

# HPV Vaccine Update Decade in Review

Satellite Conference and Live Webcast  
Friday, April 6, 2018  
10:00 – 11:00 a.m. Central Time

Produced by the Alabama Department of Public Health  
Video Communications and Distance Learning Division

## Faculty

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## Disclosure

## HPV Infection... Are You 1 of the 80 MILLION?

- Most people will be infected with at least one type of mucosal HPV at some point in their lives
  - MOST COMMON STI
  - At least 70% sexually active people have/had
  - HPV infection is most common in people in their teens and early 20s
- Most people will never know that they have been infected

Jemal A et al. J Natl Cancer Inst 2013;105:175-201

## Alabama teens ARE active!

- Montgomery County was #1 in 2013
- Birmingham/ Hoover, #3 in 2015



CDC Surveillance, Youth Risk Behavior Survey, 2013, 2015, 2017

## Abstinence Only Curricula


- Many states have mandatory (and graphic) "sex ed" in 8-9th grade
- Many Alabama schools still teach only abstinence



### 2015 Youth Risk Behavior Survey US Dept. of HHS/CDC

	≥4 partners (%)			Used condom at last sex %	Currently sexually active	Rank (Highest risk state for STI's)
	F	M	Total			
US	8.8	14.1	11.5	56.9	30.1	
AL	11.7	19.5	15.4	50.9	34.9	1
MS	12.0	19.4	15.5	55.8	33.8	2

US Department of Health and Human Services/Centers for Disease Control and Prevention MMWR / June 10, 2016 / Vol. 65; 122-125



 American College Health Association advocacy+education+research  
American College Health Association National College Health Assessment (ACHA-NCHA-II)  
**Institutional Data Report - Spring 2016**  
American College Health Association  
 1382 Mellon Road, Suite 180  
 Hanover, MD 21076  
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[www.acha.org](http://www.acha.org)

University of Alabama Birmingham  
 January 2, 2017  
 FREQUENCY REPORT  
 Number of Surveys (n) = 598

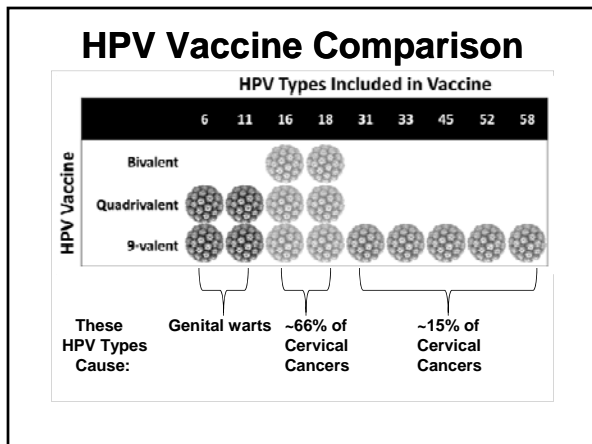
	Male %	Female %
<b>Sex in past 12 months</b>	<b>94</b>	<b>71</b>
<b>Sex in last 30 days</b>	<b>44</b>	<b>45</b>
<b>1 partner</b>	<b>36</b>	<b>43</b>
<b>&gt; 8 partners</b>	<b>5</b>	<b>0</b>
<b>Frequency of condom use as NEVER</b>	<b>52</b>	<b>49</b>

## HPV IS AN STI

- INTIMATE CONTACT





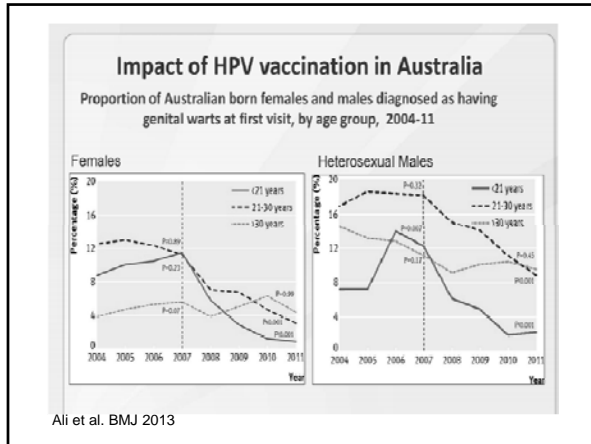
## Evidence-Based HPV Disease Prevention HPV Vaccine



## Vaccine Safety

- Millions of doses of HPV vaccine given worldwide
- Post-licensure monitoring
  - Vaccine Adverse Event Reporting System
  - Vaccine Safety Datalink Studies
  - Pregnancy registries
- Only serious AES are syncope and anaphylaxis (3 per million doses)
- HPV9 slightly higher injection site reaction than HPV4

