



About Invitae

Invitae is a leading medical genetics company. Our mission is to bring genetic information into routine patient care to help improve the quality of healthcare. To do that, we're dedicated to making genetic testing affordable and accessible.



Scan to learn more
or visit

[invitae.com/en/patients-and-individuals](https://www.invitae.com/en/patients-and-individuals)

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Invitae Billing Assurance Program

Our dedicated billing specialists work with each patient to get a comprehensive view of their unique financial situation and help identify cost-effective and affordable payment options. Typically, the out-of-pocket cost for a patient using insurance is less than \$100.



Learn more at
[invitae.com/billing](https://www.invitae.com/billing)



Ask your doctor about
**genetic testing
with Invitae.**



Understanding hereditary breast cancer



The genetics of breast cancer

How do genes impact cancer risk?

Breast cancer is the most commonly diagnosed cancer. Many factors can affect whether a person develops breast cancer. Certain genetic changes called “gene variants” can increase the risk of different types of cancers, including breast cancer.^{1,2}

Cancer Risk Factors^{2,3}:

Chance

Aging

Exposures

Inherited gene variants

Like other genetic information, variants that increase the risk for cancer can be passed down from a family member. This can lead to what is called hereditary cancer.²

Gene variants in *BRCA1* and *BRCA2* are the most well-known to increase the chances of developing⁴:



BREAST CANCER



OVARIAN CANCER



PROSTATE CANCER



PANCREATIC CANCER



SKIN CANCER

Many variants in other genes can increase a person’s risk of developing breast cancer and other types of cancer.⁵



Talk to your doctor about multi-gene panel testing

that can provide comprehensive information for you and your family.

Invitae recognizes that individuals have diverse gender and sexual identities. In this guide, the terms female, male, women, and men refer to sex assigned at birth.

Who should consider genetic testing?

Everybody can benefit from genetic testing, including people who are already diagnosed with breast cancer, as well as healthy individuals.^{6,7}

- If you or your family members have been diagnosed with breast cancer, talk to a healthcare provider about whether genetic testing is right for you
- Important information to share with your healthcare provider may include your ancestry, the types of cancers on both sides of your family, and the ages at which they were diagnosed. These factors may help estimate how likely you are to have a gene variant associated with hereditary cancer.^{8,9}

For detailed information about testing guidelines, visit [invitae.com/cancerguidelines](https://www.invitae.com/cancerguidelines)

What genetic testing means for you and your family



If you have cancer, your results¹⁰⁻¹²:

- may open the door for more personalized care options that can be tailored for your particular cancer
- may help to estimate your risk for developing another cancer, which may impact care or screening recommendations to you both now and in the future



If you do not have cancer, your results¹¹:

- may help to estimate your risk for developing cancer in the future
- may empower you to take steps to reduce your cancer risk or get additional screenings to help detect cancer early if it does occur



For your family:

- If you have a gene variant, your siblings and children could have up to a 50% chance of having the same variant as you. It is also possible that relatives have a different gene variant than you

Learn more about possible results and what they mean at [invitae.com/en/individual-faqs/results](https://www.invitae.com/en/individual-faqs/results)

Genetic testing for hereditary cancer

It all starts with a simple blood or saliva sample

- 1 Work with your doctor to decide if genetic testing is right for you
- 2 Your doctor will then decide which set of genes to test for
- 3 Submit a blood or saliva sample at your doctor’s office or a saliva sample from the comfort of your home
- 4 After receiving and testing your sample, Invitae will send your results to your doctor, who will discuss your results and next steps with you

With one test, you can learn about many of your genes and whether you have a variant that is linked to an increased risk of cancer.

Access to genetic experts

Suppose you’re not already working with a genetic counselor. In that case, once you have results, Invitae can help you access a genetics expert to get your questions answered—so you can feel confident in your potential next steps.

To learn more, visit [invitae.com/en/here-for-you](https://www.invitae.com/en/here-for-you)

