

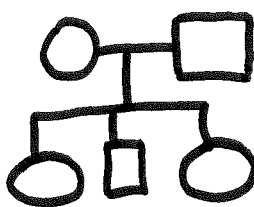
# Pedigrees

- A chart of the genetic history of a family over several generations

• Symbols: Female ○ Male □

• Connections: A married couple ○—□

A married couple w/ 3 children



• Affected individuals:

- a person with the genetic trait being looked at will have their shape filled in

ex: Normal Male □ Affected Male ■  
Normal Female ○ Affected Female ●

(a person who is deceased will have a diagonal line through it ☒)

• Determining whether a trait is sex-linked or autosomal

- if most of the males are affected, the trait is most likely sex-linked

- if males and females are equally affected, the trait is likely autosomal

• Determining whether the trait is dominant or recessive

- if the trait is dominant, at least one of the affected individual's parents must have the trait

- if the trait is recessive, neither parent has to have the disorder because they could be carriers