

# HPV Vaccination rates in School Based-Clinics



The Hoekelman Center



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## Project summary

School-based clinics (SBC) can help increase human papillomavirus (HPV) vaccination rates.

Currently students at RGPA-associated SBC are only vaccinated at the SBC if they are enrolled in the SBC and come in for a health visit.

Sending vaccination reminders and increasing total enrollment in SBC are two ways to potentially increase HPV vaccination rates.

## Background

- Australia achieved ~75% vaccination rates in 12-13yo F within 2 years of starting SBC vaccination
- HPV infections – 80% of teens contract HPV within the first 2-3 year of becoming sexually active
- HPV recommended as 2-dose series before 15y or as 3-dose series if completed after 15y

## Objectives

1. Analyze HPV vaccination data of students enrolled in SBC at Edison Tech and Charlotte to determine vaccination initiation and completion rates
2. Increase vaccination rates by determining students eligible for vaccine doses and sending reminders to schedule vaccine appointment

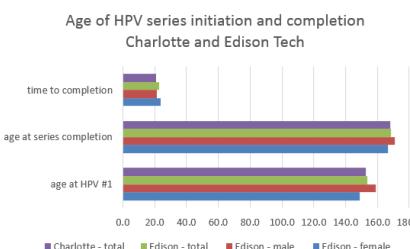
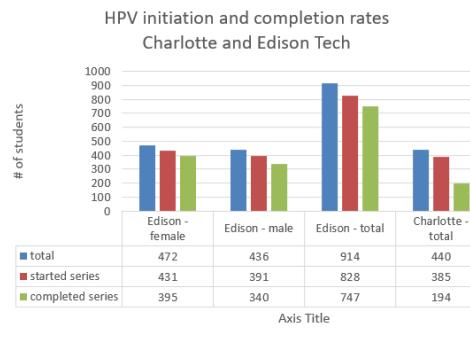
## Observations

Charlotte

- 440 students enrolled in SBC database
- 385 (87.5%) started series; avg age 12 y 8 m
- 194 (44%) completed 3-dose series; avg age 14 y 0 m
  - 231 (52%) completed 2-dose series

Edison Tech

- 914 students enrolled in SBC database
- 828 (90.6%) started series (F 431, 91.3%; M 391, 89.7%); avg age 12 y 9 m (F 12y 5m; M 13y 3m)
- 747 (81.7%) completed 3-dose series (F 395, 83.7%; M 340, 78%); avg age 14 y 0 m (F 13y 10m; M 14y 2m)



## Methods

- Establish data base of students enrolled in SCB at Edison Tech or Charlotte HS – gender, age at first HVP vaccination, if eligible for 2-dose series, if completed 2 vs 3-dose series, time to completion of series
- Reviewed students who were eligible to receive additional HPV doses
- SBC NPs to call patients who were due for vaccinations
- Reanalyze data to determine increase in vaccination rates

## Future directions

Advertisements, newsletters, and SBC table at parent-teacher night, open-house to increase SBC enrollment.

## References

- Brotherton et al (2011) The Lancet. CDC, MMWR 2016;65(26):661-666  
CDC, HPV vaccination, [www.cdc.gov](http://www.cdc.gov)  
Niccolai and Hansen (2014) JAMA Pediatrics.  
Saslow et al (2016). ACS guideline endorsement.