Pressure injury and safe patient handling solutions

- Prevalon™ Mobile Air Transfer Systems
- Prevalon™ Turn & Position Systems
- Prevalon™ Heel Protectors
- Prevalon™ Seated Positioning System
Are your patients at risk for pressure injuries?

Pressure injuries are a significant health issue and one of the biggest challenges organizations face on a day-to-day basis. Aside from the high cost of treatment, pressure injuries also have a major impact on patients’ lives and on a facility’s ability to provide appropriate care to its patients.¹

Prevalence and cost
The problem of pressure ulcers in Canada spans the continuum of healthcare settings and affects a wide variety of healthcare professionals. According to a study published in Ostomy Wound Management, the overall estimate of pressure ulcers in all healthcare institutions across Canada was 26%.²

Wounds cost the Canadian healthcare system $3.9 billion annually (or 3 percent of total healthcare expenditures).³

A challenging condition
Addressing pressure injuries has always been a challenge, not just for caregivers, but also for the healthcare industry, because the epidemiology of pressure injuries varies by clinical setting.¹

The sacrum and the heels are the most common site to develop pressure injuries.⁴
Pressure injuries affect more than 2.5 million patients per year.

** GUIDELINES **

### Accreditation Canada Required Organizational Practice

**Major Test For Compliance:**

The team implements documented protocols and procedures based on best practice guidelines to: prevent the development of pressure ulcers, which may include interventions to prevent skin breakdown; minimize pressure, shear and friction; reposition; manage moisture; optimize nutrition and hydration; and enhance mobility and activity.

### National Pressure Ulcer Advisory Panel (NPUAP)

Repositioning of an individual is undertaken to reduce the duration and magnitude of pressure over vulnerable areas of the body and to contribute to comfort, hygiene, dignity, and functional ability.

- Avoid subjecting the skin to pressure and shear forces.
- Turn the individual into a 30-degree side lying position, and use your hand to determine if the sacrum is off the bed.
- Ensure that the heels are free from the bed.
- Continue to reposition an individual when placed on any support surface.
- Use a pressure redistributing chair cushion for individuals sitting in chairs or wheelchairs.

### Wound Ostomy and Continence Nurses Society (WOCN)

For patients who are at risk for heel pressure ulcers, elevate (float) and offload the heel completely and redistribute the weight of the leg along the calf without putting pressure on the Achilles tendon.

Assess pressure ulcer(s) on admission to a care setting, and regularly reassess and monitor for any signs of skin or wound deterioration.

Implement measures to reduce the risk of developing pressure ulcers: minimize/eliminate pressure, friction, and shear.

### Additional Risk Factors

- Reduced mobility or immobility
- Vascular disease
- Acute illness
- Level of consciousness
- Extremes of age

How do we stop nurses from becoming patients?

Healthcare professionals incur musculoskeletal (MSK) injuries/nonfatal injuries on the job more often than any other private industry occupation.¹

Healthcare workers are more likely to be injured on the job than any other occupation—more than construction laborers, firefighters, and police officers.¹

The most common tasks that lead to injury are patient:⁷

- Lifting
- Transferring
- Repositioning

It’s a costly problem …

$26,700

Cost of nurse turnover³

… that may get worse

Adult obesity in Canada is projected to increase⁴

Estimates project 25,700 unfilled nursing jobs by 2024⁵

Who takes care of patients when healthcare workers are injured on the job?

Many healthcare workers leave the profession early due to debilitating arm, back, and shoulder injuries. More nurses are worried about getting a back injury than contracting an infectious disease.⁶ And for good reason:

- 56% of nurses have experienced MSK pain that was caused by or made worse at work⁶
- 80% continued to work despite having MSK pain⁶
- 48% of hospital worker injuries that result in days away from work are caused by overexertion or bodily reaction, which includes motions such as lifting, bending, reaching, or slipping without falling⁷
How is your hospital addressing safe patient handling?

There is no such thing as safe manual lifting of patients, regardless of body mechanics.3

- 30+ years of research and experience show that relying on proper body mechanics or manual lifting techniques alone is not effective to reduce back and other MSK injuries.4

Hospitals are investing in equipment, but healthcare workers are still getting injured

82% of healthcare workers who sustained an MSK injury did not use facility lifting equipment.10

Why aren’t nursing staff using lifting equipment?

