



EVERY HEEL

NEEDS PROTECTION.

Heel Protection

For the prevention and care of pressure injuries

Why heel protection matters.

Heels are the most common site for facility-acquired pressure injuries in long-term care facilities and the second most common site for pressure injuries overall.⁴ They are commonly associated with severe pain, risk of infection and lengthy hospital stays. The Centers for Medicare and Medicaid Services (CMS) will not reimburse hospitals for Stage III or IV pressure injuries that are not present on admission.

The numbers don't lie.

Pressure injuries affect millions of people each year and can cause severe pain, infection and lengthy hospital stays. The heels are the second most common site for pressure injuries overall but they are preventable.⁴

\$9-11
BILLION

Cost to treat pressure injuries annually in the U.S.²

2.5
MILLION

Number of people in the U.S. affected by pressure injuries each year²

60,000

Number of patients who die as a direct result of pressure injuries each year²

\$43,180

Average cost of a hospital stay for pressure injury²

30.3%

Percentage of all pressure injuries that develop on the heel³

Medline is your single source for heel protection devices.

According to clinical experts, the most effective pressure injury prevention for the heels is pressure relief known as offloading.⁴ Offloading is achieved with heel protection devices that relieve pressure by elevating the heel. Medline offers a broad array of heel protection devices to fit your needs and budget. These devices are a vital component of a pressure injury prevention program at your facility.

HeelMedix[®] Advanced

HeelMedix Advanced, designed with the help of clinicians, offers supreme offloading and foot drop protection as a vital part of your pressure injury prevention program.



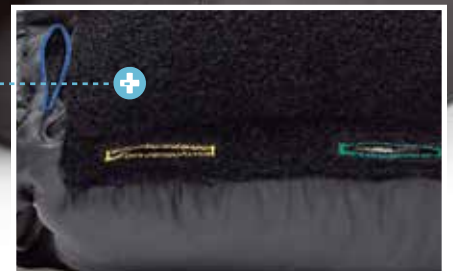
Screen printing of "toes" and "heel" eliminates confusion to ensure the boot is applied properly

NEW spandex straps

DID YOU KNOW?

56% of clinicians are concerned about DVT tubing touching the patient's skin when using a heel offloading boot.⁵

Patented side hole design minimizes chance of DVT tubing touching patient's skin



DID YOU KNOW?

49% of clinicians are not very comfortable applying heel offloading boots correctly.⁵

HeelMedix Advanced features an intuitive design:

- » Educational packaging
- » Color-coded strap system to ensure proper placement
- » Instructional screen printing
- » Color-coded DVT tubing ports for easy facility standardization



Color-coded blue and green straps pull down on sides to help protect against foot drop

Screen printed instructions on the straps

An optional wedge can be used to help prevent medial and lateral rotation

Benefits

- » Completely offloads the heel and helps redistribute pressure on vulnerable heels
- » Treated with Ultra-Fresh® antimicrobial treatment to help inhibit odor-causing bacteria
 - This product has antimicrobial properties built in to protect the product. This product does not protect users or others against bacteria, viruses, germs or other disease organisms.
- » Straps pull down on sides to help protect against foot drop
- » Inner lining helps reduce friction and shear; half the friction of the competitor*
- » Includes mesh laundry bag to simplify washing and sorting

Item No.	Description	Pkg.
MDT823330P	Petite, 5-11" (12.7-27.9 cm)	1/ea
MDT823330SW	Standard w/ Wedge, 11-19" (27.9-48.2 cm)	1/ea
MDT823330	Standard, 11-19" (27.9-48.2 cm)	1/ea
MDT823330CS	Standard, 11-19" (27.9-48.2 cm)	4/cs
MDT823330XL	X-Large w/ Wedge, 19-25" (48.2-63.5 cm)	1/ea
MDT823330W	Stabilizer Wedge	2/ea
MDT823331W	Stabilizer Wedge	1/ea

* Data on file.

DID YOU KNOW?

50% of clinicians don't have measuring tools readily available to size offloading boots.⁵

Use the included ruler to determine correct size. Available in three sizes to accommodate all patients. 

To fit HeelMedix Advanced properly, use the included ruler to measure the circumference of the patients calf at its largest point. Color-coded tags help to quickly identify size.



5-11 inches calf circumference (12.7-27.9 cm)



11-19 inches calf circumference (27.9-48.2 cm)




19-25 inches calf circumference (48.2-63.5 cm)

DID YOU KNOW?

71% of clinicians have found offloading boots removed by the patient or family.⁵

Patient Education

Every HeelMedix Heel Protector product includes a patient and family education card to explain the benefits of an offloading boot. 

Built-in antimicrobial properties.*

HeelMedix Advanced is the only heel device to carry the Ultra-Fresh® name, which means you can be assured our devices are treated with antimicrobial agents to inhibit the growth of odor causing bacteria within the heel device.* These antimicrobial properties are built-in to protect the product. This product does not protect users or others against bacteria, viruses, germs or other disease organisms.

