

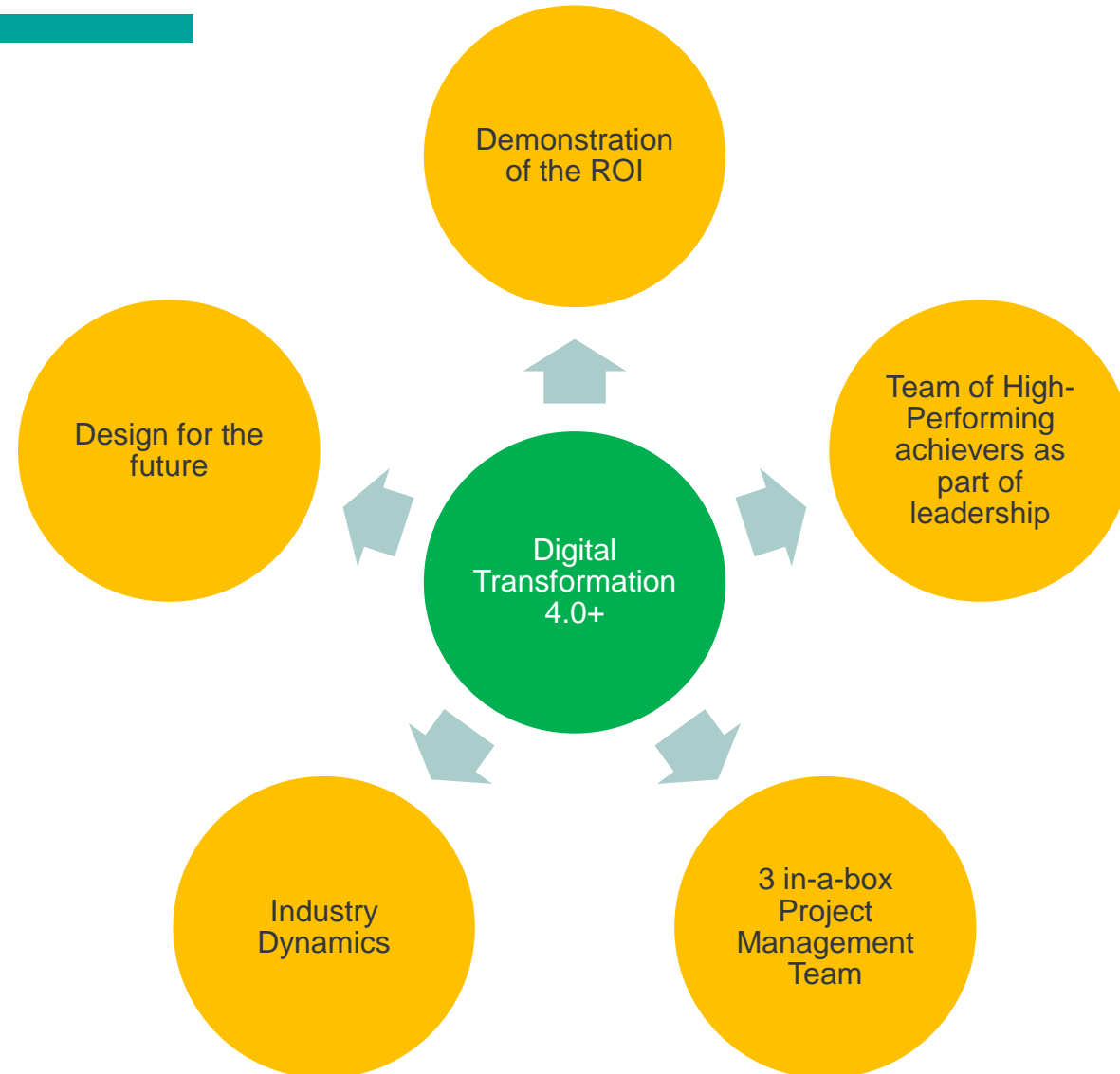
Smart Healthcare



About Us

Performatica LLC provides professional advisory services including Strategic Planning, Operations Management, Technology Transformations and Digital Platform Alliances in select industry verticals such as Energy & Sustainability, Power & Renewables, Manufacturing & Industrials, Transportation & Logistics, Healthcare

Management + Technology Consulting



Our Advantage



Consulting+
Technology solutions
team from Fortune
500 and Tier I
IT/ITES Firms

Members from
consulting,
technology and
operations provide
an **all-inclusive
perspective at an
engagement level**



**Design thinking
and Change
Management** at the
core of any proposed
solution

Leveraging **low-
code/no-code
platforms for MVPs**
as part of our
engagements



Key Services

Transformation Strategy

Baseline Transformation KPIs - Map to enterprise goals and functional/department KPIs

Platform Architecture and Analysis

Identify and validate technology tools for the program. Feature configuration, infrastructure, security and scalable architecture

Center of Excellence (CoEs)

Identify and validate digital technology platform, process and services for the program. Feature configuration, infrastructure, security and architecture

Digital Solution Design & Development

Designing the Deployment pipeline from sandbox, dev, production and change management, software acceptance standards

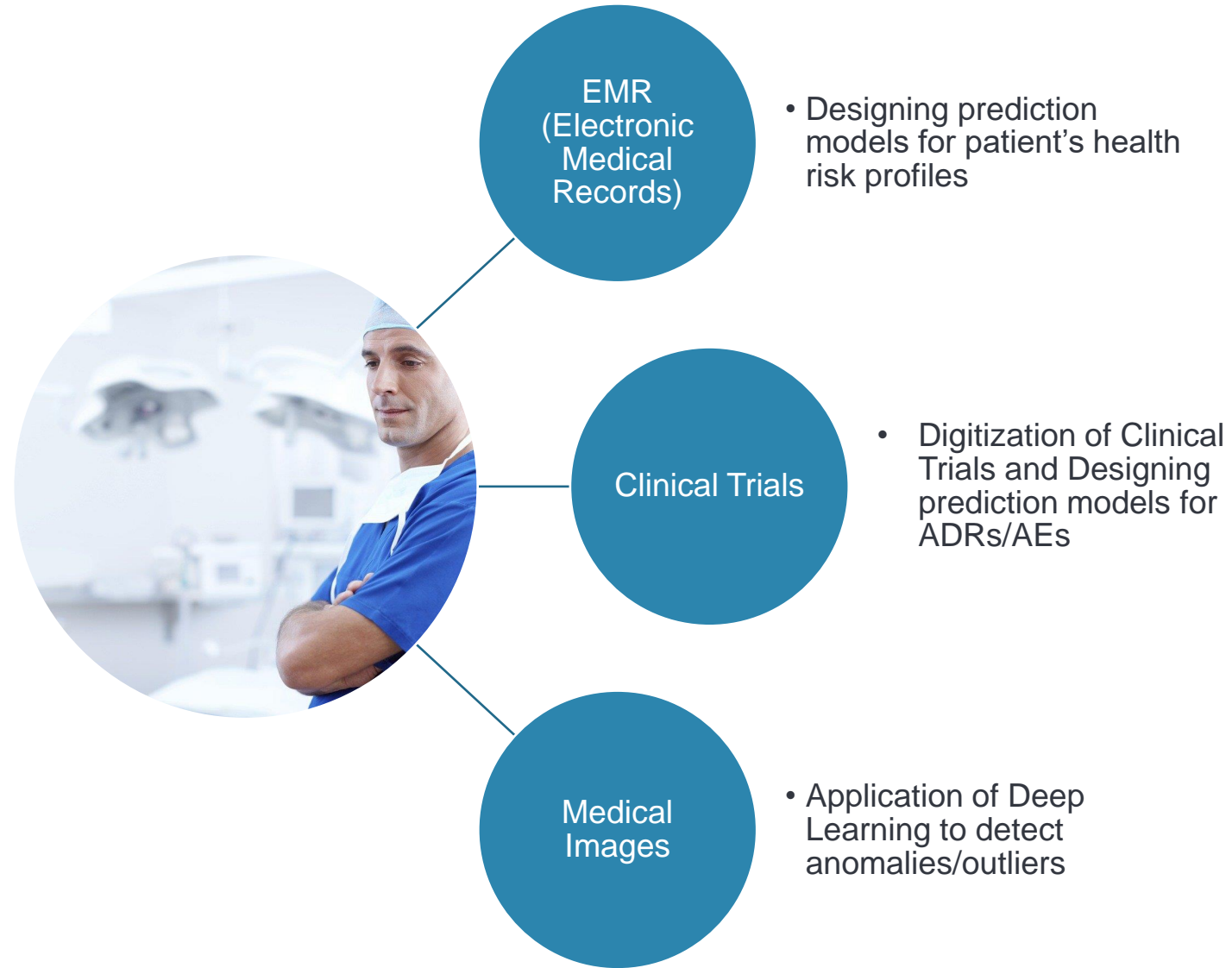
Service Experience Design to Deploy

To be Process design, RACI, SLA baselining, Data and reporting, Exceptions, Human-Bot interactions

Business Process Reengineering

Lean process redesign, systems integration, continuous improvement metrics, tech strategy for change management

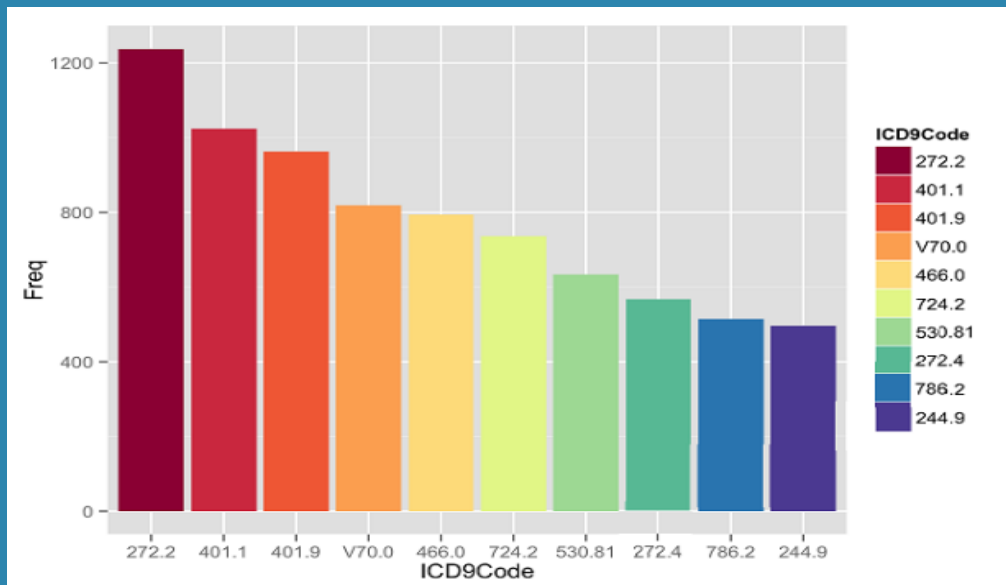
Focus Areas



EMR Data Analytics (EDA)

Solution to address analytics on top of your Electronic Medical Records (EMR) system with BI on cloud.

- Setting up EMR analytics on cloud as per HIPPA compliance
- Predict outcomes ranging from mortality rates to re-admissions, length of stay (LoS) and diagnoses
- Predict patients at high risk of postoperative complications. Predictor variables for the models included comorbidities, outpatient medications, and demographics



ADR Prediction from Clinical Trials

Prediction of Adverse Drug Reactions (ADR) from Clinical Trials

Solution to help ADR Prediction Models on past clinical datasets; on current clinical datasets (to make CROs/Drug Manufacturer's to be proactively monitor for ADRs) for trials currently in phases 1/2/3.

- Generate ADR Prediction Scores for Reliability
- Generate Patient Tailored ADR Profiles
- Generate ADR from Drug Structs and Safety Reports
- Generate ADR Data Mining Models

The screenshot displays the openFDA RR-Drug application interface. The left sidebar contains search and filter options, including a dropdown for 'Drug Variable', a 'Select Drug and # of Events...' button, and a search for 'Drug Name: REMDESIVIR'. The main panel shows 'RR-Drug' with tabs for 'PRR and ROR Results', 'Analyzed Event Counts for Specified Drug', and 'Analyzed Event Counts for All Drugs'. Below these are sub-tabs for 'Ranked Event Counts for Drug', 'Counts For Drugs in Selected Reports', and 'Counts For Indications in Selected Reports'. A 'Reporting Ratios: Results sorted by PRR' section is visible, followed by a table of results.

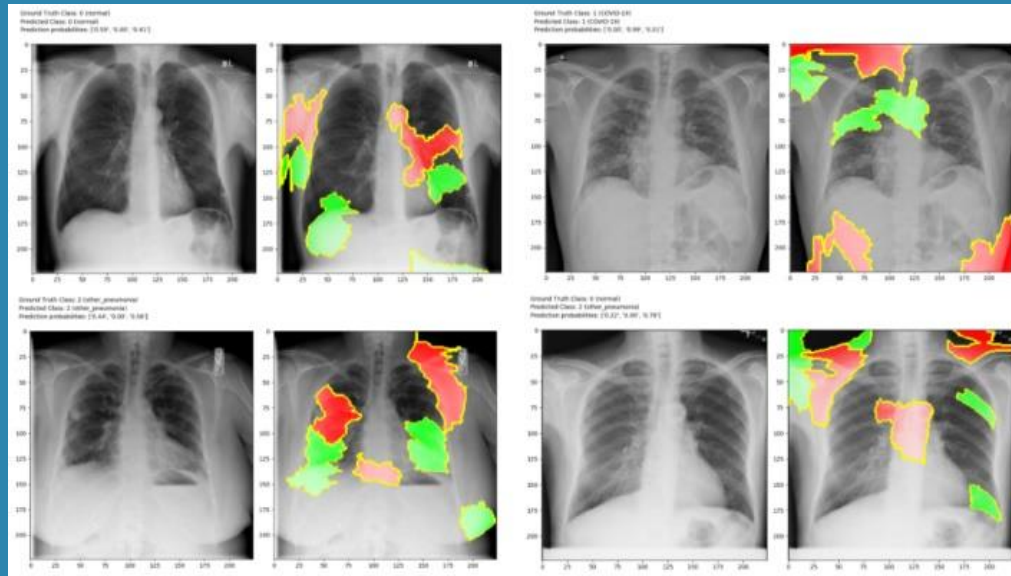
Definition	Preferred Term	Counts for REMDESIVIR	Counts for All Reports	PRR	Dynamic PRR	Change Point Analysis
Definition	COVID-19 PNEUMONIA	63	1,169	168.22	COVID-19 PNEUMONIA PRR	COVID-19 PNEUMONIA CPA
Definition	LIVER FUNCTION TEST INCREASED	340	10,317	89.52	LIVER FUNCTION TEST INCREASED PRR	LIVER FUNCTION TEST INCREASED CPA
Definition	INFUSION SITE EXTRAVASATION	76	2,756	71.50	INFUSION SITE EXTRAVASATION PRR	INFUSION SITE EXTRAVASATION CPA

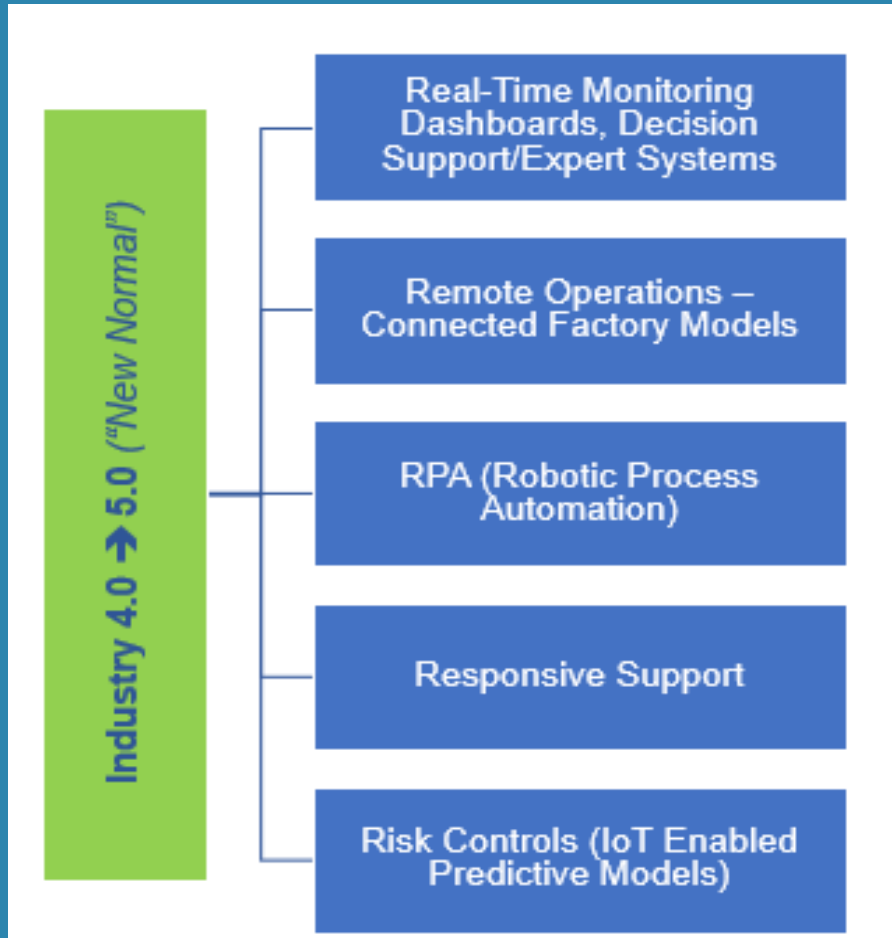
Deep Insights Analyzer for Medical Images

Deep Insights Analyzer (DIA) for Medical Images

Solution to help detecting anomalies in medical images using Neural Networks models

- Deep Learning Workbench for Medical Imaging Analytics
- Predict Outliers/ Anomalies (Generate Risk Scores)
- Re-train the System (from Radiologists for Errors)
- Re-deploy training models (update the Model Registry)



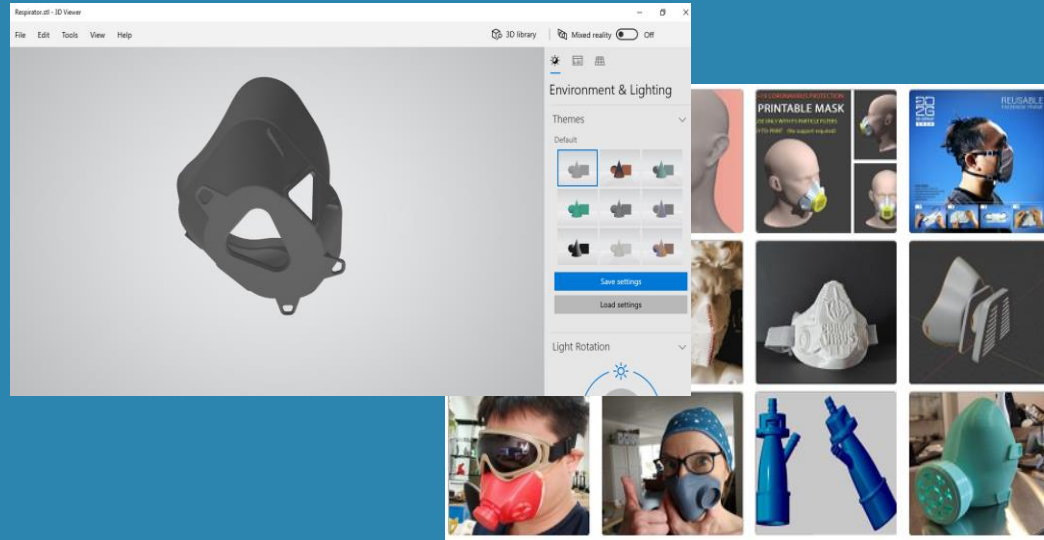


Consulting for 5R Services

(Real-Time Monitoring, Remote Operations, RPA, Responsive Support, Risk Controls)

- **Strategic Planning** - Design use-cases, technical and domain related market research, open innovation, agile R&D
- **Operations Management** - Drive business transformation, program management, metrics management/business performance
- **Technology Transformation** - Develop prototyping, applied analytics in these 5R services
- **Digital Platform Alliances** - Discover industry alignment to post covid-19 era, sustainability goals and industry 4.0+ demands by building a responsive digital ecosystem.

Key Engagements



- ✓ Genome Risk Modelling
- ✓ Healthcare Data Monitoring
- ✓ Patient Experience Portals
- ✓ Clinical Data Management
- ✓ Clinical Trials & Drug Discovery
- ✓ Real-time Hospital Operational Dashboards
- ✓ Fraud Detection in Insurance Claims
- ✓ 3D Prints for Medical Devices

Designed and customized the combined risk models and profiles from EMR, Genomics and Medical Images

Gene Data Analytics & Risk Profiling

Data Mining on Healthcare Research Datasets

Designed and deployed a NPL platform for medical research datasets

Automation, Analytics and AI Projects for Healthcare Customers

Key Engagements

Predicting Adverse Events from clinical trials

Designed and developed Predicted Models on CTs for ADRs

Designed and developed deep learning predicted models for Medical Images

Medical Images Data Classification and Prediction

Running Drug Discovery Process on Blockchain

Setting up an AI enabled cloud platform in drug discovery process

Engagement Model

Discover for Innovation

Identify opportunities and classify capability baseline from client stakeholders

Prioritize high impactful/ROI areas where we need to go for digital transformations to align business with Industry 4.0+ initiatives

Design for Transformation

Design use-cases, perform technical research and create specifications on areas for innovation

Study data related to earlier business transformations, in-flight projects, and current performance level KPIs to benchmark against the industry

Develop for Performance

Develop an industry alignment to post covid-19 era, sustainability goals and industry 4.0+ demands

Build a responsive digital ecosystem built on **5R** -
Real-time Monitoring, Remote Operations, Robotic Process Automation, Responsive Support & Risk Controls



Thank You

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