

## A Simple Solution for a Complex Healthcare System

### ▶ Improved Clinical Decisions & Lower Healthcare Costs

The Pharmazam system allows patients to screen over 130,000 prescribed and OTC medications to determine how patients will respond to those drugs. Pharmazam's personalized Medication Management System instantly checks: drug to drug, drug to gene, drug to illness, drug to allergy, drug to food, and drug to lifestyle issues. Pharmazam then compares that information to the person's personalized healthcare profile to instantly create detailed patient specific reports prior to prescribing or OTC purchase.

Patients can now manage medications from multiple doctors and OTC's in one portable place. Then, easily create and send personalized medication information and concise healthcare reports to physicians, pharmacists, family members and caretakers.

The result is improved clinical decisions and lower healthcare costs for everyone. Pharmazam's proprietary genetic test was developed through a collaboration with Illumina, Inc. With the help of Illumina, Pharmazam developed one of the most advanced and comprehensive personalized pharmacogenetic microarray test available on the market.

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### Pharmazam is Not a Novelty, it is a Physician-Ordered Patient-Specific Personalized Healthcare Solution.

Pharmazam uses an FDA Cleared at home DNA collection kit ordered by a Pharmazam physician that ensures all results are as medically accurate as possible. Once tested, the Pharmazam medical department reviews PGx results prior to being released to a patient and sends genetic anomaly information directly to their physician. The Pharmazam medical team also works to support the patient or their physician with their ongoing medication questions.

Pharmazam is a cash pay product and does not accept insurances. Pharmazam is not a lab. All of its laboratory partners are certified by the Clinical Laboratory Improvement Amendments (CLIA). All data is cloud secured on encrypted servers complying with all HIPPA, GINA and ERISA regulations.



Combating Rising Healthcare Costs, Pharmazam cuts healthcare expenses, promotes wellness and reduces risk!

### Pharmazam Saves Money: for the Patient, the Clinician and the Entire Healthcare System!

- Published studies document the power of personalized medicine through genetic testing reduces costs 84% of the time.
- Studies show that over 40% of medications prescribed DO NOT work for the patient.
- Reduces costly and life threatening adverse drug reactions (ADR's) which represent yearly losses in the billions and over 100,000 deaths.

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### Improves Health Outcomes

- Guides patients and doctors to eliminate trial and error prescription practices
- Eliminates 20 - 40% of medication use for poly-pharma patients
- Eliminates 4-8 medications of chronic care patients

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### ▶ Unlocks the Power of Personalized Healthcare Data Focusing on Medications

- Pharmazam collects genetic information including: Ancestry, PGx, CGX, ADR's, Medication Management, Diet, Carrier Screening, Predictive Health and Genetic Anomaly Pr-Screening for over 4,000 potential healthcare issues.
- Real-time OTC med check against, prescriptions, genes, allergies, food, lifestyle and health conditions.
- Health Portability – instantly share personalized, comprehensive reports and test results with physicians, pharmacists, multiple caregivers and family members



### Healthcare Data Analytics

- Collects over 500MB of advanced Healthcare genetic data per patient
- Pharmazam will continue to automatically deliver new personalized healthcare information for years to come
- Drug to drug interaction database of over 130,000 drugs
- We collect healthcare data on over 19,000 genes
- We collect information on over 665,000 markers
- Identifies over 4,000 potential genetic anomalies that could be tied to inherited diseases or illnesses
- Scans accredited and proprietary databases against a list of PGx genes and variants.

### Solutions - Industry Specific Modules

- Aviation - Pilot protection against drug interactions of drugs on the "do-not-fly" list
- Athletics - protect against banned substances

### About Pharmazam

Pharmazam, LLC, is a Tampa, Florida based non-diagnostic preventative healthcare technology firm. We have created a real-time proprietary healthcare solution focused on personalized medicine, pre-screening genetic anomalies tied to illnesses and real-time healthcare management solutions with patient specific detailed reporting through integrated technologies and diagnostics. Pharmazam has simplified the complex interaction between one's genetic identity and its effect on overall wellness.

Pharmazam's approach in reporting the PGx testing results is revolutionizing the way pharmacogenetic's is conducted. With so many healthcare factors to consider in developing a patient's care and treatment plan, patients and practitioners alike benefit from Pharmazam's multifaceted analysis of drug to drug, drug to gene, drug to illness, drug to known allergy, drug to food and drug to lifestyle analysis reporting.

