

Department of Decision Sciences

Statistics Seminar

## An introduction and some recent developments in statistical methods for population-based cancer survival analysis

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### **Abstract**

After introducing the field of population-based cancer survival analysis and its role in cancer control I will introduce the concept of relative survival and why it is often preferred over cause-specific survival for the study of cancer patient survival using data collected by population-based cancer registers. I will briefly mention some recent developments in methods for studying cancer patient survival, such as cure models (also known as split-population models), flexible parametric models, and estimating survival in the presence of competing risks. The presentation is aimed at researchers without a background in mathematical statistics although I may go into a mathematical details on a small number of slides.