Development of Breast Cancer Risk Prediction Model

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Purpose. To develop a robust model to predict breast cancer risk for an individual woman interested in her risk for developing breast cancer. The risk prediction models most widely used in breast cancer research and in clinical and genetic counseling are the Gail model\textsuperscript{1}, the Claus model\textsuperscript{2}, and the BRCA\textsuperscript{3,4}. The former two were developed to estimate the risk of developing breast cancer, and the latter was developed to estimate the probability of being a carrier of BRCA1/2 mutations. Our goal is to provide a more comprehensive model of developing breast cancer—one that incorporates the latest information concerning risk factors.

Methods. We reviewed the available literature as reported on National Cancer Institute PDQ Web site\textsuperscript{5}. We combined the findings of the various studies using regression models.

Results. We will report progress in developing this model.

References


