

THE PROVIDER SPACE MEETS ALL THE REQUIREMENTS FOR OPTIMIZATION TO DELIVER VALUE



Decision spaces involve multiple variables and trade-offs



Objectives are definable and often compete with one another



Constraints limit a firm's ability to maximize each objective, and interplay with one another



Complexity and the corresponding impact of deploying optimization are high



10 USE CASES FOR PRESCRIPTIVE ANALYTICS IN HEALTHCARE

Optimization of ED, OR, PACU and ICU scheduling policies Long-term
business
model/risk
evaluation
(e.g. physician
employment,
ACO)

Network optimization of facilities and service lines Regional policy optimization including coverage network, ambulance/ED, specialized clinics and GP policies

Population management / outreach program optimization, downstream resource requirements and financial performance



Optimization of resources/ activities for revenue cycle management

Clinical process design & optimization

Driver-based financial planning including physician group hire/fire/M&A Optimization of physician line-up, hospital resources and case mix across service lines to meet demand and financial targets

Hospital constraint modeling to reduce cost and increase throughput understanding domino and cross constraint impacts



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