



# Case Study: Amazon Web Services

## OVERVIEW

Our mission is to make people healthier by integrating information technology, engineering, science and clinical insights. Advanced EHRs and other complex applications have become essential to improving clinical and administrative operations. Leidos can help make these diverse systems work together to deliver maximum return on those large investments.

## ACCELERATING READINESS FOR MISSION SUCCESS

### Challenge

Provide clinicians and administrators at large healthcare organizations a means for quickly spotting and addressing out-of-bounds situations in patients' clinical pathways, managing staff workflows, and monitoring projected availability of resources.

### Approach

Developed a cloud-based application—built on an enterprise platform using AWS services—that followed patients through their course of care and monitored patients' status and progress against pre-determined clinical care pathways. The application integrated data across a healthcare organization's disparate systems, presented key metrics to hospital staff via dashboards, and alerted when a patient fell outside of set parameters, allowing improved prioritization of daily clinical activities.

### Results

- ▶ Joint-replacement patients' average length of stay reduced by a half day
- ▶ Performance around key metrics (e.g., ambulation following surgery) improved