Lecture 7a: Practice Problems

John McGready
Johns Hopkins University
A study was performed on a representative sample of 258 intravenous drug users (IVDUs).

Of particular interest to the researchers were factors which may influence the risk of contracting tuberculosis amongst IVDUs.*

Ninety-seven of the study subjects admitted to sharing needles to shoot drugs.

Of these ninety-seven, twenty-four had a positive tuberculin test result.

The other 161 subjects denied having shared needles—of these 161 subjects, 28 had a positive tuberculin test result.

Practice Problems

- Using these study results, construct a 95% confidence interval for the difference in the proportion of tuberculosis infected IVDUS who shared needles as compared to IVDUS who did not share needles.