

Background

I Want the Kit (IWTK) is an internet program that tests for chlamydia, gonorrhea, and trichomonas from self-collected genital and rectal swabs. The IWTK website has an educational component that informs users about sexually transmitted infections (STIs) and uses a quiz for sexually active people to estimate their risk of having an STI.

Methods

- From November 2010 through April 2014, IWTK asked its users to take a six-question quiz.
- From November 2010 through August 2013, the quiz was voluntary.
- Beginning in August 2013, the quiz was required of users who requested a kit and completed the online order process.
- Points are assigned to the responses for each question, and scores are calculated.
 - Are you \leq 25 years old? “Yes” = 1 point. “No” = 0 points.
 - Have you had a new sex partner, or multiple partners, in the last 90 days? “Yes” = 1 point. “No” = 0 points.
 - Do you have more than one current sex partner at the present time? “Yes” = 1 point. “No” = 0 points.
 - Have you ever been told you had, or been treated for, and STI in the past? “Yes” = 1 point. “No” = 0 points.
 - How many sex partners have you had in the last 90 days? “10 or more” = 3 points. “5-9” = 2 points. “2-4” = 1 point. “0-1” = 0 points.
 - When you have sex, do you use a condom? “Never” = 3 points. “Sometimes” = 3 points. “Always” = 0 points.



A score of 7-10 is considered very high risk.
 A score of 4-6 is considered high risk.
 A score of 2-3 is considered intermediate risk.
 A score of 0-1 is considered low risk.

https://www.iwantthekit.org/



Results

- 1613/2989 females (53.9%) and 1080/1961 males (55.1%) who returned genital kits for testing provided risk scores.
- Of females, 21.3% were very high risk, 60.1% were high risk, 14.1% were intermediate risk, and 4.5% were low risk.
- Of males, 22.6% were very high risk, 51.3% were high risk, 19.1% were intermediate risk, and 7.0% were low risk.
- Females were more likely to report higher risk than males ($p < 0.001$).
- Of very high risk females, 19.2% were infected with chlamydia, gonorrhea, and/or trichomonas. 12.1% of high risk females, 7.5% of intermediate risk females, and 6.9% of low risk females were infected.
- Of very high risk males, 10.2% were infected with chlamydia, gonorrhea, and/or trichomonas. 6.5% of high risk males, 5.3% of intermediate risk males, and 2.6% of low risk males were infected.
- There was a higher infection rate in females than in males in the very high risk group (19.2% vs 10.2%, $p = 0.003$), and in the high risk group (12.1% vs 6.5%, $p < 0.001$).

