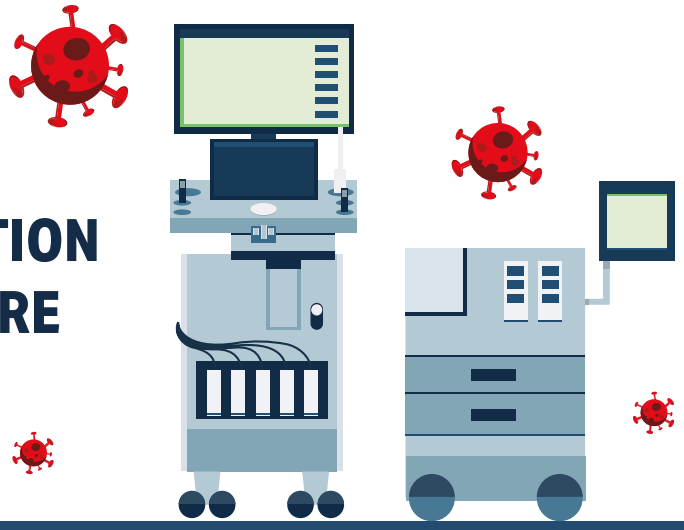
Cynerio

LEVERAGING DEVICE UTILIZATION DATA TO OPTIMIZE HEALTHCARE FACILITIES MANAGEMENT



Objectives

Hospitals need to optimize efficiency and preparedness to handle:

- Quick device location, relocation, and procurement
- Equipment shortages in case of emergencies
- Fast quarantine ward and field hospital set-ups

Challenges

Hospitals must ensure optimal clinical workflow and patient outcomes, but lack of visibility into device utilization patterns makes it difficult to:

- Gauge device capacity by ward, site, and device type
- Understand what devices you have and how many must be procured
- Understand what devices can be relocated without disrupting care in their current locations
- Identify device downtime and schedule maintenance procedures that don't disrupt patient care

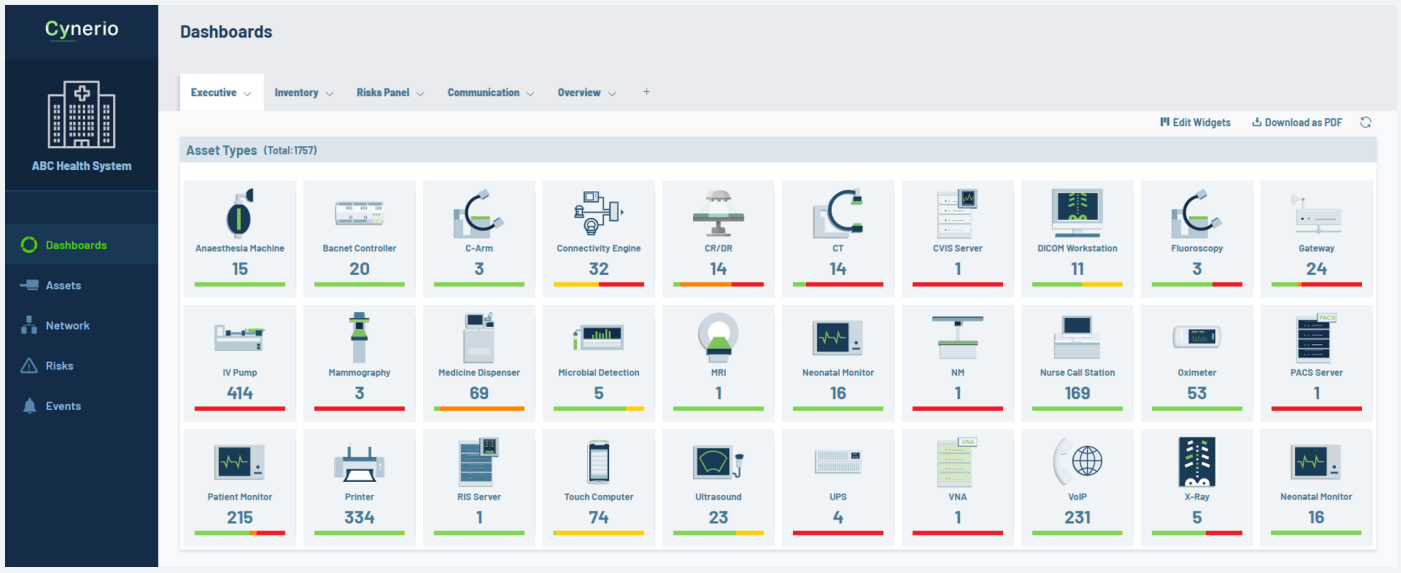
The Cynerio Solution

Cynerio's platform provides the ongoing visibility and actionable insights into device utilization patterns needed to make quick, informed decisions with:

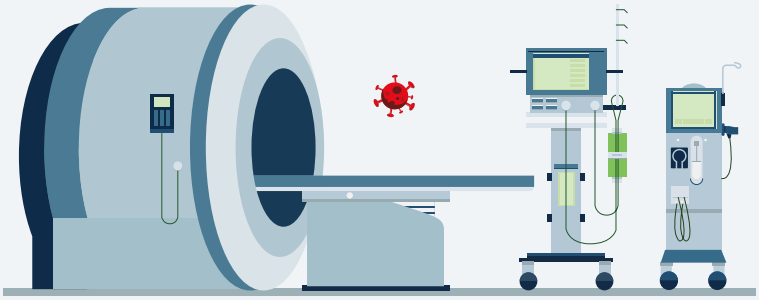
- Drilldowns into usage for individual devices and for device types by ward and site
- Alerts on device capacity (for individual devices and groups of devices across the organization)
- Insights into device location (by ward, department, off-site location)

How It's Done

1 **Automatically discover and categorize all devices on the clinical network, whether they're physically located in a field hospital, emergency quarantine ward, or standard hospital department.**



2 View devices' cross-ward and cross-site utilization patterns to understand which ones are in use, how many are available for use, and how many are offline.



