



BUSINESS INTELLIGENCE



CLINICAL



DECISION MAKING



PATIENT CARE

PROFESSIONAL HEALTHCARE & HOSPITAL BI SOLUTIONS

ELEVATING CLINICAL EXCELLENCE
THROUGH DATA INTELLIGENCE

WHAT YOU GET



HOSPITAL OPERATIONAL EFFICIENCY & ER DASHBOARD

Real-time flow visibility, bottleneck identification, and optimized bed capacity management.



HEALTHCARE FINANCIAL & REVENUE CYCLE INTELLIGENCE

RCM optimization, departmental expense drill-down, and predictive procurement analytics.



MEDICAL STAFFING & WORKFORCE OPTIMIZATION SYSTEM

Data-driven labor mapping to patient demand, overtime & burnout risk tracking, and agency analysis.



CLINICAL QUALITY & PATIENT OUTCOMES ANALYTICS

Readmission risk forecasting, HAC & infection tracking, and HCAHPS sentiment analysis.



MEDICAL STAFFING & WORKFORCE

Acuity-Based Staffing Levels

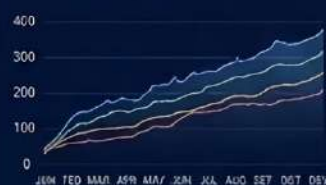


Burnout Risk Score



PATIENT OUTCOME PERFORMANCE PANEL

READMISSION RISK FORECASTING



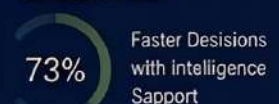
HCAHPS SURVEY FEEDBACK



GRADUATE PLACEMENTS WITH INDUSTRY PARTNERS



MASTERS PROJECT COMPLETION RATE



PARTNER WITH US



SUSTAINED
COMPLIANCE



PATIENT
SAFETY



FINANCIAL
TRANSPARENCY



OPERATIONAL
EXCELLENCE



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CUSTOMIZED SYSTEM FOR HOSPITAL OPERATIONS

A comprehensive management system that streamlines operations, improves efficiency and connects all hotel departments in one platform.

FEATURES INCLUDE:



Patient Flow Tracking

Real-time visibility into ER wait times, Triage-to-Bed, and Discharge bottlenecks.



Bed Capacity Management

Dynamic tracking of Available, Occupied, and Blocked beds by ward type.



Surgery Department Utilization

Monitoring OR block utilization, turnaround times, and scheduling delays.

Business Intelligence Company Advantage

NOTE: Leveraging global expertise in transactional infrastructure and predictive control to optimize clinical asset flow.

BENEFITS:



Smarter Decision-Making

Faster, data-driven operational pivots.



Improved Workflow Management

Enhanced clinical coordination.



Maximized Resource Use

Optimizing bed and OR utilization.



Departmental Visibility

Clear, cross-department coordination.



Hospital Operational Efficiency & Emergency Room (ER) Dashboard

- Current ER Occupancy 78%
- Avg Triage-to-Bed (mins) 30
- Triage-to-Bed (mins) 50
- Avg Triage-to-Bed (mins) 30
- Patient Throughput 1.1

Current ER Census

78%

↑ vs last week

Median ER Wait Time

30

↑ vs last week

Median Triage-to-MD

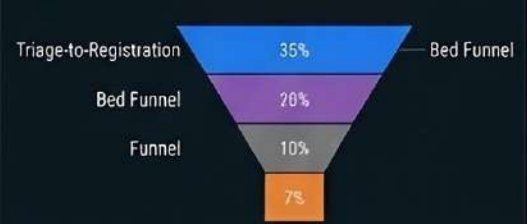
1.1

↑ vs last week

Median Triage-to-Bed Time Trend



TRIAGE-TO-REGISTRATION-TO-BED FUNNEL



DYNAMIC BED CAPACITY MANAGEMENT



SURGERY DEPARTMENT UTILIZATION



OR BLOCK UTILIZATION (%)



