



DEVELOPING AND IMPLEMENTING AN iPad-BASED SEXUAL HISTORY APPLICATION TO INCREASE EXTRA-GENITAL GONORRHEA (GC) AND CHLAMYDIA (CT) TESTING IN MEN WHO HAVE SEX WITH MEN (MSM)

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Background and Objectives

- Asymptomatic carriage of *Neisseria gonorrhoeae* (GC) and *Chlamydia trachomatis* (CT) in extra-genital sites is common
- Performance of extra-genital GC/CT testing among men who have sex with men (MSM) is not routinely performed
- We have developed, and are implementing, an iPad-based sexual history application to identify extra-genital risk exposures among MSM
- Process barriers to full implementation are described and discussed

Methods

- Published and currently-utilized sexual history / risk assessment questions were reviewed and collated
- Comprehensive “best practices” questionnaire was programmed for self-administration using an iPad tablet device
- Responses were designed to integrate directly into electronic health record (EHR) data fields
- Self-reports of rectal and/or pharyngeal exposure were programmed to generate provider prompts for performing extra-genital GC/CT tests

Implementation: High-Volume MSM Sites

- Washington University Infectious Disease Clinic, St. Louis MO
- Erie Family Health Center, Chicago IL
- AIDS Resource Center of Wisconsin, Milwaukee WI

Examples of iPad-based Sexual History / Risk Assessment Questions

Findings to Date

- Patient-level: easy to complete, well-accepted, non-intrusive
- Provider-level: incomplete compliance with risk-based screening recommendations
- System-level: firewall barriers impede direct importation of responses into EHR fields
- Formal 3-month / 6-month evaluation is underway

Conclusions

- iPad-based sexual history is a useful tool to promote appropriate use of site-specific extra-genital GC/CT testing
- System-level EHR barriers may impede full implementation