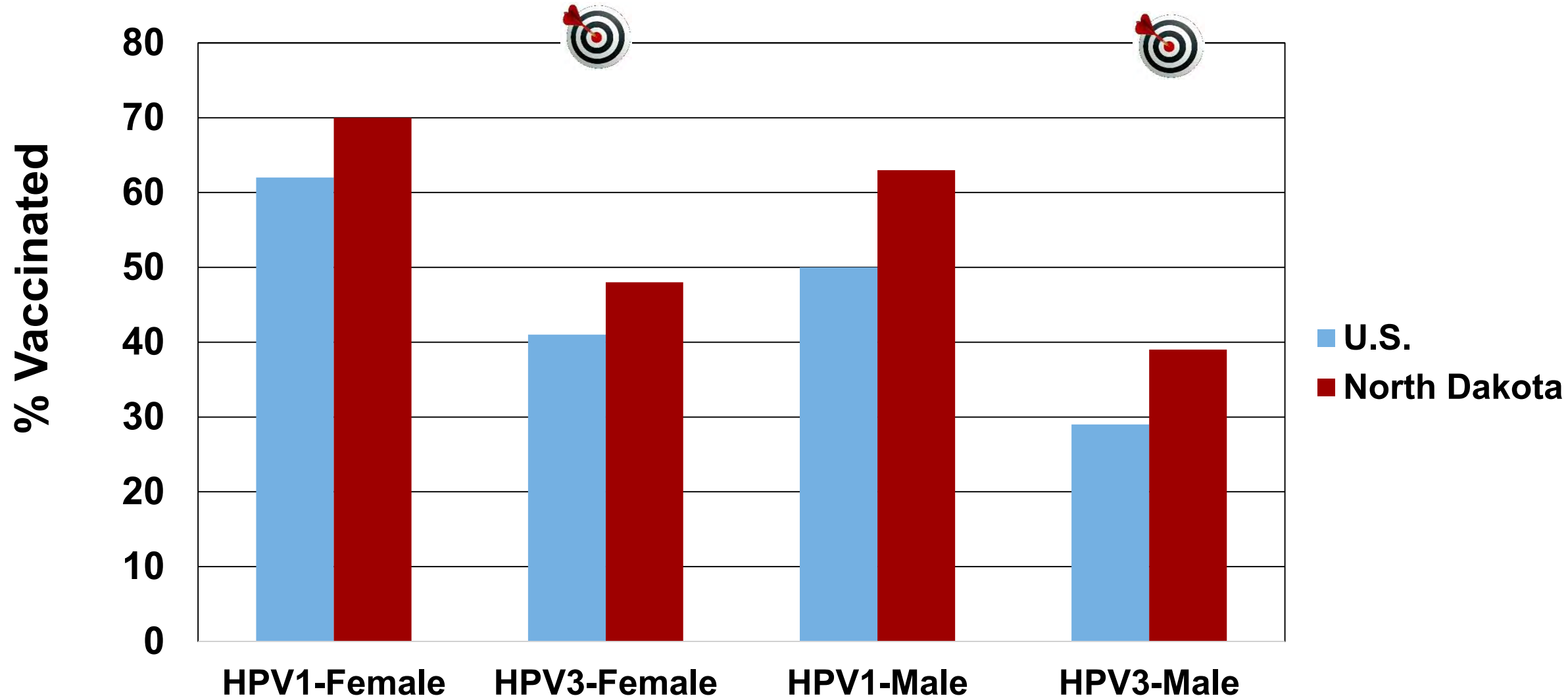


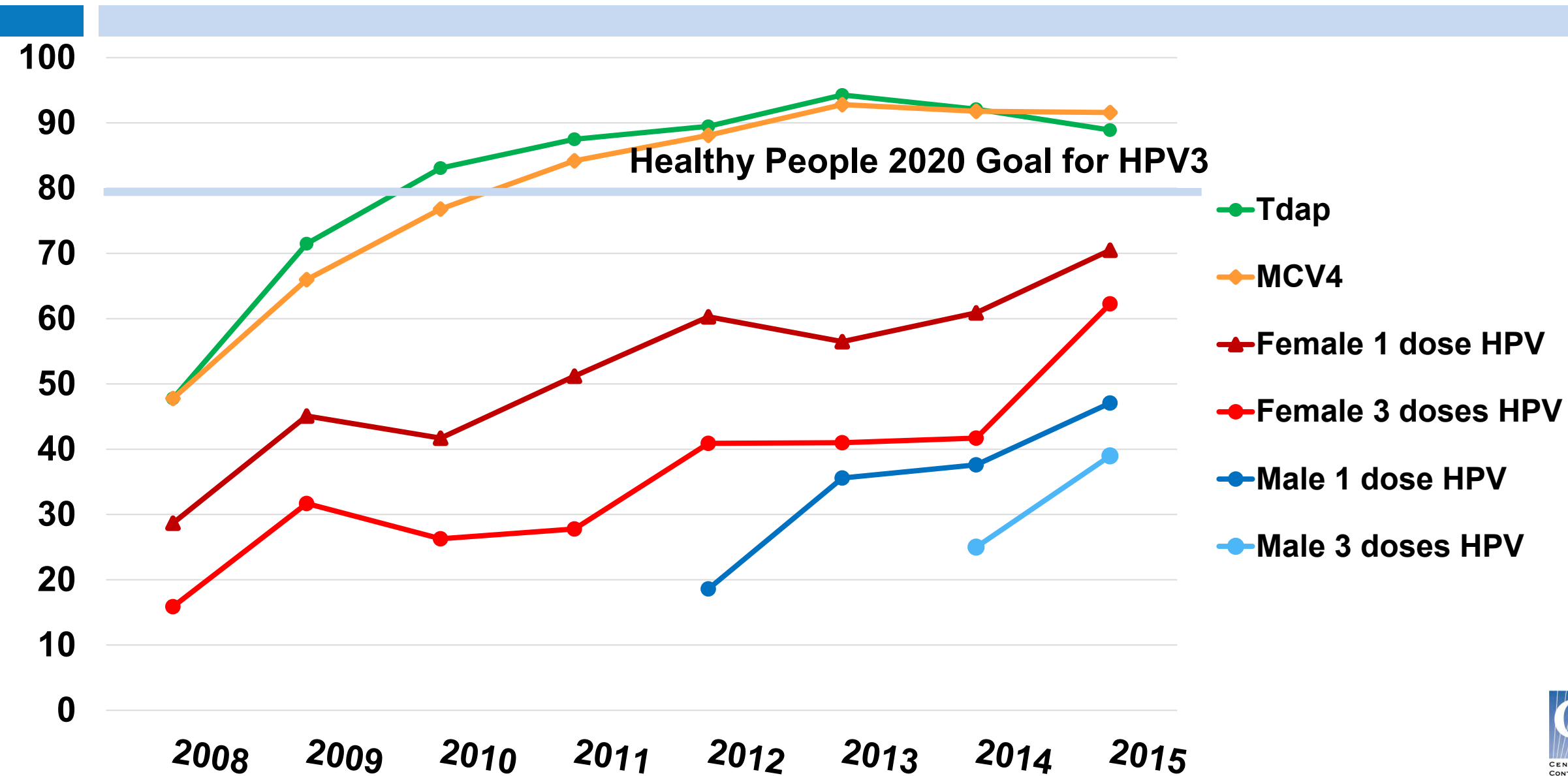
***Improving HPV Vaccine
Coverage In North Dakota
By Enhancing Adolescent AFIX***



