

# Understanding Your Positive *PRSS1* Genetic Test Result

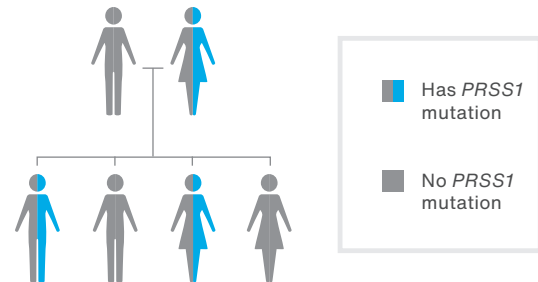
INFORMATION FOR PATIENTS WITH ONE PATHOGENIC MUTATION OR VARIANT, LIKELY PATHOGENIC

## 5 Things To Know

1	<i>PRSS1</i> mutation	Your testing shows that you have a pathogenic mutation or variant that is likely pathogenic in the <i>PRSS1</i> gene.
2	Hereditary Pancreatitis	People with <i>PRSS1</i> mutations may have hereditary pancreatitis. Pancreatitis is characterized by recurrent attacks of inflammation (swelling) that can gradually cause damage to your pancreas and the surrounding tissue. Pancreatitis can be acute (occurs suddenly), acute-recurrent (occurs suddenly more than once in 6 months), or chronic (lasting longer than 6 months). The impact on your pancreas increases risks of diabetes and pancreatic cancer.
3	Cancer risks and other medical concerns	Cancer risks associated with <i>PRSS1</i> mutations are not well defined. Individuals with hereditary pancreatitis may be at an increased risk for pancreatic cancer.
4	What you can do	Risk management decisions are very personal. There are options to detect cancer early or lower the risk to develop cancer. It is important to discuss these options with your healthcare provider and decide on a plan that works for you.
5	Family	Family members may also be at risk – they can be tested for the <i>PRSS1</i> mutation that was found in you. It is recommended that you share this information with your family members so they can learn more and discuss with their healthcare providers.

## *PRSS1* Mutations in the Family

There is a 50/50 random chance to pass on a *PRSS1* mutation to each of your children. The image to the right shows that everyone can carry and pass on these mutations, regardless of their sex at birth.



### RESOURCES

- National Society of Genetic Counselors [nsgc.org](https://nsgc.org)
- Canadian Society of Genetic Counsellors [cagc-accg.ca](https://cagc-accg.ca)

Please discuss this information with your healthcare provider. The genetics field is constantly evolving, so updates related to your *PRSS1* result, medical recommendations, and/or potential treatments may be available over time. This information is not meant to replace a discussion with a healthcare provider, and should not be considered or interpreted as medical advice.