

Introduction to OraQuick Rapid HIV Testing

William F. Ryan Community Health Center
School Based Health Program

Presenters

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School Based Health Program

Our program offers complete primary care
services onsite to students at
West Side High School
and
Booker T. Washington Middle School

National HIV Statistics

- Somewhere between 900,000 and 1,125,000 Americans are now infected with HIV
- 50 to 60 percent of those infected with HIV DO NOT KNOW they are infected
- In 2003, between 40,000 and 50,000 Americans were infected with HIV
- 25% of all newly infected individuals are teenagers
- 50% of all newly infected individuals are age 25 or younger
- The rate of new HIV infections is climbing fastest in teenagers, women and people of color

HIV Testing Methods

- Blood Test
- OraSure
- OraQuick

Taking the Test

- Confidential Vs. Anonymous
- Patient consent and pre-test counseling
 - Risk Factors Assessment
 - Meaning of HIV Test Results
 - Transmission
 - Benefits of Testing
 - Recent Exposure
 - Reporting requirements
 - Partner notification

Why Rapid Test?

- Up to a third of people who have a sample taken for conventional (two week wait) testing never return to get their results.

Why not return?

- Stigma and Shame Associated with HIV
- Denial
- Fear
- Lack of awareness of treatment options

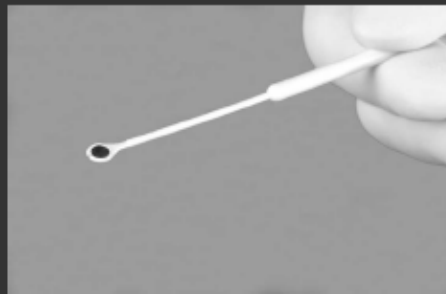
Rapid Test Procedure



OraQuick: Oral fluid, serum, whole blood

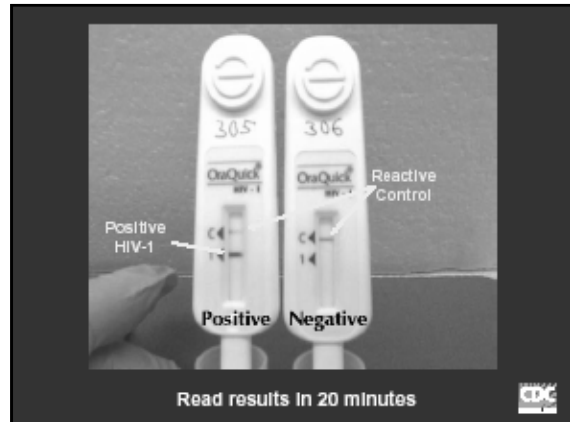
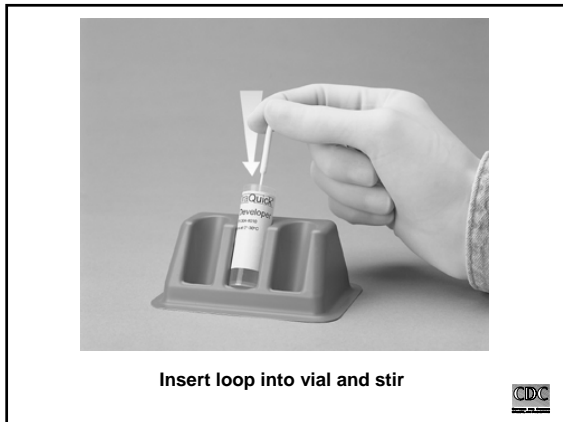


Obtain fingerstick blood specimen



Specimen loop with 5 microliters blood





Students should assume everyone they date might be infected with HIV

- ### The benefits of testing with OraQuick
- Testing helps stop the spread of HIV
 - Testing and treatment help stop the progression of AIDS
 - Rapid results facilitate patient awareness of HIV status
 - Pregnant women
 - HIV positive
 - Health care workers

- ### What you need to know in addition as nurses
- OraSure, OraQuick and blood test are detecting antibody to HIV
 - In neonates the presence of antibody could mean exposure to HIV, but not infection with HIV. Maternal antibodies may persist for up to 6 months
 - Absence of antibodies is not proof of absence of infection or incapability of transmitting HIV. Antibody response to recent exposure may take several months to develop. "seroconversion"

- ### What you need to know in addition as nurses
- In the United States we typically test for HIV-1 antibodies. A closely related but distinct type of pathogenic human immunodeficiency retrovirus is HIV-2.
 - HIV-2 has been isolated in West African patients with AIDS. Get a history!

Questions: 1987

- Should...
 - persons attending STD clinics have a test for HIV antibody?
 - persons attending drug treatment programs have a test for HIV antibody?
 - the sexual partners of people with HIV infection be notified about their potential exposure and tested and counseled?

Questions: 1987

- Should...
 - persons attending family planning services have a test for HIV antibody?
 - pregnant women have a test for HIV antibody as early in pregnancy as possible?
 - HIV antibody testing be a routine part of a premarital testing program?
 - Every patient admitted to a hospital be tested for HIV antibody?

Questions: 1987

- How...
 - Can HIV antibody test results be used for appropriate medical and public health purposes without their being used for discrimination of social ostracism?

1989 Recommendation

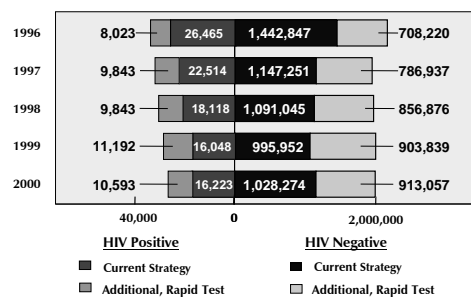
- No positive test results should be given to clients/patients until a screening test has been repeatedly reactive (i.e., two or more tests) on the same specimen, and a supplemental, more specific test such as the Western blot has been used to validate those results.

Proportion of persons who do not return for their HIV test results

	<u>HIV Positive</u>	<u>HIV Negative</u>
1995	25%	33%
1996	26%	33%
1997	33%	42%
1998	38%	44%
1999	43%	48%
2000	42%	47%

Source: CDC Client Record Database, Publicly-funded HIV testing

What if rapid HIV tests were used in all public testing sites?



1998 Recommendation

- Health care workers should provide preliminary positive rapid test results before confirmatory results are available in situations where tested persons benefit.

Contact Information

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