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Li-Fraumeni Syndrome (LFS)

Li-Fraumeni (LFS) is a rare inherited syndrome that can lead to an increased risk of several types of cancer. It is also called the sarcoma, breast, leukemia, and adrenal gland (SBLA) cancer syndrome. Li-Fraumeni syndrome is hereditary, meaning that it is caused by a change (mutation) in a gene that can be passed down in families.

- [What causes Li-Fraumeni syndrome?](#)
- [How is Li-Fraumeni syndrome diagnosed?](#)
- [Why is it important to know if you have Li-Fraumeni syndrome?](#)

People with Li-Fraumeni syndrome (LFS) have an increased risk of several types of cancer, including:

- [Osteosarcoma](#)¹
- [Soft-tissue sarcomas](#)²
- [Leukemia](#)³
- [Brain \(central nervous system\) tumors](#)⁴
- [Adrenal cortex](#)⁵
- [Breast](#)⁶
- [Gastrointestinal cancers](#)
- [Melanoma](#)⁷

These cancers often develop in relatively young adults or even children.

What causes Li-Fraumeni syndrome?

This syndrome is most often caused by an inherited mutation in the *TP53* gene, which is a _____

It might affect your family members

If you have a *TP53* mutation, some of your blood-related family members might have it, too. Talk to your close relatives (parents, siblings, and children) about getting tested for Li-Fraumeni. If they prefer to not get tested, they may want to start screening for certain cancers early or take other precautions to lower their risk of cancer.

Hyperlinks

1. www.cancer.org/cancer/types/osteosarcoma.html
2. www.cancer.org/cancer/types/soft-tissue-sarcoma.html
3. www.cancer.org/cancer/types/leukemia.html
4. www.cancer.org/cancer/types/brain-spinal-cord-tumors-adults.html
5. www.cancer.org/cancer/types/adrenal-cancer.html
6. www.cancer.org/cancer/types/breast-cancer.html
7. www.cancer.org/cancer/types/melanoma-skin-cancer.html
8. www.cancer.org/cancer/understanding-cancer/genes-and-cancer/oncogenes-tumor-suppressor-genes.html
9. www.cancer.org/cancer/risk-prevention/genetics/genetic-testing-for-cancer-risk.html
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11. www.cancer.org/cancer/managing-cancer/treatment-types/radiation.html
12. www.cancer.org/cancer/risk-prevention/diet-physical-activity/body-weight-and-cancer-risk.html
13. www.cancer.org/cancer/risk-prevention/diet-physical-activity/get-active.html
14. www.cancer.org/cancer/risk-prevention/diet-physical-activity/alcohol-use-and-cancer.html

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<https://www.lfsassociation.org/what-is-lfs/treatment-preventive-screening/>

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