

PREDICT is a free computer program available on the internet. Developed by teams from both the NHS and University of Cambridge, it is designed to help patients and specialists decide on the ideal course of treatment following breast cancer surgery.

There are several different types of breast cancer. Extensive research involving thousands of women has shown that a wide variety of factors affect each person's response to treatment. How each factor is related and how they contribute to the success of treatment is not yet fully understood.

As we are all slightly different, the answers from PREDICT can only be an estimate based on current knowledge, but there is enough information from successfully treated patients to allow a very good estimate as to how any one woman may respond.

PREDICT compares your own information with this knowledge base, the answers letting you know of additional treatments you could pursue. You can also share these results with your specialist.

PREDICT does not need any personal clinical information and no details about you are collected.

For more information contact:

Eastern Cancer Registry
and Information Centre

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Working together:

ecric
Fighting cancer with information

Cambridge University Hospitals **NHS**
NHS Foundation Trust

NHS
**National Institute for
Health Research**

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www.predict.nhs.uk

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An online resource for Patients,
Public and Professionals

www.predict.nhs.uk



WHO DEVELOPED THE PREDICT PROGRAMME?

PREDICT has been developed by a partnership between *The Breast Unit at Cambridge University NHS Hospital*, the *University of Cambridge Department of Oncology* and the *NHS Eastern Cancer Registry and Information Centre (ECRIC)*.

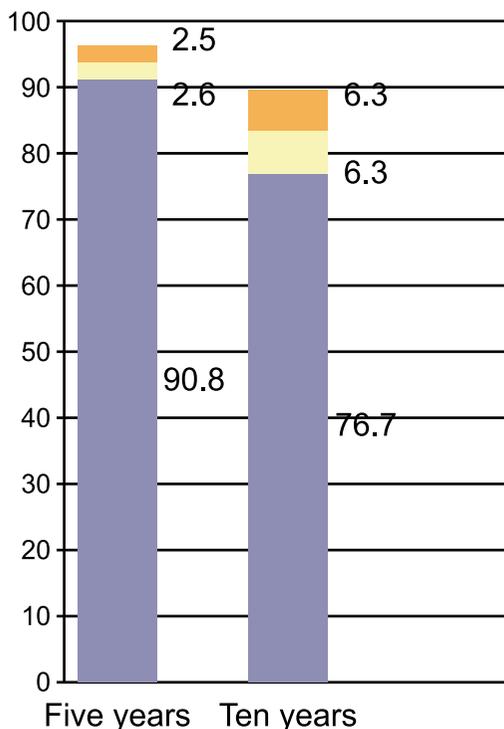
DOES PREDICT NEED TO KNOW ABOUT MY PERSONAL MEDICAL INFORMATION?

The *PREDICT* website only needs to know your age, the type of cancer you have (the histopathology) and how it presented. No personal information is collected or stored. If you do not have this information you should ask your specialist.

HOW WAS THE COMPUTER PROGRAMME DEVELOPED?

The team used information held by ECRIC on nearly 5,700 women treated for breast cancer between 1999 and 2003. Using this information—which is probably the best quality information on patients treated with breast cancer in England—we were able to see how individual factors affected survival at five years and ten years.

Overall survival at five and ten years (percent)



- Additional benefit of adding adjuvant chemotherapy to adjuvant hormone therapy
- Benefit of adjuvant hormone therapy
- Survival with no adjuvant treatment

Five year survival

91 out of 100 women are alive at 5 years with no adjuvant therapy after surgery
An extra 3 out of 100 women treated are alive because of hormone therapy
An extra 2.5 out of 100 women treated are alive because of hormone therapy & chemotherapy

Ten year survival

77 out of 100 women are alive at 10 years with no adjuvant therapy after surgery
An extra 6 out of 100 women treated are alive because of hormone therapy
An extra 13 out of 100 women treated are alive because of hormone therapy & chemotherapy

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HOW DO I KNOW THAT PREDICT GIVES THE RIGHT ANSWERS?

Every effort has been made to make sure that *PREDICT* gives the correct answer based on current knowledge. Our findings are based on women treated in the East of England, but tests show that we get the same results on nearly 5,500 women treated in the West Midlands. To the best of our knowledge the *PREDICT* tool works equally well for all women in the UK. The theory behind *PREDICT* and the results were presented to leading breast cancer clinicians from across the world at the *32nd Annual San Antonio Breast Cancer Symposium* in 2009 at San Antonio, Texas USA. A scientific paper has also been reviewed by international scientists and clinicians and was published in *Breast Cancer Research* in January 2010.

WHERE CAN I FIND MORE INFORMATION ON BREAST CANCER?

There is a great deal of excellent information on Breast Cancer on the internet. The information provided by Cancer Research UK (cancerresearch.org) is written by experts, up-to-date and presented in a style that is easy to understand. Your specialist, along with others involved in your care, will also be able to help you find useful information.