

# Penetration

**Penetration** is the degree of agreement between a genotype and the expected phenotype. Genotype does not always clearly determine phenotype.

According to the degree of manifestation, we distinguish between **incomplete penetrance** (in individuals with a certain genotype, we find the corresponding phenotypic manifestation in only some individuals) and **complete penetrance** (in individuals with a certain genotype, we find the corresponding phenotypic manifestation in all individuals). We use percentages to express the degree of penetration.

## Links

### Related Articles

- Expressiveness

### External links

- Penetrance (česká wikipedie)
- Penetrance (anglická wikipedie)

### References

- OTOVÁ, Berta, et al. *Lékařská biologie a genetika : 1.díl*. 1. edition. Praha : Nakladatelství karolinum, 2015. 124 pp. ISBN 978-80-246-5221-4.