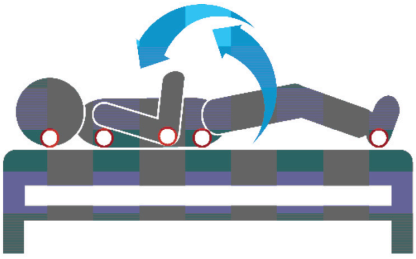
PRESSUREALERT®

SMART PRESSURE INJURY
PREVENTION & TREATMENT TECHNOLOGY

THE PROBLEM

Pressure injuries (also known as pressure ulcers or bedsores) skin/tissue injuries that occur on certain high risk areas of the body. There are approximately **2.5 million pressure injuries in the US annually**, leading to:

- 60,000 deaths
- 60,000 amputations
- 17,000 lawsuits
- $11 billion in healthcare costs



HIGH RISK AREAS

Heels · Sacrum · Elbows · Head

What factors are responsible for this emerging crisis?

- Aging population
- People with limited or no mobility
- Spinal cord injuries

Beyond pressure injuries, diabetic ulcers, surgical wounds and skin flaps can all be exacerbated by pressure.

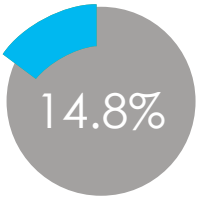
TRADITIONAL SOLUTIONS

There are many expensive and time consuming solutions to prevent and treat pressure injuries.

Teams of nurses turn patients every 2 hours, expensive specialized equipment is used, and offloading devices are utilized for specific parts of the body. But patients who have been turned often return to their previous position without the caregiver's knowledge.

Having nurses turn patients on a predetermined schedule causes thousands of nursing injuries per year. Half of nursing injuries are from patient handling, and a recent estimate put the cost of compensation claims at $250M per year.

1. Vangilder C. Results of nine international pressure ulcer surveys: 1989-2005. Ostomy Wound Management. 2008; 54(2). 2. Berlowitz D, et al. Preventing pressure ulcers in hospitals. US: Agency for Healthcare Research and Quality (US); 2012 Jan. Report no.: HHSA 290200600012 TO #5. 3. Walsh N, et al. Pressure ulcer prevention of stage 2 and deep tissue injury in critical care: A pilot study. Paper presented at: The Wound, Ostomy and Continence Nurses Society Congress, 2011 June 4 – 8 2011;New Orleans, US. 4. Russo CA, et al. Hospitalizations related to pressure ulcers. US: for Healthcare Research and Quality (US); 2008 Dec. Report no.: HCUP Statistical Brief #64. 5. Donnelly J, Winder J, Kernohan WG, Stevenson M. An RCT to Determine the Effect of a Heel Elevation Device in Pressure Ulcer Prevention Post-Hip Fracture. J Wound Care, 20(7):309-12, 314-8, July 2011.



PERCENTAGE OF PATIENTS IN THE US THAT SUFFER FROM PRESSURE INJURIES

AVERAGE LENGTH OF STAY IS 3 TIMES LONGER FOR PATIENTS WITH PRESSURE INJURIES

THE COST OF TREATMENT IS 3.6 TIMES THE COST OF PREVENTION.

THE SOLUTION

The PressureAlert® prevents and heals wounds by **alerting patients and caregivers when the patient has applied too much pressure for too long to a high risk area of the body**. The patented technology works like this:

A DRESSING OUTFITTED WITH PRESSURE SENSORS SENDS WIRELESS SIGNALS

A BEDSIDE TABLET RECEIVES THE SIGNAL, APPLIES OUR PROPRIETARY ALGORITHMS AND ALERTS THE PATIENT AND CAREGIVER

INFORMATION IS SENT TO CLOUD SERVERS FOR REMOTE MONITORING AND DATA COMPILATION

PRESSURE ALERT ADVANTAGE

Patients suffer less pain, recover more quickly, and are at decreased risk for complications. Caregivers save time and effort, and suffer fewer patient handling injuries. Providers and payors can improve the quality of care, drastically reduce costs, and eliminate legal risk.

PRESSUREALERT®

Empowers patients and caregivers to successfully prevent and treat pressure injuries to the skin through smart technology.

Walgreen Health Solutions

Wound Ostomy and Continence Nurses Society®

Veteran Owned Small Business VOSB cVE

National Veteran Business Development Council NVBDC Certification of Disabled & Veteran-Owned Businesses

NPIAP℠ National Pressure Injury Advisory Panel Improving Patient Outcomes Through Education, Research and Public Policy

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