

From Breakdown to Breakthrough: McPherson Health and Rehab Transforms Skin Integrity Outcomes with eBrief

SKIN INTEGRITY A Common Culprit

McPherson Health and Rehab, a skilled nursing facility located in McPherson, Kansas is not only a thriving campus, but behind the scenes the leadership team has been working on something truly revolutionary with proven outcomes.

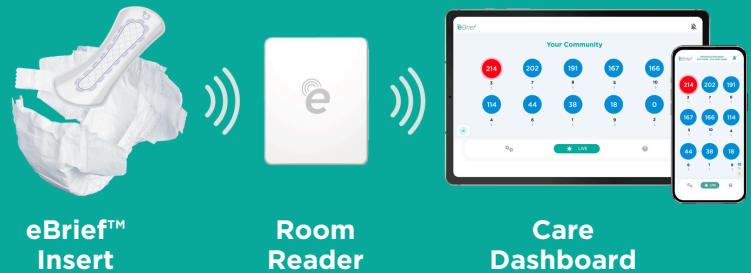
It is no secret that all senior living communities serving millions of seniors across the country continuously look for insights to restore dignity, independence, and wellness among their care recipients; the majority of which struggle with the impacts of incontinence on a daily basis.

Incontinence, even when managed with the most diligent caregiving tasks, can wreak havoc on skin condition due to the fact innovation has long bypassed this population and solutions to such problems. Those with incontinence are **five (5) times as likely*** to suffer skin breakdown that lead to pressure injuries than those without incontinence challenges. Skin breakdown has been proven to begin in **as little as 15 minutes*** and adds approximately **\$5,851 for each incident of skin breakdown** as opposed to those without incontinence.**

Mission Health, who manages McPherson Health & Rehab, has long been dedicated to staying on the cutting edge of technology and solutions for all the people that they care for and their loved ones. As trailblazers for the senior living industry, they adopted the eBrief solution to implement this novel assistive technology while keeping a pulse on clinical metrics to determine through data-driven insights how to better tackle the root cause of the most common skin breakdown in older adults associated with incontinence.



The solution: eBrief™ Assistive Technology in Action



**Detects
Wetness Event**

**Captures
Wetness Event**

**Alerts
Wetness Event**

Program Overview Sample Size & Project Longevity

The project began at McPherson Health & Rehab in the summer of 2025 to implement the eBrief solution among 15 residents to track quality metrics over a period of three (3) months.

Key Performance Indicators Quantitative Metrics

- Individuals with Incontinence Related Skin Breakdown
- Falls Related to Voiding
- Urinary Tract Infections
- Staff Satisfaction
- Resident/Family Satisfaction

**NIH **NIH/Medline*

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Results

Changing The Script

Skin Breakdown

The project achieved a 100% prevention rate of incontinence-related skin breakdown across all participants, including those previously deemed high risk by care teams.

The most impactful findings were around incontinence related skin breakdown. The population chosen by the clinical team for inclusion into the eBrief solution project was due to the fact that these residents struggled with recurrent and frequent incontinence related breakdown.

Incontinence related breakdown, despite the best of care, is limited at best due to the lack of innovation in the incontinence care practices and abilities.

