



## ***EFFICIENT & EFFECTIVE OUTCOMES IN REDUCING THE RISK*** **MoonBeam™3 User Experience**

### **GOAL: IMPROVE PATIENT SAFETY:**

The mission of CVHP is “to help people keep well in body, mind and spirit by providing quality health care services in a safe, compassionate environment. “ To help deliver on this mission, EVS Director Chris Swinton partnered with the nursing staff to enhance cleaning and disinfection practices and reduce the risk of human error by implementing an added level of disinfection assurance to create a safer environment of care. Their overall goal was to improve patient outcomes by reducing the risk of infection in the environment of care.

### **SOLUTION:**

First, the CVHP team did an assessment of cleaning practices. The infection prevention and environmental services teams collaborated to ensure the most efficient and effective protocol was in place, then created training tools to ensure that the key high touch surfaces throughout the room were properly cleaned and disinfected. They used laminated cards to reinforce this training for team members as reminders for their daily tasks.

After reviewing the evidence on the effectiveness of UV-C disinfectant technology, the team began their search to identify the right UV-C system to deploy across its facilities to provide added disinfection assurance after manual cleaning. They assessed where the highest risk areas were, and decided to first target isolation room discharges and terminal operating room cleans. The team is also evaluating use in additional areas such as the emergency department, equipment rooms and non-isolation patient room discharges.

After extensive research, the team decided to trial, and subsequently deploy, Diversey’s MoonBeam™3 technology. All team members were trained on how to use the device in conjunction with their manual cleaning and disinfection protocol, which allowed every environmental services member to operate the device as needed.

The key factors considered in UV-C device selection were the following:

- Simplicity of operation. Patient room turnover can be a challenge, and CVHP wanted every employee to be able to operate the system, and incorporate it into their patient room discharge process.



- Efficacy. MoonBeam3's articulating arms allowed for optimal UV-C dosing on both horizontal and vertical surfaces, and minimized the impact of shadowing.
- Cycle times.. Speed of room turnover is important, and for CVHP, "time is money," stated Chris Swinton, "having high census makes turnaround time critical." CVHP appreciated the fast, 3-minute cycle times of the MoonBeam3, and were able to modify their cleaning protocol to clean patient bathrooms first, enabling the system to run in the bathroom while the patient room was being cleaned, shortening the total cycle time.
- Portability. CVHP wanted a device that could be easily maneuvered, and quickly moved to where it was needed. The compact design also allowed it to be used in small spaces, such as patient room bathrooms, and stored with ease.

#### **RESULTS:**

Although the enhanced manual cleaning and UV-C disinfection systems have only been in place for a couple of months, CVHP has begun to see a reduction in isolation room infection rates, and continues to expand the use of their new cleaning protocol and UV technology to continue to improve results.

The products, practice and added assurance have raised both awareness and attention from staff members, patients and visitors, and many have expressed interest about what the devices do. Mr. Swinton believes that having the UV-C systems in place underscores the organization's visible and ongoing commitment to prevent infection and ensure a safer environment for its patients, visitors and staff.

#### **A FINAL WORD:**

CVHP healthcare staff has provided great feedback on the MoonBeam3 system. The system is "much easier to use than any other unit on the market," says Swinton. "Portability and ease of set up, moving the device from point A to point B, and addressing all surfaces and reducing the risk of potential shadow spots is much easier with the MoonBeam." When asked about cost and value, Swinton commented that MoonBeam3 is a great device, easy to deploy, easy for the C-suite to justify, and ongoing maintenance is minimal. For us, selection of the device was a "no brainer" and allowed CVHP to "get more bang for the buck".



**Elevating Health Care. Together.**

Citrus Valley Health Partners (CVHP) is a family of hospitals and a hospice that serves nearly one million residents in the East San Gabriel Valley. With four locations they offer comprehensive health care services, guided by their mission, to keep people well in body, mind and spirit.

As the largest, nonprofit health care provider for East San Gabriel Valley residents, Citrus Valley Health Partners serves the community through the work of four hospitals: Inter-Community Hospital, Queen of the Valley Hospital, Foothill Presbyterian Hospital and Citrus Valley Hospice and Home Health. CVHP's brand of technologically-advanced, comprehensive health care service is possible only through the combined effort of our talented employees, physicians, volunteers and donors who make up the CVHP family. CVHP has more than 600 beds and 3200 employees serving its communities.