

CASE STUDY

Buffalo Surgery Center

Automated environmental monitoring improves safety and efficiency



About Buffalo Surgery Center

One of Western New York's leading multi-specialty ambulatory surgery centers, Buffalo Surgery Center offers orthopedic surgery, total joint replacements, gastroenterology and colorectal procedures, and physiatry services for non-surgical treatments. The center combines world-class technology, state-of-the-art equipment and a highly experienced team to meet the specialized needs of all patients.

Solution Implemented

- AeroScout Links Environmental Monitoring

"Everyone has been so surprised at how easy it is to use. You don't have to go in and look for problems. You're notified right away. Once it's set up, you don't have to think about it."

KRISTEN JACKSON, RN, BSN
GI PATIENT CARE MANAGER

THE NEED

Kristen Jackson, RN, BSN, had just started her role as GI patient care manager when the COVID-19 pandemic hit. The resulting shutdown gave Jackson unexpected opportunities to focus on process improvement initiatives—including investigating better ways to track and monitor environmental conditions.

The surgery center was relying on manual processes for monitoring temperature and humidity, with staff checking ambient conditions once a day and medication and vaccine fridges twice a day. The sensors were not accurate, the data-capture process was time consuming and error prone, and there was no coverage during weekends and holidays.

THE SOLUTION

Jackson's online research identified several potential options. Most seemed complicated, requiring special software and/or professional installation and limiting access to a single user. Jackson chose STANLEY Healthcare's AeroScout® Links because of its simplicity and ease of use: "I could do everything myself, including teaching my coworkers how to use it."

THE RESULTS

With AeroScout Links, Buffalo Surgery Center enjoys automated monitoring of environmental conditions and proactive alerts when temperature or humidity levels are at risk. The solution streamlined and improved log report accuracy to support audits by the Ambulatory Surgery Center Association.

Within a week, the solution's reporting and analytics capabilities helped identify that the HVAC system going into "energy saving" mode at night caused temperature and humidity to be too high in the morning. The team has since adjusted the settings to ensure safe conditions and on-time starts.