

PATIENT CENTERED SYSTEM OF CARE

Patient Visibility, Predictive Provider and Resource Utilization
Improve the Quality and Cost-effectiveness of Healthcare

OPTIMIZE AND MANAGE PATIENT FLOW

MANAGE
PATIENT
FLOW



PERFORMANCE
METRICS,
REPORTING
& ANALYTICS



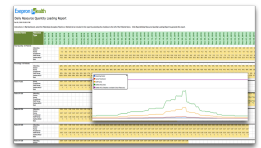
PREDICTIVE
PROVIDER
AVAILABILITY
& UTILIZATION



CASE MANAGEMENT,
RISK MANAGEMENT
AND
COMPLIANCE



CAPACITY
AVAILABILITY,
& RESOURCE
UTILIZATION



COLLABORATIVE
COMMUNICATION
& VISIBILITY



CARE
PLAN
MANAGEMENT

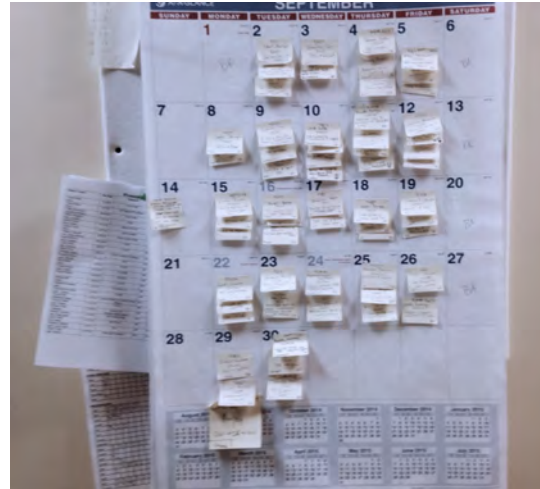


Patient, Provider & Resource Visibility



Predictive Scheduling Platform

CURRENT CHALLENGES



VARIABLE AND UNPREDICTABLE PATIENT FLOW

- Over-crowded Units
- Patient backlog (Bottlenecking)
- Inconsistent Patient experiences
- Unnecessary delays in the Care Plan
- Potentially turning Patients away
- Inconsistent Admission and Discharge Patterns



UNPREDICTABLE PROVIDER AVAILABILITY AND UTILIZATION

- Lack of Visibility
- Provider over or under utilization
- Provider Fatigue
- Use of Locums and Travelers
- Increased premium pay



UNPREDICTABLE RESOURCE AVAILABILITY AND UTILIZATION

- Lack of Visibility
- Delays and Rescheduling
- Supporting Service Delays
- Over and under utilized Capacity (bed availability)



LIMITED COLLABORATION BETWEEN PROVIDERS AND ADMINISTRATION

- Lack of Visibility
- Reactive Scheduling and Management
- Perceived competing interests: Financial Performance vs. quality Patient Care

Despite expensive Patient Care Systems,
Sticky-notes and Whiteboards still prevail.....

Transformational Forward Looking Methodology for Neonatal Intensive Care Unit

“Exepron provides a forward looking, collaborative care planning tool for resource planning and length of stay (LOS) management to optimize patient flow, nursing resources and bed availability”.

Don Mueller, CEO, FACHE, Children's Hospital at Erlanger



Cost Efficiency plus improved Social Benefit to the Community.

- ✓ NICU unit capacity increased by 20%
- ✓ Length of stay decreased by 10%
- ✓ Overtime decreased significantly.

CASE STUDY: Children's Hospital at Erlanger NICU

Background

- ✓ Inconsistent discharge patterns among attending Neonatologists.
- ✓ Increased scrutiny on NICU costs and LOS.
- ✓ Overall NICU expenditures in TN.
- ✓ Nursing shortage, use of travelers and increase premium pay.
- ✓ Limited collaboration between Maternal Fetal Medicine and Neonatology.

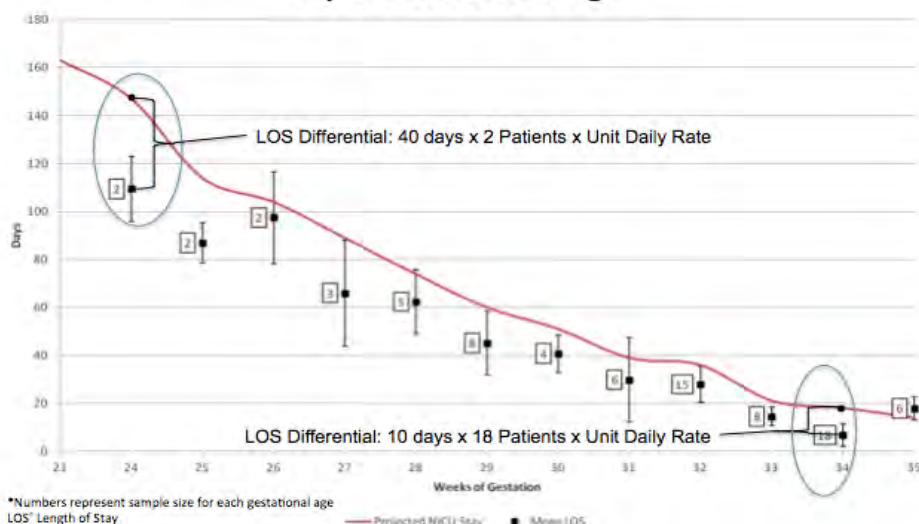


After 9 months of using Exepron Health

- ✓ Projected NICU Occupancy Facilitates Staffing and Anticipates Other Resource Needs
- ✓ NICU unit capacity increased by 20% on average
- ✓ Actual Length of stay (LOS) decreased by 10%
- ✓ Overtime decreased significantly.

