



Skytron

UVC Disinfection

A Comprehensive Portfolio to Meet Your Unique Needs



By offering the most comprehensive portfolio of UVC on the market, Skytron has the ideal UVC solution to fill the need of any hospital, long-term facility, or any area that is improving infection control procedures. Through effective, single-cycle, whole-room disinfection, Skytron UV automatically delivers the correct dose ensuring maximum germicidal treatment with every cycle.

Patient Safety

Our solution is proven to kill bacteria, viruses, and fungi and help reduce HAI's which save lives.

Correct Dose

With our SmartDosage UV™ technology, we ensure the correct dose of germicidal energy every time.

Financial Impact

Our portfolio of UVC provides a choice for any budget, while still saving money on HAI's and improving your HAC score.

Trusted Partner

Skytron is a leader in medical devices and innovation. We focus on our partners to ensure your path to success.



Patient Safety

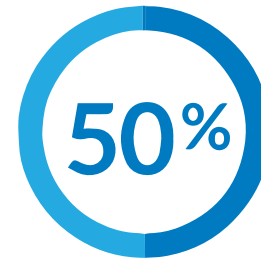


Financial Impact



Correct Dose

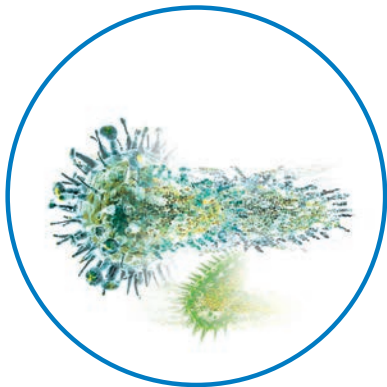
The Problem



Less than 50% of hospital room surfaces are adequately cleaned and disinfected with chemical germicides. The overall thoroughness of terminal cleaning is an average of 49%.^{3,4}



Each day, about 1 in 31 U.S. patients has at least one infection associated with hospital care. That is 1.7 million patients with an estimated 98,000 patients dying because of improper sanitation^{1,6}



The cost of HAI's from a Surgical Site infection costing around \$18,902-\$22,667 per incident
C.diff infection costing \$9,118-\$13,574 per infection.²



Hospitals with Total HAC Scores greater than the 75th percentile of all Total HAC Scores (i.e., the worst performing quartile) will be subject to a 1% payment reduction.⁵

1. Center for Disease Control and Prevention. 2018 National and State Healthcare-Associated Infection Progress Report. Available at <https://www.cdc.gov/hai/pdfs/progress-report/2018-Progress-Report-Executive-Summary-H.pdf>. Accessed November 26, 2019

2. Zimlichman, E., Henderson, D., Tamir, O., Franz, C., Song, P., Yamin, C. K., ... Bates, D. W. (2013). Health Care-Associated Infections. *JAMA Internal Medicine*, 173(22), 2039. doi: 10.1001/jamainternmed.2013.9763

