos – Tailored Intervention





## Personalized Vignette – Tailored Intervention



### *A Parent's Story*

Like every parent, I worry about making the right choices for my daughter, Jenny. It feels like every day, there's a new issue to tackle or choice to make. It was like that five years ago when Jenny's doctor recommended she get the HPV vaccine. I wasn't really sure what to do. It didn't seem like Jenny really needed the vaccine – she was only 13. I thought it might make her more likely to have sex and I was scared that the vaccine was so new, maybe it wasn't as safe as people said – so Jenny didn't get it.

I have never regretted a decision more.

When she turned 18, Jenny said she was ready for her first Pap test. I remember that she was nervous and I just kept telling her that everything would be fine. It wasn't. The test showed "abnormal cells" on Jenny's cervix.

They ran the test again, with an HPV screen this time, and the results were the same. Jenny had HPV. Even worse, it was one of the kinds that can cause cancer. The doctor said often the body may fight the virus on its own, so Jenny needed Pap tests every six months to keep an eye on things.

My world turned upside down. I couldn't even process the HPV part. I was mostly shocked that Jenny was sexually active. I always thought she would wait until she got married. But, I shouldn't have been surprised – she and her boyfriend had been together for several years and were really serious about each other. I knew I had to get over my disappointment quickly – Jenny needed me. She was so afraid that she had cancer. She kept asking me "Mom, what if I have cancer?" I told her that I loved her and we would face whatever happened together.

I took her back for a check up six months later. The doctor told us that Jenny's test was still abnormal. I could hardly breathe. The news got worse – Jenny would need a minor surgery, called a LEEP procedure, to cut out the cells. On top of that, she would need Pap tests every three months to make sure the cells didn't come back.

The day of the surgery, Jenny's eyes were wide with tears shining just in the corners. She held my hand, just like when she was little, as we walked into the clinic. During the procedure, the doctor numbed her cervix and used a tool to scrape away the cells. After it was over, I could see that Jenny was in pain, but trying to be strong.

Jenny recovered over the next few days – she was uncomfortable and scared. A few days after the surgery, the doctor said it looked like they got all the abnormal cells. But, Jenny will need yearly Pap tests for the rest of her life – to make sure the abnormal cells haven't come back. Every year, Jenny will have to go to that appointment, afraid that this time she'll have cancer.

Every day I wish that I had gotten Jenny vaccinated. Even if Jenny had waited to have sex until she got married, she could have gotten HPV from her husband. I can't believe I left her unprotected against this virus.

[Return to CHICOS](#)

## Decision Aid – Tailored Intervention



### Making Decisions About HPV Vaccines

This worksheet is being provided by your doctor's office for young adults (up to age 26) or parents of adolescents (9-18) who have not yet gotten vaccinated against human papillomavirus (also known as HPV).

HPV occurs in 80% of adults, but generally causes no health problems. However, in some people **HPV causes cancers of the cervix, vagina, penis, and anus and also causes genital warts** (a non-cancerous condition). In fact, the only way you can get cervical cancer and genital warts is from an HPV infection.

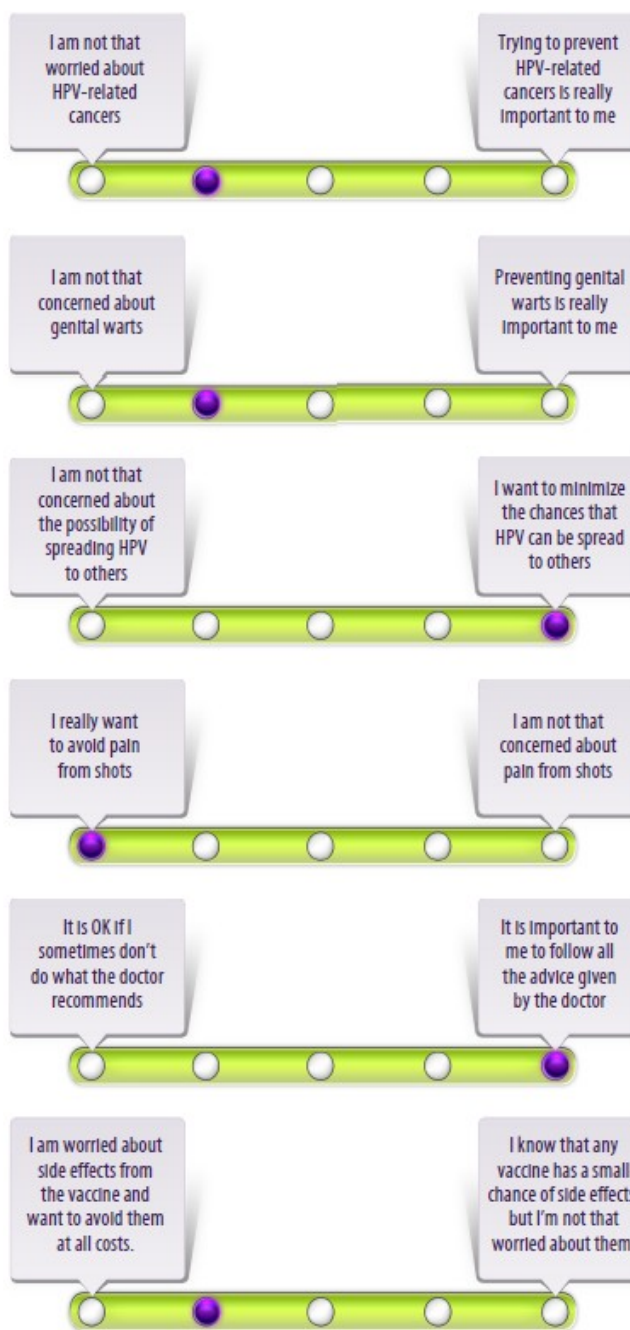
**Getting vaccinated against HPV can decrease the chance of getting these diseases.** The HPV vaccine is given as a series of 3 shots, ideally over a 6-12 month period. Many people have questions about the HPV vaccine even after talking to their doctor. Follow the three areas in this worksheet to weigh up the pros and cons of HPV vaccination for you or your family.

