



PRO (PROSPECTIVE, REAL-TIME, OPERATIONS) OR TOOL

*UNIVERSITY OF UTAH HOSPITAL
OUTPATIENT SURGICAL LEADERSHIP TEAM (OSLT)
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CONFIDENTIAL

INTRODUCTION

- High Healthcare Costs Continue to Increase
- Health Systems are Pushed to Be More Efficient
- Perioperative Environment = High Revenue & High Cost
- Efficiently Managed Resources = Profit Maximization

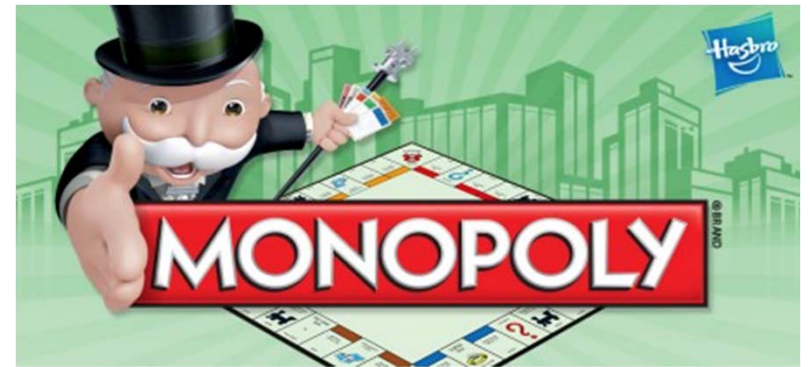
PRO OR TOOL – GOALS?

Efficiently utilize capital & human resources within the perioperative environment