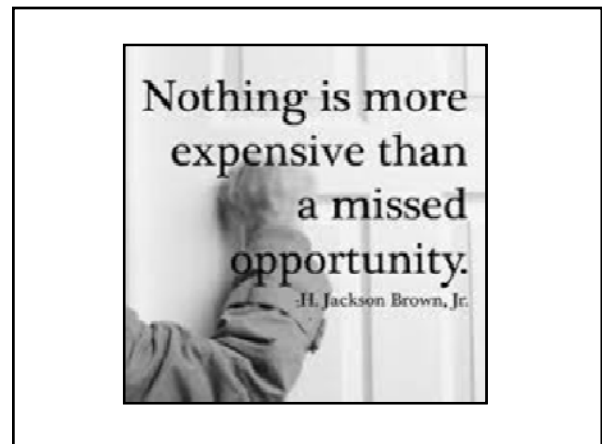
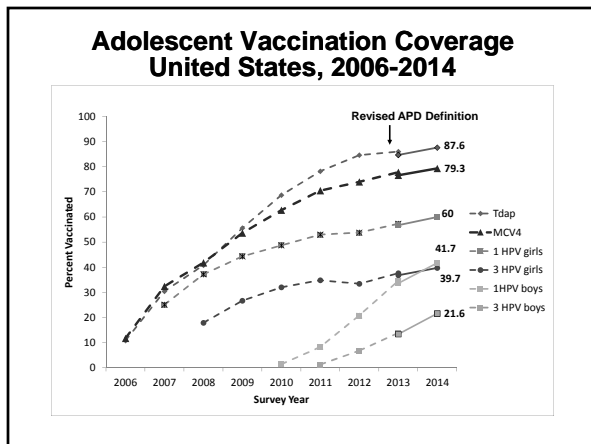
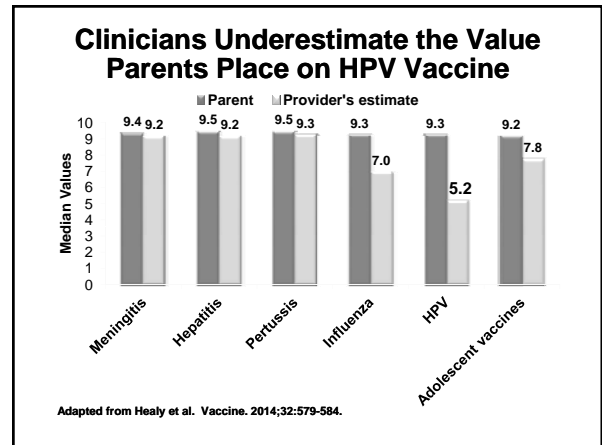





### American Cancer Society Recommendations for the Early Detection of Cancer in Average-risk Asymptomatic People\*

Cancer Site	Population	Test or Procedure	Recommendation
Breast	Women, ages 40-54	Mammography	Women should undergo regular screening mammography starting at age 45. Women ages 45 to 54 should be screened annually. Women should have the opportunity to begin annual screening between the ages of 40 and 44.
	Women, ages 55+		Transition to biennial screening, or have the opportunity to continue annual screening. Continue screening as long as overall health is good and life expectancy is 10+ years.
Cervix	Women, ages 21-29	Pap test	Screening should be done every 3 years with conventional or liquid-based Pap tests.
	Women, ages 30-45	Pap test & HPV DNA test	Screening should be done every 5 years with both the HPV test and the Pap test (preferred), or every 3 years with the Pap test alone (acceptable).
	Women, ages 65+	Pap test & HPV DNA test	Women ages 65+ who have had 3 consecutive negative Pap tests or 2 consecutive negative HPV and Pap tests within the past 10 years, with the most recent test occurring in the past 5 years, should stop cervical cancer screening.
	Women who have had a total hysterectomy		Stop cervical cancer screening.

ADPH Cancer Facts and Figures, 2015






### Clinicians can give a strong and effective HPV vaccine recommendation by announcing:



Sophia is due for three vaccines today. These will help protect her from meningitis, HPV cancers, and pertussis. We'll give those shots at the end of the visit.



### “Why does my child need this vaccine”

- HPV vaccine is very important because it prevents cancer.
- “We can protect your son from cancer and I'd feel better if he got his first dose of the HPV vaccine series today”.


### “...that’s sexually transmitted, she’s only 11!”

- Immunization before exposure is the best way to protect.
- Immunization does not send teens a message that sex is encouraged.






### “I heard it has bad side effects,”

- HPV vaccine side effects are mild, primarily pain or redness in the arm. This should go away quickly.
- HPV vaccine has not been linked with any serious or long-term side effects.




### Primary Ovarian Failure? Sterility?





### Give a Strong Recommendation to Receive HPV Vaccine at Ages 11 or 12



- A strong recommendation from you is the main reason parents decide to vaccinate.
- Many parents in focus groups stated they trust their child’s provider and would vaccinate their child if the provider recommended doing so.

MMWR 2014; 63(29):625-633;

“Would you give it to your child,”

- Yes, I gave it to my child (or grandchild, etc.) because I think preventing cancer is very important.



Help Prevent HPV Cancers Today! An ACHIA HPV Vaccine CQI Collaborative  
March - August 2016

ACHIA

**Background**  
Recent evidence that HPV is a common cancer-causing virus...  
**Project Goals**  
Increase primary care physicians' ability to...  
**Project Status**  
- Increase HPV vaccine awareness...  
**Project Goals**  
- Increase HPV vaccine awareness...  
**Measures**  
- Increase HPV vaccine awareness...  
**Figure 1: Rate of HPV Vaccine Recommendation**  
**Figure 2: Rate of HPV Vaccine Recommendation**  
**Figure 3: Rate of HPV Vaccine Recommendation**  
**Figure 4: Rate of HPV Vaccine Recommendation**



HPV Vaccine is Cancer Prevention

And YOU Are The Key!

#WeCanStopHPV