North Dakota and U.S. Adolescent (Age 13-17) HPV Vaccination Rates (2015 NIS)

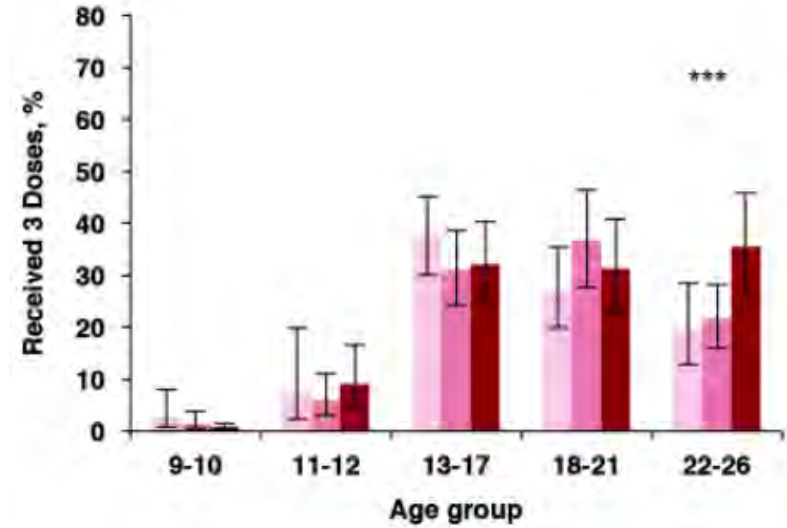
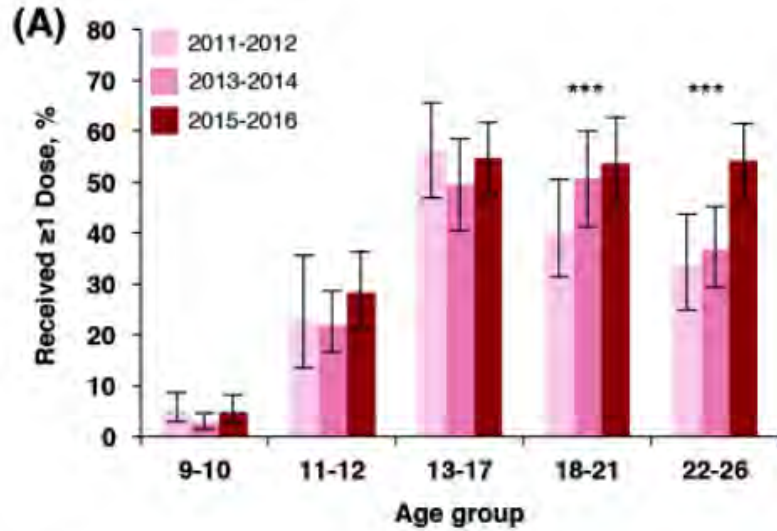


North Dakota Adolescent (13-17) Immunization Rates (NIS)