DISCHARGE PERFORMANCE & BOTTLENECKS

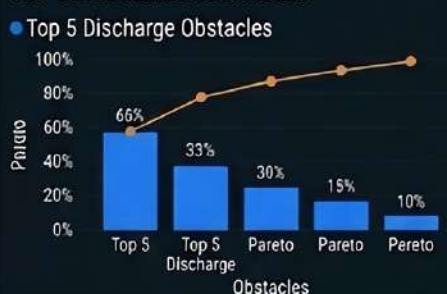
AVG TIME TO DISCHARGE FS & BOTTLENECKS



SCHEDULING & DELAYS



TOP 5 DISCHARGE OBSTACLES



OR TURNAROUND TIME (e.g., mins)



FAST, DATA-DRIVEN DECISIONS



IMPROVED PATIENT EXPERIENCE



OPTIMIZED RESOURCE ALLOCATION



FINANCIAL TRANSPARENCY



SERVICE 2: HEALTHCARE FINANCIAL & RCM INTELLIGENCE

A comprehensive solution to manage hospital finances and the complete revenue cycle in one platform.

FEATURES INCLUDE:



Revenue Cycle Management (RCM)

Real-time monitoring of accounts receivable (A/R) days, claim denial rates.



Departmental Expense Drill-Down

Deep financial analysis tracking cost-per-case, medication expenditures.



Procurement & Inventory Analytics

Predictive tracking for medical supplies, PPE, and pharmacy stock.



Clinical Asset Amortization

Depreciation and utilization tracking for expensive medical equipment.

Business Intelligence Company Advantage

Utilizing predictive control and transactional infrastructure logic to secure hospital revenue streams.

BENEFITS:



Maximized Collections

Reduced A/R days and faster payment.



Optimized Cost Management

Data-driven expense pivots and procurement.



Increased RCM Efficiency

Higher first-pass claim acceptance.



Financial Transparency

Accurate departmental profitability tracking.



Departmental Healthcare Financial & Revenue Cycle Intelligence

RCM KEY PERFORMANCE INDICATORS

Total Revenue

\$38,998

↑ vs last week

Cost-Per-Case

16.6

↑ vs last week

Net Collection Rate

98%

↑ vs last week

Net Collection Rate

9.2

↑ vs last week

A/R Days

4.4

↑ vs last week

Avg Depte-Tolgos

1.0

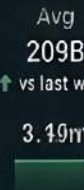
↑ vs last week

CLAIM DENIAL TREND

Initial Denials Appeal Success Rate Total Claim Value



Total Claim Value
Avg
209B
↑ vs last week



PAYER PERFORMANCE SCORECARD

Collection % Avg Payment Time



DEPARTMENTAL REVENUE & COST DRILL-DOWN

	Revenue	Cost	Margin %	Top Expense Driver	Supply Inventory Level
Emergency	\$10,962.000	\$2,387.00	76.98%	Emergency	10%
	\$9,753.900	\$7,717.00	30.30%	Surgery	90%
	\$6,938.000	\$3,964.00	16.61%	Top Expense Driver	30%
Surgery	\$7,998.000	\$1,967.00	55.36%	Surgery	50%
	\$6,922.500	\$1,839.00	39.30%	Critical Care	90%
	\$6,309.000	\$1,933.00	20.20%	Pharmacy	70%
Critical Care	\$2,333.000	\$1,737.00	46.51%	Top Expense	20%
	\$2,358.000	\$1,362.00	19.93%	Top Expense Driver	20%
	\$1,990.000	\$1,036.00	23.30%	Pharmacy	10%
Pharmacy	\$1,098.000	\$1,079.00	10.86%	Top Expense Driver	70%
	\$669.000	\$560.00	9.73%	Supply Inventory Level	8%

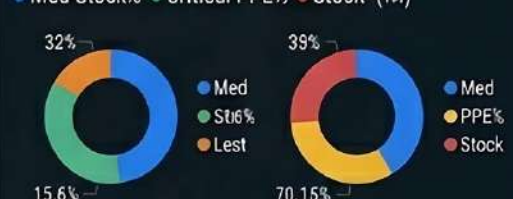
COST-PER-CASE BY DIAGNOSIS-RELATED GROUP (DRG)

