

# Artificial Intelligence: How to Unlock Value in Hospital Operations



Health care is a complex industry with high and fixed labor costs, variable and unpredictable demand, and historical difficulty in adopting technology. However, technology has advanced enough to add significant value to hospital operations by predicting changing volumes in real time and matching staffing levels to optimize efficiency and balance operational priorities.

## HOW DO YOU DO THAT?

### FORECAST



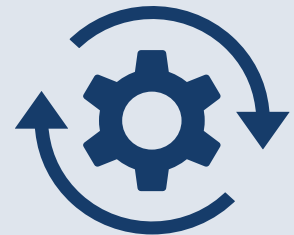
- ✔ Use historical volume data to train algorithms that predict future volume
- ✔ Predict volumes 60-90 days in advance
- ✔ Forecast # of patients daily and per hour

### SIMULATION



- ✔ Use digital twin simulations to predict case mix
- ✔ Runs hundreds of thousands of potential scenarios
- ✔ Identifies most likely pattern

### SOLVER



- ✔ Use sophisticated algorithms to optimize staffing levels
- ✔ Volume + Acuity + Arrival Patterns = Staffing Plan

**THE TECHNOLOGY IS HERE. THE TIME IS NOW.**

**SCP**  
HEALTH

scp-health.com

888-902-3627

@ Business\_Development@scp-health.com