

# Precision Medicine State of the state of th



25+

Years Experience



159

Countries



Institutions



30

Strategic and Editorial Partners





As we celebrate our 25th year in 2019, I can't help but reflect on the tremendous growth I've personally witnessed PEPID achieve. For nearly 2 decades, I've watched PEPID serve as a vital resource for tens of thousands of clinicians and healthcare facilities across the globe. In today's era of big data and rapidly-evolving market and cost trends, PEPID continues to play a critical role in meeting patient outcome and quality measurement objectives that ensure elevated standards of care and safety.

To stay at the forefront of this ever-evolving space, I'm proud to introduce one of the most cutting-edge clinical resources available on the market today: **PEPID PGx** – a predictive pharmacogenomic reference and interoperable repository for drug-drug and drug-gene interactions, cleverly designed to combine superior usability with actionable information.

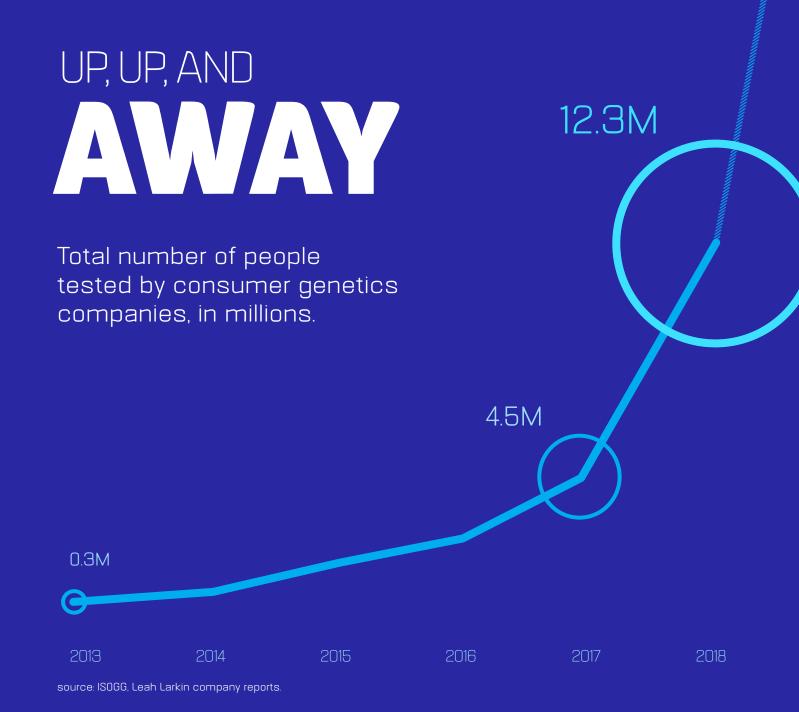
I am especially excited to launch such a one-of-a-kind clinical tool that directly addresses the costly epidemic of adverse drug reactions, an all-too-common driver of medical costs and preventable morbidity and mortality worldwide. It is my greatest hope that through **PEPID PGx**, your clinical practice or institution can reinvigorate the focus on patient-centered care, leading to *safer medication administration, more personalized treatments, and improved patient outcomes*.

Since 1994, PEPID has consistently developed innovative clinical solutions. Today as we stand at the cusp of a true healthcare revolution, we will continue to create even bigger opportunities, redefine standards and, through our valued partners, impact countless lives for the better. The possibilities and challenges ahead are endless, and PEPID is – as we've always been – poised to take them head on.





John C. Wagner
President, PEPID



of direct-toconsumer personal genomic testing consumers plan to share their genomic results with a Primary Care Physican.

-National Institutes of Health

leading cause of death in US is adverse drug reactions

of PGx treatments are more cost-saving and cost-effective

\$30.1B is spent by health providers each year on preventable ADRs and readmissions

Van. C. H., Carere, D. A., Maitland-van, A. H., Ruffin, 4. T., Roberts, J. S., Green, R. C., & Impact, G. R. (2016, April 19). Consumer Perceptions of Interactions With Primary Care Providers After Direct-to-Consumer Personal Genomic Testing, Retrieved from https://www.nc-binlm.nih.gov/pubmed/26928821

www.ncbi.nlm.nih.gov/pmc/articles/PMC5637230/

## PEPID PGx UNLOCKING THE POTENTIAL

Returns over 1,000,000 drug-gene interaction monographs.

Superior usability reduces clicks and time to answer.

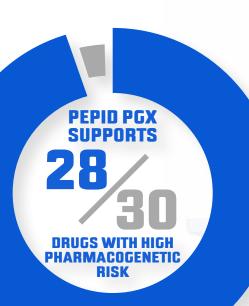
Returns condensed report of immediately actionable items.