Pareto Chart



PROCUREMENT & INVENTORY STATUS

Med Stock% Critical PPE% Stock (1%)



A/R AGING BREAKDOWN

0-30 days 31-60 days 61-90 days +90 days



REVENUE RECONCILIATION TREND

Gross Revenue Contractual Allowances Net Revenue



SECURE FINANCIAL FUTURE



IMPROVED OPERATIONAL EFFICIENCY



OPTIMIZED RESOURCE USE



FINANCIAL TRANSPARENCY



SERVICE 3: WORKFORCE & CLINICIAN INTELLIGENCE

A data-driven approach to map labor resources directly to actual patient demand.

FEATURES INCLUDE:



Patient-to-Staff Ratio Analytics

Compare nursing schedules to dynamic patient acuity scores.



Clinician Well-being & Burnout Risk

Monitor consecutive shifts and workload balance.



Agency vs. Full-Time Staffing Analysis

Track costs and reliance on external staffing sources.



Skill Mix Optimization

Ensure the right certifications are in the right departments.



Workforce Retention Analytics

Predict and analyze staff turnover drivers.

Business Intelligence Company Advantage

Leveraging predictive control to forecast dynamic staffing requirements with unparalleled accuracy.

BENEFITS:



Maximized Resource Utilization

Reduced agency dependency and optimized shifts.



Improved Staff Well-being:

Lower burnout risk and higher job satisfaction.



Enhanced Patient Safety

Better patient-to-staff ratios and care consistency.



Operational Cost Savings

Precision scheduling for peak and off-peak periods.



Departmental Medical Staffing & Workforce Optimization Intelligence

CURRENT CENSUS

185

AVG PATIENT ACUITY

2.1

↑ vs target 1.9)

OVERTIME RATE

11%

↑ vs target 9%)

BURNUP RISK SCORE

4.2/5

↓ (Elevated)

AGENCY HOURS

1450

↑ vs target 1200)

REAL-TIME PATIENT-TO-STAFF RATIO (BY WARD)



CLINICIAN SHIFT & OVERTIME TRENDS



LABOR COST DRILL-DOWN (BY DEPARTMENT)

Department	Revenue	Cost	Margin %
Critical Care	\$10,962.000	\$2,387.00	79.9%
	\$9,753.900	\$7,717.00	10.3%
	\$6,938.000	\$3,964.00	16.8%
Surgery	\$7,998.000	\$1,967.00	33.3%
	\$6,922.500	\$1,890.00	35.3%
	\$6,309.000	\$1,933.00	20.2%
Critical Care	\$2,338.000	\$1,737.00	45.5%
	\$2,358.000	\$1,382.00	13.9%
Pharmacy	\$1,990.000	\$1,036.00	23.9%
	\$1,098.000	\$1,079.00	18.9%
	\$689.000	\$560.00	8.7%

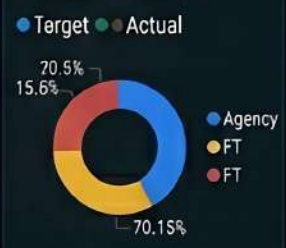
ACUITY-BASED WORKLOAD DISTRIBUTION



LABOR COST DRILL-DOWN (BY DEPARTMENT)

Department		Clinician Hours	Avg Labor Rate	Total Dept Labor Cost
Critical Care	1,274,330	FT Agency	FT vst 92	\$10,624,600
ER	378,700	FT Agency	FT vst 92	\$9,777,900
Surgery	583,250	Agency	FT vst 92	\$1,492,100
Critical Care	363,300	Agency	FT vst 93	\$1,393,300
General Surgery	313,300	FT Agency	FT vst 90	\$1,393,300
Others	136,900	Agency	7.7%	\$1,398,000

PRODUCTIVITY %



STAFF RETENTION & TURNOVER ANALYSIS



AGENCY STAFFING DEPENDENCY & COST ANALYSIS



SECURE FINANCIAL FUTURE



IMPROVED OPERATIONAL EFFICIENCY



OPTIMIZED RESOURCE USE



FINANCIAL TRANSPARENCY



SERVICE 4: CLINICAL QUALITY & PATIENT OUTCOMES ANALYTICS

A data-driven approach to map labor resources directly to actual patient demand.

