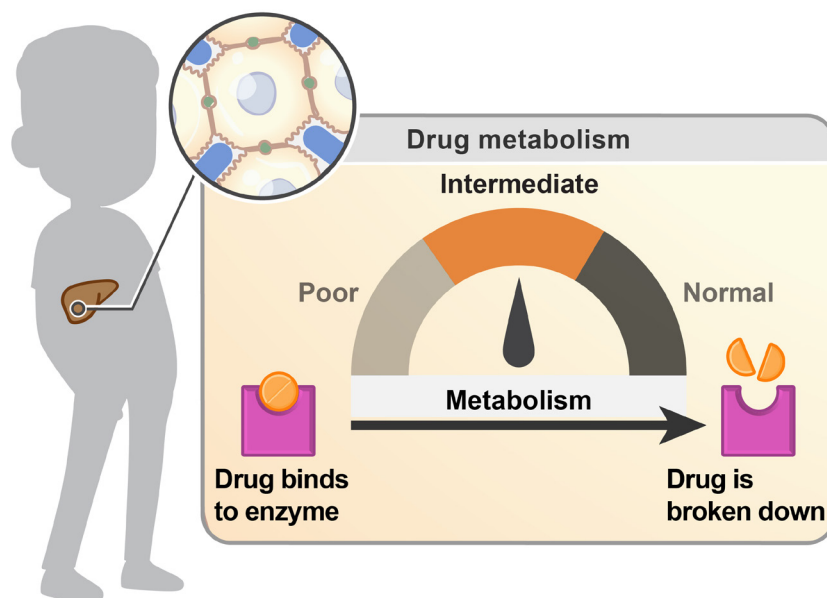


CYP2C9: Intermediate metabolizer

What is CYP2C9?

CYP2C9 is a gene that provides the instructions to make the CYP2C9 enzyme, which is involved in the breakdown (metabolism) of medications within the body.



CYP2C9 metabolizer status: Intermediate metabolizer

What it means

These pharmacogenetic results predicted that the CYP2C9 enzyme has **reduced activity**. Medication **may be broken down slower** than in most individuals.

Why it matters

Medication may stay longer in the body, causing unwanted effects.

What happens next

The health-care team may recommend **starting with a lower dose of medication or maintaining a reduced dose** to ensure the medication works safely and effectively.

This status is not an indicator of health. The health-care team will still consider medical history and other factors to ensure the best treatment.

Example medications affected by CYP2C9

- **Fluvastatin**, a medication that helps lower cholesterol (statin)
- **Fosphenytoin/phenytoin**, medications that help prevent seizures (anticonvulsants)
- Nonsteroidal anti-inflammatory drugs (NSAIDs) – medications that help with pain and inflammation (e.g., **celecoxib**, **flurbiprofen**, **ibuprofen**, **meloxicam**, **piroxicam**)
- **Warfarin**, a medication that prevents blood clotting (anticoagulant)

The medications listed above are referred to by their generic names. You may hear the medication called by a different brand name.