



**SafeRxp** is an Artificial Intelligence powered Clinical Decision Support System that can predict / prevent Adverse Drug Reactions (ADRs) and improve patient safety



**Predict and Prevent**

Individual Patient's Risk of  
Adverse Drug Reactions



**Find & Research**

Drugs by Indication, Active Intergradient,  
Drug Class or Therapeutic Equivalence



**Drug – ADR Causality**

Rapidly Establish Adverse Events -  
Suspect Drug / Device Causality



SafeRxp's artificial intelligence engine mines tens of millions of drug and medical device adverse event records to predict individual patients risk of adverse drug reactions based on their age, gender, morbidities, concomitant medications and current condition. This helps doctors and other healthcare professionals ensure patient safety and optimal outcomes.

### Adverse Drug Event Statistics

- 43 Million / Yr. - ADRs reported globally
- 500,000 / Yr. – ADR related deaths in US & EU
- 6.7 % of hospitalized patient suffer SADR
- 44% of ADRs in hospitals are preventable
- 18.5 % prescribed drugs are contraindicated
- 0.32% of hospital deaths are due to ADRs
- The risk of ADRs increase exponentially for patients taking more than 5 prescription drugs

### SafeRxp – Drug Safety Features

- ✓ Personalized Patient ADR Risk Prediction
- ✓ Find and Research Drugs for Adverse Events, Side Effects, Drug Interactions, Contraindications and the drugs detailed monograph (profile)
- ✓ Compare multiple drugs for safety and efficacy
- ✓ Rapidly establish Drug – Adverse Event Causality, to discontinue suspect drug
- ✓ Look up adverse events from multi-drug interaction between any number of drugs

### SafeRxp – Device Safety Features

- ✓ Predict top ten adverse events and device problems by brand or manufacturer
- ✓ Compare various brands of devices for adverse events or device problems
- ✓ Rapidly establish causality between Adverse Event / Device Problem – Device for immediate intervention
- ✓ Look up all devices by a manufacturer or all manufacturers and brands for a generic device such as a pacemaker etc.



SafeRxp - EMR and Pharmacy Systems Integration

With SafeRxp providers can ensure patient safety and best outcomes establishing brand equity and a reputation as a safe hospital / medical practice.

Young healthcare professionals can use the system to learn and research treatments and prophylaxis to various diseases, disease classes and classifications, SNOMED and MedDRA terms etc. and develop their own style of prescription and treatments.