References: Gardasil product insert | Brotherton, JML, Gold, MS, Kemp, AS et al. CMAJ 2008;179(6):525-533 | Vaccine Information Sheet, HPV. Centers for Disease Control and Prevention | <http://www.cdc.gov/cancer/hpv/statistics/cases.htm> | <http://www.cancer.org/cancer/cancerbasics/lifetime-probability-of-developing-or-dying-from-cancer> | Klein, NP, Hansen, J, Chao, C, Velicer, C, Emery, M et al. JAMA Pediatrics 2012;166(12):1140-8.

Funding Source: This tool was developed with support from the Patient Centered Outcomes Research Institute. Makers of HPV vaccines played no role in its development.

### 1 What Matters Most To You

The scales below show how you ranked each item, based on your answers from the iPad program you did in clinic recently.



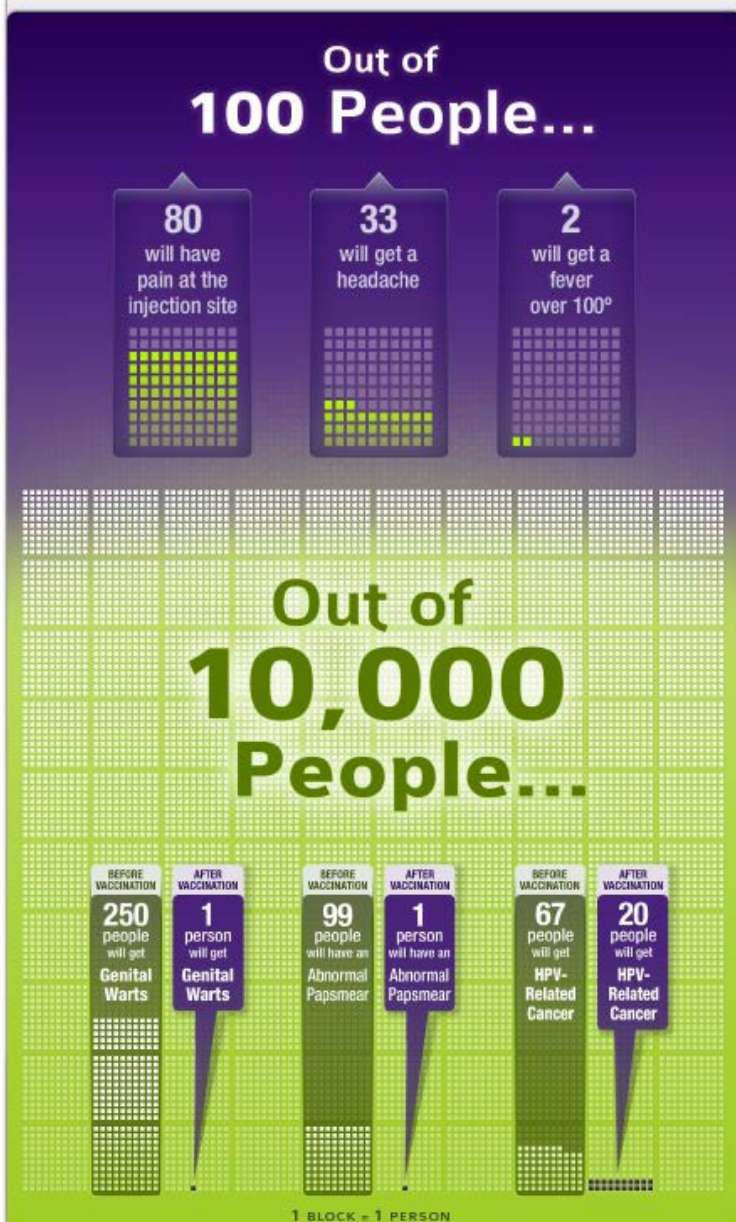


## Decision Aid – Tailored Intervention

### 2

#### Pros & Cons

Compare the pros and cons of getting vaccinated or not getting vaccinated. The graphs below show the chances of various events occurring over a person's lifetime.



For more information about HPV infection and HPV vaccines please visit the following websites:

Centers for Disease Control and Prevention: <http://www.cdc.gov/hpv/vaccine.html>  
 WebMD: <http://children.webmd.com/vaccines/hpv-vaccine-what-you-need-know>  
 American Cancer Society: <http://www.cancer.org> (search for HPV)

### 3

#### Next Steps

Look back over what you said were your health values, and the pros and cons of vaccinating versus not vaccinating. Weigh all the information together and decide on what is best for you or your family. Circle the choice below that is most in line with your decision. Then look at the action below your choice to see some next steps to take.

I have decided I want the vaccine and I'm ready to take action.

Call your doctor's office to make an appointment to get the vaccine.

I have decided I will get the vaccine, just not right now.

Pick a date on your calendar when you will go through things again and decide if it is time to get the vaccine.

I want to talk to others first before making a decision.

Make an appointment with your provider to talk about the vaccine. If you want to talk to your family about this, put this conversation on your "to do" list.

I want to get more information first before making a decision.

See the websites on this page for reliable information about the vaccine, or make an appointment to talk about the vaccine with your medical provider.

I have decided I don't want the vaccine.

Think about reconsidering your decision in a year or two. The vaccine can be given up to age 26.

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