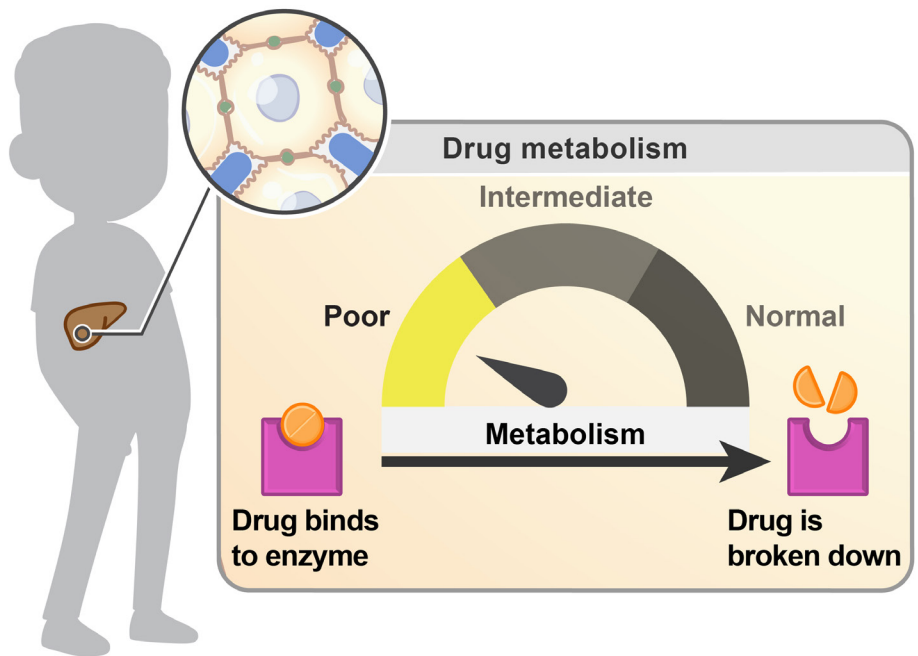


TPMT: Poor metabolizer

What is TPMT?

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



TPMT metabolizer status: Poor metabolizer

What it means

These pharmacogenetic results predicted that the TPMT enzyme has **significantly reduced activity**. Medication is **broken down significantly slower** than in most individuals.

Why it matters

Medication stays longer in the body, causing unwanted effects.

What happens next

The health-care team may recommend **starting with a lower dose of medication or switching to a different medication** 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 TPMT

- Thiopurines – immunosuppressants that treat inflammatory bowel disease (IBD), leukemia, and prevent organ transplant rejection (e.g., **azathioprine, mercaptopurine, thioguanine**)

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