Spotlight on COVID

Emergency COVID wards need more equipment fast to cope with the surge in patients.

The graph below shows IV pump distribution across multiple wards. In the COVID-19 ER, IV pump usage is high and availability is low. More pumps must be sourced to meet patient demand. The graph also shows that the hospital's Oncology ward has a surplus of online and unused pumps that can be moved immediately.

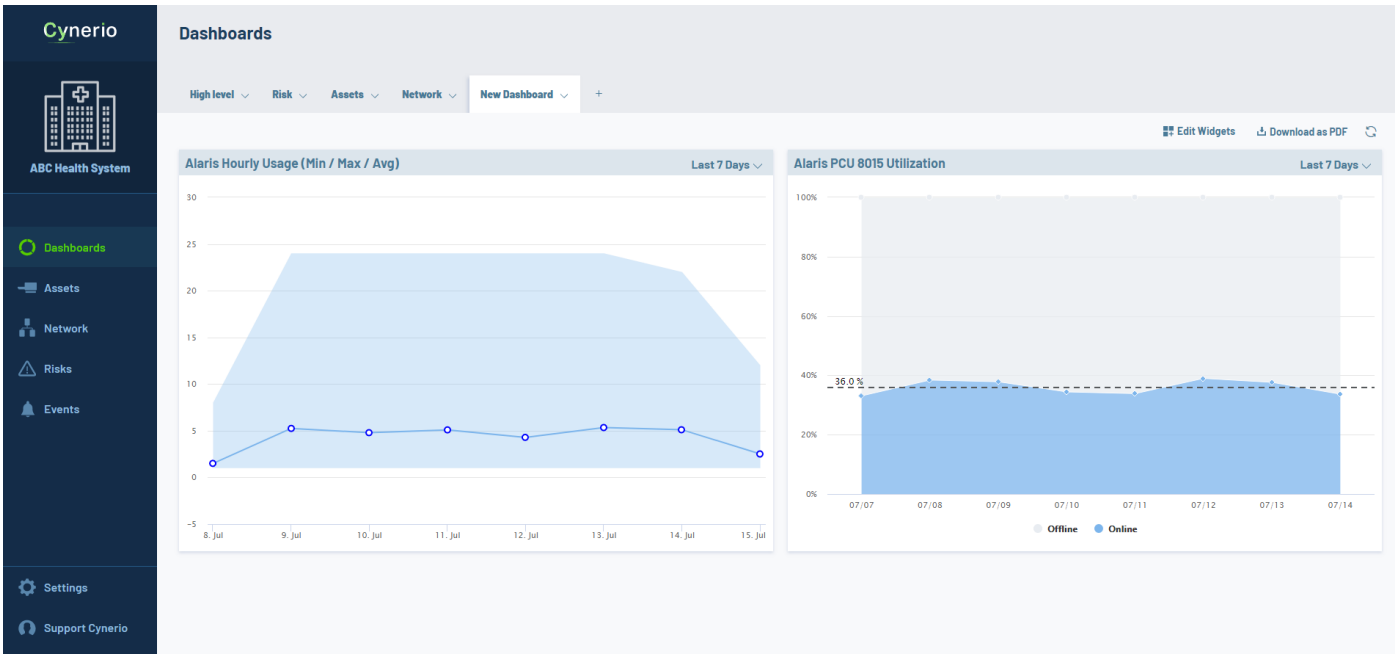
There are many offline pumps scattered throughout the hospital. These pumps might be candidates for relocation, but they need to be evaluated for safety, proper function, and maintenance requirements before

IV pump usage is highest, at 95%, in the COVID-19 ER

15% of IV pumps in the MICU are offline

33% of IV pumps in the Oncology ward are online but unused

3 **Gain insight into organization-wide IV pump usage and capacity by hour, week, and day.**



Results

Gain and maintain control of healthcare facilities with the key insights needed to protect patients and take quick and efficient action.

- Monitor and control device distribution to optimize utilization across all sites, including field hospitals and emergency quarantine units
- Know what devices are critical to procure, and avoid purchasing devices that are available but offline
- Understand device downtimes to devise safe maintenance and relocation schedules that don't interfere with patient care

Benefits

Cost Savings:

- Save on device procurement and maintenance budgets with optimal equipment distribution
- Maximize productivity

Emergency Preparedness:

- Make informed decisions that save time and human resources with insights into what devices are needed where and which ones can be safely relocated to other wards and sites, including field hospitals and emergency quarantine units
- Identify devices for procurement to maintain an emergency inventory

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About Cynerio

Cynerio is the world's premier Healthcare IoT cybersecurity solution. We view cybersecurity as a standard part of patient care and provide healthcare delivery organizations with the insight and tools they need to secure clinical ecosystems and achieve long-term, scalable threat remediation without disrupting operations or the delivery of care.