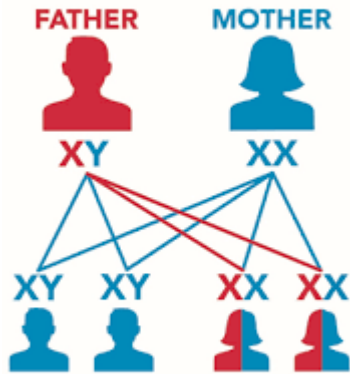
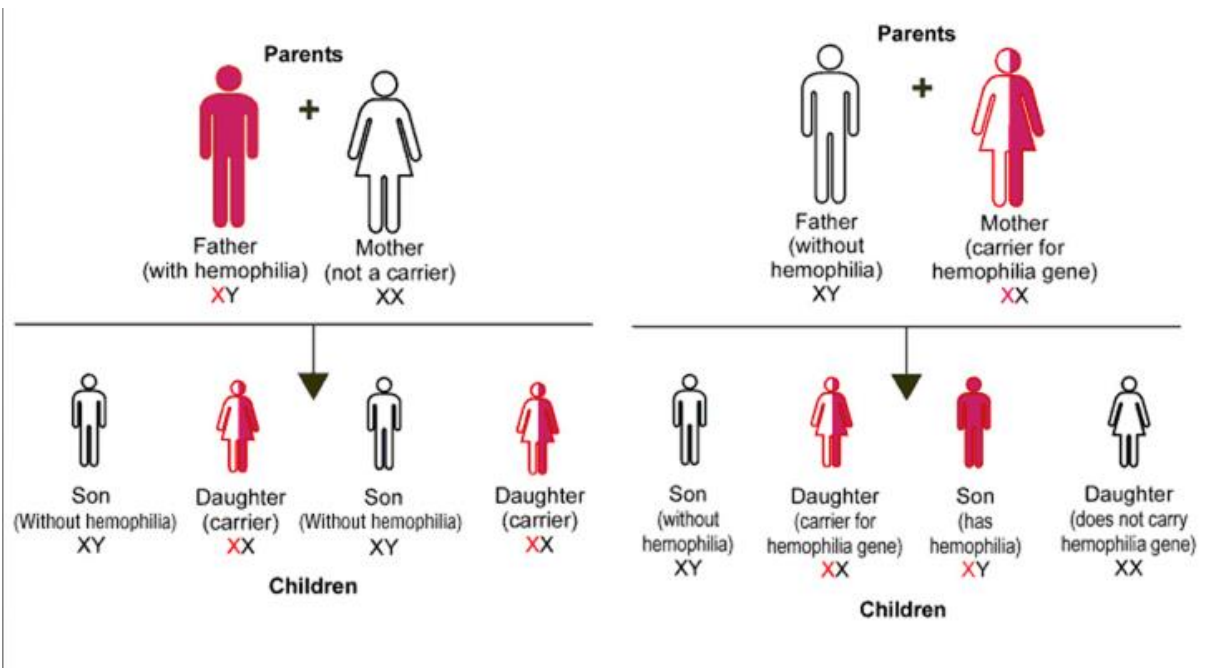


Genetics haemophilia

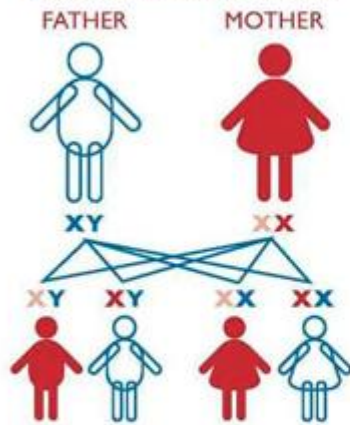
When the father has haemophilia and the mother is unaffected



None of the sons will have haemophilia. All of the daughters will carry the gene. Some might have symptoms or have haemophilia.

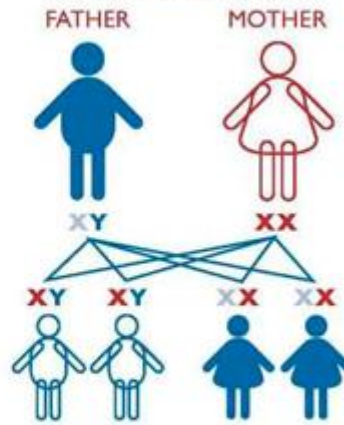


When the mother carries the haemophilia gene and the father is unaffected



There is a 50% chance at each birth that a son will have haemophilia.
There is a 50% chance at each birth that a daughter will carry the haemophilia gene

When the father has haemophilia and the mother is unaffected



None of the sons will have haemophilia
All of the daughters will carry the haemophilia gene

$\color{red}X$ or $\color{blue}X$ = chromosome with haemophilia gene