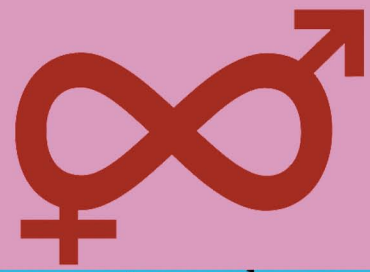
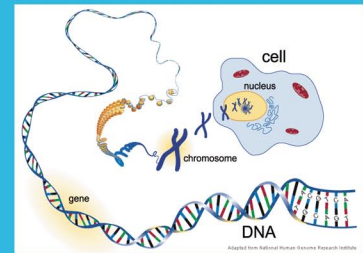


Intersex condition



<https://ohiowomenscenter.wordpress.com>

Intersex condition is a general term for a group of conditions where there exists a discrepancy between the sexual anatomy with a typical definitions of male or female[1]. This should not be confused with transsexualism where someone has an evident sex, but feels that he or she belongs to group of opposing sex[2]. Before we ask what causes intersex condition, it is important to understand the basis of genetics.



What are DNA, Gene and Chromosome? [3]

National Human Genome Research Institute

DNA(deoxyribonucleic acid) is a biomolecule that holds the recipe how a living organism is built.

Gene is essentially a segment of DNA transferred from parent to offspring that determines one's trait such as eye color, hair color or blood type.

Genes are packaged and organized into **chromosome** to prevent damage to DNA and fit into cells. Humans have 23 pairs of chromosomes, and among them, the X and Y chromosome are linked to a person's sex.

How are genes passed down from our parents ?

A pair of homologous chromosomes from father and mother undergoes cross-over to exchange genetic materials and undergoes two stages of cell division to produce sex cells with half number of chromosomes.

The sex chromosomes that determines one's gender are the X and Y chromosome. Male has XY chromosomes and female has XX chromosomes.

Classification of Intersex conditions[4]

1. **Chromosomally intersexed** - people who are missing a sex chromosome or having extra sex chromosome. This occurs when the chromosome pairs does not separate equally causing individuals with missing or extra chromosomes
2. **Genetically intersexed** – usually refers to individuals who have normal chromosomal makeup but a faulty gene on one of the chromosomes that may be caused by mutation
3. **Physically intersexed** – individuals with physical characteristic of both female and male.