



CANCER PREVENTION & RESEARCH INSTITUTE OF TEXAS

Award ID:
RP170493

Project Title:
For Our Children: A tailored multi-level intervention for parents and healthcare providers to increase HPV vaccination rates

Award Mechanism:
Individual Investigator Research Awards for Prevention and Early Detection

Principal Investigator:
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Entity:
The University of Texas Health Science Center at Houston

Lay Summary:

Infection with Human papillomavirus (HPV) causes a number of cancers including male and female genital cancers, anal cancer and cancers of the throat. Being vaccinated for HPV can reduce infection with HPV and death from HPV-associated cancers, but vaccination rates among fall below the Healthy People 2020 goal of 80% completion. National data for Hispanic adolescents (aged 13-17) suggest 66.3% of females and 54.2% of males have initiated the 3-dose vaccine and only 49.6% of females and 27.8% of males completed the vaccine. Both parental and provider knowledge, beliefs, and behaviors impact adolescent HPV vaccination. Parents often have low knowledge about HPV and the vaccine, do not believe their child is at risk, have safety concerns and often do not receive a provider recommendation. Providers often fail to give a strong recommendation and wait until adolescents are older to recommend the vaccine.

The goal of the proposed study is to improve HPV vaccination rates among Hispanic adolescents (aged 11-17). In Aim 1, we will test a tailored interactive multimedia intervention (originally developed for parents of Hispanic girls) that was adapted for parents of Hispanic boys to determine its effectiveness at increasing HPV vaccination uptake for Hispanic boys. We will also test an intervention using parental text message reminders to increase HPV vaccination in Hispanic adolescents. In Aim 2, we will enhance an existing tailored interactive multimedia intervention for parents by developing a training component for healthcare providers to increase provider recommendation for the HPV vaccine using an approach called Intervention Mapping. In Aim 3, we will conduct a study with three conditions (provider training alone, provider training with the parent intervention, and usual care) to determine the effectiveness and cost-effectiveness of each condition on increasing HPV vaccine initiation and completion among Hispanic adolescents.