

Health Science Pathway

Data and Statistic Module, worked example 5 – probability

Questions

What is the probability of a female child inheriting an abnormal BRCA1 or BRCA2 gene from her father who carries the abnormal gene?

Answer

50%. Given that you can inherit a breast cancer gene abnormality from either your mother or your father, if one of your parents has a breast cancer gene abnormality, you have a 50% chance of inheriting the gene from that parent.