

Division of Adolescent & Young Adult Medicine Retreat- 2018

Computers, Contraception, & Condoms (oh my!)

The impact of a contraception-focused computer-based clinic intervention on condom use in Latina adolescents.

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My Background

Where I'm coming from:

- Completed residency in pediatrics
- Currently a first year clinical fellow in adolescent medicine
- Longstanding scholarly interest in teens and reproductive health
 - College: Feminine product use and emergency contraception
 - Medical school: Social media use and sexual risk behavior
 - Residency: HPV vaccination for hospitalized adolescents
 - Fellowship: What now?

Current Project Background

What do we know?

- Latina adolescents have disproportionately high rates of unintended pregnancy and STIs
- Sexual health interventions that use technology may be of use in this population, but studies are limited
- Effective contraception prevents pregnancy but does not protect against STIs (duh!)
- Improvement in knowledge and utilization of effective non-barrier contraception may have an impact on condom use

Methods/Research Plan

What am I doing?

- Overall Study
 - RCT of a computer-based contraceptive application (Health-E You) in LAUSD school-based health centers
 - Baseline and 3-month follow-up data ready to go
- My project = secondary data analysis
 - Cross-sectional analysis of 3 month data
 - Longitudinal analysis of baseline-6 month data

Methods/Research Plan cont.

What am I doing?

- **Primary Aim:** To determine the effect among sexually active Latina adolescents of the Health-E You app on:
 - Condom use
 - Dual-method use
 - Condom use self-efficacy
 - STI incidence
- **Secondary Aim:** To determine the association between choice of non-barrier contraceptive method (ie LARC vs non-LARC) and condom use.

Methods/Research Plan cont.

What am I doing?

- PAS Abstract
 - Cross-sectional analysis of 3-month data
 - Predictors:
 - App use
 - Non-barrier contraceptive method
 - Other factors: age, age at first sex, frequency of sex
 - Outcomes:
 - Condom use
 - Condom self-efficacy

Next Steps/Future Directions

Where is this going?

- Next data analysis (likely SAHM abstract)
 - Longitudinal analysis of baseline-6 month data
 - Does change in non-barrier method predict change in condom use?
- Future directions TBD!