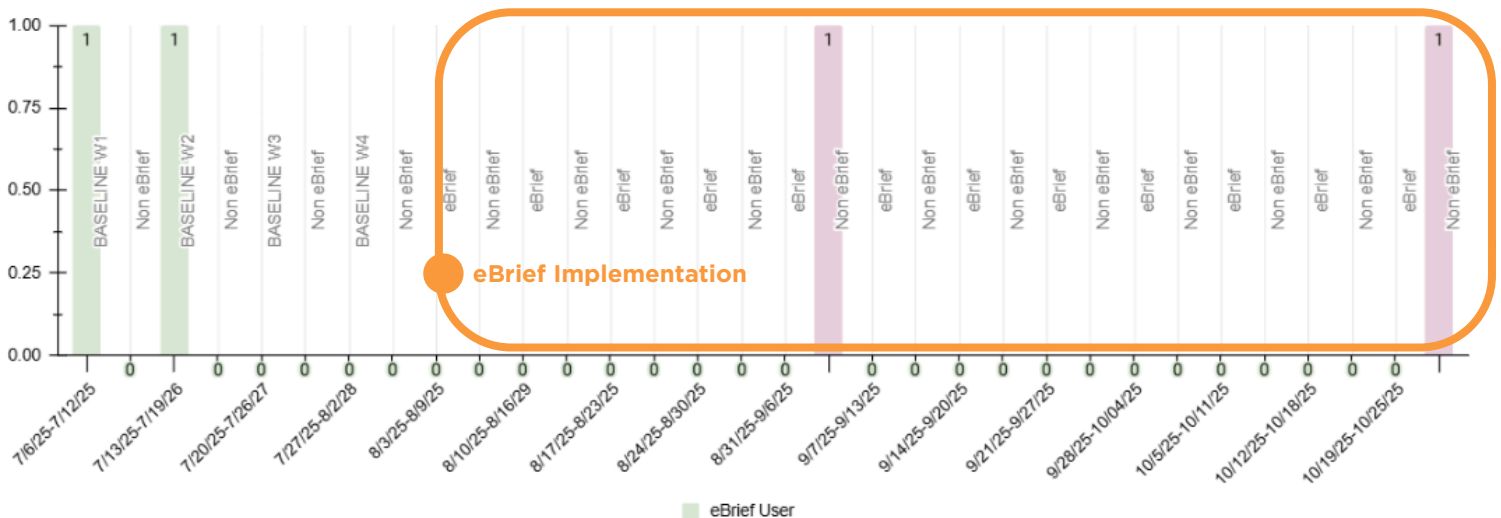
eBrief changes this script taking the guess work out of the equation and allows for care teams to analyze situations for root cause much more effectively and efficiently.

The features and benefits of the eBrief system that contributed to these positive outcomes included:

- **Real-time alerts** that minimized skin exposure to moisture by prompting timely care interventions;
- **Accurate identification of voiding patterns**, enabling more effective and personalized toileting assistance; and
- **Enhanced accountability** through data visibility, allowing any instances of staff non-compliance to be promptly identified, documented, and addressed with corrective or alternative interventions.

Incontinence Related Skin Breakdown Data Tracking

Skin Breakdown (people acquired) eBrief vs Non-eBrief



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Falls

The fall rate decreased from 40% to 20%, representing a 50% relative fall reduction among the eBrief users vs non-eBrief users.

During the duration of the project, only three (3) falls with extenuating circumstances were reported among eBrief participants. Two (2) of these incidents with the same individual were associated with a new change in condition related to the onset of a respiratory infection with complications, and all 3 falls noted included resident non-compliance with the established care plan and interventions.

These events provided **valuable, data-driven insights** that enabled care plan teams to identify and address underlying trends. Specifically, it raised consideration for whether residents who are typically independent with toileting during the day should automatically receive an updated care plan providing increased supervision—potentially around the clock—when experiencing an acute change in condition.

Additionally, the data allowed for **rapid identification of non-compliance patterns**, prompting further education on associated risks, thorough documentation of teaching provided, and recognition of the potential impact of refusals on resident outcomes.



Urinary Tract Infections

The project demonstrated an 83% lower infection rate among eBrief users.

Over the course of the project, only one (1) urinary tract infection (6.7%) occurred among eBrief participants, confirmed by a culture positive for E. coli, as opposed to the 40% infection rate among non-eBrief users. This event was considered unpreventable and directly associated with resident non-compliance with perineal care education and refusal of assistance during daytime incontinence care. The timely identification of this infection enabled the interdisciplinary team to conduct a focused audit of the medical record to confirm that all required documentation was present, including resident refusals, non-compliance with education, associated risks, and the rationale supporting the determination that the event was clinically unpreventable.

Conclusions

Date Driven Insights Lead to Change

“These results have been remarkable for our McPherson team. The insights we have gained during our study have shown our team how beneficial this innovative product has been for both the residents and staff. It has not only given us better resident outcomes but has saved hours in nursing care time; allowing for timely brief changing when needed and ending the inadequate strategy of “check and change.”

-Jacqueline Vance

**Senior Director of Clinical Innovation
Mission Health Communities**

Please visit our robust resource hub and one-stop shop for all things incontinence at

www.eBriefCommunity.com

Where the intersection of education, industry publications, and expert research on incontinence is more than a product; it is a support system for any care industry.