

Powering personalized medicine

through seamless integration of
pharmacogenetic insights

Pharmacogenetics for clinical decision making

Abomics delivers advanced pharmacogenetic (PGx) interpretation services and secure data solutions tailored for clinical workflows.

Our technology enables hospitals, laboratories, clinics and healthcare IT providers to integrate actionable genetic insights directly into day-to-day clinical processes enhancing patient safety, treatment efficacy, and operational efficiency.

Abomics solutions support clinicians with data-driven medication decisions and improving patient outcomes.

Benefits of pharmacogenetic testing:



Reduces trial-and-error of medication optimization



Faster medication and dose optimisation shortens treatment time

30%

Reduces risks of adverse drug reactions by 30%¹

99%

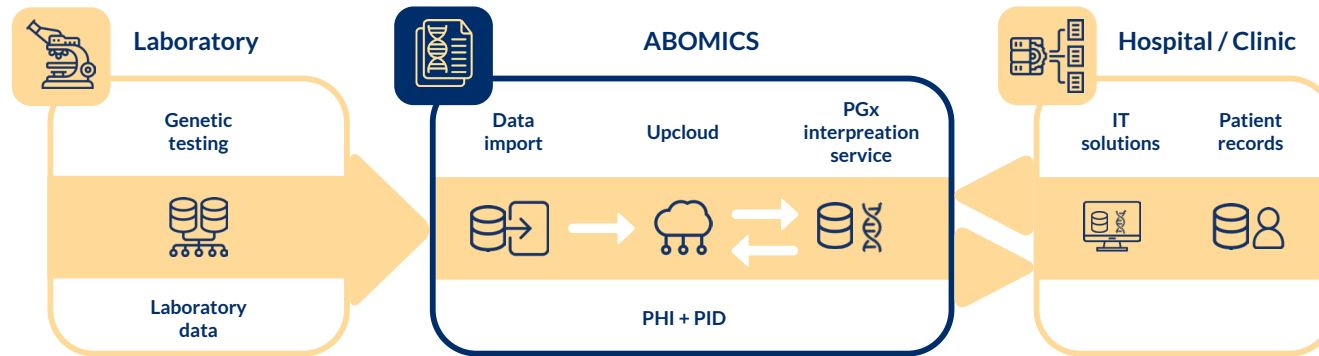
Supports medication decisions for a lifetime for the majority of individuals²

Pharmacogenetic test can be used for most diseases in both primary and specialized care, making it a versatile tool for clinical practice.

¹Swen JJ et al., 2023

²Ji Y. et al., 2016

Patient data flow



How it works

Secure, automated data flow

End-to-End solution

Patient genetic data is securely transmitted from hospital or laboratory systems to Abomics via HL7, sFTP, or other encrypted channels.

Automated expert-reviewed interpretation

Our platform generates a comprehensive PGx report, reviewed by medical experts, and returns results in structured JSON format via a robust REST API.

Seamless IT integration

Reports are delivered directly to clinicians through the hospital electronic healthcare records or Abomics' GeneAccount portal, supporting both desktop and mobile access.

Built-in security

All transfers are encrypted and logged, ensuring reliable and compliant data flow.

Security & compliance at every step

Data privacy

PHI and PID are processed with strict separation and encrypted transfer.

Certified storage

Data is retained on secure, certified servers, with regular vulnerability audits (OWASP) and daily backups.

EHDS & IVDR ready

Abomics solutions are designed for European Health Data Space (EHDS) interoperability and meet IVDR Article 5(5) requirements for in-house devices.

Flexible integration for healthcare IT

API-First approach

Well-documented REST API for rapid integration of PGx data, drug-gene interactions, and clinical recommendations.

Customisable reporting

Multilanguage reports can be branded and localised to fit your organisation's needs and global expansion plans.

Mobile & web access

Secure portals and Progressive Web Apps (PWA) support both clinicians and patients on the go.



Check our API documentation

Different data access for different needs



Laboratories

Results via Abomics Admin Portal.



Clinicians

Directly in electronic healthcare records (API) or web access.



Patients

Secure mobile access through Progressive Web App.

Why Abomics?

Pharmacogenetic expertise

Over a decade of clinical and technical experience in pharmacogenetics interpretation services and health tech.

Flexible set-up

Results can be accessed via report or mobile portal, and embedded directly into electronic healthcare records or patient portals.

Regulatory excellence and certifications

- ISO 13485:2016 certified
- ISO 27001 certified infrastructure in Europe with strict access controls and audit trails
- Medical institution, in-house medical device manufacturer following IVDR Article 5(5)
- GDPR compliant

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