



# Knowledge, Attitudes, and Practices towards HPV vaccination among reproductive-age women in an HIV hotspot in the US



**Aim:** Evaluate HPV knowledge, attitudes, and vaccination practices; and factors associated with HPV vaccination

## METHODS



Validated questionnaires (REDCap® electronic surveys): socio-demographics, sexual behaviors; HPV knowledge, screening, vaccination practices; HPV vaccination barriers & motivators



HIV-negative, cisgender, sexually active women 18-45 y.o. living in Miami, a Southern US city with a high STI incidence and low HPV vaccination coverage



Recruitment from April to June 2022



Descriptive statistics; Chi-square, Fisher's exact test, t-test, multivariate logistic regression (MLR) analysis for factors associated with HPV vaccination

## RESULTS

Figure 1. Predictors of HPV Vaccination in Multivariate Logistic Regression (n = 84)

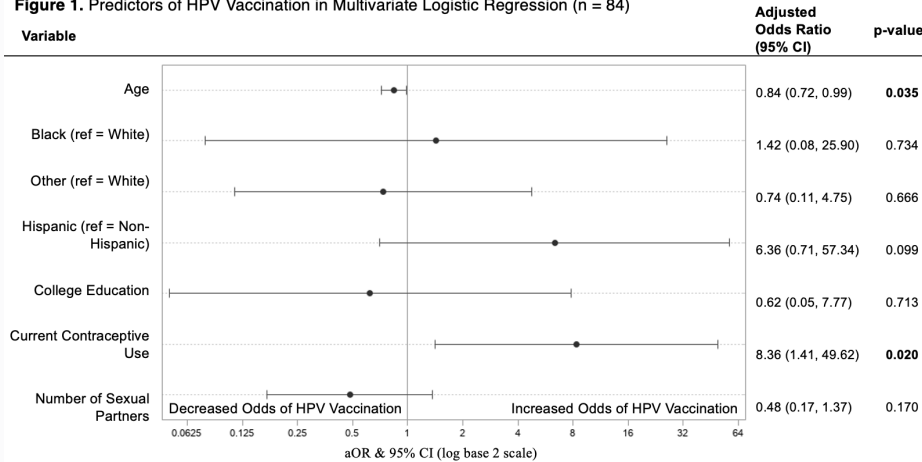
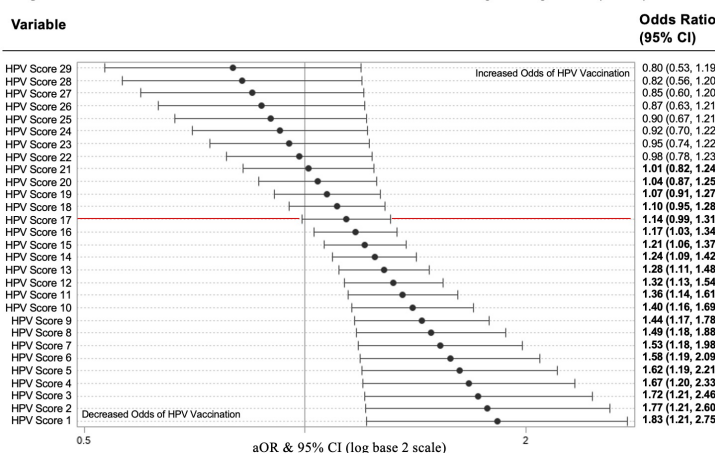


Figure 2. HPV Score as a Predictor of HPV Vaccination in Multivariate Logistic Regression (n = 84)



n=84

43 vaccinated (at least 1 HPV vaccine dose)  
 41 unvaccinated

Age 24.7(SD 4.03) y 31.4(SD 8.33) y

Prior Pap screening (min once) 76.74% 87.80%

HPV score 18.9/29(SD 6.05) 9.1/29(SD 8.82)



**BARRIERS TO VACCINATION**  
 46.3% vaccine hesitancy & personal beliefs  
 29.3% healthcare barriers  
 14.6% low-risk perception



**MOTIVATORS FOR VACCINATION**  
 71.42% risk perception & vaccine beliefs  
 60.71% healthcare-related  
 55.95% social motivators

**CONCLUSIONS:** Findings suggest suboptimal HPV knowledge and low vaccination rates among women of reproductive age. Public health efforts should focus on increasing basic HPV knowledge among women with little-to-no HPV knowledge to increase vaccine uptake

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