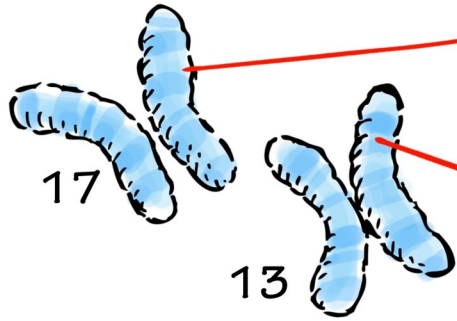


These are Chromosomes



Chromosomes contain DNA & genes



BReast Cancer genes

BRCA1
BRCA2

are among these genes

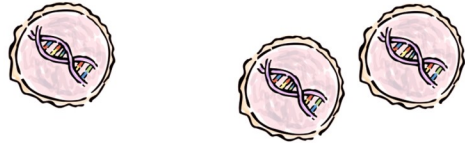


Everyone has breast cancer genes

Cats & dogs do too



There are BRCA genes in every cell in your body



BRCA genes are cancer suppressor genes



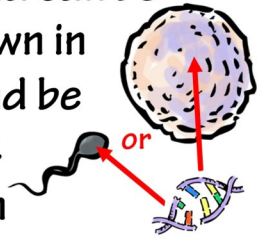
But sometimes mutations happen and the genes don't function correctly



Cells are constantly dividing and changes in genes (somatic mutations) can happen randomly over time



Germline mutations can happen for various reasons and can be passed down in a family and be present at conception



Somatic mutations are not passed on. But if a parent has a germline mutation, each child has a

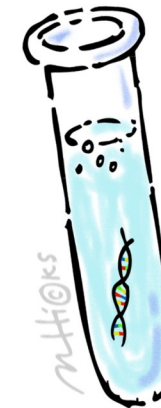
50%

chance of inheriting the same mutation.

1 in 400

people have a germline BRCA mutation that increases the risk of breast cancer (in women and men) and other cancers

Is there cancer in your family tree?* Talk to your doctor and/or a genetic counselor about it



Genetic testing can help you find out if you carry a BRCA or another mutation that may increase your risk of cancer