The equipment may not be easily accessible. It may be located away from patient care areas, moved to another floor, unavailable while being reprocessed, or, worse yet, locked away in a closet.11

RECOMMENDATIONS & GUIDELINES

Canadian Centre for Occupational Health and Safety

The physical stresses and exertion involved in caring for nursing home and hospital patients has caused rising numbers of back injuries and other musculoskeletal problems among direct caregivers.

Injuries generally result from the long-term cumulative physical effort of patient transfers as well as acute effects, which result from accidents during transfers. They may also develop from a “peak load.” Peak loads occur when a one time task or event is performed that requires the body to perform above its capacity.

American Nurses Association (ANA)12

Safe Patient Handling and Mobility (SPHM) Interprofessional National Standards Across the Care Continuum

Principles of the ANA Standards for SPHM, include:

- Establish a culture of safety.
- Implement and sustain a SPHM program.
- Select, install, and maintain SPHM technology.
- Integrate patient-centered SPHM assessment, plan of care, and use of SPHM technology.

AORN13

Task Recommendations:

General lateral transfer

- Use lateral transfer device and 4 caregivers.
- Destination surface should be slightly lower.

Supine

- Anesthesiologist supports head and neck.
- Weight < 157 lb - Use lateral transfer device and 4 caregivers.
- Weight > 157 lb - Use mechanical lift with supine sling, mechanical lateral transfer device, or air-assisted lateral transfer device and 3 to 4 caregivers.

REFERENCES

PREVALON™ MOBILE AIR TRANSFER SYSTEM (MATS)

Safely and easily transfer patients

The Prevalon Mobile Air Transfer System (MATS) is designed to provide nurses with a safe and easy way to laterally transfer their patients. The system uses a cushion of air to move patients laterally from one surface to another with significantly less pulling and without the need for lifting. It is designed to remain with the patient and provide transfer assistance throughout a hospital stay.

**NEW Prevalon Air Pump**
- Easily fits into the Prevalon Air Pump Cart for easy transport or in cabinets and shelves in patient room

**Imaging Capability**
- Acceptable for use in MRI*, X-Ray, CT Scan, and ultrasounds

**Cradle Inflation**
- Cradles patient with two-phase inflation and raises patient in one smooth motion

**Expandable Hose**
- Extends to 3 m / 10 ft to easily accommodate care settings

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*Prevalon MATS is MR safe by rationale. The device is made from all non-metal materials; therefore MR safety testing was not performed. Compatibility tests did not show artifacts. Based on rationale, the MAT is electronically non-conductive and non-magnetic.

- Effectively absorbs and locks in moisture to protect patient’s skin while allowing air to flow through

- Inflation provides comfortable support for the head and neck

- Provides an easy, secure connection and a quick release

- Positioned along outer edges

- Helps protect hose from environmental contamination

- Integrates into workflow to improve efficiency by allowing caregiver to focus on patient at the bedside

Prevalon MATS
96 cm x 206 cm
39” x 81”
10 systems/case
Reorder #3242
Reorder #3247
Without M² Microclimate Body Pad

Prevalon Air Pump - 120V
1/case
Reorder #7455
Prevalon Air Pump Filter Replacement
4/case
Reorder #7465

Hose Protection Sleeve (HPS)
50/case
Reorder #7460

Prevalon Air Pump Cart
1 cart/case
Reorder #7475

Hose Protection Sleeve (HPS)
50/case
Reorder #7460

M² Microclimate Body Pad
30 pads/case (6 bags of 5)
Reorder #7250

Prevalon Air Pump Cart
1 cart/case
Reorder #7475
Laterally transfer patients of all sizes

The Liftaem System helps reduce the risk of injuries resulting from lateral patient transfers. It significantly reduces the cumulative effects of handling thousands of pounds of weight in multiple patient transfers throughout a nurse’s routine shift. When used in conjunction with an evidence-based protocol, the Liftaem System can help reduce injuries and eliminate potential costs to healthcare systems.

