

# Gene flow

In contrast to random changes in gene frequencies in small populations, which are the result of gene shift (a random change in gene frequency in small populations), a smooth change in gene frequency occurs in large populations due to gene flow. This occurs mainly between sub-populations through migrating individuals.

- A typical example is the steady decrease in frequency of the D alleles of the of the ABO blood group system from approximately 0.6 in Western Europe to 0.3 in East Asia.
- Another example is the inflow of "white" genes into the gene pool of African Americans.

## Links

### Related articles

- Genetic drift
- Evolution
- Selection
- Migration
- Small population

### Resources

- ŠTEFÁNEK, Jiří. *Medicína, nemoci, studium na 1. LF UK*[online]. [cit. 11. 2. 2010]. <<https://www.stefajir.cz/>>.