## **Inherited Mutations that Increase the Risk for Cancer & Looking at the Odds of Having Them**

**Approximately** 

1 in 279

individuals carry

Lynch <-Syndrome

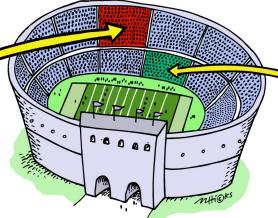
mutations.

That would be about

**215** individuals in this stadium.

Lynch Syndrome mutations (MLH1, MSH2, MSH6, PMS2, EPCAM) are associated with colorectal (colon) cancer, endometrial, ovarian cancer, pancreatic cancer, and other cancers.

This stadium holds **60,000** people.



Some of the other genetic mutations that increase the risk of cancer are: ATM, PALB2, CHEK2, TP53, CDK4, CDKN2A, PTEN, BAP1, BRIP1, NF1, RAD51C, RAD51D, and STK11.

**Genetic Testing Saves Lives!** 

**GENETIONARY** www.genetionary.org

Approximately

1 in 400

individuals carry a BRCA 1 or 2

mutation.

**150** individuals in this stadium.

BRCA mutations are associated with breast cancer in women & men, prostate cancer, fallopian tube cancer, ovarian cancer, pancreatic cancer, melanoma, and some other cancers.

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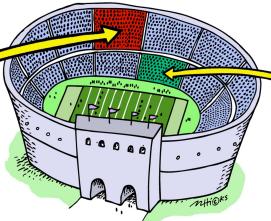
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