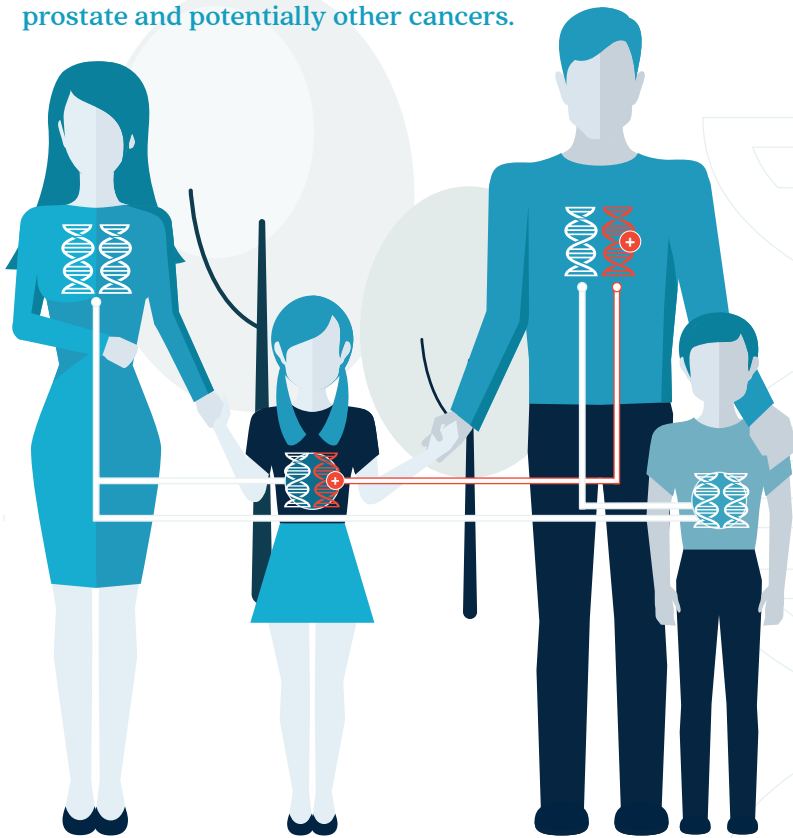


# Understanding BRCA Genetic Mutations

BRCA stands for BReast CAncer susceptibility gene. Everyone has BRCA1 and 2 tumor suppressor genes – one of each from your mother and father. When functioning normally, these genes help repair damaged DNA and help the body prevent cancer. However, when BRCA genes mutate, they can increase your lifetime risk for breast, melanoma, ovarian, pancreatic, prostate and potentially other cancers.



The V Foundation has awarded **\$9.3M** TOWARDS BRCA MUTATION RESEARCH.

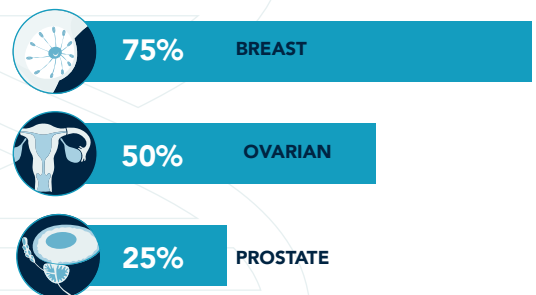


Increasing research for BRCA mutation cancer allows scientists to further understand these cancers and provide improved guidance for treating them and other genetic diseases.

If either of your parents HAS THE **BRCA1** or **BRCA2** GENE MUTATION,

YOU HAVE A **50% CHANCE** OF HAVING THE GENE MUTATION.

## INCREASED RISK of lifetime cancer due to BRCA MUTATIONS



### Look into your family history.\*

In the U.S., people of Ashkenazi Jewish descent have a higher rate of BRCA1 and BRCA2 mutations. In addition, specific mutations may vary among individual racial and ethnic groups, including African Americans, Hispanics, Asian Americans and non-Hispanic whites.

Research is the key to understanding & stopping cancer. Visit [BRCA.jimmyv.org](http://BRCA.jimmyv.org) to donate.

\*Source: <https://www.cancer.gov/about-cancer/causes-prevention/genetics/brca-fact-sheet>