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Lecture 6a: Practice Problems

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Practice Problems

- 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