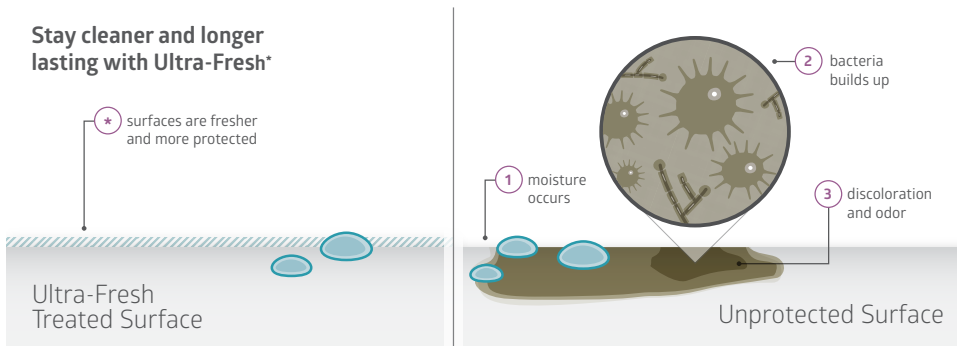
- » Ultra-Fresh helps inhibit the growth of bacteria and fungi responsible for creating unpleasant smells and staining
- » Ultra-Fresh helps control odor-causing bacteria on the fabric to help keep devices fresh, hygienic, and odor free



DID YOU KNOW?

54% of clinicians have experienced offloading boots that develop a smell.⁵

How Ultra-Fresh keeps heel devices fresh and protected



Visit ultra-fresh.com for more information.

DID YOU KNOW?

In a clinical evaluation of HeelMedix Advanced compared to Sage Prevalon and EHOB TruVue, **HeelMedix Advanced was applied correctly 100% of the time.**

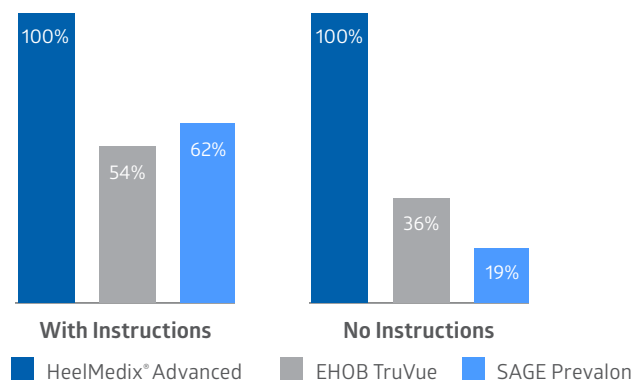
Study 1: HeelMedix Advanced Clinical Evaluation

Healthcare data on nursing practices suggests that only 52% of healthcare professionals are fully comfortable in their ability to correctly apply heel-offloading boots*. A clinical study was conducted to evaluate the effect of HeelMedix® Advanced with intuitive design features on proper device application.

Results and Conclusion*

- » HeelMedix® Advanced was superior to other leading brands in all three outcome measures. HeelMedix® Advanced was applied correctly 100% of the time; furthermore, it was applied faster than other devices and was generally preferred by users.

Rate of Correct Application by Device



✓ **HeelMedix® Advanced** applied correctly



✗ **TruVue** applied incorrectly



✗ **Prevalon** applied incorrectly



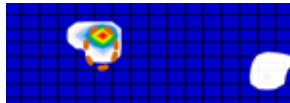
Testing shows HeelMedix Advanced offers exceptional heel offloading.

Study 2: Heel Offloading*

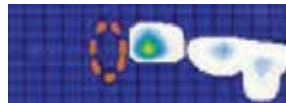
Using a pressure-sensing mat, 19 patients in a long-term care facility were tested for heel pressure on a mattress, in a HeelMedix device and in the competitor's device. HeelMedix completely offloaded the vulnerable heel area. Here are the pressure mapping conclusions:



Red dotted line indicates heel



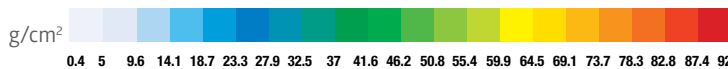
Average pressure on contact area **115.23**
Mattress had the highest heel pressure.



Average pressure on contact area **41.71**
Competitor's average pressure on contact area.



Average pressure on contact area **29.82**
HeelMedix completely offloaded the vulnerable heel area.



Study 3: Plantar Flexion

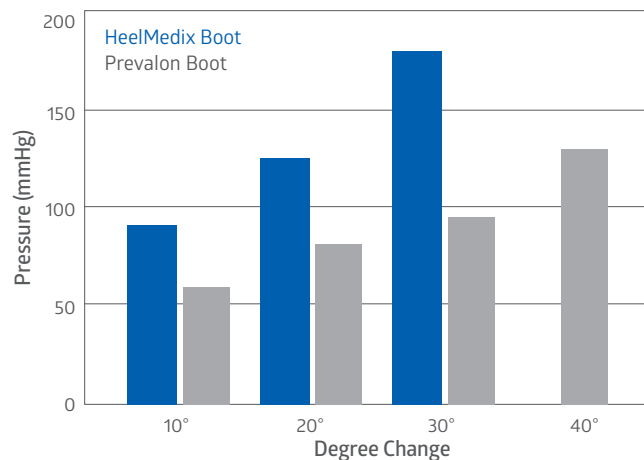
Prolonged plantar flexion—a toe-down motion of the foot at the ankle—can contribute to foot drop. Foot drop is a condition of uncontrolled plantar flexion that can develop in non-ambulatory patients.

