

Homework due Tuesday September 26

1. Interstitial cystitis (IC) is a condition resulting in recurring discomfort or pain in the bladder or surrounding pelvic region. A new method to detect IC is being developed here at UW. To evaluate this method, 1000 patients known to be IC positive were recruited and 800 patients known to be IC negative were recruited. Each of the 1800 patients was tested with the new method. 867 of the 1000 truly positive patients tested positive; 85 of the 800 truly negative patients tested positive.

a. What is the sensitivity of this new method ?

b. What is the specificity of this new method ?

c. Using the fact that the prevalence of IC is 0.01, calculate the positive predictive value of the test.

And from your text: 3.57-3.62, 5.78-5.80, 5.102-5.103

Recommended from your text (do not turn in): 3.17-3.28, 5.46-5.50