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Breast Cancer in British Columbia - Identification of High Risk Women Based on Breast Cancer Risk Modelling

Although there are many known factors associated with an increased risk of breast cancer, currently, age remains the only eligibility criterion for the Screening Mammography Program of BC. Using five year follow-up data of 220,000 SMP BC participants, we aim to identify women at high risk of breast cancer and create a personalized access criterion to earlier breast screening. We evaluated the discriminatory performance of the existing Gail et al. breast cancer risk model for the BC population. Accounting for well-established risk factors, we estimate survival probabilities as a basis for improved outcome stratification of the population.