Why ActX

Evidence Based and Actionable

We focus on evidence-based risks that you can act on, such as avoiding a medication because it is likely to cause an adverse reaction, or starting early screenings for a specific genetic cancer risk. ActX's team of geneticists, genetic counselors, Pharm D's, and physicians, aided by academic advisors, read the original literature and rate the level of evidence, only including medications and risks for which there is substantial evidence.

Practical and Clinically Relevant

The ActX Service makes genomics practical by presenting clinically relevant information for actionable conditions. ActX is designed for the busy physician who is not necessarily an expert in medical genetics. We provide a short summary with suggestions for management, coupled with concise extended information and references. To reduce the frequency of alerts, we focus only on actionable conditions.

Up to Date with On Going Support

ActX is a constantly updated service, not a static report – our Knowledgebase is frequently updated based on the latest publications, and patient genetic data is regularly re-analyzed using our current Knowledgebase. Unlike traditional lab reports, the information you receive from ActX will not be out of date. We will alert you separately if we find something new in your patients' genetics that requires attention.

If integrated into your Electronic Health Record, ActX automatically checks each prescription against the patient's genetics, alerting you only if there is an issue with medication efficacy, dosing, or adverse effects. The ActX Patient Genomic Profile, accessible either through your EHR or online, shows actionable patient genomic risks and medications with evidence of genomic interactions.

Broad Medication and Risk Coverage

ActX covers an extensive list of actionable risks and drug-genomic interactions, using a single test rather than multiple small panels. ActX covers most U.S. prescription drugs for which there is sufficient evidence of a genomic effect, and we test for a wide range of actionable disease risks, including nearly all those recommended by knowledgeable authorities, such as ACMG and the NEXT consortium.

You can see the full, current list of medications and actionable risks checked for in multiple ways. You can see it when viewing any patient's genomic profile, or on the physician page you see after signing in to the ActX website (select the 'See List of What We Check For' link).

A Turn-key Solution

From affordable patient DNA testing to interpretation of genetic data, the ActX Service is a full, turn-key solution.

- The physician authorizes a patient for the ActX Service through their Electronic Health Record or through the ActX web site.
- After authorization, the patient receives an email with a link allowing them to sign up for the ActX service.
- On the registration page, the patient views and accepts the ActX Privacy Policy, FAQs, Service Limitations, and the ActX Informed Consent Agreement, and pays for the Service.
- The patient will receive a saliva collection kit at their home, and spit 1 cc into a tube.
- The kit is then mailed directly using a self-mailer to our CLIA certified laboratory, where it is genotyped.
- The genetic data will then be securely uploaded for analysis and storage.