

Who is Leukaemia & Myeloma Research UK (LMRUK)?

LMRUK is a blood cancer research charity dedicated to protecting future generations from the disease by investing in specialist research into stem cell therapies as a more effective treatment.

The charity raises awareness and educates people on the common signs and symptoms of blood cancer, and the different treatments available.

LMRUK also offers a cord blood banking service called the Model Cell Biobank, which gives qualifying families the opportunity to bank their newborn baby's umbilical cord blood stem cells through the part-funded and fully-funded service.

Blood cancer is the **5th** most common cancer in the UK



Symptoms

Symptoms of blood cancer can vary according to the type of cancer. However, the most common symptoms include:



Fatigue



Swollen lymph glands in the neck, armpit or groin



Easy bruising or bleeding



Fevers and sweats



Itchy skin



Frequent infections



Weight loss



Bone Pain

Treatments available

- **Chemotherapy** - drugs that directly kill cancer cells by interrupting their growth.
- **Immunotherapy** - drugs used to directly target cancer cells and help the immune system to fight them.
- **Radiation therapy** - ionising radiation is used to kill rapidly growing cells.
- **Targeted molecular therapies** - drugs designed to directly target the genetic mutations and disordered DNA responsible for causing blood cancers. It is hoped that targeted therapy will replace chemotherapy and radiotherapy with a personalised approach targeting an individual's own cancer.

- **Stem cell transplants** - high doses of chemotherapy and/or radiotherapy are administered to kill cancerous blood cells, but also destroy the body's normal blood and bone marrow stem cells at the same time. A stem cell transplant is given to encourage the production of new blood cells.

More than **240,000** people are living with blood cancer in the UK



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