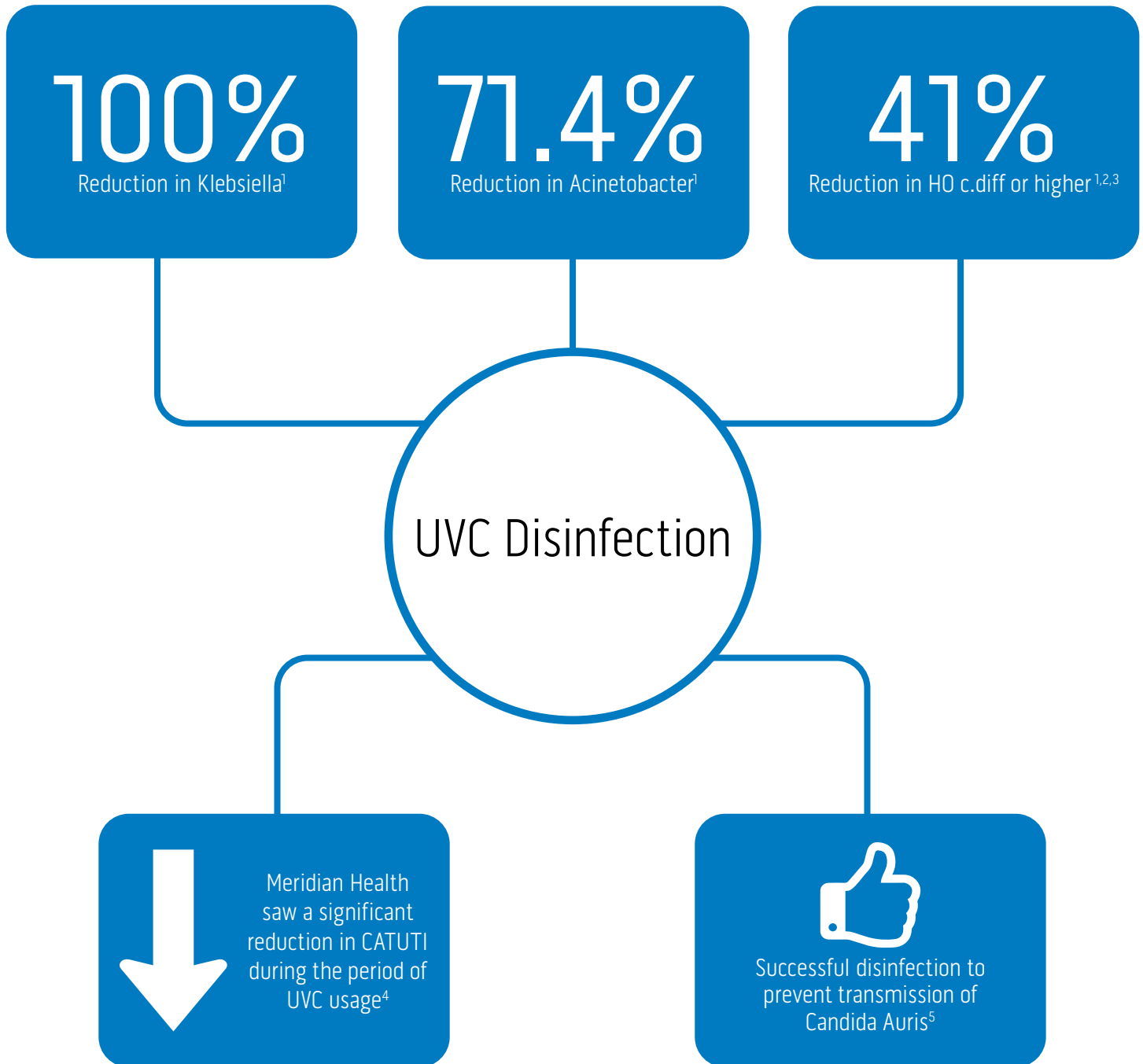
3. Weber, D., & Rutala, W. (2013). Understanding and Preventing Transmission of Healthcare-Associated Pathogens Due to the Contaminated Hospital Environment. *Infection Control & Hospital Epidemiology*, 34(5), 449-452. doi:10.1086/670223

4. Carling, P., Parry, M., & Von Behren, S. (2008). Identifying Opportunities to Enhance Environmental Cleaning in 23 Acute Care Hospitals. *Infection Control & Hospital Epidemiology*, 29(1), 1-7. doi:10.1086/524329

5. CMS.gov Centers for Medicare and Medicaid Services. (2019, July). Retrieved December 12, 2019, from <https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/AcuteInpatientPPS/Downloads/HAC-Reduction-Program-Fact-Sheet.pdf>

6. Haque, M., Sartelli, M., McKimm, J., & Abu Bakar, M. (2018). Health care-associated infections - an overview. *Infection and drug resistance*, 11, 2321-2333. doi:10.2147/IDR.S177247