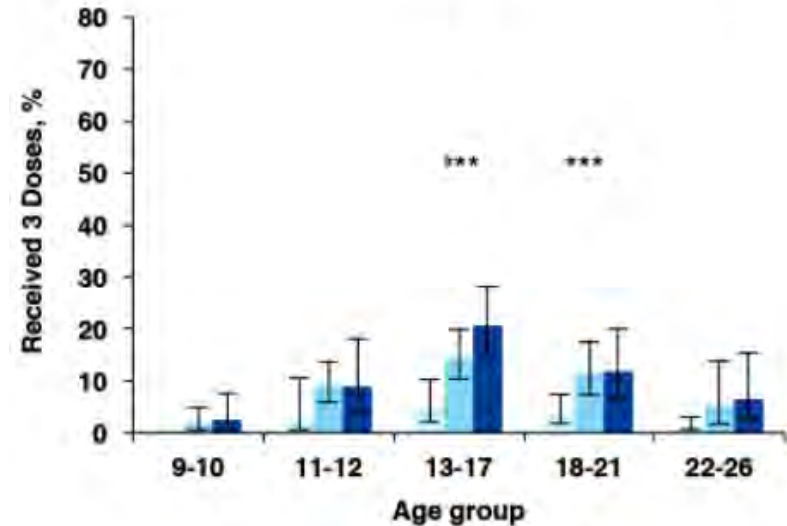
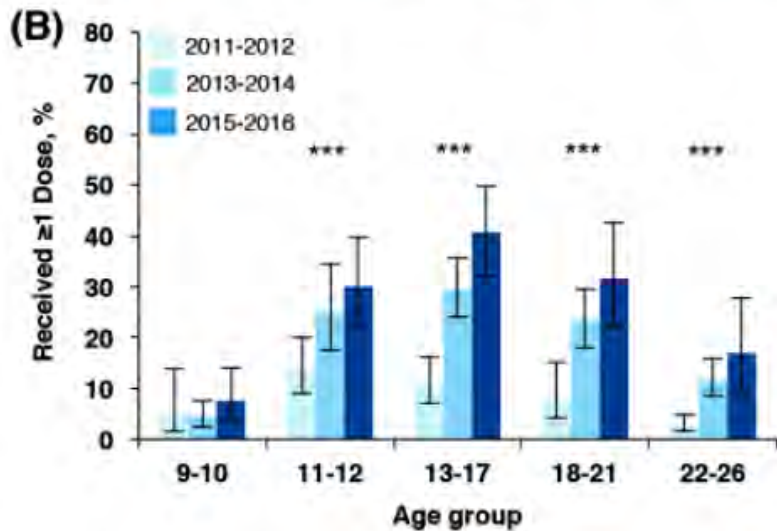


NHANES Trends in HPV Immunization, 2011-2016

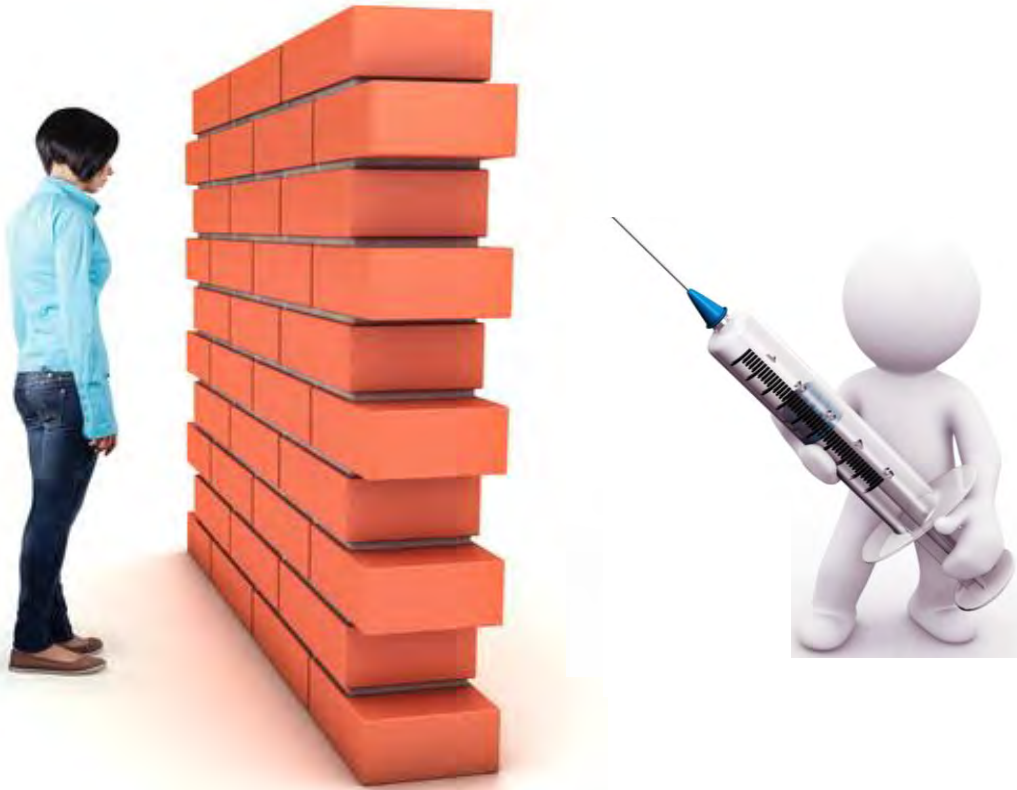
Females



Males



What Are the Barriers to HPV Vaccine Uptake?



- Necessity?
- Safety?
- Why so young?
- Am I tacitly or subconsciously approving premarital/promiscuous sex?



STAT

Study says doctors passively discourage HPV vaccines

Sexual aspect may make talks uncomfortable



Reasons Parents Don't Vaccinate Against HPV

Top five reasons for not vaccinating adolescents with human papillomavirus (HPV) vaccine*

