

CASE STUDY

Professional Grade Microfiber Makes Significant Difference

Midwest Area Hospital System (652 beds) IDN

BACKGROUND

In 2023, a Midwest-area Community Hospital System's HAI rate increased. Knowing the risk of spreading pathogens via the healthcare facility floor throughout the day, the hospital system challenged the EVS Director to improve the effectiveness of floor cleaning.

After reviewing the Geerpres® research data, which showed that **not** all microfiber mops perform equally, they decided to switch to the Advantex® Single-use Microfiber Mop with synthetic construction. This mop requires less charging disinfectant, releases more disinfectant onto the cleaning surface, and does not neutralize the chemistry. After switching to Advantex®, they could visibly see that full-strength charging chemistry significantly improved floor cleaning, improving efficacy, and potentially saving lives.



THE CHALLENGE

Pathogens are consistently introduced to the floor throughout the day by shoes, transport equipment such as wheelchairs and beds, treatment devices or computer carts, and nonslip patient socks that traverse the floors and frequently bring pathogens directly into a bed. Therefore, there is a consistent potential for HAI cross-contamination from the floor to patients.



THE SOLUTION

The Hospital System moved from a competitor's premier mop to the Advantex® Single-use Microfiber Mops, Advantex® Mop Frame, and Telescoping Aluminum Handle System. The data and customer feedback presented in this case study were collected in 2024 and compared with data from 2022-2023.

ADVANTEX® SINGLE-USE MICROFIBER MOP

Best-in-class, Advantex® Single-Use Mops deliver the most solution (non-quat binding) and covers an entire patient room. Microfiber locks and lifts bioburden, dirt and contaminants away for efficient and effective cleaning. Get more floor coverage with solution and use fewer mops. Non-linting, USP 797 compliant. Patent #11045063

ADVANTEX® MOP FRAME

The 16" Advantex Mop Frame utilizes micro hook and loop fastening to avoid lint accumulation. Unique quick connector swivels 360° for an efficient figure eight motion and flips up for easy cleaning of baseboards.

TELESCOPING ALUMINUM HANDLE

Telescoping aluminum handle for reaching high places. The handle extends from 52" – 92". Both mopping and high duster attachments with quick connect are available to create a multi-purpose tool.

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“ Advantex® is a superior product with better floor coverage, improved packaging, and higher employee satisfaction. We are confident in our choice of Advantex® mops. ”

~ Director of Environmental Services, Midwest-Area Hospital System

PROFESSIONAL GRADE MICROFIBER WITH SUPERIOR EFFICACY

Geerpres Advantex® microfiber is finer than industry microfiber requirements, therefore having superior efficacy. Advantex® microfiber has a denier of 0.53, about half of one (1.0) denier. With efficacy rates of 99.9-99.99% on pathogen removal, Advantex helps reduce the cross-contamination risks*.

SIGNIFICANTLY IMPROVED CHEMISTRY COMPATIBILITY

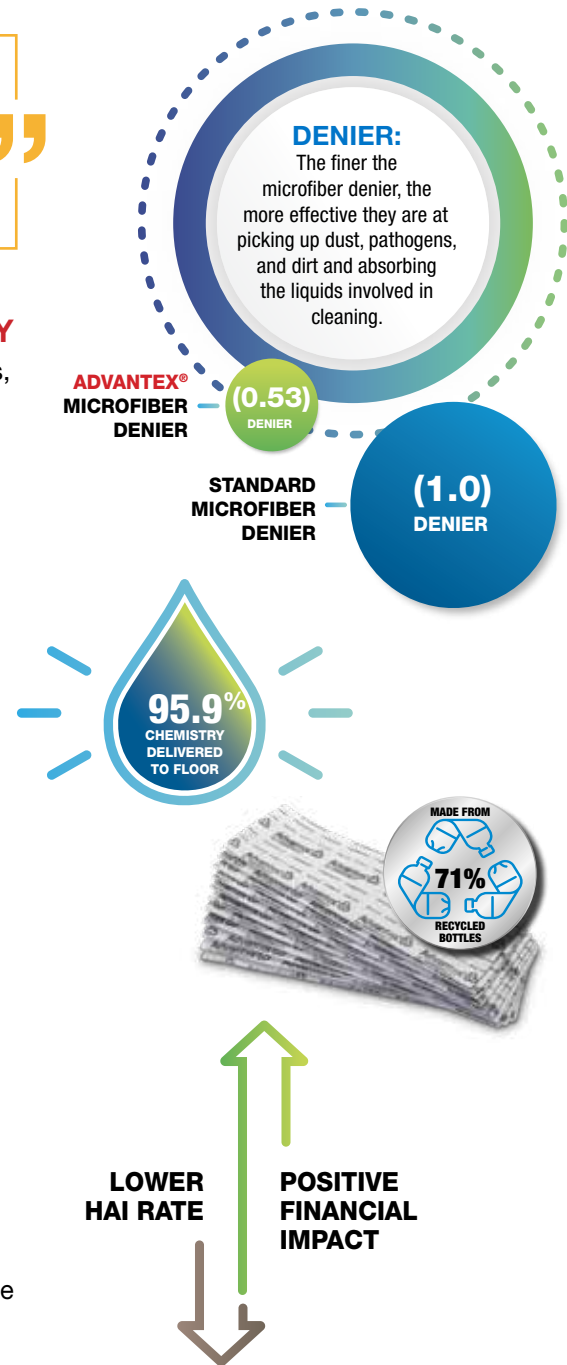
The Advantex® microfiber mops are compatible with all cleaning chemistries and are best-in-class non-quat binding. More effective cleaning saves lives with greater floor coverage and cleaning chemistry delivered to the floor.

IMPROVED ENVIRONMENTAL IMPACT

"By converting to the Advantex® Healthcare Floor Solution, we have reduced our environmental footprint and achieved sustainability initiatives. We have a significantly lower environmental impact by using less utilities, water, chemistry, and a post-consumer waste product." The EPA TRACI model analysis of the global warming potential also indicates less adverse environmental implications in all categories.

FINANCIAL IMPACT

Converting to the Advantex® Healthcare Floor Solution, this hospital system is more confident/comfortable knowing they have reduced floor pathogens, and they believe this is a factor in the lower HAI rate. This hospital system reported that the average healthcare-related HAI cost was over \$30,000 per incident. Reducing HAIs has had a significant positive financial impact on the hospital system. In addition, the better floor coverage reduced mop and chemistry usage while improving cleaning efficiency. Cleaning teams love these mops!



SWITCHING SUMMARY & RESULTS

Switching to the new Advantex® Floor Solution resulted in cleaner floors, which the hospital system concludes is a factor in the lower HAI rate reported in the following five months. The new Advantex® Floor Solution system locks and lifts bioburden, dirt, and contaminants away for efficient and effective cleaning.

*Supporting data available upon request