**Prevalon Liftaem Cart**
- Hangs from bed or stretcher for point-of-care access
- Liftaem Mats fit into basket of Liftaem Cart for easy transport
- Convenient straps to hold hose and power cord when not in use
- Easily fits in cabinets, on shelves, and in patient rooms

**Expandable Hose**
- Extends to 3 m / 10 ft to easily accommodate care settings

**Small, portable design blower**
- Hangs from bed or stretcher for point-of-care access
- Fits into basket of Liftaem Cart for easy transport
- Convenient straps to hold hose and power cord when not in use
- Easily fits in cabinets, on shelves, and in patient rooms

**REFERENCE:**
1. Data on File, Sage Products LLC.
Head and Foot Indicator
• Ensures proper patient placement

Center Line Indicator
• Ensures proper alignment under patient

LOW-FRICTION SURFACE
• Reduces friction to assist transfer
• Approximately 2,400 pin holes evenly distribute air-flow across mat

INTEGRATED HANDLES
• Sturdy and comfortable
• Easy to clean

INLET PORT
• Easily and securely connects to blower hose in one step
• Provides quick release in case of emergency

Prevalon Liftaem Mat
122 cm x 203 cm
48" x 80"
10 systems/case
Reorder #3148

99 cm x 203 cm
39" x 80"
10 systems/case
Reorder #3139

89 cm x 203 cm
35" x 80"
10 systems/case
Reorder #3135

Prevalon Liftaem Half Mat
89 cm x 107 cm
35" x 42"
10 systems/case
Reorder #3130

Prevalon Blower
120V
1 Blower/case
Reorder #3010

Prevalon Cart
1 cart/case
Reorder #3011
Safe positioning for healthcare workers and patients

Boosting and repositioning patients in bed is a high-frequency task. The Prevalon AirTAP System uses air-assisted technology to significantly reduce the force required to move patients. To reduce the risk of pressure ulcers, the Prevalon AirTAP System maintains an optimal microclimate and delivers proper sacral offloading.

Hi-tech Fabric
- Promotes a healthy microclimate for the skin and is compatible with low air loss technology
- Easy to clean surface

M² Microclimate Body Pad
- Effectively absorbs and locks in moisture to protect patient’s skin while allowing air to flow through

NEW Prevalon Air Pump
- Safely fits under most ICU beds
- Hanging clip allows booster pump to travel easily with bed

REFERENCE:
1. Data on File, Sage Products LLC.
Prevalon AirTAP Patient Repositioning System
1 Prevalon AirTAP Glide Sheet
1 M' Microclimate Body Pad
2 30° Body Wedges
5 systems/case Reorder #7217

30° Anchor Wedge System
5 pair/case Reorder #7295

Prevalon AirTAP Glide Sheet
10 each/case Reorder #7219

NEW Quick Connect Valve
- Provides an easy, secure connection and a quick release

EASY ROLL HANDLES
- Encourage proper posture for healthcare worker

TAPERED DESIGN
- Ensures patient’s head maintains neutral position while inflated
- Helps maintain natural side lying position and reduces pressure by offloading sacrum
- Minimizes patient migration down the bed
- Reduces the need for boosting, minimizing shear and friction

ANCHOR WEDGE SYSTEM

STANDARD
91 cm x 140 cm
36” x 55”

M’ Microclimate Body Pad
30 pads/case (6 bags of 5)
Reorder #7250

Prevalon Air Pump - 120V
1/case
Reorder #7455

Prevalon Air Pump Filter Replacement
4/case
Reorder #7465

Hose Protection Sleeve (HPS)
50/case
Reorder #7460

Prevalon Booster Pump - 120V
1/case Reorder #7450

Prevalon AirTAP Booster Pump Filter Replacement
5/case Reorder #3010-F

800-323-2220
**PREVALON™ TURN & POSITION SYSTEM (TAP) XL/XXL**

**Turning and repositioning of larger patients**

This system helps reduce the risk of injury to nurses and other caregivers by providing an ergonomically friendly method of turning and repositioning larger patients.