The Patient Safety Solution



1. Napolitano, N. A., Mahapatra, T., & Tang, W. (2015). The effectiveness of UV-C radiation for facility-wide environmental disinfection to reduce health care-acquired infections. *American Journal of Infection Control*, 43(12), 1342–1346. doi: 10.1016/j.ajic.2015.07.006
2. Bernard, H., & Little, J. (2015). The Impact of Ultraviolet (UV) Disinfection System Coupled with Evidence-based Interventions on the Incidence of Hospital Onset Clostridium Difficile (HO-C-Diff). *American Journal of Infection Control*, 43(6). doi: 10.1016/j.ajic.2015.04.067
3. Liscynesky, C., Hines, L. P., Smyer, J., Hanrahan, M., Orellana, R. C., & Mangino, J. E. (2017). The Effect of Ultraviolet Light on Clostridium difficile Spore Recovery Versus Bleach Alone. *Infection Control & Hospital Epidemiology*, 38(9), 1116–1117. doi: 10.1017/ice.2017.126

4. Hanrahan, S., Haraschak, C., & Buckalew, G. (2016). Impact of Ultraviolet Light Disinfection on Central Line-Associated Bloodstream Infection and Catheter Associated Urinary Tract Infection Rates in a Major Medical Teaching Hospitals. *Open Forum Infectious Diseases*, 3(suppl_1). doi: 10.1093/ofid/ofw172.130
5. Marrs, R., Pellegrini, D., Enriquez, A., Ridgway, J. P., & Landon, E. (2017). Successful Environmental Disinfection to Prevention Transmission of Candida Auris. *Open Forum Infectious Diseases*, 4(suppl_1). doi: 10.1093/ofid/ofx163.352

Correct Dosage

Skytron's Ultraviolet C (UVC) provides an effective method of microorganism inactivation for contaminated air and surfaces. UVC disinfection technology has been in use since the early 1900's for municipal water supplies and Skytron's UVC devices are a powerful, modern, mobile solution to reduce HAI's.

UVC energy is a wavelength range of Ultraviolet energy spanning 200-280 nanometers (nm). Skytron's UVC devices specifically employ the highly germicidal 253.7 nm bandwidth to cause photochemical damage to cellular DNA and virus RNA. This biological damage inactivates the cell by preventing replication and therefore infection capability. Germicidal efficacy is determined by the overall dose of UVC, which is a product of lamp output (i.e., intensity) and exposure duration.

Traditional, manual hospital cleaning protocols are often insufficient in stopping the spread of pathogens and leave room for error in technique and chemical application. With the use of SmartDosage™ technology, the Skytron portfolio ensures the correct germicidal dose is thoroughly delivered to all surfaces, lowering infection rates and costs.

Trusted Partner

Service

Skytron's industry-leading Total Cost of Ownership (TCO) programs are worry and hassle free:

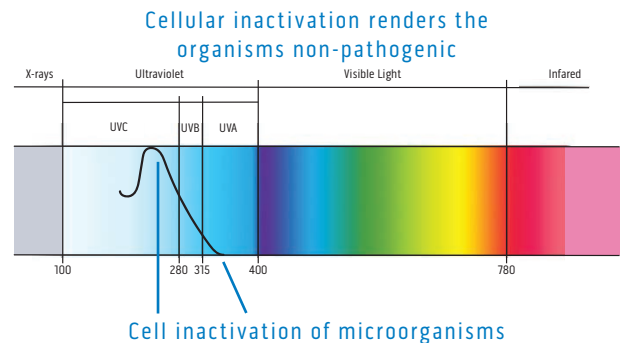
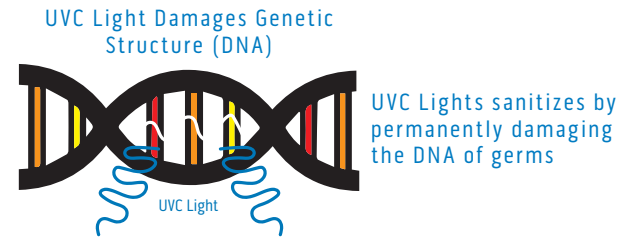
- One to five year TCO service programs which cover all OEM parts, including lamps and labor
- On-site service visits and travel expenses, 24/7 telephone support, and annual preventative maintenance check-ups included in TCO programs
- "Spare in the Air" program, where Skytron expedites a replacement device to minimize down time during required services
- Consultation for implementing an optimal deployment strategy for your facility

