

CENTRO COMPRENSIVO DE CANCER

Racial/ethnic disparities in awareness and attitudes towards the HPV vaccine among women living in the United States and Puerto Rico

TAD DE CIENCIAS DE

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100%

80%

60%

40%

20%

80.2%

Background

- Human Papillomavirus (HPV) is the most common sexually transmitted infection in the United States (US).¹
- In Puerto Rico (PR), cervical cancer is the sixth leading cause of cancer death in women.¹ Hispanic women in the U.S., have a higher incidence and mortality rate of cervical cancer in comparison to white non-Hispanic women.⁵
- The HPV vaccine is the most effective preventive method against cervical cancer.²
- Studies have shown racial/ethnic disparities in knowledge and attitudes towards HPV and its vaccine.³
- Few national studies have explored these disparities including Puerto Rican women.⁴

Study Objectives

- 1. Determine awareness and attitudes towards HPV vaccine among women living in the U.S. and P.R.
- 2. Describe the association between the racial/ethnic group (non-Hispanic White, non-Hispanic Black, Hispanic and P.R. women) with awareness and attitudes about HPV vaccination, adjusting for confounding variables.

Methods

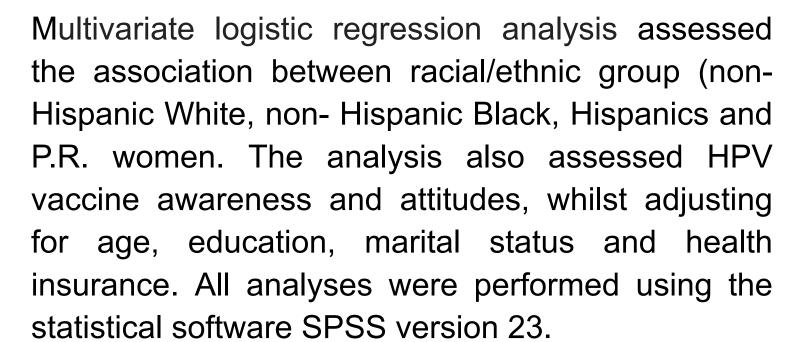
(HINTS). HINTS is a biennial,

related information.



Data Collection

Statistical Analysis



Secondary analysis was performed using data from

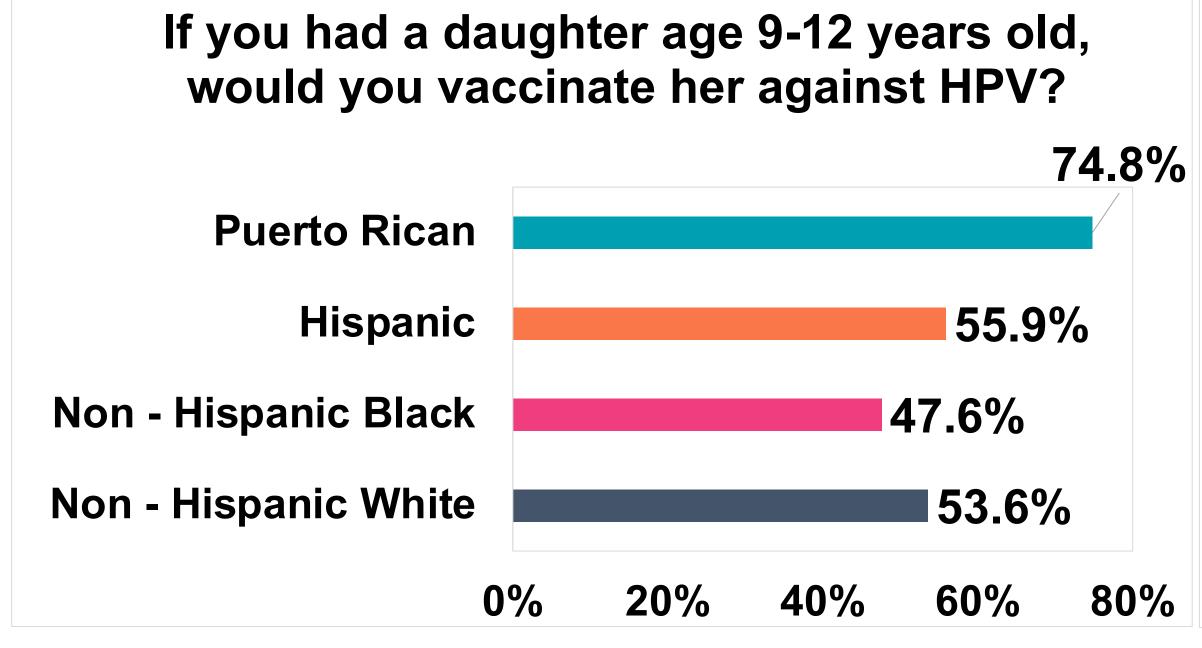
the Health Information National Trends Survey