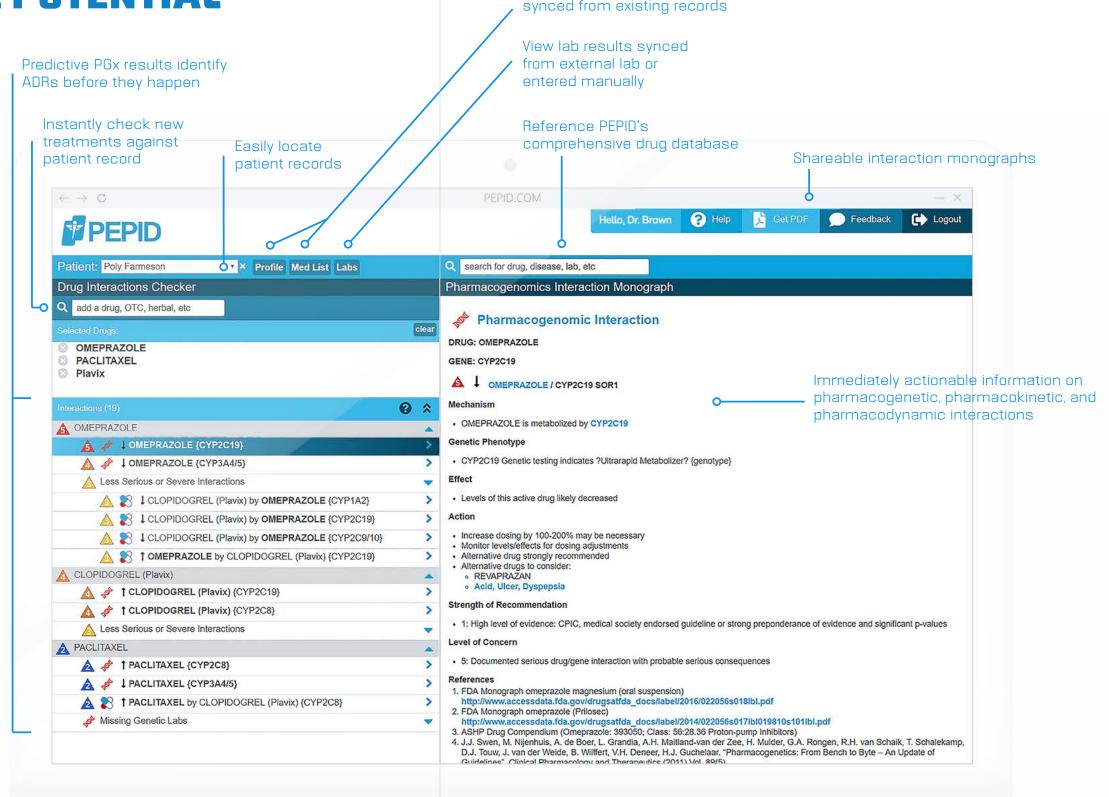
The only true predictive pharmacogenomic tool available.

Built on the same platform as PEPID's Drug Interaction Checker, allowing for prescriptions, OTOs, herbals, nutraceuticals, lifestyle factors, and gene variations to all be checked simultaneously.

#### Genes and Enzymes in PEPID PGx

CYP1A2 **MTHFR A1298C** CYP2B6 MTHFR C677T **CYP2C19** OATP1B1 CYP2C8 OPRM1 CYP2C9/10 VKORC1 CYP2D6 APOE CYP2E1 ANKK1 **CYP3A4/5** COMTV158M **F2** F5





Patient profiles and med lists

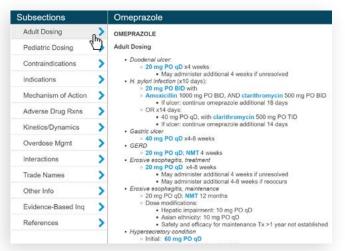
### MOVING FROM DATA TO DECISIONS

PEPID PGx is backed by the PEPID Drug Database, combining information on over 100,000 drug products, trade names and generics, herbals and nutraceuticals, and more into a single interface that provides all the information clinicians need to immediately optimize patient treatments.

#### **Alternative Dosing**



Interaction monographs are embedded with indepth content for relevant drugs and genes.

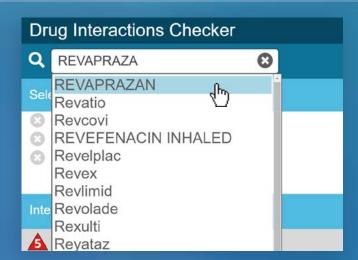


Delve into monographs, using Quick Links to rapidly access relevant sections.

#### **Evaluate Alternative Treatments**



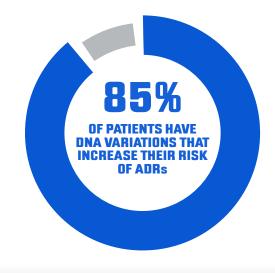
View each interaction's general warnings before considering alternative treatments. Alternative drugs to consider are listed under Actions.

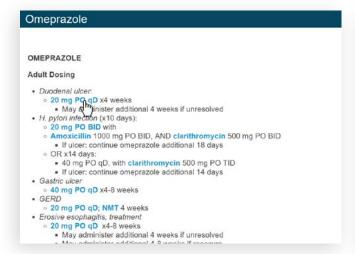


Add the possible alternate drug to the PGx checker to verify if other interactions may exist.

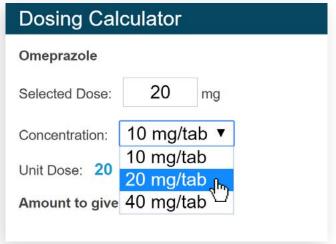
Alternatively, select the drug class to view a complete list of possible alternative drugs.

## ACTING ON PGx RESULTS TO IMPROVE PATIENT CARE

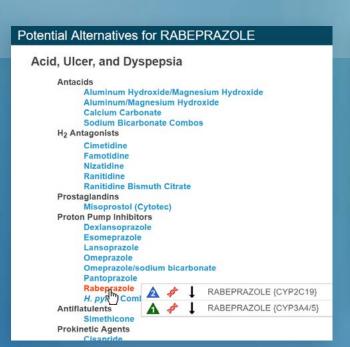




Reveal comprehensive yet action-oriented monographs that include dosing information by selecting a linked drug or gene.



Use a prepopulated dosing calculator by selecting a linked dose. Choose from standard drug concentrations to determine an alternative dose.



When viewing the drug class list, hover over each alternative to run an instant, focused PGx check.



After finding a preferred alternative, selecting a drug on the drug class list prompts an automatic swap in the PGx checker and presents the new drug's monograph.



## Answers That Empower Action

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