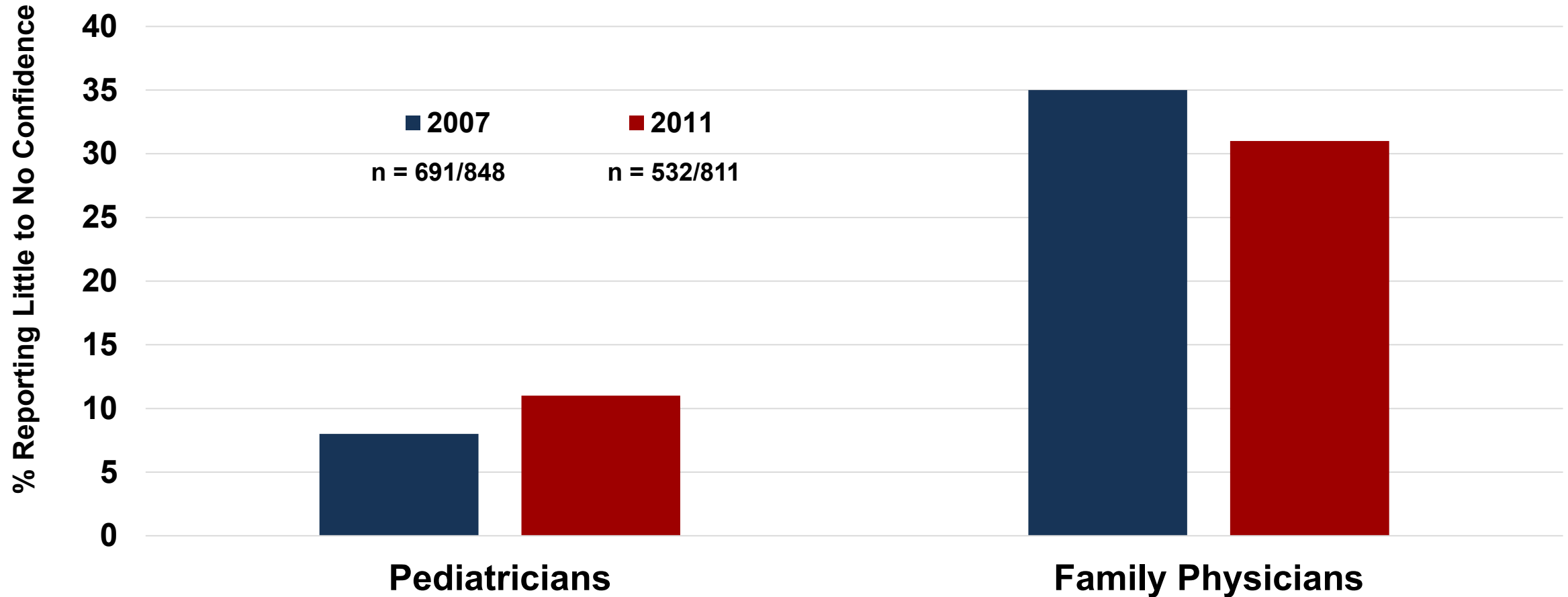
- National Immunization Survey-Teen, United States, 2013

Parents of girls			Parents of boys		
Reason	%	(95% CI)	Reason	%	(95% CI)
Lack of knowledge	15.5	(13.0-18.5)	Not recommended	22.8	(20.6- 25.0)
Not needed or necessary	14.7	(12.5-17.3)	Not needed or necessary	17.9	(15.9- 20.1)
Safety concern/Side effects	14.2	(11.8- 16.8)	Lack of knowledge	15.5	(13.7- 17.6)
Not recommended	13.0	(10.8-15.5)	Not sexually active	7.7	(6.4- 9.2)
Not sexually active	11.3	(9.1- 13.9)	Safety concern/Side effects	6.9	(5.6- 8.5)

*Analysis limited to parents reporting that they were not likely to seek HPV vaccination for their teen in the next 12 months or were unsure of their HPV vaccination plans.

Survey of Provider Confidence in Vaccine Safety

Physicians Reporting Little to No Confidence in Pre-Licensure Vaccine Safety Studies





59% of surveyed pediatricians and FPs used a “risk-based” approach in deciding who to vaccinate