survey that collects representative data about

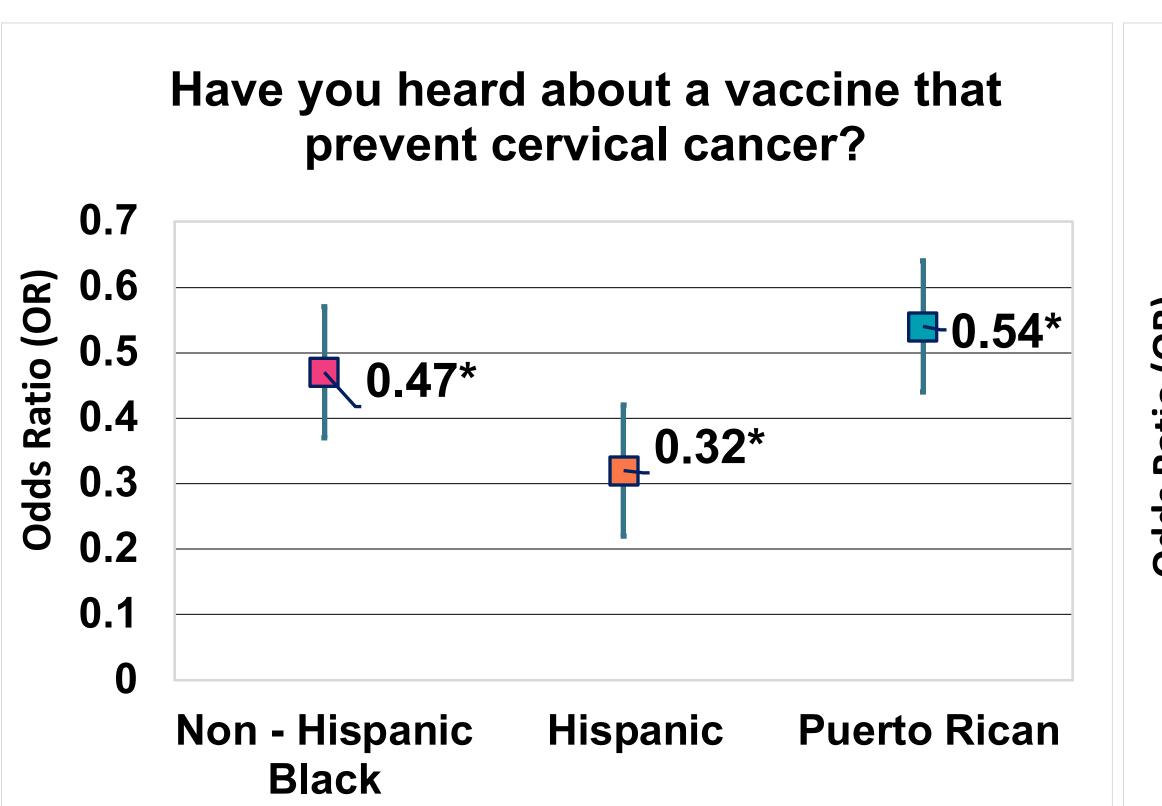
knowledge, attitudes and use of cancer health-

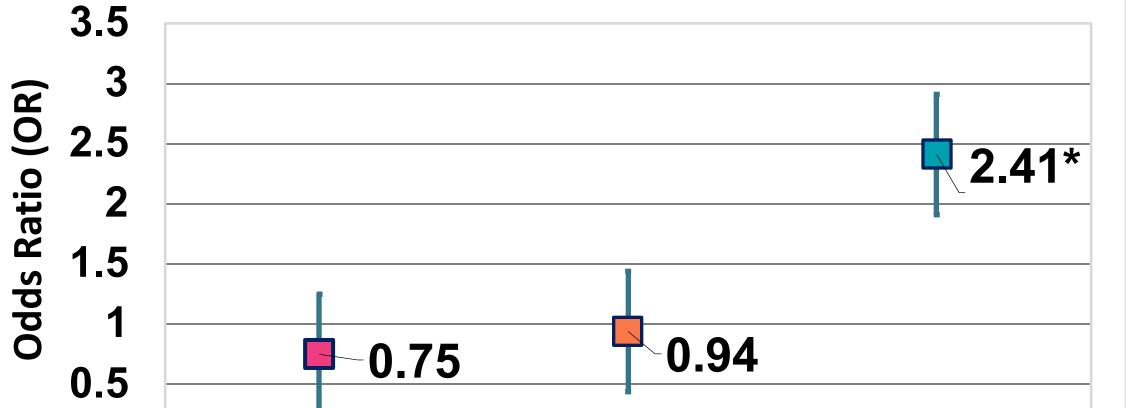
cross-sectional

Results









If you had a daughter age 9-12 year old,

would you vaccinate her against HPV?

Have you heard about a vaccine that

prevent cervical cancer?

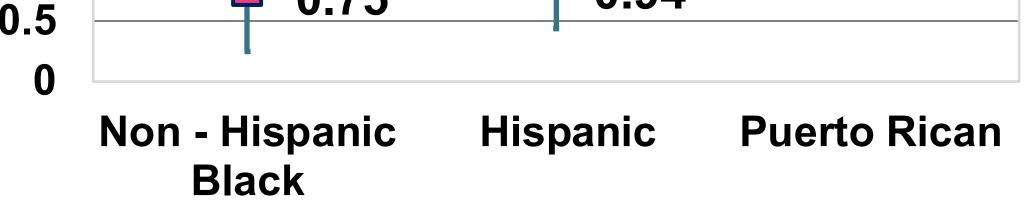
63.8%

65.5%

Rican

69.4%

N.H. Whites N.H. Blacks Hispanic



Panel 2. Multivariate logistic regression model to evaluate the association between race/ethnicity and awareness of HPV vaccine on women.

Logistic regression model adjusted by age, education, marital status and medical insurance.

Reference group: Non Hispanic White Women

*Statistical significance: p-value (p<0.001).

Conclusions

- In comparison to U.S. White women, all races ethnicities studied in this analysis were less likely to have heard about the HPV vaccine. Hispanic women were 68% less likely to have heard about the HPV vaccine.
- Women living in P.R. showed a greater disposition toward the HPV vaccine.
- Non-Hispanic Black women in the U.S. were least likely to show a positive attitude towards the HPV vaccine.
- These disparities observed suggests racial and ethnic differences in the awareness and attitudes toward the HPV vaccine, which deserve further investigation in order to develop targeted educational interventions aiming to increase awareness and knowledge about HPV and its vaccination by racial/ethnic populations.

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