**LOW-FRICTION GLIDE SHEET**
- Larger size glide sheet and M² Microclimate Body Pad accommodate bariatric patients

**MATTRESS COVER**
- Secures to most bariatric hospital beds
- Can be used in place of a fitted/flat hospital sheet to help reduce friction

**WEDGE SYSTEM**
- Larger size wedges redistribute pressure for bariatric patients
- Velcro strips attach to low-friction glide sheet, keeping body wedges in place under patient

**Prevalon TAP XL/XXL**
1 Mattress Cover
1 Low-Friction Glide Sheet with Anti-Shear Strap
6 M² Microclimate Body Pads
2 30° Body Wedges

**XL**
- 104 cm x 130 cm
- 41” x 51”
- 40-44 in
- 102-132 cm
- < 800 lbs
- < 362 kg
- 1 system/case Reorder #7220

**XXL**
- 117 cm x 130 cm
- 46” x 51”
- > 45 in
- > 114 cm
- < 800 lbs
- < 362 kg
- 1 system/case Reorder #7230

**M² Microclimate Body Pad**
- Effectively absorbs and locks in moisture to protect patient’s skin while allowing air to flow through

**XL**
- 20 pads/case (4 bags of 5)
- Reorder #7255

**XXL**
- 20 pads/case (4 bags of 5)
- Reorder #7260
Turn and position patients safely

The Prevalon Turn & Position System 2.0, unlike lift slings and plastic slide sheets, stays under the patient at all times. It’s always ready to assist with turning, repositioning, and boosting the patient. This makes it possible for nurses and staff to achieve compliance to a q2 turning protocol while providing the best care and minimizing stress on the patient.

M² Microclimate Body Pad
- Effectively absorbs and locks in moisture to protect patient’s skin while allowing air to flow through

LOW-FRICTION GLIDE SHEET
- Works with anchor wedge system to reduce friction and shear
- Dermasuede material grips the microclimate body pad to keep it in place

ANCHOR WEDGE SYSTEM
- Helps maintain natural side lying position and reduces pressure by offloading sacrum
- Minimizes patient migration down the bed
- Reduces the need for boosting, minimizing shear and friction

ORANGE BOOST STRAPS
- Promote proper body mechanics and reduce reliance on grip strength

BLACK POSITIONING HANDLES
- Assists with quick, gentle microturns to position the patient at the appropriate angle

Prevalon TAP 2.0
2 30° Body Wedges with Anchor Wedge System
1 Low-Friction Glide Sheet
1 M² Microclimate Body Pad
5 systems/case  Reorder #7201
Reorder #7201–WBS (Without Boost Straps)

STANDARD
92 cm x 140 cm
36” x 55”

< 550 lbs
< 250 kg
< 40 in
< 102 cm

M² Microclimate Body Pad
30 pads/case (6 bags of 5)
Reorder #7250

30° Body Wedges with Anchor Wedge
5 pair/case  Reorder #7295

Low-Friction Glide Sheet
20 each/case  Reorder #7296
PREVALON™ TURN & POSITION SYSTEM (TAP) 1.0

Reduce risk factors for skin injury and patient handling injury

The Prevalon Turn & Position System 1.0 is designed to assist and maintain proper patient positioning to offload the sacrum. It also effectively manages moisture and body heat to protect the patient’s skin. In addition, it helps reduce the risk of injuries to nurses and caregivers by providing a more ergonomically friendly method of repositioning patients.

30° Body Wedges
- Soft foam wedges allow staff to easily position patients for consistent protection and pressure redistribution.

M² Microclimate Body Pad
- Effectively absorbs and locks in moisture to protect patient’s skin while allowing air to flow through.

Low Friction Glide Sheet
- Works with the 30° Body Wedge System to reduce friction and shear.
- Dermasuede material grips the microclimate body pad to keep it in place.

Anti-Shear Strap
- Anchors the system to the bed to reduce shearing.

Positioning Handles
- Assists with quick, gentle microturns to position the patient at the appropriate angle.