Gilkey MB. *Cancer Epi Biomarkers Prev* 2015

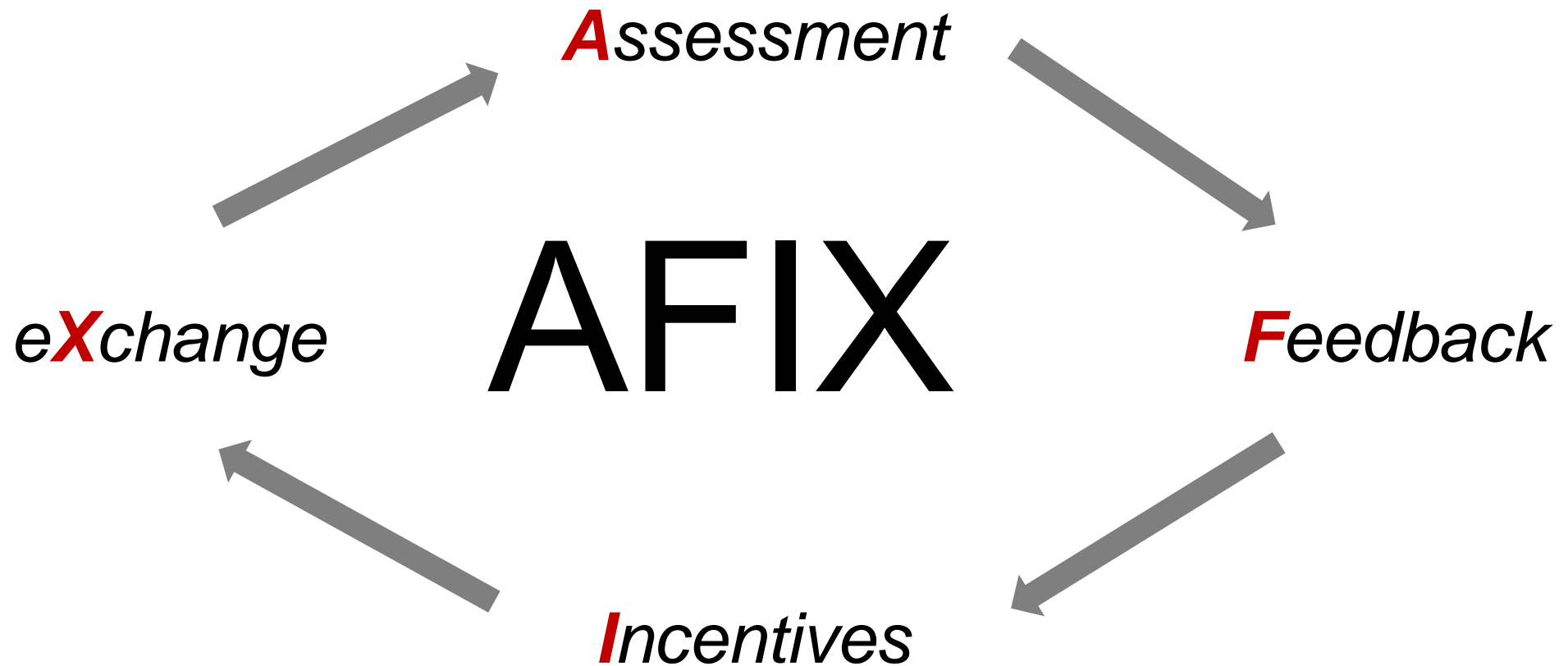
ARTICLE

Behavior in Early Adolescence and Risk of Human Papillomavirus Infection as a Young Adult: Results From a Population-Based Study

Amanda F. Dempsey, MD, PhD, MPH^a, Achamyelah Gebremariam, MS^a, Laura Koutsky, PhD^b, Lisa Manhart, PhD^b

Pediatrics 2008;122:1–7

ND “Enhanced AFIX” Project to Increase Adolescent HPV Immunization



Real Incentives?



Certificate of Completion

Continuing Medical Education
AMA Category – 1.0 h

HPV Infection and Vaccination



Dr. Cliff Mauriello

Jamestown, ND



Allison Peltier, DNP

Spirit Lake, IHS

1:2 Women Graduating from College Will Acquire HPV, Can You Guess Which One?



