



EFFECTIVE OUTCOMES WITH REASONABLE PRICING – MOONBEAM™ 3

MoonBeam™ 3 User Experience

GOAL: CONTINUED REDUCTION OF RISK OF TRANSMISSION OF PATHOGENS

The journey started in 2015 when Good Samaritan began looking for ways to reduce the risk of hospital acquired infections and improve the overall patient safety environment. The organization's hospital acquired *C. difficile* rates were not meeting performance improvement goals and the hospital was searching for strategies to reduce this rate. The Infection Preventionist attended the 2016 APIC Conference and was introduced to new technologies of UV environmental disinfection for battling hospital acquired *C-diff*. In reviewing 5-6 different products the team did a comparison on the offered features of each unit; such as run time, size, ease of use, overall cost and performance. Good Samaritan did not make an immediate purchase in 2016 due to significant barriers of product use and cost. Several of the units had too many "bells and whistles", and the total cost of technology and ongoing maintenance seemed prohibitive to the facility. In 2017, the team wanted to revisit the UV disinfection possibilities; they performed a literature and product search and discovered an advertisement for a newer, smaller, more portable unit with great reviews.

SOLUTION:

In late summer of 2017, Good Samaritan was introduced to MoonBeam™ 3. They reviewed the unit thoroughly evaluating the time and labor to complete the cycles. The units were brought into the hospital for a two week trial. After the trial was complete, the organization felt that having 3 units for the disinfection tasks would be more effective and efficient, running two units in the room and one in the bathroom simultaneously would be optimal. Key factors involved in their decision were the cost, ease of use, and minimal maintenance. Additionally, transportability was important as the units would travel over 5 patient floors in the hospital and to additional buildings within their campus.

The infection prevention team introduced the Moonbeam units to the Senior Leadership Team and received approval to present the project to the Good Samaritan Foundation Board for financial support. Monies were approved and the team was able to order the first unit within 6 weeks followed quickly by two additional units. The technology was initially utilized



to address *C. difficile* but very quickly Good Samaritan expanded the use for all isolation discharges. The hospital has had some excellent results; reducing their hospital acquired *C. difficile* by 75% when comparing 2017 to 2018.

Good Samaritan lists the key benefits as:

- Ease of training and device operation. “The system is very easy and efficient and has met our needs for disinfection,” says Robin McDonald, Infection Control Practitioner. “We have not experienced misuse or maintenance issues, and have not needed to increase our workforce to operate the units.”
- Ease of device set up and arm positioning has improved area coverage and allows direct positioning for high touch and contaminated surfaces.
- Portability has been great as the UV units have been moved all over the facility by the EVS staff. The team loves the maneuverability in tight and small spaces, and the ability to fit in patient care areas, restrooms and small storage for convenience.
- The available safety features are simple but effective in protecting the staff and the public from accidental exposure to UV rays.





A FINAL WORD:

Good Samaritan EVS and IP staff have provided great feedback on the MoonBeam3 system. When asked what McDonald would recommend to peers, the response was “if you are looking for effective outcomes and reasonable pricing for UV, we observed that UV is UV and this product is very effective for us....doing exactly what we need it to do. For the price of one competitive unit, you can get 3. These units are so portable that your team can even pack them up easily to transport to off campus locations, i.e., physician offices. We would definitely recommend MoonBeam3 from our experiences here at Good Samaritan.”

About Good Samaritan

Good Samaritan continually strives to provide the best possible patient experience to all patients and families. For more than 110 years, Good Samaritan has been a health care leader in southwestern Indiana and southeastern Illinois. Located in historic Vincennes, Indiana, Good Samaritan is a 158-bed community health care facility with over 1,900 employees and a commitment to delivering exceptional patient care.

Good Samaritan is proud to offer a broad range of medical services utilizing the most progressive technology available today.

The mission, vision, values and promise of Good Samaritan are as follows:

Mission

Provide excellent health care by promoting wellness, education and healing through trusting relationships.

Vision

To be the regional center of excellence in health care to support the communities we serve.

P.R.I.D.E. Values

Patient • Respect • Integrity • Dignity • Excellence

Promise

We promise to treat you like family by delivering compassionate, high-quality care throughout your journey.