

NORTHWEST AIDS EDUCATION AND TRAINING CENTER

Home HIV Testing

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Rationale for Home HIV Testing

HIV epidemic in U.S.

1.2 million people living with HIV

~20% unaware Of HIV status

Are responsible for ~50% new infections

Why Is Testing Important?

Learning HIV status leads:

- decreased risk behaviors
- decreased infectiousness
 with ARVs

Increase:

How to ↑Testing?

- access to tests
- types of tests



Home Access Home collection kit

Approved in 1996

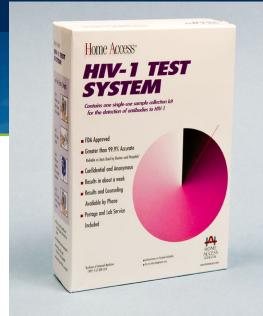
 174,316 tests
 called for results:
 tested HIV+

97% 0.9%

Behavioral data (44%)

no prior test: 58%

HIV+/no prior test: 49%





Home use HIV tests

Possible benefits

Possible risks

test misinterpretation

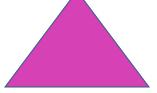
"point of sex" testing

↓ post-test counseling

delayed linkage to care

↓ STI screening

more timely diagnosis





OraQuick In-Home HIV Test - Contents





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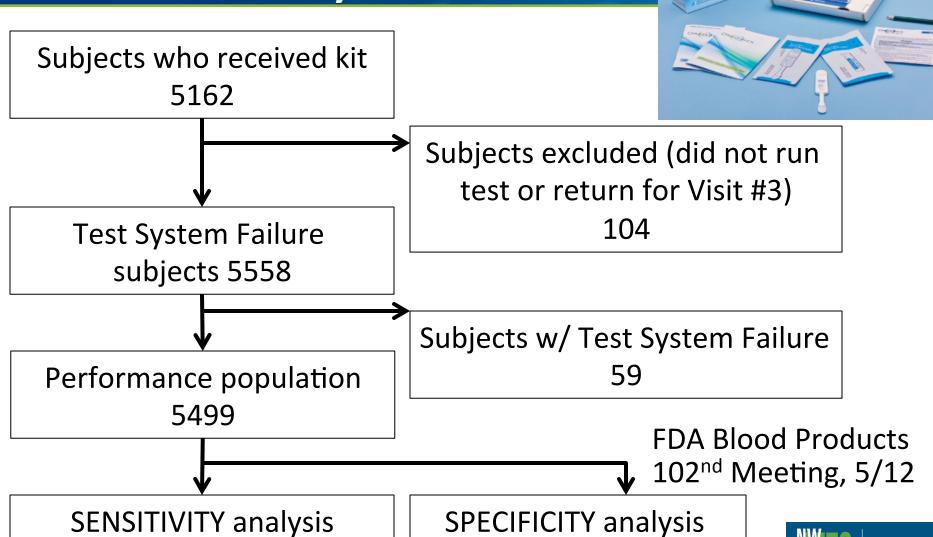


OraQuick In-Home HIV Test Phase III study results

114 (2.0%)



ech•



5385

OraQuick In-Home HIV Test Phase III study results

5162 subjects received kit 102 tested HIV+ by EIA



SENSITIVITY

96 tested HIV+ by EIA 88 self-test + → **91.7%** 95% CI 84.2-96.3%

SPECIFICITY

4903 true negative 4902 self-test - → 99.98% 95% CI 99.9-100%



FDA-approved July 3, 2012

- Rapid HIV antibody test
- Performed on oral fluids
- Read in 20-40 minutes
- 3 month window period
- Approved for ages 17 and older
- Available for \$39.99 online and in pharmacies
- 24/7 contact line for questions and referrals



OraQuick In-Home HIV Test How will it be used?

www.oraquick.com para más

información.

When should I use this test?

There is usually about 3 months between when you get HIV and when tests can detect it. This test detects HIV infection if used 3 months after a risk event. Using this test earlier than 3 months since a risk event may not produce an accurate result. If you test within the first 3 months, please test again after 3 months have passed. A "risk event" is defined by any of the below list of activities:

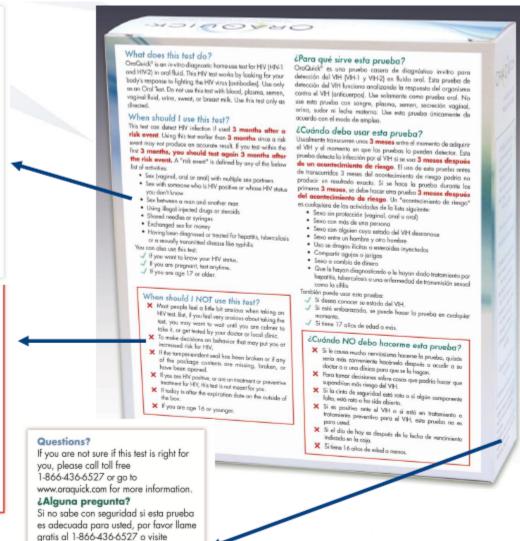
- Unprotected sex (vaginal, anal or oral)
- Sex with multiple partners
- · Sex with someone whom you did not know their HIV status
- A man who had sex with another man
- Injected drugs or steroids, or shared needles or syringes
- Exchanged sex for money
- Been diagnosed or treated for Hepatitis, Tuberculosis or a sexually transmitted disease like Syphilis

You can also use this test:

- If you want to know your HIV status.
- If you are pregnant, test anytime.
- If you are age 17 or older.