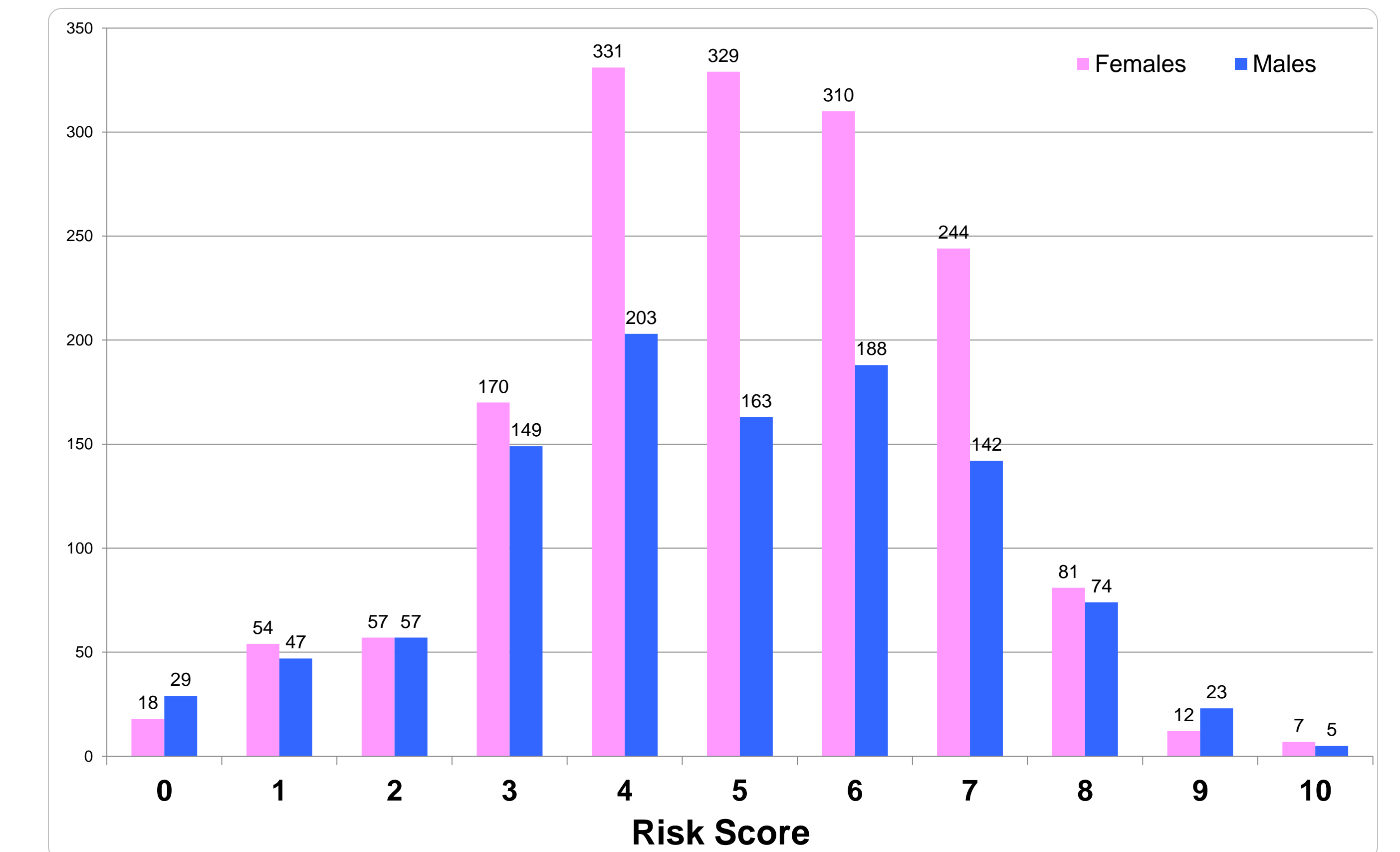
Acknowledgements

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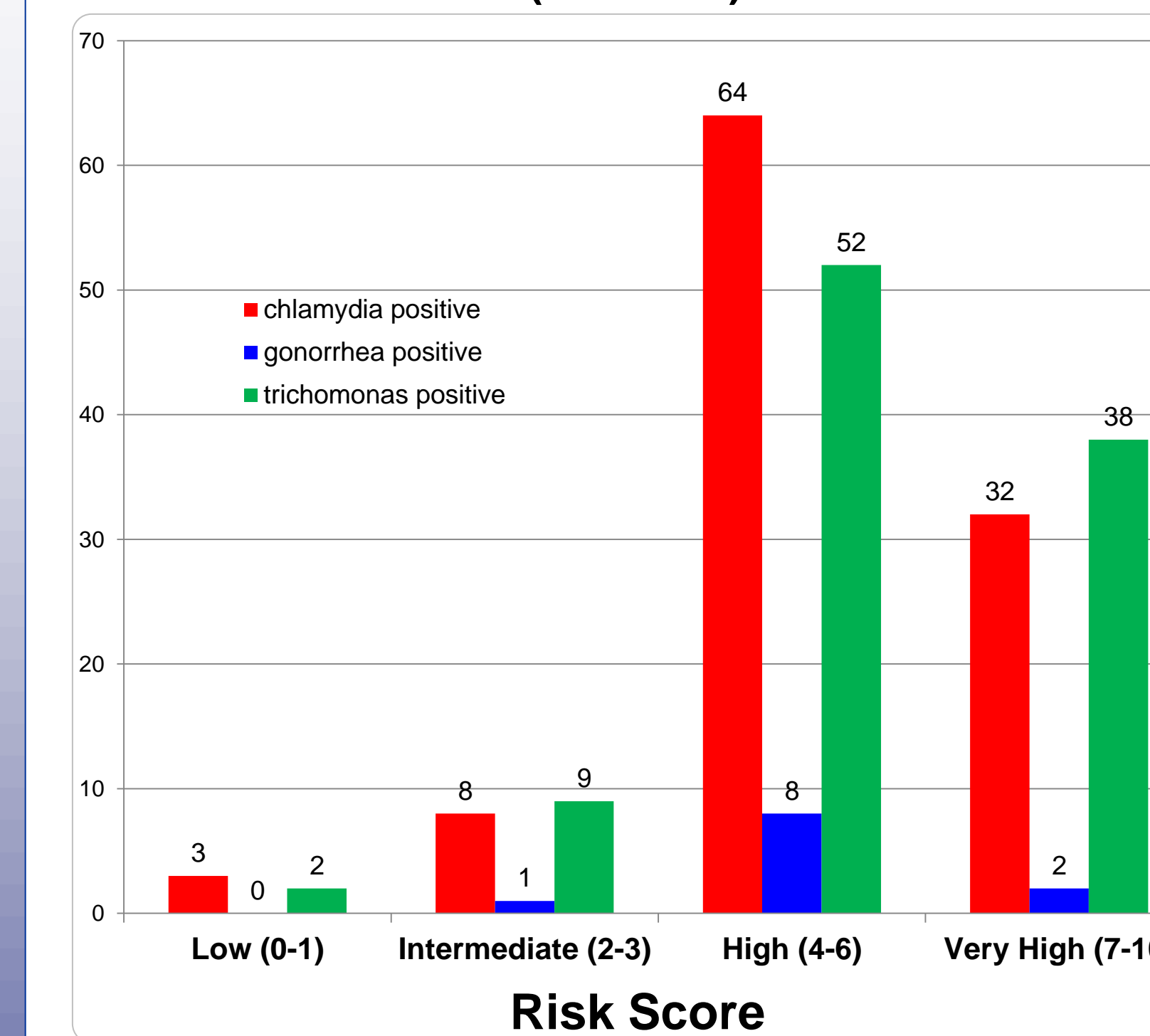


