

UVD
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\$ COST OF HAIs ILLNESS ANALYSIS

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ECONOMIC IMPACT

The reason to prevent healthcare associated infections (HAIs) is to save lives, not only costs. Healthcare administrators should be motivated to invest in the necessary solutions to minimize HAIs.

DIRECT COSTS WITH HAIs TREATMENT

TYPE OF INFECTION	AVERAGE DIRECT COST ASSOCIATED WITH TREATMENT (DATA FROM 2013)
Central line-associated bloodstream infections	\$45.814
Ventilator-associated pneumonia	\$40.144
Surgical site infections (SSI)	\$20.785
Clostridium difficile infection	\$11.285
Catheter-associated urinary tract infections	\$896

The total annual costs for the 5 major infections were \$9.8 billion (95% CI, \$8.3-\$11.5 billion). Surgical site infections contributing the most to overall costs (33.7% of the total).

Source: JAMA Intern Med. 2013;173(22):2039-2046. doi:10.1001/jamainternmed.2013.9763. Published online September 2, 2013

HAIs result in direct (patient and hospital) and indirect (social and community) costs. The size and magnitude of HAIs costs range vastly from a country to a country.

INDIRECT COSTS ARE HARD TO MEASURE HOWEVER, NOT TO BE NEGLECTED.

COST OF ILLNESS = DIRECT + INDIRECT COSTS

DIRECT MEDICAL COSTS	+	INDIRECT SOCIETY COSTS
Cost of medical resources inclusive drugs		Family and friends visits to the hospital and care for the patient
Cost of extra patient bed days		Loss of productivity from loss of employment
Healthcare professionals extra time		Loss of patient's contributions
Amount spent each year to care for a person with a disease or injury		Loss of quality of life post medical treatment
Amount spent over a person's lifetime for a disease or injury		
First occurring within a particular time period		



CASE STUDY

BETTER COSTS OF EFFECTIVENESS WITH UVD ROBOTS

In March 2019, a leading NHS hospital performed a full disinfection of a 21527 sq ft outpatient Oncology department with two different methodologies.

	Manual UV-C device	UVD Robot
Total Disinfection Time	20 hours	90 minutes
Total Labour Time	20 hours	3 minutes
Total Labour Costs	\$ 257	\$ 0.64

Comparison of labour costs - 21527 sq ft outpatient Oncology department

[▶ WATCH UV-C COMPARISON VIDEO](#)



“ We reduced the time we spent disinfecting, freeing up your staff to focus on more important tasks while also enabling us to have a higher turn-over in surgeries ”

Marin Repustic, Director Assistant for Quality of Healthcare
General Hospital, Croatia

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Committed to Disinfection. Dedicated to Your Safety.



UVD Robots offers a wide range of different services to fit your business needs.

Learn more about how each service can help you to get the most of of your UVD Robot by contacting us below.

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