



The Value of Pharmacogenomics (PGx)

Co-founded by Mayo Clinic, OneOme is a full-service PGx partner that helps organizations unlock the power of precision medicine.

Clinicians across a variety of specializations can use PGx testing to help optimize medication decisions.

The cost of adverse drug events (ADEs)

Each year, adverse drug events result in a tremendous negative impact on patient lives and the U.S. health system.



2.2 million hospital admissions¹

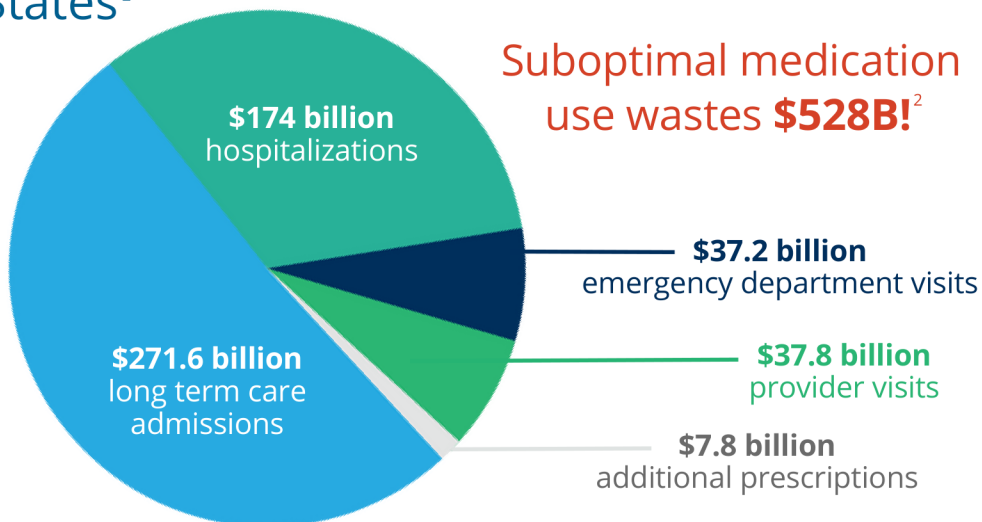


\$136 billion in healthcare costs¹



4th leading cause of death for Americans¹

Estimated annual patient impact of non-optimized medication in the United States²

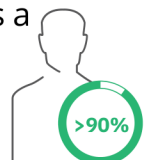


Clinical Evidence


The 2023 PREPARE Study, which included over 6,000 patients and a multi-gene panel, showed that adverse drug reactions were reduced by around 30% when certain prescriptions were informed by PGx test results.³


Who does PGx impact?

>90% of the general population has a relevant gene variant.^{4,5}




PGx can be used in a variety of therapeutic areas.
 Example studies that show potential cost-savings include:*

 <h3>Mental Health</h3>	<h4>Patients with MDD or newly starting antipsychotic therapy</h4>
	Annual per patient Rx savings: \$1,035.60 ⁶
	4-month patient savings with PGx testing: \$562 ⁷
	Estimated lifetime patient savings: \$6,264 direct + costs ⁸ Estimated 1 year savings of \$5,962 direct + indirect costs ⁹

 <h3>Oncology</h3>	<h4>Oncology, chemotherapy, and supportive care</h4>
	Annual patient savings with PGx + irinotecan dose reduction: \$272.34 ¹⁰ Savings of \$415 per patient receiving voriconazole for fungal infection ¹¹

 <h3>Pain Management</h3>	<h4>Moderate-severe chronic pain</h4>
	1 year cost savings of \$256 per person ¹²

 <h3>Cardiology</h3>	<h4>Patients undergoing a PCI</h4>
	PGx guided therapy saves \$6,720 over 15-month post PCI vs. universal Clopidogrel use ¹³
	<h4>Hypercholesteremia, diabetes, statin therapy</h4> Savings of \$270 per person ¹⁴

 <h3>Geriatric Medicine</h3>	<h4>Elderly polypharmacy patients enrolled in a CMM program</h4>
	4 months cost savings per patient: \$788 ¹⁵
	<h4>Elderly patients at a home health clinic post-hospitalization</h4> 60-day cost savings per patient: \$4,382 ¹⁶

*Savings are estimated based on clinical studies and may vary depending on individual circumstances.

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