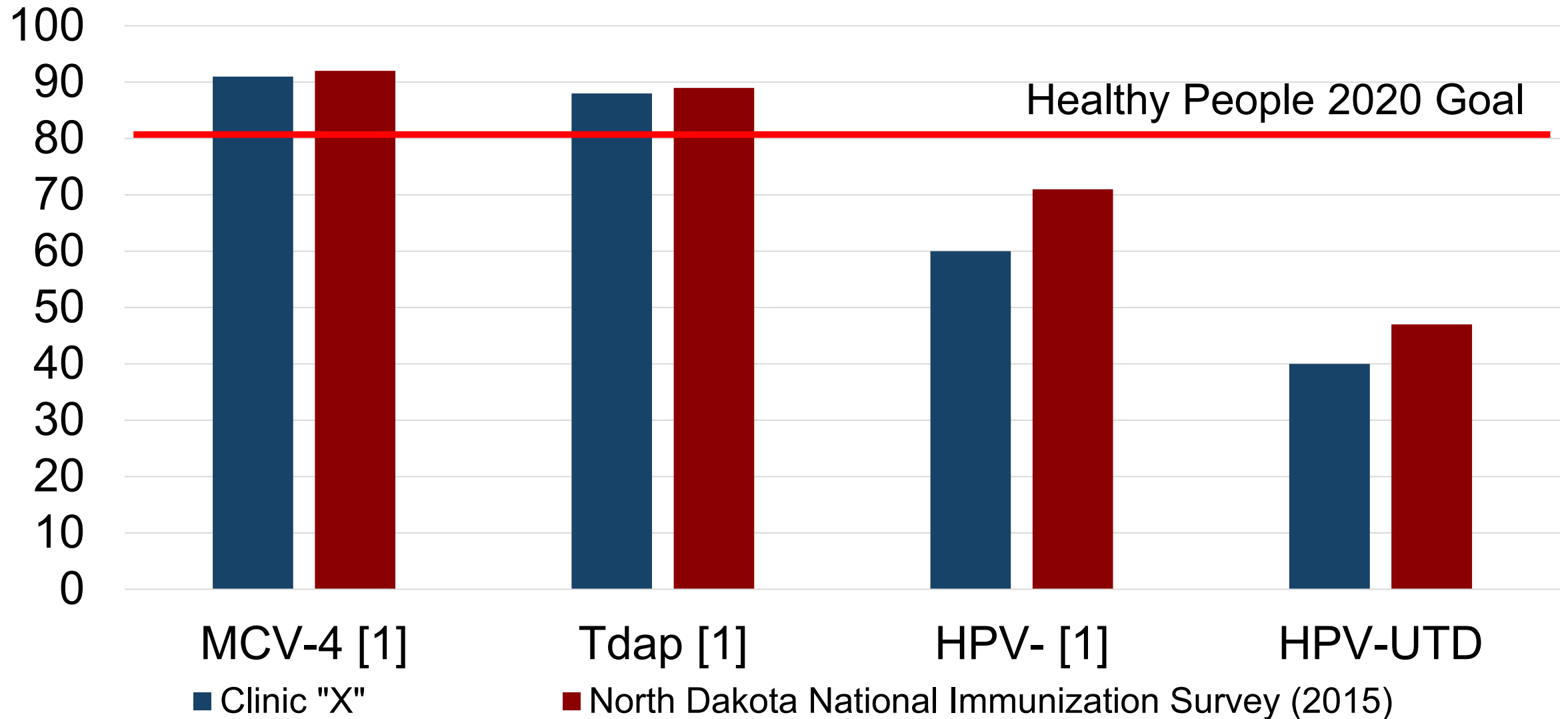
50%

HPV Vaccine - Not Just for Girls

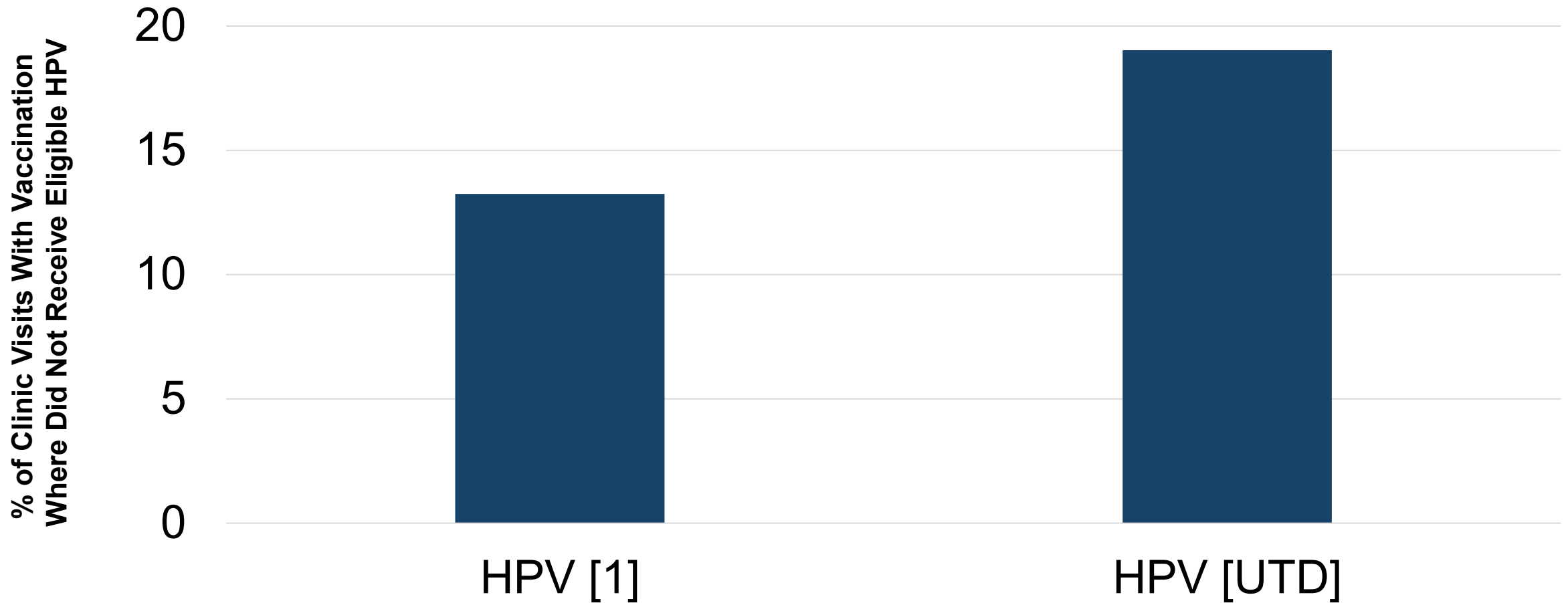


One will get HPV Infection, and will be just as likely to develop a cancer as a female

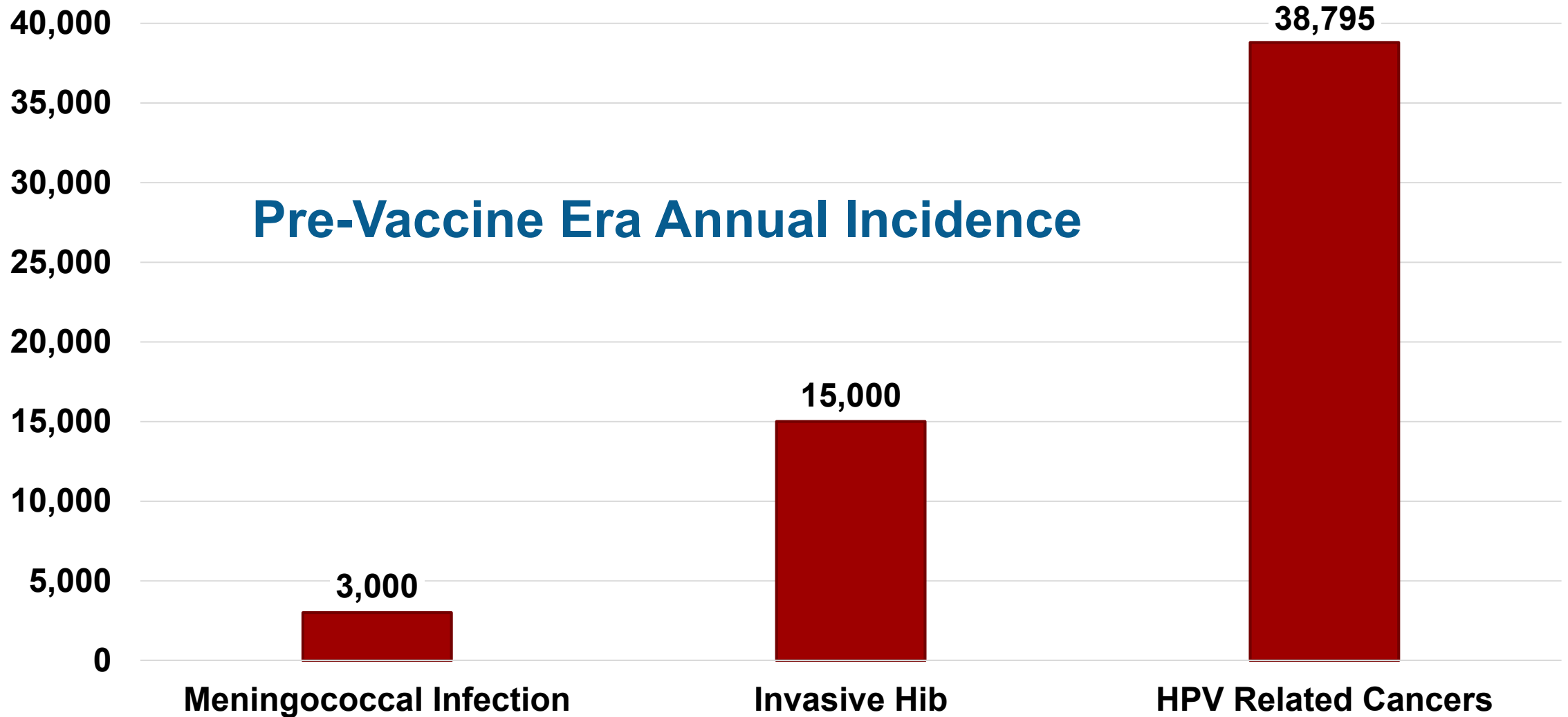
How Does “Clinic X” Compare to Statewide Rates and National Goals?



