

Relevance of Smartphone Utilization in Research

- Mobile phones are deemed:
 - 'the platform for changing human behavior'9
 - 'the constant companion'
- Similar efficacy to human computer interaction research, with additional benefits and the potential to increase effectiveness of behavior change^{9,15}

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Benefits of Smartphone Use

- Ability to capture layered information in a person's life 'real time'
- □ The ability to motivate and influence health behavior change^{9,15}

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HPV Vaccine

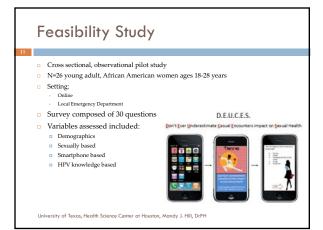
 Among STI prevention methods, the HPV vaccine has proven to be one of the most effective biomedical interventions^{10,16}

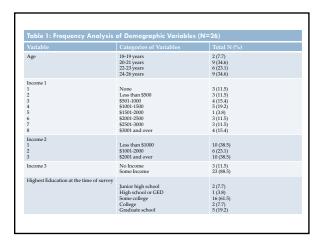
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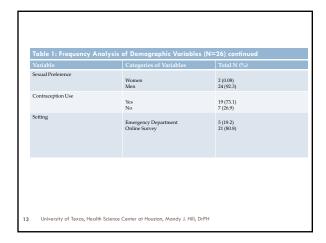
10 Feasibility Study

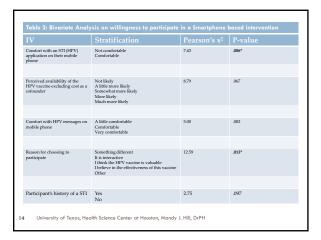
A Smartphone application based intervention promoting HPV vaccine uptake and completion among young adult, African American women

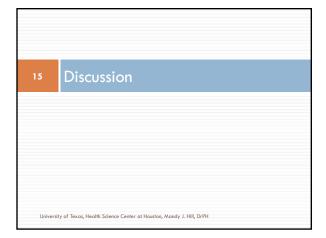
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Significant differences among:

□ Age groups*

□ Perceived availability of the HPV vaccine, excluding cost as a confounder*

□ Comfort level with an STI (HPV) mobile application on mobile phone*

□ Reason for choosing to participate*

Legend:

- significant p<0.05 ANOVA

- significant p<0.05 Bivariate Analysis (crosstabs)

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Future Research

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□ Identify:
□ Information required to develop an interactive Smartphone application
□ Create:
□ A virtual environment where young adults can gain awareness and health information designed to promote utilization of preventive methods.
□ Behavioral Change:
□ By incorporating 'real time' information into everyday interactions, 'real time' decision making will be influenced towards behaviors promoting sexual health.

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