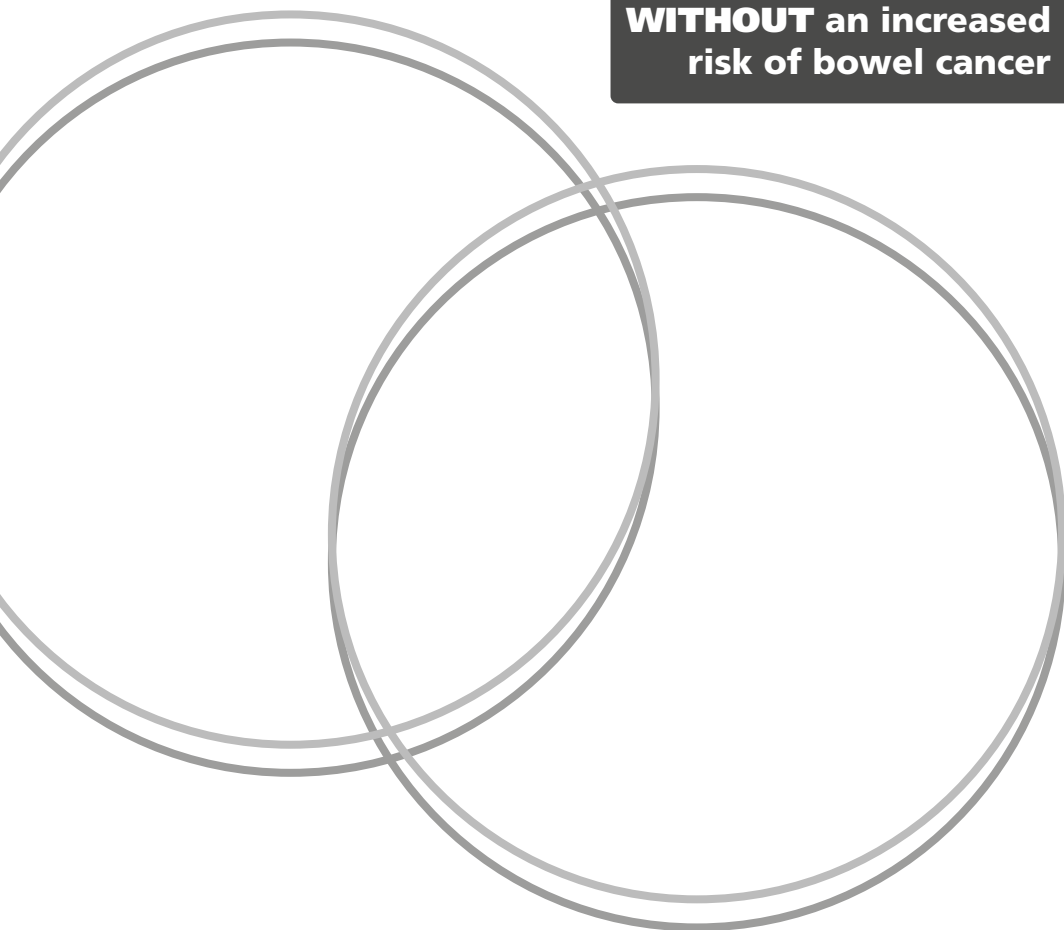




Oxford University Hospitals
NHS Foundation Trust

Family History of Bowel Cancer

Information for people
WITHOUT an increased
risk of bowel cancer



Oxford Centre for Genomic Medicine

Bowel cancer in the family – what does this mean for me?

Bowel cancer is a fairly common type of cancer. Many of us will know someone who has had bowel cancer or have a relative with bowel cancer.

This leaflet aims to answer some of the questions you may have about your family history of bowel cancer. You may have had cancer yourself. If you have, this leaflet may be relevant to your family members.

How common is bowel cancer?

In the UK, bowel cancer is the 3rd most common type of cancer. It affects about 1 person in 20 (both men and women). However, most people who get bowel cancer do so at older ages. Most of those cancers occur due to chance. Most people who develop bowel cancer will not have an 'inherited' type of bowel cancer. Only about 5% of bowel cancer is inherited.

How do we recognise inherited bowel cancer?

It is rare to have an inherited tendency to develop cancer. We only suspect an inherited tendency in families where:

- several close relatives on the same side of the family have had bowel cancer or related cancers. This may include womb, ovarian, stomach or kidney cancer.
- someone has had bowel cancer at a young age (below the age of 50).
- someone has had more than 1 of these types of cancer.
- someone has had lots of bowel polyps.

