









Hereditary Amyloidosis (TTR-Related)

## Frequently Asked Questions

TTR-related hereditary amyloidosis is a genetic condition caused by the buildup of a protein called transthyretin (TTR) in the body's tissues and organs. This protein buildup, called amyloidosis, can damage the nerves, the heart, and other parts of the body. This test includes three of the most common genetic variants linked to TTR-related hereditary amyloidosis.

### Hereditary Amyloidosis (TTR-Related)

#### What does this test do?

This test looks for three specific genetic variants in the [TTR gene](#), called V122I, V30M, and T60A. These variants are linked to hereditary amyloidosis.

People with one or more of the genetic variants included in this test have an increased risk of developing TTR-related hereditary amyloidosis over their lifetime. However, not everyone with these genetic variants will develop the condition.

This test does not include all possible genetic variants that may increase your risk for TTR-related hereditary amyloidosis.

Is this answer helpful?

**Yes**

No

#### What does this test not do?

This test does not diagnose TTR-related hereditary amyloidosis. Only a healthcare professional can do that.

This test does not tell you if you have TTR-related hereditary amyloidosis or if you will definitely develop the condition in the future.

This test does not include all possible genetic variants linked to TTR-related hereditary amyloidosis.

This test does not provide a complete assessment of risk for amyloidosis, including non-hereditary types of amyloidosis.

Is this answer helpful?

**Yes**

No

#### The report says the variants included in this test are most common and best studied in certain ethnicities. What does this mean?

The effect of these variants on a person's risk of developing TTR-related hereditary amyloidosis is best studied in certain ethnicities. The V122I variant is most common and best studied in African Americans and in people of West African descent. The V30M variant is most common and best studied in people of Portuguese, Northern Swedish, and Japanese descent. The T60A variant is most common and best studied in people of Irish descent and can also be found in people of British descent. However, if a person who is not one of these ethnicities has one or more of these genetic variants, he or she is still expected to have an increased risk of developing the condition. [See Scientific Details for more information.](#)

Is this answer helpful?

**Yes**

No

#### Where can I learn more about TTR-related hereditary amyloidosis, support groups, and other resources?

You can learn more about TTR-related hereditary amyloidosis from the following resources:

- [hATTR Bridge \(Alnylam Pharmaceuticals-sponsored website\)\\*](#)
- [Amyloidosis Research Consortium\\*](#)
- [Amyloidosis Foundation\\*](#)
- [Amyloidosis Support Groups\\*](#)

If you have questions about your results or how they might affect you or your family, a genetic counselor may be able to help. [Learn more about genetic counseling.](#)

Is this answer helpful?

**Yes**

No

#### My report says **two variants** were detected, but my result for **one variant could not be determined**. What does this mean?

This means you have two of the genetic variants we tested. But we could not tell if you have the other tested genetic variant. This can be caused by random test error or other factors that interfere with the test.

People with this result are expected to have an increased risk of developing TTR-related hereditary amyloidosis.

These variants make the TTR protein less stable, which can cause it to fold incorrectly and clump together into abnormal structures called amyloid fibrils. These amyloid fibrils can then build up in the body's organs and tissues. The heart and the nerves are the most common sites of amyloid buildup, which can lead to heart and nerve damage. TTR protein can also build up in other parts of the body. In addition, symptoms can vary widely between people, and not everyone with a variant will develop symptoms.

This result does not mean you have developed or definitely will develop TTR-related hereditary amyloidosis.

Is this answer helpful?

**Yes**

No

#### What does **increased risk** mean?

An "increased risk" means that, based on your genetic result, your chances of developing TTR-related hereditary amyloidosis are higher than average. [See Scientific Details for more information.](#)

It is important to discuss this result with a healthcare professional.

Is this answer helpful?

**Yes**

No

#### My report says **two variants** were detected. What are some things I could do?

This result is associated with an increased risk of developing TTR-related hereditary amyloidosis. It is important to discuss this result with a healthcare professional.

Is this answer helpful?

**Yes**

No

#### How could my result affect my family?

Since you share [DNA](#) with your family members, they may also be interested in your result. If you are thinking about talking to family members about your results, [see this article](#) for a discussion of things to consider before having the conversation.

Because you have two genetic variants, it is expected that:

- Each of your parents has one of these variants.
- Each of your children will inherit one of these variants from you.
- Each of your siblings has at least a 75% chance of having one or both of these variants.

Is this answer helpful?

**Yes**

No



Have more questions? Check out our Customer Care Help Center.