Prevalon TAP 1.0

2 30° Body Wedges
1 Low-Friction Glide Sheet
1 M² Microclimate Body Pad
5 systems/case Reorder #7200

STANDARD
92 cm x 140 cm
36" x 55"

< 550 lbs
< 250 kg
< 40 in
< 102 cm

M² Microclimate Body Pad
30 pads/case (6 bags of 5) Reorder #7250

30° Body Wedges
5 pairs/case Reorder #7297

Low Friction Glide Sheet
20 each/case Reorder #7296
PREVALON™ SEATED POSITIONING SYSTEM (SPS)

Designed to promote early patient mobility and reduce risk factors for patient handling injury

Boosting and repositioning patients in the bedside chair can put clinicians at risk for injury. The Prevalon Seated Positioning System provides an easy option for clinicians to safely glide patients to an optimal upright-seated position without lifting. It is uniquely engineered to keep the seated patient in place, minimizing the need for repetitive boosting and repositioning.

ONE-WAY GLIDE
- Unique material resists forward movement, ensuring patients remain in an optimal position

MULTI-CAMBER AIR CUSHION
- Redistributes pressure and provides comfort and security while allowing patient to shift in the chair

Microclimate Management Pad
- Contains and absorbs fluid to protect patient’s skin while allowing air to flow through

Multi-grip handles
- Promotes proper ergonomics for healthcare worker posture and body mechanics

Prevalon Seated Positioning System
- 1 Seated Positioning Cushion with Fastener Strips
- 1 Microclimate Management Pad
- 5 systems/case
- Reorder #7530
- High Elevation (Above 3000 ft)
- 5 systems/case
- Reorder #7531

Prevalon Seated Positioning System
- 1 Seated Positioning Cushion with Fastener Strips
- 5 Microclimate Management Pads
- 3 systems/case
- Reorder #7555
- High Elevation (Above 3000 ft)
- 3 systems/case
- Reorder #7556

Microclimate Management Pad
- 30 pads/case (6 bags of 5)
- Reorder #7550
PREVALON™ HEEL PROTECTORS

The heel is the second most common site for pressure injury development. The Prevalon Heel Protector was specifically designed to help reduce the risk of heel pressure injury while keeping the foot and leg in a neutral position.

**PREVALON HEEL PROTECTOR**

- Offloads the heel
- Sequential Compression Device (SCD) Compatible

**Low-Friction Outer Shell**
- Helps maintain patient’s freedom of movement by easily sliding over bed sheets

**Closure Straps**
- Help secure foot

**Dermasuede Fabric Interior**
- Gently grips limb so it remains fully offloaded, even when patient is moving

**Contracture Strap**
- Helps prevent plantar flexion contracture

**Expandable Straps**
- Stretch to accommodate lower limb edema
- No sharp edges or irritating surfaces

**Rip-stop Nylon**
- Helps maintain patient’s freedom of movement by easily sliding over bed sheets

**SCD Compatible**

PREVALON HEEL PROTECTOR

- Offloads the heel
- Reduces plantar flexion contracture risk
- Helps prevent lateral rotation, reducing risk of peroneal nerve damage
- Sequential Compression Device (SCD) Compatible

Rip-stop Nylon
- Helps maintain patient’s freedom of movement by easily sliding over bed sheets

Contracture Strap
- Helps prevent plantar flexion contracture

Prevalon Heel Protector I
Recommended for patients with calf circumference of:
25 cm – 46 cm (10 in – 18 in)
8 packages/case
Reorder #7305

Prevalon Heel Protector II
Recommended for patients with calf circumference of:
25 cm – 46 cm (10 in – 18 in)
8 packages/case
Reorder #7300
2 packages/case
Reorder #7302

Prevalon Heel Protector III with integrated wedge
Recommended for patients with calf circumference of:
25 cm – 46 cm (10 in – 18 in)
8 packages/case
Reorder #7355

Prevalon Heel Protector III XL with integrated wedge
Recommended for patients with calf circumference of:
46 cm – 61 cm (18 in – 24 in)
2 packages/case
Reorder #7382

Prevalon Heel Protector III Petite with integrated wedge
Recommended for patients with calf circumference of:
15 cm – 25 cm (6 in – 10 in)
8 packages/case
Reorder #7310
2 packages/case
Reorder #7312

Foot and Leg Stabilizer Wedge
For use with reorder #7300 and #7302
10 packages/case
Reorder #7350