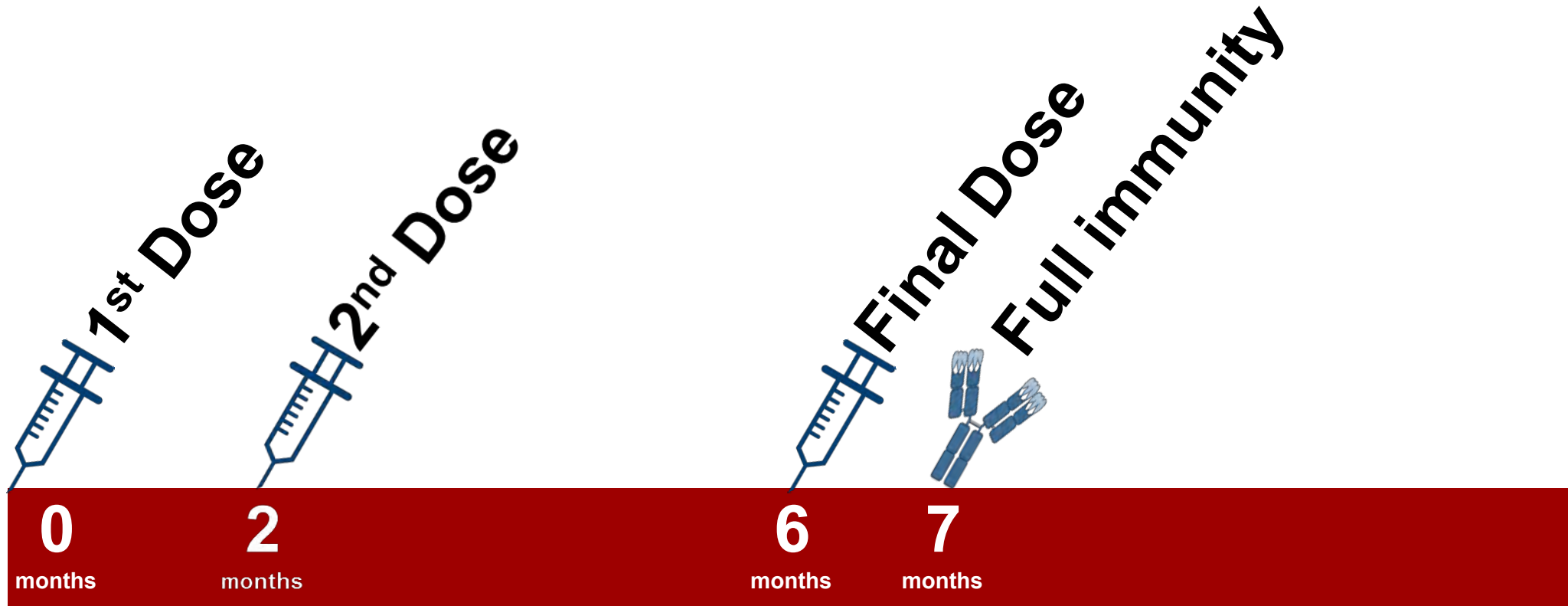
“Clinic X” Missed Opportunities - 2017



HPV Will Affect Far More of Your Patients than Meningococcal Infection and Hib Combined