Results

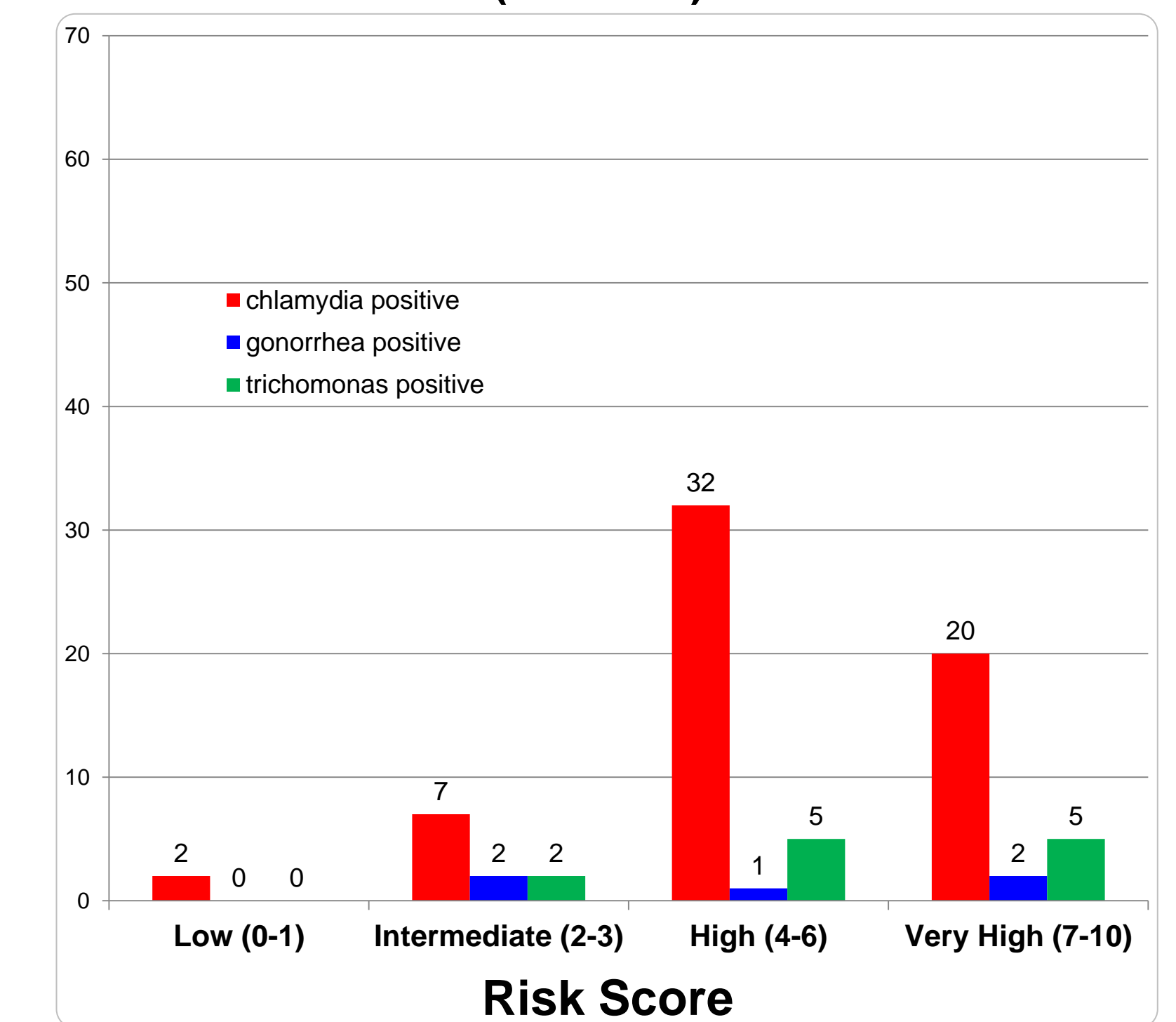
Returned GENITAL Kits with Risk Scores – Females (N = 1613) vs Males (N = 1080)



Positive Results Female GENITAL Kits with Risk Scores (N = 1613)



Positive Results Male GENITAL Kits with Risk Scores (N = 1080)



Conclusions

- Risk scores may predict the likelihood of a person having a sexually transmitted infection.
- The score may help an IWTK user decide whether to order a test kit.