

# Implementing Routine HIV Testing in the Emergency Department of an Urban University Hospital



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#### Abstract

<u>Objective:</u> In 2006, the CDC called for an increase in HIV screening in all health care settings, including emergency departments (EDs). In response to these recommendations, a universal HIV testing program was launched in the ED of Halnermann University Hospital, a basy, urban hospital in Philadelphia, PA, Using a comselor-driven targen model, the program's objectives were to identify new HIV cases and link the newly diagnosed individuals into care.

<u>Methods</u>: The program began with certified HIV counselors offering optim-of-care rapid HIV testing in exam rooms to all eligible patients regardless of risk factors for 10 hours daily Monday-Friday. In response to client demand, the program was expanded to offer testing to partners, fireds, and family members of ED patients. HIV counselors collected demographic information, obtained consent, performed counseling and testing, and provided results. Screening was done via oral swab using the Oraquick ADVANCE<sup>®</sup> Rapid HIV-12 Antibody Test. Patients with preliminary positive results were immediately offered confirmatory testing in the ED and actively referred for care at an affiliated HIV ouppatient clinic.

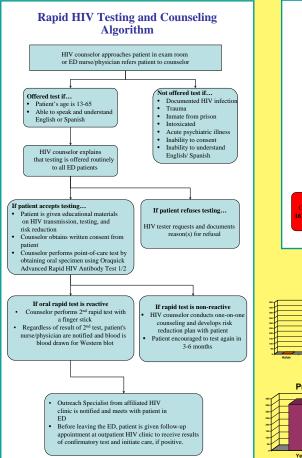
<u>Results</u>. From May 2007 through July 2008, 1.816 individuals were offered rapid HU screening, and 82.5% accepted testing, including 73 non-ED patients. Among those who accepted, the mean age was 35.6, 50.6% were female, and 79.8% were black. At least 25% of these patients reported this as their first HU test. Eighteen patients tested preliminarily positive for HIV. Of these, 11 were confirmed positive, 4, were sourcessfully index of 20.3%. Among the 11 confirmed positive, 5.7 were successfully linked to follow-up care with at least one or more clinic visits. The other six have not yet engaged in care despite repeated and oneonig attempts to contact and engage them.

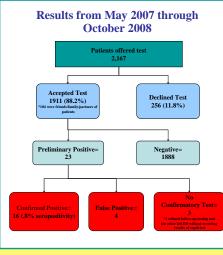
<u>Conclusions</u>: Strengths of our program include the number of patients offered, and accepting, testing; the use of a streamlined consent and point of care testing process; and the successful delivery of results to patients. Given the rates of false-positives, the use of oral fluid with Ora-Quick Advanced Rapid HU test needs further evaluation. Areas for improvement include involving the ED personnel in performing HIV screening and increasing the proportion of linked positives.



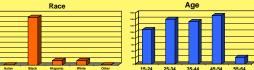
I have read and understand the materials given to me about the Rapid HIV test. I understand that the results will take approximately 20-40 minutes and I agree to wait for the results. I understand that the HIV test is voluntary and by signing below I consent to it

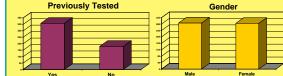






Characteristics of Patients Accepting HIV Testing





## Characteristics of Patients with Newly Diagnosed HIV Infection

Patient	<u>Sex</u>	Age	Race	Risk Factor	CD4 Count	Opportunistic Infection
I	Male	21	African American	MSM	391 (32.6)	None
п	Male	33	South East Asian	Heterosexual	10 (1.9)	PCP
ш	Male	25	African American	MSM	251 (7.6)	None
IV	Male	29	African American	MSM	454 (34.9)	None
v	Female	31	African American	Heterosexual	73 (8.1)	None
VI	Male	34	African American	MSM	54 (9)	PCP
VII	Female	45	African American	Heterosexual	266 (26.6)	None

# Conclusions

Program Strengths:
High acceptance rate and large of number of tests conducted
Use of streamlined consent and point of care testing process
Nearly 100% of patients received test results for leaving the ED

### Program Challenges:

•Concern with increasing rates of false-positive results with oral fluid specimen •Involving ED staff in HIV screening process to promote sustainability •Improving linkage to care for positives

## Acknowledgements

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