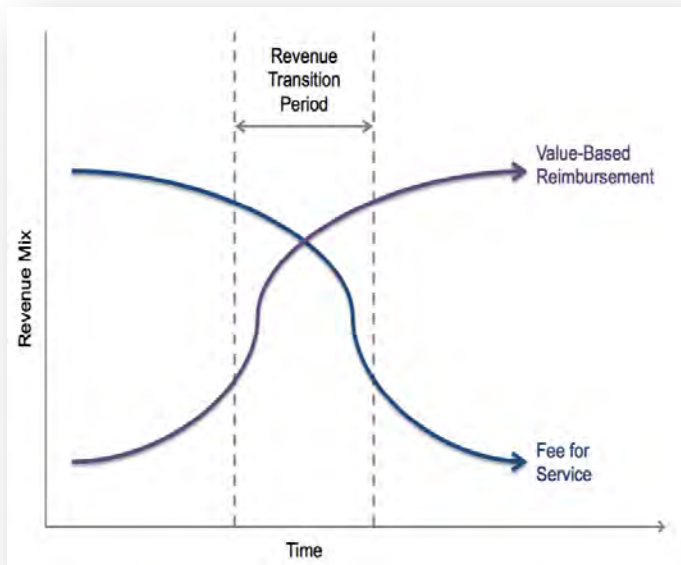
64 bed NICU:
Managing the
Care Path
Length Of Stay
(LOS) efficiency,
Patient Outcomes
and Experience.
Added 20% Capacity.

Actual LOS^a vs. Predicted LOS by Gestational Age



Exepron Health assisting Hospitals Transition to Value-based Reimbursement while Managing Daily Logistics

- 1) Focus on shared savings programs to maximize reimbursement.
- 2) Improve operating costs by delivering efficient care – streamline and eliminate waste.
- 3) Capture more patients as a Top Performer!



Exepron Health
Facilitates
the Transition from:

*Fee for Service
to
Value-based
Reimbursement!*

Independent of any changes to Healthcare Reimbursement, two truths will prevail:

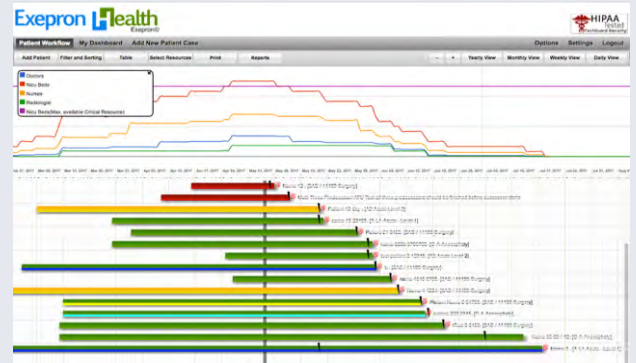
- ☞ Efficient Delivery of Cost-effective, high quality Patient Care
- ☞ Waste Reduction

**EXEPRON'S PREDICTIVE
CRITICAL RESOURCE SCHEDULING**
Increases Total Unit Throughput

Children's CICU:
Surgery Rescheduling Reduced from
27% to 6% in 3 months



PATIENT CENTERED SYSTEM OF CARE



OPTIMIZE AND MANAGE PATIENT FLOW IN REAL-TIME:

- Predictive and dynamic Visibility of Patient Length of Stay
- Patient centered Collaboration to manage variability for Effective Care Plan Management
- Advanced Predictive Scheduling Platform with forward-looking intelligence for Length of Stay Management
- Visibility and Management of Length of Stay of ALL Patients in a Unit.



PREDICTIVE AVAILABILITY & UTILIZATION OF PROVIDERS, RESOURCES, INCLUDING CRITICAL RESOURCE CAPACITY:

- Capacity optimization to ensure timely availability of Resources and Providers at the point of care.
- Predictive, Focused Priority System of real-time Resource load-sharing to indicate current and future Resource requirements
- Collaborative Communication and Visibility between Providers and Administration.



FACILITATES RISK MANAGEMENT, CASE MANAGEMENT AND COMPLIANCE:

- Healthcare centric Dashboards to support Executive, Management and Administration decisions
- Dynamic Provider and Resource Requirements Planning and Budgeting
- Patient Flow Analysis
- Analysis of past and current Performance Metrics and Analytics.

EXEPRON HEALTH, TRAINING & IMPLEMENTATION SERVICES INCLUDE:

- Patient Flow Analysis
- Current State Assessment
- Benchmarking, ROI Analysis
- Process Improvement Projects
- Customized Implementations
- Hands-on Training and Scheduling Procedures for Providers and Administration.

SCHEDULING WITH PREDICTIVE RESOURCE MANAGEMENT
Forward Looking providing Real-Time Visibility