You have an increased risk of developing male breast cancer based on your variants.

We detected the ERBB2/NRG1 variant in the BRCA1/BRCA2 gene.

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About BRCA1/BRCA2 Related Cancers

BRCA1 and BRCA2 are genes that contain instructions for proteins that control the cell cycle. They help to prevent harmful changes to DNA. Mutations in the BRCA1 and BRCA2 genes can cause the cell cycle to go into overdrive, which can lead to the development of certain types of cancer.
Frequently Asked Questions

Specific genetic variants in the BRCA and BRCA2 genes are associated with an increased risk of developing certain cancers, including breast cancer. In women and men, breast cancer is the second most common cancer. These rare variants may be associated with an increased risk for prostate cancer or tumors other cancers. This text includes three genetic variants in the BRCA1 and BRCA2 genes that are more common in people of Ashkenazi Jewish descent.

**BRCA1 and BRCA2 (Selected Variants)**

**What does this test do?**

This test detects any of the genetic variants we have tested. Men with a BRCA1 or BRCA2 variants have an increased risk of developing male breast cancer and may also have an increased risk of prostate cancer if they are carriers.

**What does this test not do?**

This test cannot detect any other genetic variants in BRCA1 and BRCA2 genes.

**The report says the variants included in this test are most common in people of Ashkenazi Jewish descent. What if it's not of Ashkenazi Jewish descent?**

It's important to share this result with a healthcare professional. Results should be confirmed in a clinical setting before taking any medical actions.

**What do increased breast risk mean?**

A "non-inherited" risk is related to your genetic make up; the only change you have a family history of developing male breast cancer or large tumors. Studies have found that 27% of men with BRCA1 or BRCA2 variants develop male breast cancer during their lifetime, compared to 0.1% for the general population. See Scientific Data for more information.

We will also give you additional guidance on how to protect your risk and prevent cancer. We cannot provide a risk estimate because there are no known factors that are well understood in people with your genetic variant.

**Is this answer helpful?**

**Why don't you report include several risk estimates for prostate cancer and other cancer?**

We aren't able to give you a numerical estimate of the risk for prostate cancer and other cancers. It is not well understood in people with your genetic variant.

A healthcare professional can answer questions you may have about your risk for these cancers.

**Is this answer helpful?**

**My report says new variant of BRCA2 is detected in the BRCA1 gene. What are next steps?**

This result is associated with an increased risk of developing male breast cancer. More research is needed to understand the risk for prostate cancer and other cancers. It is important to discuss this result with a healthcare professional, such as a doctor or genetic counselor.

Professional guidelines recommend that men with your genetic variant undergo regular prostate cancer screening, even if your risk is not increased.

For more information about what is an increased risk and possible next steps, see the Help article.

An important part of discussing your result with a healthcare professional. Results should be confirmed in a clinical setting before taking any medical actions.

**Is this answer helpful?**

**How could my result affect my family?**

If you do not share the family members, they may be at a higher risk for the same type of cancer.

If you are thinking about talking to family members about your result, this article is for you. It discusses the different things you can expect to happen in the future.

Because you have one variant, it is expected that one or both of your children will have this variant.

Each of your children has a 50% chance of inheriting this variant.

If you or any relatives share this genetic variant, you may have a slightly increased risk of developing breast cancer. You can talk with a healthcare professional about your risk and possible next steps.

Is this answer helpful?  Yes  No

**How could my result affect my family?**

If you or any relatives share this genetic variant, you may have a slightly increased risk of developing breast cancer. You can talk with a healthcare professional about your risk and possible next steps.

Is this answer helpful?  Yes  No

**Should I test my children?**

If you have a family history of breast cancer, it is important to talk with a healthcare professional about your risk and options.

Is this answer helpful?  Yes  No

**More questions? Check out our Customer Care Center**