



LI-FRAUMENI SYNDROME

Li-Fraumeni Syndrome (LFS) is linked to a mutation in the *TP53* tumor suppressor gene. There are many types of *TP53* mutations. People with a *TP53* mutation have a higher risk of developing cancer over their lifetime. LFS affects each individual differently, even within the same family. Some families with LFS have higher rates of cancer incidence, while others do not.

LI-FRAUMENI SYNDROME FACTS



Li-Fraumeni Syndrome does not affect one particular age, gender, or race.



50% of LFS cancers develop before the age of 30.



A woman with LFS has a **90%** chance of developing cancer in her life, much of this risk is due to breast cancer.



A man with LFS has a **70%** chance of developing cancer in his life.



People with LFS can develop many cancers over their lifetime.



LFS is a dominant trait. A parent with LFS has a **50%** chance of passing the mutation along to their children.



The cancers most often seen in LFS are adrenal, brain, breast, leukemias, and sarcomas, but LFS cancers can occur anywhere in the body.



Certain childhood cancers are linked to LFS: Choroid Plexus Carcinoma (brain tumors), Sarcomas (including Osteosarcoma), and adrenocortical tumors.

And finally....not all people with LFS get cancer.

WHO HAS LFS?

Li-Fraumeni Syndrome might be suspected if you have a personal history of multiple cancers, a family history of cancer, or if certain cancers are seen in children or young adults in your family.

SHOULD YOU BE TESTED?

Getting tested for a familial cancer syndrome can be a daunting decision. A genetic counselor can help you weigh the risks and benefits of being tested for a *TP53* mutation. Knowing whether or not you have a mutation can help you and your providers develop a personalized screening regimen designed to detect cancer at the earliest and most treatable stages. There are many varying degrees of LFS, and many people with a *TP53* mutation live long, healthy lives.

Living LFS SUPPORT

At Living LFS, we **encourage, empower, and educate** those living with Li-Fraumeni Syndrome by connecting them with care, resources, and others who are Living LFS.



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