



# What is the Value of Pharmacogenomics (PGx) Testing and Medication Management?

- 80% of the way we treat and prevent illness is through medication
- 75% of patients who visit a provider’s office leave with a prescription
- Most people (90-100%) have one or more genetic traits that change their response to medications
- A pharmacogenomics (PGx) panel test – from a simple cheek swab - can identify current and/or future medications that may be INEFFECTIVE or DANGEROUS for an individual patient
- Medication use that is not optimized for a patient is associated with **\$528 Billion** in US healthcare costs and **275,000 lives** lost **annually**
- The **4<sup>th</sup> leading cause** of death in the US is attributable to adverse medication outcomes
- A comprehensive medication management (CMM) review by a clinical pharmacist includes:
  - evaluating each patient’s Rx and OTC meds, vitamins and herbal supplements
  - assuring each medication is effective for a valid indication
  - screening for therapeutic duplication, drug-drug interactions, drug disease interactions, renal/hepatic dosage concerns, age (geriatric/pediatric) warnings
  - a pharmacogenomics (PGx) panel review, including guideline based recommendations to improve medication response, eliminate or avoid ineffective medications, reduce adverse events, and reduce health care costs to patients

- CMM+PGx services are cost effective by virtue of **avoided health care expenses:**

	Average per event cost <sup>^</sup>	Average out of Pocket <sup>^*</sup>
Inpatient stay per day	\$4,200	\$516
ER Visit	\$1,158	\$142
Office Visit	\$299	\$37
Prescription purchase	\$99	\$12

<sup>^</sup> Adjusted to 2021 dollars \* 12.3% of total expenses, 2011 AHRQ data

Source: [www.meps.ahrq.gov/mepsweb/data\\_files/publications/st429/stat429.pdf](http://www.meps.ahrq.gov/mepsweb/data_files/publications/st429/stat429.pdf)

**CMM+PGx can improve your medication outcomes and reduce your out-of-pocket costs.**

**How valuable is that to you?**

Contact us for more information!

Information source: Catherine Capps, Get the Medications Right Institute, January 24, 2022.

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