HPV Vaccination Timeline

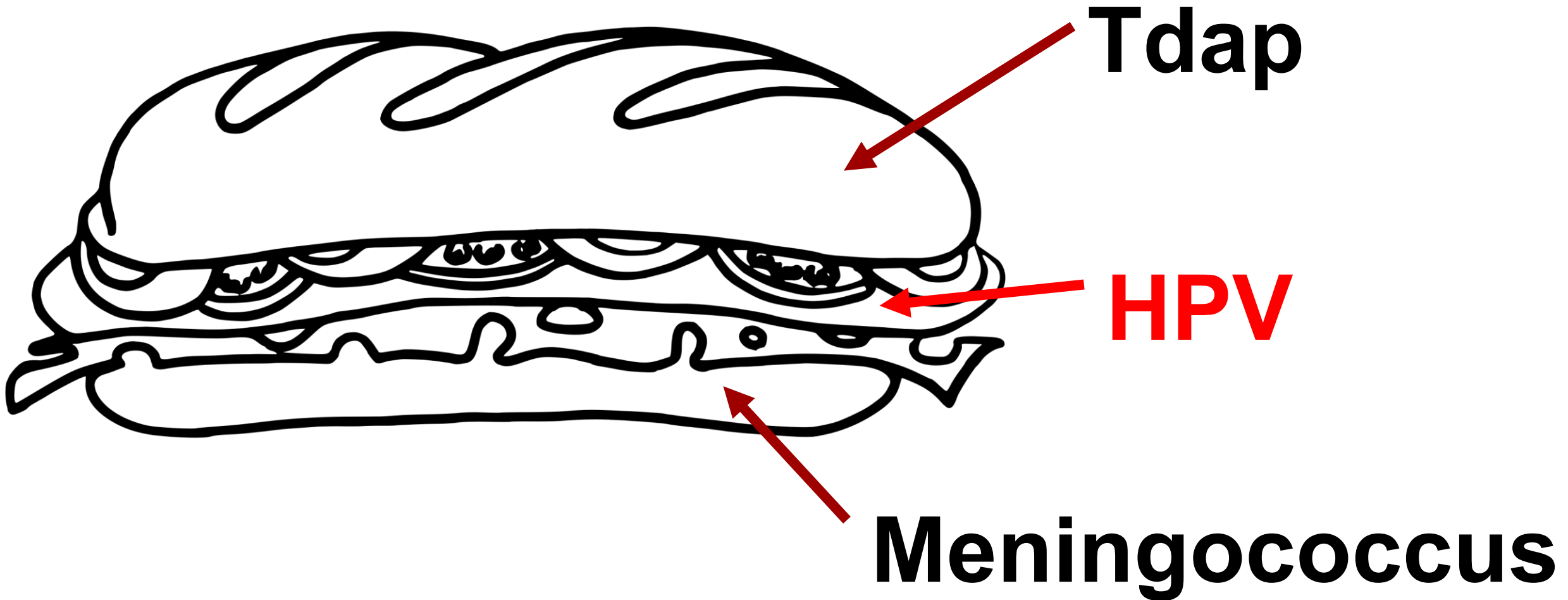


If started prior to 15th birthday...

Strategies to Improve HPV Vaccine Acceptance

- Three pronged communication approach based on the best evidence to date:
 1. **Announce**
 2. **EASE the main concern**
 3. **Recommend**

Normalize HPV Vaccination: “Sandwich” Between the “Routine” Vaccines



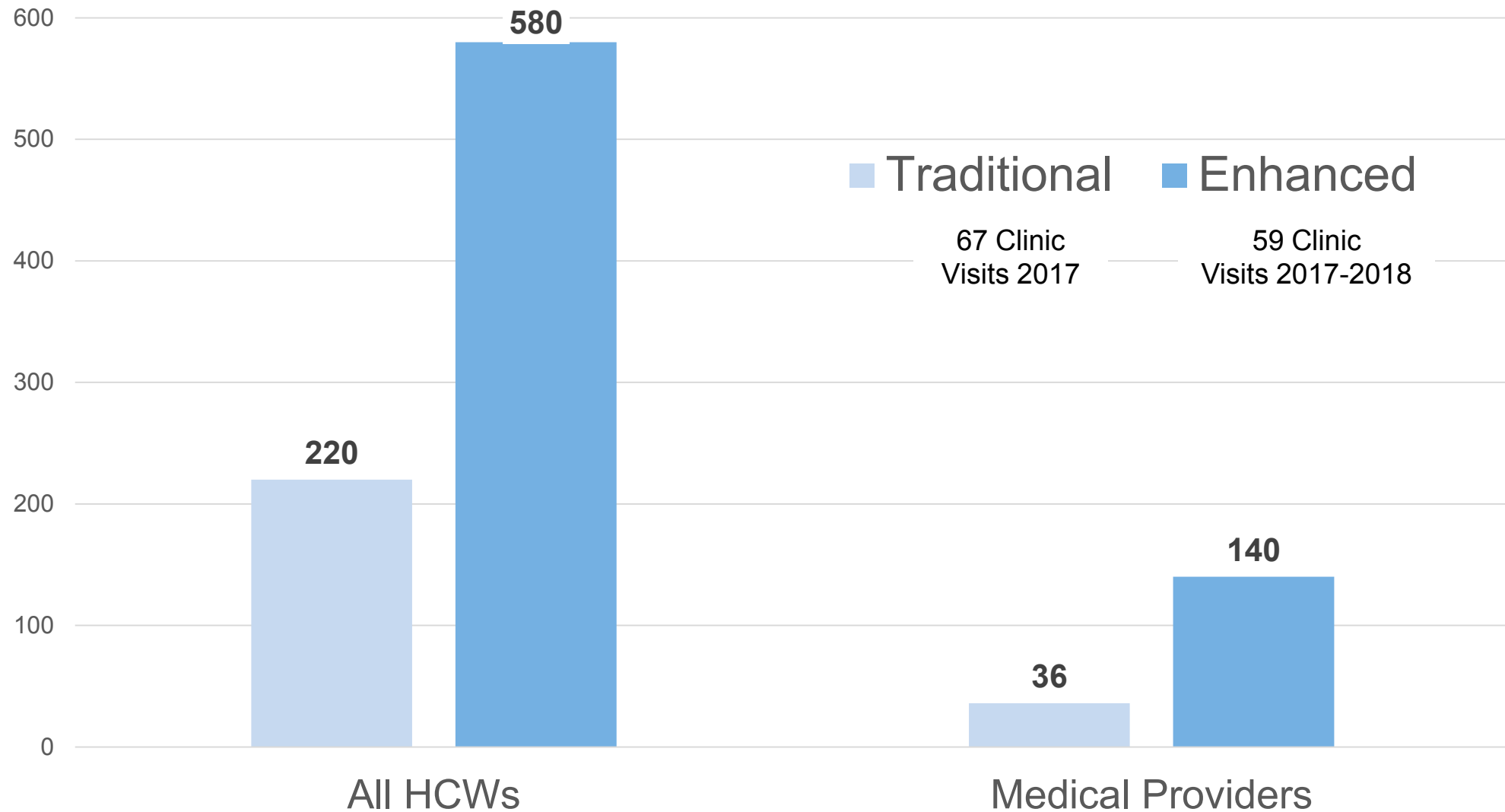
No drug, device, process, or procedure in healthcare is as heavily scrutinized and monitored for safety and efficacy as are vaccines!



**Vaccinate
With
Confidence!**



Traditional vs Enhanced AFIX: HCW and Provider Exposure



HPV Vaccination Rate Increases with Traditional vs Enhanced AFIX; Jul 2017 - Dec 2017

