



# CMS DATA FINDING

# HEALTHCARE

## HOSPITAL & MEDICAL CENTER

A hospital and medical center using KLEAN's surface protection as part of their Infection Control Program outranks the competition in performance. KLEAN's surface protection contributed to the client's MRSA and C. diff SIR (standard infection ratio) levels well below the national average.

## PROVEN RESULTS

# Surface Protectant

KLEAN's client is the only 200+ bed hospital in the U.S. reporting an MRSA SIR of 0.00 and a C. diff SIR of 0.047 or better for 3+ years. *Centers for Medicare & Medicaid Services (CMS) publication entitled, "Hospital Associated Infection Hospitals" in Jan 2023.* For full study findings, visit: <https://data.cms.gov/provider-data/archived-data/hospitals>

### Performance Highlights

**MRSA**  
0.00 SIR  
3+ Years  
7.1.2018 -  
3.31.2022

**C.diff**  
Ave. 0.045 SIR  
7.1.2019 -  
3.31.2022

**KLEAN is leading the way to ZERO HARM**

CMS Data Released	Reporting Cycle		MRSA Infection		C. diff Infection		Comments
	Start Date	End Date	Measure Name	SIR	Measure Name	SIR	
January-18	4/1/2016	3/31/2017	MRSA	0.545	CDI	1.445	
May-18	7/1/2016	6/30/2017	MRSA	0.528	CDI	0.918	
July-18	10/1/2016	9/30/2017	MRSA	0.537	CDI	0.818	
October-18	1/1/2017	12/31/2017	MRSA	1.231	CDI	0.868	
March-19	4/1/2017	3/31/2018	MRSA	0.605	CDI	0.790	Testing Conducted
April-19	7/1/2017	6/30/2018	MRSA	1.198	CDI	1.082	Spring 2018
July-19	10/1/2017	9/30/2018	MRSA	1.136	CDI	1.101	First Quarterly Treatment Fall 2018
October-19	1/1/2018	12/31/2018	MRSA	0.550	CDI	0.781	
January-20	4/1/2018	3/31/2019	MRSA	0.568	CDI	0.778	
April-20	7/1/2018	6/30/2019	MRSA	0.000	CDI	0.930	
July-20	10/1/2018	9/30/2019	MRSA	0.000	CDI	0.809	
October-20	1/1/2019	12/31/2019	MRSA	0.000	CDI	0.765	
January-21	1/1/2019	12/31/2019	MRSA	0.000	CDI	0.765	Reporting Cycles Modified for COVID
April-21	1/1/2019	12/31/2019	MRSA	0.000	CDI	0.765	
July-21	4/1/2019	9/30/2020	MRSA	0.000	CDI	0.541	Klean Hands Put Into Use March 2020
October-21	7/1/2019	12/31/2020	MRSA	0.000	CDI	0.043	
January-22	10/1/2019	3/31/2021	MRSA	0.000	CDI	0.042	
April-22	10/1/2019	3/31/2021	MRSA	0.000	CDI	0.042	
July-22	10/1/2020	9/30/2021	MRSA	0.000	CDI	0.047	
October-22	1/1/2021	12/31/2021	MRSA	0.000	CDI	0.046	
January-23	4/1/2021	3/31/2022	MRSA	0.000	CDI	0.045	
Average National Benchmark - Fall 2022				1.130		0.490	

By way of reference, a May 2019 John Hopkins study estimated that in 2018 there were 160,000 lives lost to avoidable medical errors. The study further states 22.6% are attributed to MRSA and 23% to C. diff. for a total life loss of 73,000. In a medical facility, KLEAN's surface solution is used to help minimize loss of life to HAI's.

**How can your Healthcare facilities achieve similar MRSA and C. diff SIR scores?** The answer is KLEAN's long-term (90 day) Antimicrobial Infection Control Program.



HEALTHCARE

## ADVANCED APPROACH

The Healthcare industry knows firsthand that bacteria, fungi, and mold spread fast. High exposure areas create a breeding ground for bacteria and infections to grow and spread. Disinfectants can't keep up. They stop working when they dry and do not provide long-term protection.

That is where the KLEAN company comes in. KLEAN's innovative solution creates an active barrier that kills bacteria such as MRSA & C.diff, fungi such as Candida Auris, and mold on contact for an extended period.

KLEAN'S SOLUTION  
**ONE OF A KIND PROTECTION**  
FOR PATIENTS, VISITORS  
AND STAFF



### 90 Day **Protection**

KLEAN's surface solution kills bacteria, fungi and mold on contact and continues to kill for at least 90 days. Proven in an active hospital over four years.



### Alcohol-Free

KLEAN solutions are chemical-free, alcohol-free, and water-based so only poses a threat to bacteria, fungi & mold.



### Non-Toxic & **Safe**

KLEAN's surface solution is EPA approved, meets FDA standards, and improves air quality by reducing airborne pathogens.

## PREVENTION IS KEY

C. diff's persistence on surface is up to 5 months while MRSA's persistence is 7 months. The average adult can touch as many as 30 objects every 60 seconds, including high-traffic surfaces like doorknobs, switches, chairs, tables and more. Traditional disinfectants work until they dry and then they are useless. KLEAN's solution creates an active barrier that kills bacteria, fungi & mold on contact and continues to work after it dries. On porous and non-porous surfaces, KLEAN continues to kill for 90 days. **KLEAN's goal is to significantly reduce preventable infections.**

Your patients, visitors and staff deserve a healthy environment that protects them from preventable harm. For maximum protection, we recommend an *Infection Control Program* focused on prevention.