In families like this, there may be an altered gene which means that people are more likely to develop bowel cancer than usual. These genes can be passed down from one generation to the next. We can sometimes offer these families a genetic test.

Is the cancer in my family inherited?

When we look at your family history we look at the number of relatives who have had cancer, their ages, and when they developed it. Cancers occurring at older ages are less likely to be inherited. The types of cancer relatives have had are also important as only certain types of cancer are related to each other. Many cancers, such as lung cancer and cervical cancer are usually due to environmental rather than genetic effects.

From the information you have given us, the cancers in your family are unlikely to be due to an inherited tendency. It is more likely that the cancers in your family occurred due to chance.

This may be because you only have 1 or 2 relatives who have had cancer or because the cancers have occurred at older ages. If the cancers in your family are in more distant relatives, the risk for you is less likely to be increased, especially if your close relatives have not developed any cancer.

Can I have a genetic test?

As the cancers in your family are very unlikely to be inherited, genetic testing is not likely to be helpful in your family.

Is my risk of developing cancer increased?

Based on the information you have provided, your risk of developing bowel cancer during your lifetime is not significantly increased. Your risk is unlikely to be very different from that of anyone else in the general population. The population risk is 1 in 20 (or 5%).

Should I be having any extra bowel screening?

No. People without an increased risk do not need to have extra bowel screening but should still take part in the population screening programme for bowel cancer.

Colonoscopy can very occasionally have serious side-effects such as bleeding or damage to the bowel. For this reason bowel screening is only offered to people who have an increased risk, or to people with symptoms.

What symptoms should I look for?

You should be aware of any persistent unexplained tiredness or any unusual bowel symptoms. These might include blood in your stools, passing mucus, unexpected weight loss or persistent change in bowel habits.

You should see your GP for further advice if you have any of these symptoms. You should make your GP aware of the family history and may wish to take this leaflet with you.

What should I do if someone else in my family gets cancer?

If anyone else in the family develops any cancers or polyps please let us know. This may not alter your risk of developing cancer. However, it is important that you check with us that this does not change our advice.

What can I do to reduce my risk?

A balanced diet, with lots of fresh fruit, vegetables and wholegrains can reduce the risk of bowel cancer. Eating less red meat (beef, pork and lamb) and less processed food is recommended. Taking regular exercise, keeping a healthy weight, stopping smoking and limiting alcohol intake is recommended in line with general health advice.

Is there screening for the general population?

A balanced diet, with lots of fresh fruit, vegetables and wholegrains can reduce the risk of bowel cancer. Eating less red meat (beef, pork and lamb) and less processed food is recommended. Taking regular exercise, keeping a healthy weight, stopping smoking and limiting alcohol intake is recommended in line with general health advice.

There is a new NHS national bowel screening programme offered every two years to everyone between the ages of 60-74. A kit is sent out in the post for you to take a small sample of your stools. The sample is posted back and is tested for any signs of blood. If there is any bleeding, you would be offered further tests to check for any problems. An additional test called bowel scope test is gradually being offered to all men and women aged 55. It involves using a thin, flexible instrument to look inside the lower part of the bowel for polyps or cancer.

What about my children?

If you remain healthy and cancer free it is unlikely that your children's risk of bowel cancer will be increased. However, they may wish to look into this around the age of 30 to find out more about their risk. They can contact us to discuss this or ask their GP to refer them to their local genetics centre. We can share the information we have with their genetics centre if you wish.

If you need more advice please contact:

Oxford Centre for Genomic Medicine

ACE building (Room 33G16)
Nuffield Orthopaedic Centre
Oxford University Hospitals NHS Foundation Trust
Windmill Road
Headington
Oxford
OX3 7HE

Telephone: **01865 226 034**

Email: orh-tr.churchill-clinicalgenetics@nhs.net

Website: www.ouh.nhs.uk/clinical-genetics

Further Information

Cancer Research

www.cancerresearchuk.org

Macmillan

www.macmillan.org.uk

Further information

If you would like an interpreter, please speak to the department where you are being seen.

Please also tell them if you would like this information in another format, such as:

- Easy Read
- large print
- braille
- audio
- electronic
- another language.

We have tried to make the information in this leaflet meet your needs. If it does not meet your individual needs or situation, please speak to your healthcare team. They are happy to help.

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www.ouh.nhs.uk/information

This leaflet is based, with permission, on a leaflet produced by the Oxford Centre for Genomic Medicine



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