

What is cancer?

Cancer is a disease of the body's cells. It starts in our genes. Our bodies are constantly making new cells to allow us to grow, replace worn-out cells, or heal damaged cells after injury.

The process of making new cells is controlled by certain genes – the codes that tell our cells how to grow and behave. Cancers are caused by damage to these genes. These changes usually happen during our lifetimes.

In a very small number of families, damaged genes are passed through generations. While these people will have an increased risk of developing cancer, it does not mean they will definitely get cancer.

How cancer starts

Tumours can be benign (not cancerous) or malignant (cancerous). Benign tumours do not spread to other parts of the body.



How cancer spreads

A malignant tumour is made up of cancer cells. When it first develops, a malignant tumour is usually confined to its original site. This is known as the primary site. Some tumours can become quite large within their organs of origin, for example the lung or breast. With growth, the tumour may spread beyond the original organ boundaries and into surrounding tissues. This is called locally advanced cancer.

Sometimes cells move away from the original (primary) cancer through the bloodstream or lymphatic systems and start to grow in other body organs. When these cells reach new sites, they may form more lumps or masses. This is called advanced cancer, secondary cancer, metastatic cancer or stage 4 (IV) cancer. For example, if lung cancer spreads to the bone, it is called lung cancer with bone metastasis.

If the only place of spread is nearby lymph nodes, it is called regional nodal spread. Your cancer doctor will still refer to it as lung cancer even though it has spread to another part of your body.

The sort of treatment you are offered for cancer will depend on the type of cancer, where it began, and whether it has spread. Your cancer doctor will also take into account other things about you, such as your age and general health.

Treatment for cancer includes surgery, radiation treatment, chemotherapy, immunotherapy, targeted treatments, hormone treatments and palliative care.

Sometimes only one of these types of treatment is used for a cancer. Sometimes more than one is used.



How cancer spreads

Suggested websites

You may be interested in looking for information about head and neck cancer on the internet. While there are very good websites, be aware that some websites may provide incorrect information.

We recommend that you begin with the Cancer Society's website (www.cancer. org.nz) and use our links to other good cancer websites, or visit the following websites:

Changing Faces changingfaces.org.uk

Head and Neck Cancer Alliance headandneck.org

Head and Neck Cancer Australia headandneckcancer.org.au

Head and Neck Cancer Support Aotearoa

Head and Neck Cancer Support Network headandneck.org.nz

NZ Relay nzrelay.co.nz

The suggested websites are not maintained by the Cancer Society of New Zealand. We only suggest sites we believe offer credible and reliable information, but we cannot guarantee that the information on these websites is correct, up-to-date or evidence-based medical information.

Suggested resources

Information sheets

Applying to work and income

Benefits and entitlements

Cancer and insurance, employment and legal issues

Coping with waiting

Healthy eating and cancer treatment

Making decisions about treatment

Searching the internet

Sex and cancer

Spirituality, wairuatanga and cancer

Supporting young adult children when you have cancer

Telling others about your diagnosis

Your cancer treatment team

Booklets

Cancer in the Family

Eating Well with Cancer

Emotions and Cancer

Sex and Cancer

Supporting Someone with Cancer

Cancer Society information and support services

The Cancer Information Helpline is a Cancer Society phone line where you can talk about your concerns and needs with trained health professionals. Phone the Cancer Information Helpline (0800 CANCER 226 237).

Your local Cancer Society offers a range of services for people with cancer and their families/whānau. These may include:

- information and support
- volunteer drivers providing transport to treatment
- accommodation while you are having treatment away from home.

The range of services offered differs in each region, contact your local Cancer Society to find out what is available in your area.

Auckland/Northland

Auckland

09 308 0160 Domain Lodge 1 Boyle Crescent Grafton

Whangarei

09 437 5593 Daffodil House 73 Kamo Road Kensington

information@akcansoc.org.nz Northland@akcansoc.org.nz

Central Districts

Palmerston North 06 356 5355 Young House (District office) 127 Ruahine Street

Whanganui 06 348 7402

3 Koromiko Road

New Plymouth

06 757 3006 TSB Cancer Support Centre 71 Lorna Street Westown

Gisborne

06 867 1795 Morris Adair Building Gisborne Hospital

Hastings

06 876 7638 310 Orchard Road

Palmerston North

06 356 355 Addis House 135 Ruahine Street

Waikato/Bay of Plenty

Hamilton

07 838 2027 or 0800 22 77 44 Divisional Office (Hamilton) 511 Grey Street admin@cancersociety.org.nz

Rotorua

07 349 4556 or 0800 22 77 44 1235 Ranolf Street rotorua@cancersociety.org.nz

Tauranga

07 571 2035 or 0800 22 77 44 111 Cameron Road tauranga@cancersociety.org.nz

Wellington

Wellington 04 389 8421 52-62 Riddiford Street

Paraparaumu

04 298 8514 27 Kāpiti Road

Masterton

06 378 8039 37 Te Ore Ore Road

Nelson 03 539 1137 102 Hardy Street

Blenheim

03 579 4379 The Forum Building Market Street

info@cancersoc.org.nz

Canterbury-West Coast

Christchurch 03 379 5835 74 Langdons Road

Greymouth 03 768 9557 98 High Street

Timaru 03 688 0124 32 Memorial Avenue

Rolleston 03 925 9708 6B Kidman Street

Ashburton 03 307 7691 122 Kermode Street

contact@cancercwc.org.nz info@cancercwc.org.nz

Otago and Southland

Dunedin 03 477 7447 283 Great King Street SupportiveCare@cansoc.org.nz

Oamaru 03 434 3284 or 027 674 4200 Waitaki District Community House 100 Thames Street

Balclutha 03 418 3916 or 027 277 7632 Arcade 84 5/37 Clyde Street

Alexandra

03 440 0754 or 027 580 0640 Alexandra Community House Office 14-20 Centennial Avenue

Wanaka

Wanaka Community House 40 McDougall Street

Queenstown

03 442 4281 or 027 536 0066 112B Aurum House 1092 Frankton Road

Southland 149 Spey Street

Invercargill 03 218 4108

National Office

04 494 7270 39 The Terrace Wellington admin@cancer.org.nz

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