
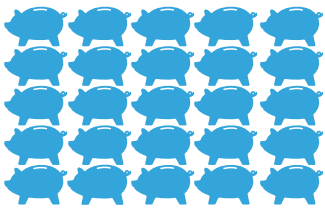


UTILIZING DATA AND INNOVATION TO IMPROVE THE PERIOPERATIVE PROCESS

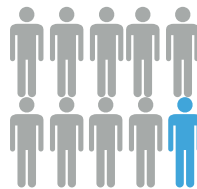
40% OF THE NATIONAL BUDGET IS SPENT ON HEALTHCARE

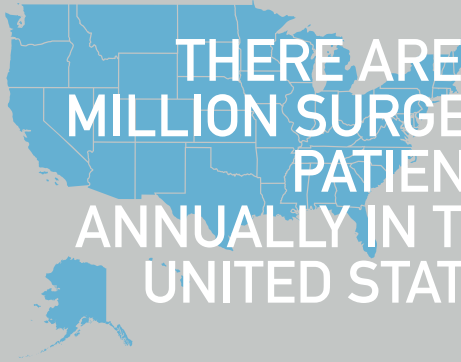
 **1.25 MILLION PEOPLE** HAVE PREOPERATIVE COMPLICATIONS



COMPLICATIONS COST UPWARDS OF \$25 BILLION

1 IN 10 PATIENTS ARE PRESCRIBED AN OPIOID WITHIN 7 DAYS OF SURGERY WILL BECOME A LONG TIME USER



 THERE ARE 40 MILLION SURGERY PATIENTS ANNUALLY IN THE UNITED STATES

BY 2020,

THERE WILL BE...

- A 25% INCREASE IN SURGERY
- A 50% INCREASE IN COST
- A 100% INCREASE IN ATHEROSCLEROTIC-RELATED CARDIAC, CEREBRAL, AND RENAL COMPLICATIONS



ADVERSE DRUG REACTIONS ARE THE **4TH** LEADING CAUSE OF DEATH IN THE UNITED STATES
COST: \$136 BILLION ANNUALLY

POSTOPERATIVE PATIENTS WHO EXPERIENCE AN OPIOID-RELATED ADVERSE EVENT HAVE A:

- 55% LONGER LENGTH OF STAY
- 47% HIGHER COST OF CARE
- 36% INCREASED RISK OF 30-DAY RE-ADMISSION



WHAT IS PERIOPERATIVE OPIOID RISK ASSESSMENT (PORA)?

PORA is an advanced perioperative and opioid risk assessment platform that utilizes the patients unique molecular and genetic response to optimize their care in the pre-operative, intra-operative and post-operative setting. Building upon a foundation of clinically relevant pharmacogenomic variants, we include genetic markers that also identify the risk of malignant hyperthermia and opioid dependency. Having a prior knowledge of a genetic profile can predict poor outcomes and help avoid dangerous, even life-threatening complications of medical management.

The OR is the highest area of risk in hospitals. PORA creates OR efficiencies & saves time in the PACU, reduces risk for complications, & improves patient satisfaction.

PORA DIFFERENTIATORS

MEDICATION RISK ASSESSMENT & MANAGEMENT

- Real-time Risk Assessment
- Drug-to-drug Interactions
- Most Frequent Side Effects
- Lifestyle Factors
- Potential Genetic Risks
- FDA Warnings

EMR INTEGRATION

- Real-time access to results
- Easy to use provider interface
- Customized report generation
- Updated reports based on new data
- Integrated genetic alerts

REVENUE

- Reimbursement by Medicare with no patient responsibility
- Covered by majority of commercial payers
- Revenue opportunity for the hospital
- AMA approved CPT codes

PharmD support to help facilitate the handoff from anesthesia to primary care, insuring the use of the patient's genetics diagnostic results throughout the continuum of care

HOW IT WORKS FOR THE HOSPITAL

PHASE 1: Establish a minimum number of surgical patients for the trial

PHASE 2: Establish metrics and program goals

PHASE 3: Precision Genetics will provide onsite support to collect patient samples

PHASE 4: Precision Genetics will compile statistical outcomes from testing



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