

Invitae's mission is to bring genetic information into mainstream medical practice to improve the quality of healthcare for everyone. We offer high-quality, affordable oncology genetic testing services across a wide range of organ systems including: brain, breast, colorectal, endocrine, gastric, gynecologic, melanoma, pancreatic, prostate, sarcoma, and thyroid.

## GENES TESTED WITH INVITAE HEREDITARY CANCER PANELS

Invitae has extensive hereditary cancer testing options, with results available in 10–21 calendar days (14 days on average).

Invitae also offers breast cancer STAT panels with a rapid turnaround time of 5–12 calendar days (7 days on average)

### GENES TESTED:

- |                                 |                                 |                                  |
|---------------------------------|---------------------------------|----------------------------------|
| <input type="checkbox"/> APC    | <input type="checkbox"/> KIT    | <input type="checkbox"/> RAD50   |
| <input type="checkbox"/> ATM    | <input type="checkbox"/> MEN1   | <input type="checkbox"/> RAD51C  |
| <input type="checkbox"/> AXIN2  | <input type="checkbox"/> MLH1   | <input type="checkbox"/> RAD51D  |
| <input type="checkbox"/> BARD1  | <input type="checkbox"/> MSH2   | <input type="checkbox"/> SDHA    |
| <input type="checkbox"/> BMPR1A | <input type="checkbox"/> MSH3   | <input type="checkbox"/> SDHB    |
| <input type="checkbox"/> BRCA1  | <input type="checkbox"/> MSH6   | <input type="checkbox"/> SDHC    |
| <input type="checkbox"/> BRCA2  | <input type="checkbox"/> MUTYH  | <input type="checkbox"/> SDHD    |
| <input type="checkbox"/> BRIP1  | <input type="checkbox"/> NBN    | <input type="checkbox"/> SMAD4   |
| <input type="checkbox"/> CDH1   | <input type="checkbox"/> NF1    | <input type="checkbox"/> SMARCA4 |
| <input type="checkbox"/> CDKN2A | <input type="checkbox"/> NTHL1  | <input type="checkbox"/> STK11   |
| <input type="checkbox"/> CHEK2  | <input type="checkbox"/> PALB2  | <input type="checkbox"/> TP53    |
| <input type="checkbox"/> CTNNA1 | <input type="checkbox"/> PDGFRA | <input type="checkbox"/> TSC1    |
| <input type="checkbox"/> DICER1 | <input type="checkbox"/> PMS2   | <input type="checkbox"/> TSC2    |
| <input type="checkbox"/> EPCAM  | <input type="checkbox"/> POLD1  | <input type="checkbox"/> VHL     |
| <input type="checkbox"/> GREM1  | <input type="checkbox"/> POLE   | <input type="checkbox"/> _____   |
| <input type="checkbox"/> HOXB13 | <input type="checkbox"/> PTEN   |                                  |

## SIMPLE BILLING, NO SURPRISES

### WITHIN THE UNITED STATES

#### INSURANCE

Invitae will work directly with your insurance company to coordinate coverage and payment. Regardless of whether our laboratory is in-network or out-of-network with your insurance provider, Invitae is committed to making genetic testing affordable. Typically patients pay no more than \$100 out of pocket for one of our tests. If you receive a bill for more than \$100, please call us at 800-436-3037 to discuss payment options. For testing related to a personal or family history of breast, ovarian, colorectal, or uterine cancer (also referred to as HBOC and Lynch syndrome), Invitae offers an out-of-pocket cost estimator, accessible at [www.invitae.com/patient-billing](http://www.invitae.com/patient-billing).

#### PATIENT PAY

You have the option to pay \$250 upfront before test results are released. Your clinician must place the order online and provide your e-mail address so we can send you a link to pay online using a credit card.

#### MEDICARE & FINANCIAL ASSISTANCE

Invitae accepts Medicare and Medicaid. We may also be able to offer testing at limited or no expense to those who qualify for need-based assistance.

For further information, please contact Client Services at [clientservices@invitae.com](mailto:clientservices@invitae.com) or 800-436-3037.

### OUTSIDE THE UNITED STATES

#### PATIENT PAY

You have the option to pay \$250 upfront before test results are released. Your clinician must place the order online and provide your e-mail address so we can send you a link to pay online using a credit card.

#### INSTITUTIONAL BILLING

Invitae will work with your institution to set up a contract if one is not already in place.

For complete billing information, please visit [www.invitae.com/billing](http://www.invitae.com/billing).

*This guide applies only to gene and panel testing;  
for exome testing please see the Invitae exome patient guide.*



INVITAE

Hereditary cancer  
genetic testing, simplified

## THE GENETICS OF HEREDITARY CANCER?

About half of all men and one-third of all women in the US will develop cancer during their lifetimes. Most cancers occur by chance or can be influenced by environmental factors, but some cancers are inherited. 5–10% of all cancers are hereditary. This means that an increased risk of developing certain cancers is passed down through families.

The past few decades have seen incredible advances in genetic knowledge, and we have now identified many genes associated with an increased risk of developing cancer.

## WHO SHOULD CONSIDER GENETIC TESTING?

Genetic testing may be appropriate if you have:

- a personal or family history of multiple cancer types
- cancer diagnosed at an unusually young age
- different types of cancer that have occurred independently
- cancer that has developed in both organs of a set of paired organs (e.g., both kidneys, both breasts)
- certain unusual types of cancer (e.g., male breast cancer)
- several close blood relatives that have the same type of cancer

## WHAT ARE THE BENEFITS OF GENETIC TESTING?

Knowing if you have an inherited risk for cancer can be a useful tool to guide prevention and risk-reduction. If you have an elevated risk of developing cancer based on your genetic test result, you can work with your healthcare provider to create a plan designed to prevent a cancer entirely, or help to identify a cancer at its earliest, most treatable stage.

In addition, genetic testing produces information that may help you and your healthcare provider:

- provide an explanation for your personal or family history of cancer
- evaluate your risk of developing future cancers
- make informed medical decisions, including treatment for an already-diagnosed cancer and/or surveillance and preventive options to help detect or prevent future cancers
- qualify you for participation in clinical trials or research studies
- identify other at-risk relatives for whom genetic testing is recommended

## WHAT CAN GENETIC TESTING DO FOR MY FAMILY?

Identifying at-risk family members is one of the most important benefits of genetic testing. Screening family members for known familial genetic variants gives those who test positive the opportunity to make informed decisions on prevention strategies. For those who test negative, the results can bring peace of mind. If you test positive, eligible family members at risk for the same genetic disease have the option to get tested at no additional charge within 90 days; please inquire with your healthcare provider.

For more information on the benefits of genetic testing, please visit [www.invitae.com/patients](http://www.invitae.com/patients).

## HOW GENETIC TESTING WORKS

1. Work with your doctor to determine if genetic testing is right for you
2. Your doctor can then determine which set of genes to test
3. Submit a blood or saliva sample at your clinician's office or even from home
4. Access your results and work with your doctor to develop a risk reduction plan
5. If you test positive, share your results with family

## NOTES: