New age hospitals need...

● Speed ● Real-Time Data ● Agility ● Actionable Insights

PerformRx

A ready-to-install solution providing a 360° view of critical hospital operations:

❯ Tracks ~200 key operational performance metrics
❯ Highlights anomalies and predicts trends

❯ Integrates hospital operations management suite
❯ Provides an intuitive visualization interface

Big Data Challenges Hospitals Face

Lack of non-EMR data transparency and reporting delays that impede actioning	Lack of a consolidated data model for hospital operations	Excessive manual intervention in data consolidation leads to errors	Over-exploding data volume continues to challenge hospitals
Departmental data silos do not communicate	**Quagmire of Health IT systems**	**Key operational metrics are prone to "human error"**	**Operational costs drive up to 34% of total expenses**
❯ Administrative data is stored and used by financial management departments. But, quality and outcomes data is stored and used by risk management departments.	❯ IT systems in hospitals are typically a mix of both legacy and modern systems and are not integrated.	❯ Non-standard formats are maintained across the health IT systems (outpatient information system, patient registration information, critical area operations, etc.).	❯ Big data in the healthcare industry is expected to grow rapidly through 2025. This causes hospitals to face significant data management challenges.
❯ Centers for Medicare and Medicaid Services (CMS) data is used for retrospective measures of hospital performance.	❯ Unidirectional legacy systems make it difficult for systems to interact amongst themselves.	❯ Tenuous, manual process is involved to consolidate information and to provide a 360° view of hospital operations.	❯ Hospitals are finding it increasingly difficult to maintain data in their on-prem data centers - **4TB data per firm with a CAGR of 36%.**
	❯ Incomplete enterprise level view of operations.		

How PerformRx Helps Your Business

- Better outcomes, improved bottom-line, enhanced employee morale
- Real-time or near-real-time visibility, as applicable, into key operational insights and metrics that drive costs, performance, and credibility
- Deliver MVP in ~45 to 60 days through our plug and play offerings
- Low noise and low-footprint effort with marginal FTE involvement from hospitals
- Minimum change management required
- Easy customizations leveraging low-code-based analytics platform

The Data-to-Insights Journey

Structured & Unstructured Data → **Consolidated Data Model** → **Pre-built Algorithms** → **Insightful Dashboards**

Ingest
- Easy connectivity to all enterprise data sources
- Scheduled and real-time data update options

Store
- Big data platform storing up to 50 terabytes of data
- Unified layer of non-EMR data facilitating insights

Analyze
- Pre-configured metrics and alerts on hospital operations
- Feature-rich libraries on AI/ML algorithms

Visualize
- Insightful dashboards with drill-downs and notifications
- "What-if" scenario analysis, free text searches, etc.

Delivering tangible value in less than 2 months …

Some of the insights you will receive …

Admissions Analysis
- Average time to discharge
- # of Admissions by department over time
- Patients arrival rate
- # Re-admissions for same condition over time
- more …

Bed-Utilization Analysis
- Bed Occupancy Ratio
- Bed Turnover Ratio
- more …

Disease Analysis
- # of Post-operative sepsis
- #/% of patients on ventilation
- # cases of decubitus
- more …

Events Analysis
- Crude ICU mortality rate
- Patient-to-staff ratio
- more ….

Who We Are

At TCG Digital we have equipped ourselves with hyper contemporary technologies, domain expertise, and a top-notch talent pool to make every element of your day-to-day operations more predictive, intuitive, and efficient.

As a full-services provider, we specialize in offering turnkey solutions to healthcare organizations. Our comprehensive suite increases operational efficiency, lowers costs, and improves the quality and delivery of patient care.
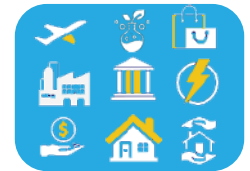
100 +
Global Clients

10 +
Successful Years

1000 +
Digital Minds *

50 +
Platform Licenses

10 +
Industry Verticals

Our Footprint

New Jersey | New York | Chicago | Washington, D.C. Area | Mountain View
Frankfurt | Dubai | Kolkata | Mumbai | Gurugram | Singapore

* number pertains to the TCG ecosystem

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