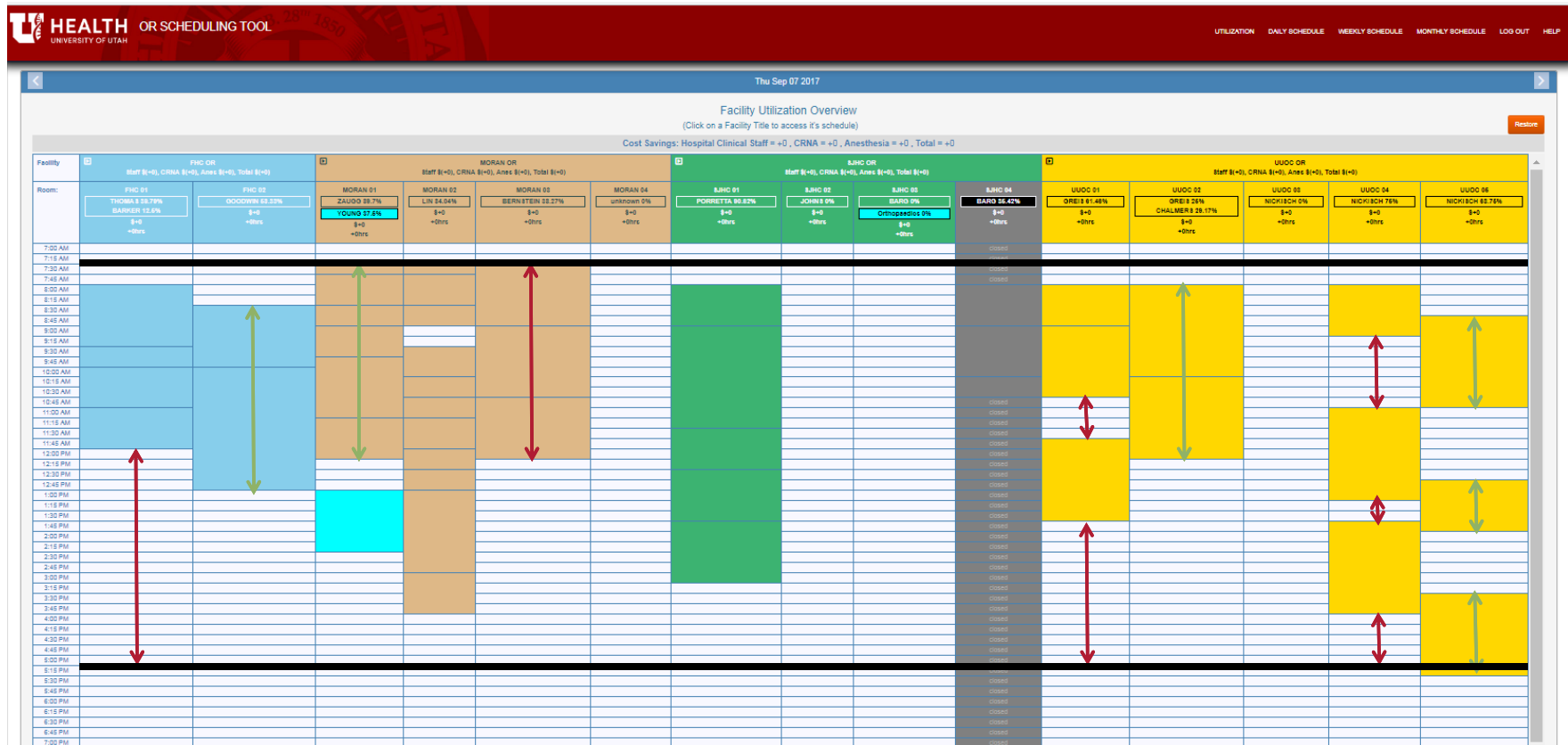
Our Vision

- A Graphical User Interface Using Real-Time Representation of Surgical Case Schedules that Allows:
 - Hypotheses Testing
 - User Tracking
 - Macro Building
 - Machine Learning

PRO OR TOOL – WHAT IS IT PRESENTLY?



PRO OR TOOL – HOW DOES IT WORK



PRO OR TOOL – HOW DOES IT WORK

FHC OR - Thu Sep 07 2017		
Select Version: <input type="text"/> Save Save As New Restore Staff = \$389.4 (+0) , CRNA = \$1280 (+0) , Anesthesia = \$1600 (+0) , Total = \$3269.4 (+0)		
FHC 01 THOMAS, BRUCE E - 8:00AM - 4:00PM THOMAS 39.79% BARKER 12.5% Cost: \$824.07 +0 (Time: +0hrs)		FHC 02 GOODWIN, ISAAC ARON - 8:00AM - 4:00PM GOODWIN 33.33% Cost: \$845.33 +0 (Time: +0hrs)
7:00 AM		
7:15 AM		
7:30 AM		
7:45 AM		
8:00 AM		
8:15 AM	(276171) 8:15 AM - 9:30 AM THOMAS, BRUCE E right shoulder arthroscopy, acromioclavicular joint repair and capsular shift	
8:30 AM		
8:45 AM		
9:00 AM		
9:15 AM		
9:30 AM	(276170) 9:30 AM - 10:11 AM THOMAS, BRUCE E left knee arthroscopy lateral meniscus debridement vs repair	(278013) 8:30 AM - 10:00 AM GOODWIN, ISAAC ARON Bilateral upper eyelid blepharoplasty
9:45 AM		
10:00 AM		
10:15 AM	(278127) 10:15 AM - 11:11 AM THOMAS, BRUCE E right elbow open, delayed primary closure	
10:30 AM		
10:45 AM		
11:00 AM	(278941) 11:00 AM - 11:11 PM BARKER, JAY JAY port-a-cath placement	(275235) 10:00 AM - 1:10 PM GOODWIN, ISAAC ARON Bilateral mastopexy
11:15 AM		
11:30 AM		
11:45 AM		
12:00 PM		
12:15 PM		
12:30 PM		
12:45 PM		
1:00 PM		
1:15 PM		
1:30 PM		
1:45 PM		
2:00 PM		

WHERE YOU ALL CAN HELP

- Develop Optimizing Algorithms (“easy buttons”)
- Enhance & Optimize Current User Interface
- Engineer Solutions to Integrating Real-Time Data from Multiple Databases
- Introduce Machine Learning Possibilities