SCD Compatible

Dermasuede Fabric Interior
- Gently grips so it remains fully offloaded, even when patient is moving

Expandable Straps
- Stretch to accommodate lower limb edema
- No sharp edges or irritating surfaces

Integrated Anti-Rotation Wedge
- Helps prevent lateral foot and leg rotation, reducing the risk of peroneal nerve damage

Prevalon Heel Protector III
Recommended for patients with calf circumference of:
25 cm – 46 cm (10 in – 18 in)
8 packages/case
Reorder #7355

Prevalon Heel Protector III
Recommended for patients with calf circumference of:
46 cm – 61 cm (18 in – 24 in)
2 packages/case
Reorder #7382

Prevalon Heel Protector III
Recommended for patients with calf circumference of:
15 cm – 25 cm (6 in – 10 in)
8 packages/case
Reorder #7310
2 packages/case
Reorder #7312

Foot and Leg Stabilizer Wedge
For use with reorder #7300 and #7302
10 packages/case
Reorder #7350

SCD Compatible

Dermasuede Fabric Interior
- Gently grips so it remains fully offloaded, even when patient is moving

Expandable Straps
- Stretch to accommodate lower limb edema
- No sharp edges or irritating surfaces

Integrated Anti-Rotation Wedge
- Helps prevent lateral foot and leg rotation, reducing the risk of peroneal nerve damage
Proven results

Prevalon Liftaem Mobile Patient Transfer System (MATS)
77% reduction in healthcare worker injuries¹

Prevalon Turn and Position System (TAP)
74% reduction in employee injury saves²
48% decrease in hospital-acquired pressure injury (HAPI)

Prevalon Seated Positioning System (SPS)
Overall standard of care was
246% greater exertion vs. 2 caregivers using SPS³

Prevalon Heel Protector
72% decrease in heel pressure ulcers over 4 years⁴


www.sageproducts.ca
Prevalon Promise*

Our goal is to build partnerships today that deliver better outcomes tomorrow. The Sage Prevalon Promise is designed to help address pressure injury (PI) and patient handling injury (PHI) rates through product, process, and education.

Through this partnership, we will work with you to provide the right product for the right patient to address the right problem.

The program provides the tools and resources needed to focus on reducing pressure injuries and patient handling injuries. We provide education while focusing on delivering outcomes for your patients, staff, and facility.

Sage Commitment

- Product and process education training for staff
- Pre- and Post-intervention assessments
- CustomerOne™ tracking and reporting
- Access to Sage Speaker Program with education from Key Clinical Thought Leaders
- Support and clinical education through Sage Clinical Science Liaison Team

Pressure Injury Tools

- Access to pressure injury continuing nursing education program
- Pressure injury workbook provided through Stryker
- Use of Pressure Injury Prevalence Audit online toolkit

Patient Handling Injury Tools

- Access to safe patient handling continuing nursing education program

Program Advantages

- After implementing the Sage Prevalon Promise, the facility will have the ability to:
  - Assist with protocol and procedure development
  - Track and validate clinical and financial outcomes
  - Measure and maximize compliance to PI and PHI protocol

Did you know?

During a typical 8-hour shift, a nurse lifts 1.8 tons

Pressure injuries affect more than 2.5 million patients a year

Healthcare is the #1 industry for work-related injuries

*Facility must meet eligibility requirements as outlined in the Prevalon Promise customer agreement.

Simple Interventions. **Extraordinary Outcomes.™**

Our market-leading products solve real problems in the healthcare industry. We develop and manufacture these products to make it easier for you to deliver essential patient care while helping to prevent infections, address skin breakdown, and reduce the risk of staff injury.

- **Comfort Bath® Cleansing Washcloths** eliminate the contamination risk from bath basins.
- **Help reduce your risk for incontinence-related skin problems with Comfort Shield® Barrier Cream Cloths.**
- **Standardize patient hygiene protocol with a clean technique using M-Care® Meatal Cleansing Cloths for the Foley Catheterized Patient.**
- **Provide comprehensive oral care with Q•Care® Oral Cleansing and Suctioning Systems.**