FEATURES INCLUDE:



Readmission Risk Forecasting

Compare now design schedules to dynamic patient acuity scores.



HAC & Infection Tracking

Hygiene use and hygiene and to pret and patient safety.



Patient Satisfaction (HCAHPS)

Survey satisfaction (HCAHPS) monitor and survey feedback.



Regulatory Compliance Metrics

Compare regulatory compliance metrics.



Patient Safety Benchmarking

Ensure patient safety variations.

Business Intelligence Company Advantage

Our data expertise in Hospitality Loyalty translates into optimizing the Patient Care Experience, transforming unstructured survey and clinical feedback into clear executive systems.

BENEFITS:



Reduced Readmission Rates

Reduced readmission trend down.



Lowered HAC & Error Rates

Lowered HAC & Error Rates.



Increased Patient Retention

Increased Patient Retention.



Enhanced Quality Ratings

Enhanced Quality Ratings.



Departmental Clinical Quality & Patient Outcomes Analytics

READMISSION RISK
(30-day Avg.)

18.5%

↑ vs target 17.0%

HAC INFECTION
RATE

1.2%

↑ vs target 1.1%

HCAHPS PATIENT
SATISFACTION

82.5%

↑ vs target 80.0%

MEDICATION
ERROR RATE

0.04%

↑ vs target 0.05%

PATIENT SENTIMENT
SCORE

4.1/5

(Elevated)
(Positive: 11, negative: 0,
Neutral: 0, denied)

REAL-TIME HAC INFECTIONS (BY DEPARTMENT)



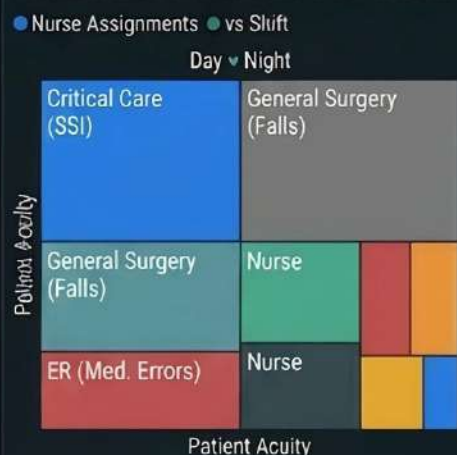
READMISSION RISK (BY PATIENT TYPE & ACUITY)



HAC DRILL-DOWN (BY DEPARTMENT)

Department	HAC Rate	Error Count	Compliance
Critical Care	\$10,962,000	1,074	▲ 15.2%
	\$9,753,500	652	▲ 15.3%
	\$6,939,000	579	▲ 15.9%
Surgery	\$7,999,000	332	▲ 23.9%
	\$6,922,500	698	▲ 25.5%
	\$6,309,000	257	▲ 35.3%
Critical Care	\$2,333,000	422	▲ 15.3%
	\$2,338,000	179	▼ 23.3%
Pharmacy	\$1,990,000	362	▲ 15.3%
	\$1,098,000	157	▲ 9.9%
	\$659,000	467	▲ 0.7%

HAC & INFECTION WORKLOAD DISTRIBUTION



HAC DRILL-DOWN (BY DEPARTMENT)

Department	Clinician Hours	Avg Labor Rate	Total Dept Labor Cost
Critical Care	1,274,330	FT Agency	FT vst 92
ER	372,700	FT Agency	FT vst 92
Surgery	382,250	FT Agency	FT vst 92
Critical Care	363,300	Agency	FT vst 92
General Surgery	313,300	Agency	FT vst 90
Others	136,300	Agency	7.7%
			\$1,398,000

PRODUCTIVITY %



PATIENT SENTIMENT DISTRIBUTION



HCAHPS TREND OVER TIME (Last 12 Months)



SECURE FINANCIAL
FUTURE



IMPROVED OPERATIONAL
EFFICIENCY



OPTIMIZED RESOURCE
USE



FINANCIAL
TRANSPARENCY