Ambry Genetics®

Understanding Your Positive *NF2* Genetic Test Result

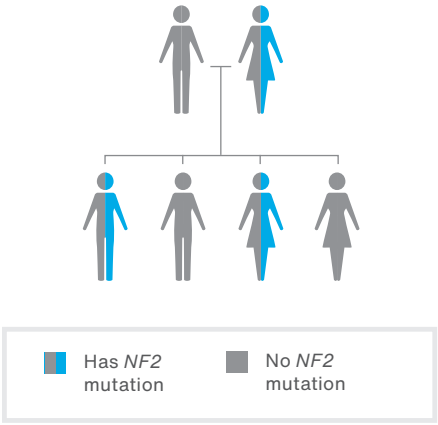
INFORMATION FOR PATIENTS WITH A **PATHOGENIC MUTATION** OR **VARIANT, LIKELY PATHOGENIC**

5 Things To Know

1	*NF2* mutation	Your testing shows that you have a pathogenic mutation or a variant that is likely pathogenic in the *NF2* gene.
2	*NF2*-related schwannomatosis (SWN)	People with *NF2* mutations have *NF2*-related schwannomatosis (SWN).
3	Tumor risks and other medical concerns	You have an increased chance to develop schwannomas (benign tumors of the nervous system) as well as other features of *NF2*-related SWN, such as meningioma, cataracts, or retinal hamartomas. *NF2*-related SWN is highly variable, and it is important to speak with your doctor about your risks and how to manage them.
4	What you can do	Risk management decisions are very personal. There are options to detect tumors early. It is important to discuss these options with your doctor and decide on a plan that works for you.
5	Family	Family members may also be at risk – they can be tested for the *NF2* mutation that was found in you. It is recommended that you share this information with family members so they can learn more and discuss this with their healthcare providers.

NF2 Mutations in the Family

There is a 50/50 random chance to pass on a genetic mutation in *NF2* to your sons and daughters.* The image to the right shows that both men and women can carry and pass on these mutations.



Please discuss this information with your healthcare provider. The cancer genetics field is continuously evolving, so updates related to your *NF2* result, medical recommendations, and/or potential treatments may be available over time. This information is not meant to replace a discussion with a healthcare provider, and should not be considered or interpreted as medical advice.

**Up to 30% of individuals with NF2-related SWN may be mosaic, meaning only some of their cells carry the identified mutation. These individuals may have milder disease. In addition, the risk to children may be lower than 50% in these cases.*

Reach Out

RESOURCES

- NF2 Crew nf2crew.org
- American Brain Tumor Association abta.org
- Children's Tumor Foundation ctf.org
- Genetic Information Nondiscrimination Act (GINA) ginahelp.org
- National Society of Genetic Counselors nsgc.org
- Canadian Society of Genetic Counsellors cagc-accg.ca

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