Benefits at a glance

Stepwise guidance through variant classification and interpretation process

- identified variants automatically equipped with available metadata from public databases (e.g. ref genome, gene no., transcript. no., chromosome, rs no., variant information)
- increased productivity, decrease in time required for variant analysis

Structured documentation process with clear-cut workflows for review and approval processes

- makes decision processes transparent and reproducible – ideal also for QA and audits
- provides curated information for diagnostic decision support
- allows structured compilation of own knowledge
- supports automated production of diagnostic reports
- enables time savings and ensures standardization and constant quality of diagnostic output
- enables sharing of content and knowledge within a growing network of laboratories, scientific institutions and expert groups

## About bio.logis digital health GmbH

bio.logis DH translates genetic data into usable medical information and makes it available to physicians and patients.
To that end, it has developed a special **Genetic Information Management System (GIMS)** IT solution which, in the process chain required for genetic diagnostics, focuses on the „last mile" to physicians and patients by merging genetic raw data with actionable clinical knowledge for prompt application. GIMS supports physicians in laboratories for automatically generating such expert content, as well as hospitals with specific clinical suggestions.

Contact

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What is DNAwiz?
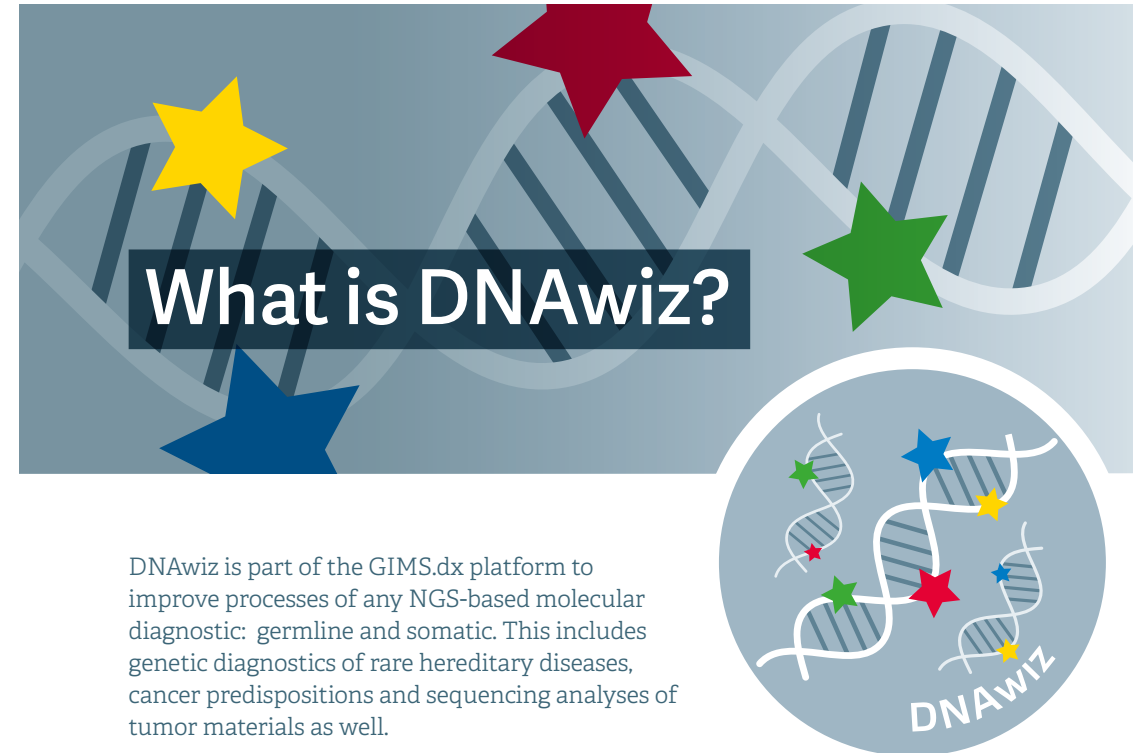
DNAwiz is part of the GIMS.dx platform to improve processes of any NGS-based molecular diagnostic: germline and somatic. This includes genetic diagnostics of rare hereditary diseases, cancer predispositions and sequencing analyses of tumor materials as well.

DNAwiz harbours structured step-by-step decision-making and documentation-workflows for variant classification, clinical interpretation and recommendation.

With DNAwiz physicians and scientists in genetics and pathology can do their important work in a structured ecosystem that is the basis **for better** medical decisions.

