Department of Mathematics and Statistics

Colloquium

Tuesday   November 19

AMB 164   4:00 - 5:00 pm

Measuring Hospital Acquired Infection Rates Under Incomplete Sampling

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Abstract

Hospital acquired infections (HAI) occur when a patient contracts a disease in a hospital or healthcare setting. Ideal monitoring of HAI is would include genotyping each case, but that is prohibitively expensive. We examine the effects of genotyping a random subset of cases and demonstrate that the naive estimator is strongly biased and examine alternative approaches.

Refreshments at 3:45