BRCA1/BRCA2 (Selected Variants)

A genetic test for BRCA1/BRCA2 variants is a simple blood test that provides information about your risk of developing certain types of cancer. It can help you make informed decisions about your health and potentially save your life.

You have a gently increased risk of developing breast and ovarian cancer.

Based on your risk assessment, you may want to consider genetic counseling and testing to help you make more informed decisions about your health.

You can also talk to your healthcare provider about potential screening and prevention options that may be appropriate for you.

Resources:
- National Cancer Institute Gene Guide: BRCA1/BRCA2
- Cancer Prevention: The BRCA1/BRCA2 relationship

About BRCA1/BRCA2-Related Cancers

BRCA1 and BRCA2 are genes that normally help prevent cancer. Mutations in these genes can cause breast and ovarian cancer. Mutations in BRCA1 and BRCA2 are a risk factor for breast, ovarian, prostate, and female reproductive cancers.

It is important to discuss this result with a healthcare professional.
Risk estimates are based on clinical studies that identify an association between a genotype and a health condition.

Numerical risk estimates are not available for people who have both a BRCA1 and a BRCA2 variant. An interpretative summary is provided to people with one variant so that they can discuss their results with a healthcare provider.

For some cancers, numerical risk estimates are not available.

Consider talking to a healthcare provider if you have any concerns about your risk.

### References

30, 54, 59

### Other Factors

Many factors are known to influence the risk of developing breast and ovarian cancer in the general population. In women with a BRCA1 or BRCA2 variant, the effects of some of these factors may still cause risks to vary.
Risk estimates are based on clinical studies that identify an association between a genotype and a health condition.

Numerical risk estimates are not available for people who have both a BRCA1 and a BRCA2 variant. An interpretation statement is provided to people who have both BRCA1 and BRCA2 variants, acknowledging that their risk is at least five times the baseline risk for people with just one variant. Please contact your healthcare provider to understand this result.

For some cancers, numerical risk estimates are not available.

Consider talking to a genetic counselor if you have any concerns about your risk.

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>European</th>
<th>African American</th>
<th>Hispanic</th>
<th>Asian/Pacific Islander</th>
<th>Native American</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk (per 100,000)</td>
<td>12.7%</td>
<td>11.4%</td>
<td>9.9%</td>
<td>10.5%</td>
<td>7.7%</td>
</tr>
<tr>
<td>Risk (per 100)</td>
<td>1.3%</td>
<td>1.0%</td>
<td>1.3%</td>
<td>1.1%</td>
<td>1.1%</td>
</tr>
<tr>
<td>Risk (per 10)</td>
<td>0.12%</td>
<td>0.17%</td>
<td>0.10%</td>
<td>0.07%</td>
<td>0.02%</td>
</tr>
<tr>
<td>Risk (per 1)</td>
<td>10.8%</td>
<td>15.4%</td>
<td>10.9%</td>
<td>7.6%</td>
<td>5.8%</td>
</tr>
<tr>
<td>Risk (per 0.1)</td>
<td>1.6%</td>
<td>1.6%</td>
<td>1.6%</td>
<td>1.7%</td>
<td>1.6%</td>
</tr>
<tr>
<td>Risk (per 0.01)</td>
<td>2.6%</td>
<td>0.1%</td>
<td>0.6%</td>
<td>0.2%</td>
<td>0.5%</td>
</tr>
</tbody>
</table>

Other Factors

Many factors are known to influence the risk of developing breast and ovarian cancer in the general population, including age, race, and family history.
Frequently Asked Questions
Specifically, genetic carriers of the BRCA1/BRCA2 gene variants can have an increased risk of developing certain cancers, including breast cancer and ovarian cancer. These variants may be inherited from one parent, and a person with a parent who has had breast or ovarian cancer is at risk. This page includes three genetic variants in the BRCA1 or BRCA2 genes that are most common in people of Ashkenazi Jewish descent:

- **BRCA1/BRCA2 (Selected Variants)**
  - What does this test do?
  - What does this test cover?
  - How is the test done?
  - When does the test result come back?
  - What is the test cost?

- **BRCA1/BRCA2 (Selected Variants)**
  - What does the test show?
  - What are the test results?
  - What does a positive test result mean?
  - What does a negative test result mean?
  - What are the results for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test for?
  - What is the BRCA1/BRCA2 gene test result?
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What are the BRCA1/BRCA2 gene variants?
  - What are the BRCA1/BRCA2 gene variants for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test used for?
  - What is the BRCA1/BRCA2 gene test for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?

- **BRCA1/BRCA2 (Selected Variants)**
  - What is the BRCA1/BRCA2 gene test result for my BRCA1/BRCA2 gene variants?