By using DNAwiz, molecular and clinical teams work together in a digital genetic ecosystem. The aggregated knowledge and findings become transparently trusted and disseminated: the fair sharing of variant information, genetic knowledge and clinical observations is part of a continuous truth-finding process.

How it works

Results/printed Reports

Webportal/EHR

Mobile App
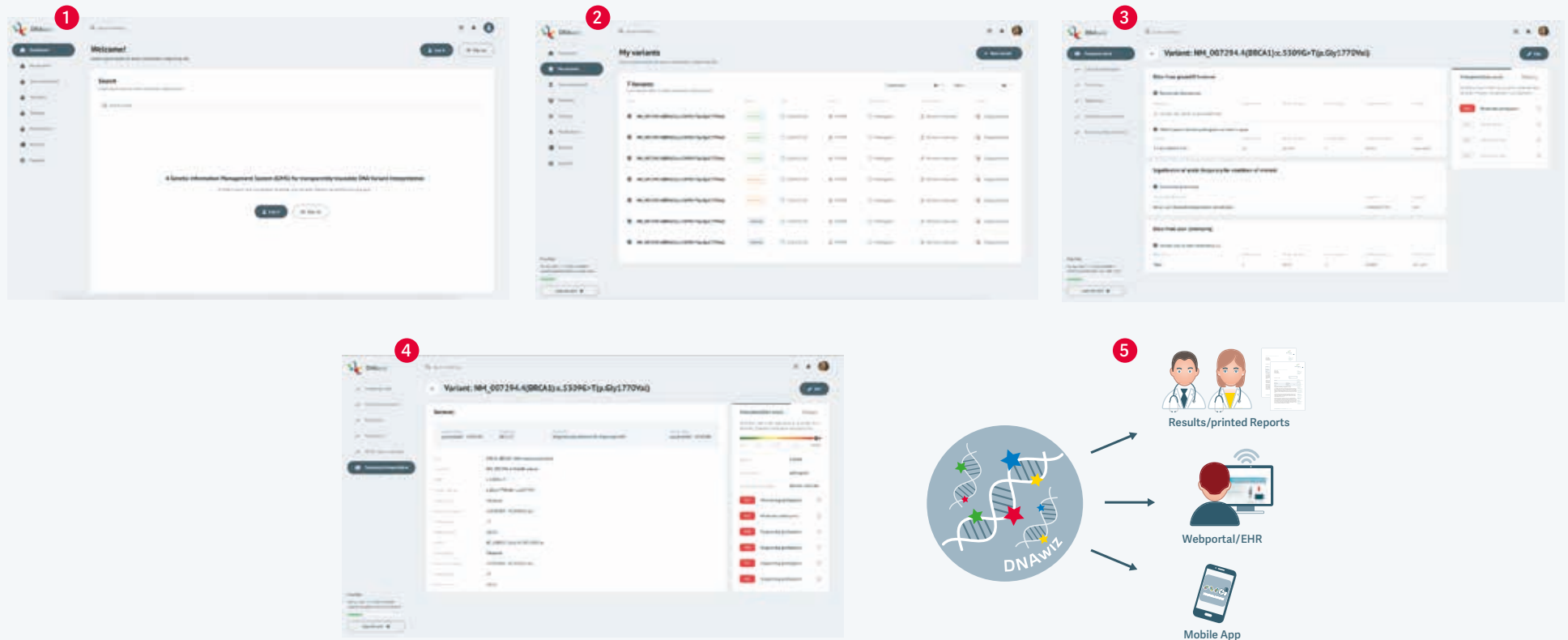
1 Variant list (vcf) is uploaded with standard interfaces or manually

2 detected variants are listed and automatically connected with metadata from public sources
a) if a variant is already available in the system and trustfully classified, it can be processed automatically for generation of a report in clinical grade
b) to process formerly not classified variants the user is guided through variant assessment and interpretation process step by step. Decision and argumentation processes can be document and versionised
c) where possible, the user can also draw variant information and existing assessments from the sharing network

3 completed assessments can be reviewed and approved using customizable workflows
a) once assessments has reached a level of maturity, user can choose to share the knowledge within the network

4 Interpretations, diagnosis and recommendations are compiled in clinical reports available in multiple formats using content from databases amended with user´s comments where applicable

5 Results can be
a) provided to physicians and patients as printed documents
b) incorporated into EHR systems or
c) distributed using customizable digital channels