

Improving Dynamic Predictions from Joint Models using Time-Varying Effects

Eleni Rosalina Andrinopoulou & Dimitris Rizopoulos

July 31, 2017

Learning-Health System for Prostate Biopsies

- Screening has resulted in an increase in the number of newly diagnosed prostate cancers
- Up to 80% of men with PSA screen-detected prostate cancer are over-diagnosed
- Current treatments have a number of side effects
 - intervention should be restricted to those who need it

