PathWise
Pathway-based Polygenic Risk Scoring

Coronary Artery Disease Risk

Pathway-informed cardiovascular support and prevention.

What Genetic Risk Reflects in Coronary Artery Disease (CAD)

Inherited risk for coronary artery disease spans multiple biological pathways, including:

- Lipid metabolism and transport
- Vascular inflammation and endothelial function
- Blood pressure regulation and metabolic stress

A total polygenic risk score reflects overall inherited risk.

Pathway-level context helps distinguish whether that risk is more lipid-driven, inflammatory, or metabolically influenced.

How PathWise Adds Clinical Value

PathWise supports clinicians by:

- Helping prioritize lipid-focused, inflammation-aware, or metabolic prevention strategies
- Supporting shared decision-making around lifestyle intensity and monitoring
- Reinforcing guideline-aligned prevention with patient-specific emphasis

It does not change thresholds, targets, or standards of care. It clarifies where preventive attention may matter most.

How This Shows Up in Practice

Patients with similar overall genetic risk may benefit from different preventive focus areas.

For example:

- One patient's profile may emphasize lipid metabolism
- Another may reflect greater inflammatory or metabolic contribution

PathWise helps explain these differences while remaining aligned with established cardiovascular prevention guidelines.

Example Patient Explanation

"Your overall genetic risk is similar to others we see, but your results suggest cholesterol metabolism plays a larger role. That means diet quality and lipid control are especially important prevention tools for you."

PathWise does not predict cardiovascular risk. It helps clinicians translate inherited risk into clearer, more focused preventive conversations.

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PathWise is intended to support clinical decision-making and shared conversations. Results should be interpreted in the context of individual patient factors and current clinical guidelines.

Questions? Contact us at info@vydiant.com