

Acceptance of Self-Sample HPV Testing Among Medically Underserved Women

TODAY



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CERVICAL CANCER AND SCREENING

- **HPV virus is the leading cause of cervical cancer**
- Cervical cancer most frequently diagnosed malignancy in females between 35 and 44; older and younger women also at risk
- Previously detected through provider-performed sampling of cervical cells
 - An invasive and sometimes uncomfortable exam
- In May 2024, the FDA approved **self-sampling kits** for use in clinical settings
- Clinical setting required due to potential danger of storage medium if improperly handled
- Dry samples (those not placed in storage medium) not sufficiently sensitive for clinical use after nine hours
- **Widespread lack of knowledge about risks from HPV virus** and need for screening, especially among women of color and those living in underserved communities

OUTCOME/GOALS/IMPACT TO PATIENT

- **Perform a pilot study among women ages 25-65 living in medically underserved Peoria communities to:**
 - Educate community members and participants regarding importance of routine screening
 - Provide opportunity for women to perform self-sampling in a community setting, such as a church, and return sample to clinician in OSF caravans parked outside
 - Understand participants' perception of self-sampling for HPV screening
 - Assess patient barriers to self-sampling in clinics and community-based settings



PLANNED JOURNEY

- Collaborate with OSF street medicine program to
 - Secure clinician(s) and caravan for pilot
 - Plan outreach to publicize self-sample events
- Collaborate with OSF central lab and Roche Biologics to obtain kits and process samples
- Identify/develop educational materials concerning HPV for use during self-sampling events
- Develop short questionnaire regarding patient's perceptions of HPV self-sampling, community vs clinic setting, and barriers to self-sampling in clinics and community-based settings
- Continue collaboration with OSF HealthCare Cancer Institute on HPV screening events and integrating them into Destination Center strategy
- Dissemination of findings via presentations and publications



DIRECT IMPACT TO PATIENT/FAMILIES

- **Subpopulation of medically underserved women will have opportunity to be screened for HPV and receive follow-up care if needed**
- Patients will be able to share:
 - Perceptions of self-sampling
 - Perception of doing so in community vs clinic setting
 - Perceived barriers and enablers to self-sampling in community vs clinic setting
 - Perception of educational materials made available during the screening event
- **Findings from this pilot study will be translated into other studies done with different populations, particularly those in rural areas**