When should I NOT use this test?

- Most people feel a little bit anxious when taking an HIV test. But, if you feel very anxious about taking the test, you may want to wait until you are calmer to take it, or get tested by your doctor or local clinic.
- To make decisions on behavior that may put you at increased risk for HIV.
- If the tamper-evident seal has been broken or if any of the package contents are missing, broken, or have been opened.
- If you are HIV positive, or are on treatment or preventive treatment for HIV, this test is not meant for you.
- If today is after the expiration date on the outside of the box.
- If you are age 16 or younger.





Home testing: Unanswered questions

Will...

- people use a home test?
- more people test/test more?
- home tests delay linkage to care?
- sex partners test together?
- "point of sex" testing increase HIV transmission?





Study Design & Methods



The iTest Study: Objectives



Primary Objectives

1) Test frequency in subjects randomized to:

self-testing OR

standard clinic-based testing

2) Differences in sexual behavior

Secondary Objectives

STI acquisition, accuracy, acceptability, ease of use



The iTest Study: Key points



246 subjects followed for 15 months

In-person training

Given one kit at a time

Additional kits mailed as necessary

Taken off study if kit used on someone else

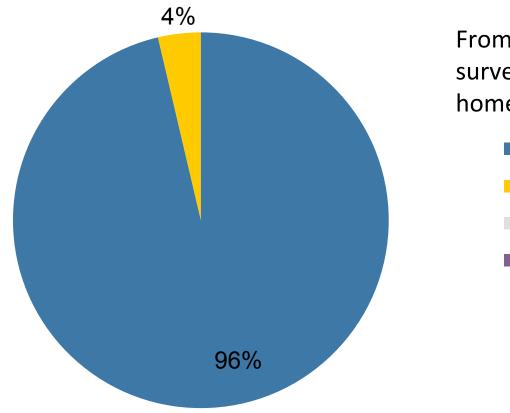
24-hour contact line



The iTest Study: Ease of Use



How easy was it to use the home self-testing kit?



From 109 post-testing surveys reporting home self-testing:

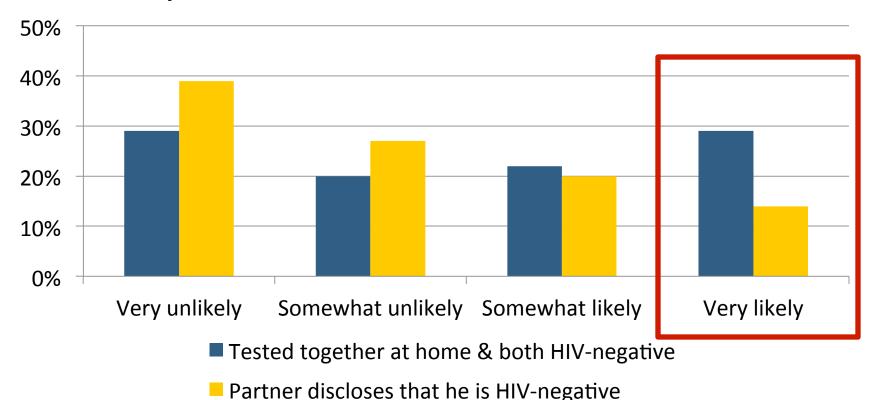
- Very easy
- Somewhat easy
- Somewhat hard
- Very hard



The iTest Study: Point of sex testing?



Likelihood of unprotected anal sex with a new sex partner based on how HIV status was learned





The iTest Study: Partner testing case report



27yo MSM <u>not in our study</u> sought confirmatory testing at PHSKC STD clinic for a reactive home test.

2mo prior, he had UAI with a study subject.

After sex, the subject offered to test him.

The case had a reactive test.

GOOD: accurate

subsequent condom use

BAD: did not get confirmatory testing

delayed entry to care

no PEP for our subject



Background PHSKC Pooled HIV NAAT Program

MSM screened by POC test (Sep 03-Dec 10), n=16,049

	# HIV-positive		Cumulative HIV-positive	Cumulative "Sensitivity"
OraQuick	314	(2.0%)	314	77%
EIA	40	(0.3%)	354	87%
NAAT	52	(0.3%)	406	100%



Consequences of home tests replacing clinic tests?