Training

Skytron offers instruction on UV device operation to ensure safe and effective performance:

- Training for multiple shifts of staff
- Training of management staff in the cloud-based tracking and documentation system

Need more help? We're just a phone call away. 800-759-8766



Financial Impact

Skytron offers solutions designed to deliver the highest performance with the lowest overall cost of ownership. Skytron's Total Cost of Ownership (TCO) program provides customers with a plan to prevent as much equipment down-time as possible, and a defined annual cost of ownership for confident budgeting.

- Reduce HAI'S
- Reduce HAC Score

Savings Estimator

50 Bed Hospital
In 5 Year Savings
\$943K

500 Bed Hospital
In 5 Year Savings
\$9.43M

Our Portfolio



1140 Sentry

Single Emitter System

Excellent Value

Category leading UVC, single cycle disinfection

Flexibility

Removable emitter ideal for small spaces like Ambulances and Aeromed applications

Simplicity

Lightweight and easy to move



3200 Max

Single Emitter System

Shorter Run-Times

Highest single emitter UVC dose

Higher Room Throughput

Faster cycles equals more rooms in less time

Correct Dosage

Field Balance and PowerBoost UV Technology

Our Portfolio



2280 Syndicate

Dual Emitter System

Effective in Multiple Locations

Dual Emitters allows for two locations hit with same cycle

Shadows Minimized

Two Emitters allows for more effective treatments in harder to reach shadowed areas

Lower Labor Costs

Units do not require repositioning to complete cycle



UV Smart

Countertop Rapid UVC Disinfectant

Keep Germs and Viruses Away from Patients and Staff

360-degree disinfection on high-touch items like mobile devices, remotes, keyboards, and more

Simple Addition to Workflow

User-friendly design and portable makes it easy to integrate into your existing space

Peace of Mind

Ensures a consistent and powerful disinfection in 25 seconds



Circle of Infection Prevention Solutions



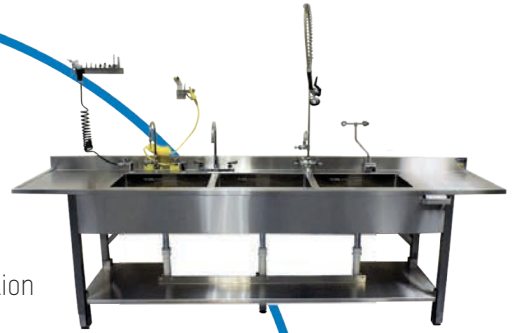
Integrity Sterilizers

Increased Efficiency
Smaller Footprint



UVC Disinfection

Single Cycle, Whole-Room Disinfection
Most Comprehensive Portfolio



Processing Sinks

Ergonomically Friendly Adjustable Height
Customizable to Fit Specific Needs



ErgoStat Prep & Pack Tables

Alleviate Physical Stress
Height Adjustable Work Station



Sterling Washer-Disinfectors

Water & Chemical Conservation
Medical Device IFU Compliance



Flex Ultrasonics

Clean All Instruments in One Cycle
Thermal Disinfection

Skytron is the Healthcare Efficiency Specialist, providing full-room solutions of capital equipment, architectural and real-time information systems for Medical, Surgical, Sterile Processing, and Infection Prevention. Our solutions enhance the utilization of people, facilities, and capital because they are designed with the user in mind and have a low, long-term cost of ownership.

To learn more, visit our website at www.skytron.com



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