Computerized intervention to promote HPV vaccination in Latino adolescents: A pilot study

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**Abstract**

This study examined feasibility, acceptability, and preliminary effect of a computer-tailored intervention aimed at promoting HPV vaccination in Latino adolescents aged 11-17. Among 46 Latino parents who had one or more eligible children who had not received HPV vaccines, 91% (*n* = 42) completed the intervention and assessments via tablets in a vaccine clinic. Mean knowledge scores increased significantly from pre- to post-intervention. After the intervention, 95% (*n* = 40) of parents intended to get their children vaccinated; 50% (*n* = 21) of them consented to vaccination immediately, resulting in 24 adolescents being vaccinated at that time. All parents reported learning via tablets to be easy; two nurses reported that intervention delivery in the clinic was feasible. Mean acceptability rating was high (*M* = 3.56, range 1 - 4). This tailored intervention proved to be feasible and acceptable, and it showed preliminary short-term effects on intent and getting thefirst HPV vaccine dose.

**Key words**: adolescent health, computer-mediated health promotion, health behavior, HPV, Latino, vaccine

**Biographical Sketch**

**Angela Chia-Chen Chen** PhD, RN, PMHNP is an Associate Professor of Arizona State University College of Nursing & Health Innovation and a Visiting professor at UCSF Center for AIDS Prevention Studies. This paper is based on one of her projects focusing on health promotion and idsease prevention in ethnic minority population.

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**Contributions**

Study design: ACCC, MT

Intervention Development: ACCC, AA, UM, LS

Data Collection and Analysis: ACCC, MT

Manusript Writing: ACCC, MT, AA, UM, LS

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