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

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Angela Chia-Chen Chen, PhD, RN, PMHNP

Associate Professor

Arizona State University

College of Nursing & Health Innovation

500 N. 3rd Street, Phoenix, AZ, 85004, United States

angela.ccchen@asu.edu

Phone: +16024960832

Michael Todd, PhD

Research Associate Professor

Arizona State University

College of Nursing & Health Innovation

500 N. 3rd Street, Phoenix, AZ, 85004, United States

Ashish Amresh, PhD

Assistant Professor

Arizona State University

Computing, Informatics, & Decision Systems Engineering

7151 E. Sonoran Arroyo Mall, Picacho Hall (PICHO) 245, Mesa, AZ, 85212

Usha Menon, PhD, RN, FAAN

Professor & Associate Dean for Research and Global Advances

University of Arizona

College of Nursing

1305 N. Martin Ave, Tucson, AZ, 85721

Laura Szalacha, EdD

Clinical Professor & Director, Research Methods and Statistics

University of Arizona

College of Nursing

1305 N. Martin Ave, Tucson, AZ, 85721

**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.

**Michael Todd,** PhD,is a Research Associate Professorof Arizona State University College of Nursing & Health Innovation. He is a senior research methodologist and statistician.

**Ashish Amresh**, PhD, is an Assistant Professor of Arizona State University Ira A. Fulton Schools of Engineering. His research focuses on the applications of gaming technologies to enhance learning.

**Usha Menon**, PhD, RN, FAAN is a Professor & Associate Dean for Research and Global Advances at University of Arizona College of Nursing.

**Laura Szalacha**, EdD is a Clinical Professor & Director, Research Methods and Statistics at University of Arizona College of Nursing.

**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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