Results and Conclusions*

» The strapping design on HeelMedix Advanced was able to prevent a foot drop beyond 40 degrees under all force conditions, while heel offloading on the competitor's boot was not able to stop this severe foot drop angle.

Maximum Pressure Exerted over Angle

The strapping design on HeelMedix Advanced was able to prevent a foot drop beyond 40 degrees under all force conditions.



DID YOU KNOW?

HeelMedix Advanced demonstrated a **24.5% greater resistance** to plantar flexion and **twice the supportive strength** of the competitor.*

*Data on file

HeelMedix Pro

By completely offloading the heel, Medline's HeelMedix Pro delivers effective pressure relief to help prevent skin breakdown.



Heel Offloading*

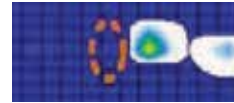
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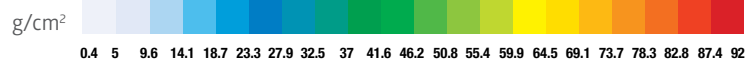
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Average pressure on contact area 41.71
Competitor's average pressure on contact area.



Average pressure on contact area 29.82
HeelMedix completely offloaded the vulnerable heel area.



Benefits

- » Helps prevent pressure injuries by completely offloading the heel and delivering effective pressure relief
- » Promotes air circulation and easy monitoring by openly floating the heel
- » Inner lining helps reduce friction and shear

Item No.	Description	Pkg.
MDT2375P	Petite, 5-11" (12.7-27.9 cm)	4/cs
MDT2375CS	Standard, 11-19" (27.9-48.2 cm)	4/cs
MDT2375SWCS	Standard w/ Wedge, 11-19" (27.9-48.2 cm)	4/cs
MDT2375XL	X-Large, 19-25" (48.2-63.5 cm)	4/cs

Available in three sizes to accommodate all patients.



5-11 inches calf circumference (12.7-27.9 cm)

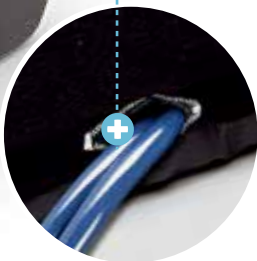


11-19 inches calf circumference (27.9-48.2 cm)



19-25 inches calf circumference (48.2-63.5 cm)

Allows for DVT tubing with one opening on each side of the boot



DID YOU KNOW?

71% of clinicians have found offloading boots removed by the patient or family.⁵

Patient Education

Every HeelMedix Heel Protector product includes a patient and family education card to explain the benefits of an offloading boot.



HeelMedix Basic

Effectively offloads heels.



Allows for DVT tubing with one opening on each side of the boot



Red dotted line indicates heel

Heel Offloading*
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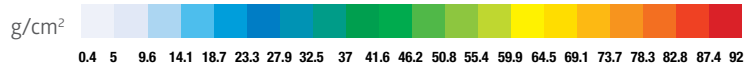
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 Competitor's average pressure on contact area.



Average pressure on contact area **29.82**
 HeelMedix completely offloaded the vulnerable heel area.



Benefits

- » Completely offloads the heel
- » Anatomical strapping pattern offers best fit for the patient

Item No.	Description	Pkg.
MDT6300CS	HeelMedix Basic Heel Protector	4/cs

Anatomical strapping pattern for optimal fit

DID YOU KNOW?

71% of clinicians have found offloading boots removed by the patient or family.⁵

Patient Education

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We make healthcare run better.™

In a complex healthcare world, Medline's mission is to help our customers achieve both clinical and financial success. We do that through a personalized approach to listen and better understand our customers' needs in an environment that tirelessly demands lower costs and better outcomes.

Because of our capabilities and engagement with other clinical and industry thought leaders, we deliver the most robust product portfolio and patient-care solutions to help healthcare providers perform at their very best. This is who we are. This is why customers choose us as their trusted business partner.

**To learn more, contact your Medline Representative,
visit medline.com or call 1-800-MEDLINE.**







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REFERENCES 1. Federal Register: Department of Health and Human Services Centers for Medicare & Medicaid Services Part II, p. 48473 Tuesday, August 19, 2008. 2. <http://www.ahrq.gov/professionals/systems/long-term-care/resources/pressure-ulcers/pressureulcertoolkit/putool1.html> 3. Amlung SR, Miller WL, Bosley LM, "The 1999 National Pressure Ulcer Prevalence Survey: A Benchmarking Approach," Adv Skin & Wound Care. Nov/Dec 2001;14(6):297-301 4. Fowler E, Scott-Williams S, McGuire JB. Practice recommendations for preventing heel pressure ulcers. Ostomy Wound Management. 2008;54(10):42:48. 5. Data on file. 6. <http://www.ultra-fresh.com/how-antimicrobialswork/fresh/>

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