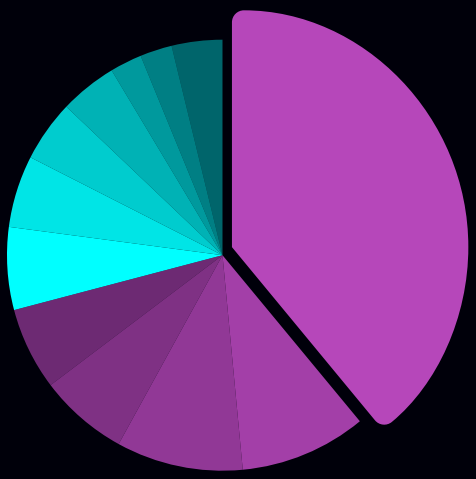
PHARMACOGENOMICS WITH 2bPRECISE™

Helping Providers Achieve Therapeutic Benefit Faster

With fingertip access to insights about how a patient will respond to specific medications, clinicians can prevent adverse drug reactions – and quickly arrive at the treatment most likely to be effective. That's the promise of pharmacogenomics (PGx).

But providers today are unable to fully leverage PGx because complex information is buried deep in reports physicians can't easily access or understand. Plus, providers are unable to re-interrogate results as patient conditions change or new genomic discoveries are revealed: results typically are saved as PDFs, not as discrete data integrated with clinical information.



Source: https://www.fda.gov/drugs/science-research-drugs/table-pharmacogenomic-biomarkers-drug-labeling

PGx Biomarkers in Drug Labeling

The FDA labels more than 360 drugs with pharmacogenomic information, represented below by therapeutical area.

- **39% Oncology**
- 9.5% Psychiatry
- 9.5% Infectious Disease
- 6.7% Neurology
- 6.2% Endocrinology
- 6.2% Anesthesiology
- 5.4% Hematology
- 4.6% Cardiology
- 4.3% Gastroenterology
- 2.4% Pulmonology
- 2.4% Rheumatology
- 3.8% Other (dermatology, toxicology, gynecology, urology, inborn errors of metabolism, transplant)

Making PGx Data Clinically Actionable

2bPrecise bridges the final mile between the science of genomics and making test results useful and meaningful at the point of care. Architected for the cloud, the 2bPrecise precision medicine platform consumes PGx data from molecular labs and delivers it within the EHR's clinical workflow.

2bPrecise Provides:

- **Identification of candidates for PGx testing**
- **Integrated roundtrip ordering and results workflow**
- **Detailed clinical guidelines and alternative drug options**
- **Comprehensive drug/gene guideline knowledgebase**
- **Simple and intuitive indicators (yellow/green/red indicators) reflecting drug/gene and drug/drug/gene interactions (current and previous medications)**

Guiding PGx with Decision-Support Tools

The 2bPrecise solution centralizes this key PGx data set and advances clinical decision making around pharmacogenomics. It enables providers to monitor advances in genomic science, and factor changing patient conditions (e.g., new symptoms, family history, diagnoses) into their prescribing decisions – all within their preferred workflow. PGx insights are valuable not only for current medication ordering but serve as a trusted resource in future prescribing decisions as well.

Because 2bPrecise delivers an organization-wide informatics layer, providers are aware that a PGx test has been performed and can use results in their daily practice. At the same time, because the 2bPrecise team has deep experience with clinical integrations, the solution features sensitive notification algorithms to avert alert fatigue. Integrated tools not only support long-term medication safety for patients and clinical efficiencies for the organization, but also advance governance around ordering practices and eliminate duplicative testing.

Achieving Value with 2bPrecise

Besides integrating with a multitude of data sources and EHRs, the 2bPrecise platform is scalable and expandable. This means organizations have a solid foundation for leveraging PGx in ways (both known and evolving) that match their priorities.

- **Enterprise-wide**
  Users can leverage the power of pharmacogenomics across a wide range of disease states and conditions: cancer, pediatrics, behavioral health, cardiovascular. In addition, multiple stakeholders – pharmacists, clinicians, genetic counselors, lab staff – gain value from the available insights.

- **Future-proofed**
  2bPrecise offers a broad array of informatics tools – beyond PGx – so organizations can scale as their precision medicine strategy evolves.

- **Clinical integration**
  Previously incomprehensible PGx data is rendered meaningful and actionable for improved clinical decision making without leaving the workflow

2bPrecise™

Learn more at www.2bPreciseHealth.com or call 412-802-2211