


TEMPUR[®] Studies Overview



transforming wound management



TEMPUR® material is a premium high-density, temperature-responsive material which exhibits fluid-like properties that facilitate optimum immersion and support. Its billions of microscopic cells flow gently around the patient, conforming exactly to the body for excellent pressure redistribution that provides exceptionally high-levels of comfort and support not found in regular foam or “memory” foam mattresses.

The TEMPUR Advantage

- Clinically shown to lower incidence rates of significant pressure ulcers to less than one percent
- Clinically proven as an effective treatment for pressure ulcers
- Lower total cost of care and increased resident comfort and satisfaction
- Maintenance free (except for normal surface cleaning)

Exceptional Pressure Redistribution

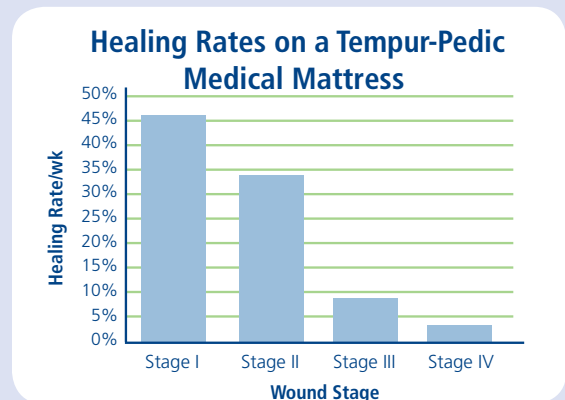
- Provides superior pressure redistribution by increasing the body area in contact with the surface
- Provides proper body support and alignment for effective pressure management
- Maintains normal blood flow in high-risk areas such as the scapula and sacrum, reducing the potential for tissue ischemia while supporting tissue viability

Extraordinary Comfort

- Increased patient satisfaction—68% of patients report having a therapeutic mattress with TEMPUR material on their bed shows the facility really cares
- Increased patient comfort—77% of patients report that a therapeutic mattress with TEMPUR material on their bed helped them to become comfortable and relaxed

Excellent Treatment

TEMPUR material has been clinically proven effective in the treatment of pressure ulcers. In one retrospective study published in the *Ostomy Wound Management* (OWM) journal, Stage II wounds of residents treated on a Tempur-Pedic shrank in size by 33% per week, a rate often seen with powered air products such as low air loss.



Not only did the study find greatly reduced incidence, treatment results were comparable to those achieved with low-air loss mattresses.

Overall, wound size was reduced by an average of 68.85% over 84.69 days on the mattress or 25.5% per week (N=45 P=0.0004)

Stage I pressure ulcers reduced in size 45% per week (N=6, P=0.022)

Stage II pressure ulcers reduced in size 33% per week (N=22, P=0.05)

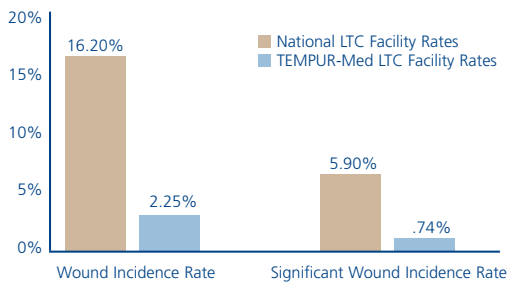
Stage III pressure ulcers reduced in size 6.97% per week (N=13, P=0.004)

Stage IV pressure ulcers reduced in size 3.24% per week (N=4, P=0.058)

Reduced Incidence of Pressure Ulcers

Long term care liability insurance premiums have increased significantly, consuming resources that might otherwise be applied to improving the quality of health services provided to nursing home residents. Under a *Shared-Risk Skin and Wound Care Management Model*, mattresses that include TEMPUR material are an effective intervention in a comprehensive pressure ulcer prevention program.

Long-Term Care Pressure Ulcer Incidence Rate



During 2002, over 1.5 million resident days were included in the data. Significant reductions in facility acquired pressure ulcers (~75% of baseline) and wound size (~12% per week) were observed.

Fewer Falls

Restorative sleep is a key component in an effective fall-reduction program. Research has shown that elderly individuals with untreated insomnia are 90% more likely to fall than those who do not have sleep problems. Studies have shown that people sleep much better on a TEMPUR-Pedic mattress. As one nurse commented, "It makes sense. People will sleep better on the Tempur-Pedic. When they sleep better they get up less. When they don't get up, they fall less."

Reduced Agitation

Many facilities are striving to find effective ways to reduce agitation in residents with dementia. A 2007 pilot study by clinicians at the University of Kentucky found that environmental interventions, such as replacing the resident's sleep surface with a mattress that includes Tempur material, may serve as an effective adjunctive intervention to pharmacotherapy for agitated nursing home residents with Alzheimer's disease. Tempur-Pedic offers a non-invasive, effective therapeutic intervention to manage agitation in residents with Alzheimer's-related and other forms of dementia.



Better Facility Marketing

Facilities providing TEMPUR mattresses can use the statistics showing enhanced resident comfort and the sense of being more cared for to create better marketing programs and enhance the facility's reputation in their community.

Rapid ROI

The Joerns PrevaMatt Elite with TEMPUR material provides the most comprehensive care of any surface in the industry. TEMPUR material has been shown to provide the following benefits that reduce costs or increase revenue in a measurable way:

- Lower incidence of pressure ulcers
- Clinically proven effective treatment of pressure ulcers
- Fewer bed falls
- Better facility marketing

Speak with your Joerns representative today to project savings for your facility!

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