



Hillrom™

**OVERCOMING
CHALLENGES IN THE
ICU WITH PROGRESSA®
SMART BED**

Empowering essential care teams
to get the most critical patients back
on their feet.



Hillrom™

THE EVER CHANGING ICU

The world is changing. You are at the forefront of a pandemic and every day brings new challenges. The one thing that hasn't changed is your commitment to care.

ICUs are operating at full capacity, while care teams work around the clock to save critically ill patients who are fighting for their lives.

CLICK ON EACH ICON TO LEARN MORE.





SUPPORTING YOUR BIGGEST CHALLENGES

You're committed to caring for your patients and Hillrom is committed to caring for you.

The Progressa® bed is designed to help make everyday tasks in the ICU easier so you can spend more time with your most critical patients, helping them move toward recovery.

LET THE PROGRESSA® BED HELP YOU MAKE EARLIER MOBILITY A PRIORITY IN DAILY CARE TO:

CLICK ON EACH ICON TO LEARN MORE.

1. HELP PATIENTS
BREATHE EASIER

2. PROTECT PATIENTS'
SKIN

3. GET PATIENTS UP
AND MOVING SOONER

**OVERVIEW**

HELP PATIENTS BREATHE EASIER

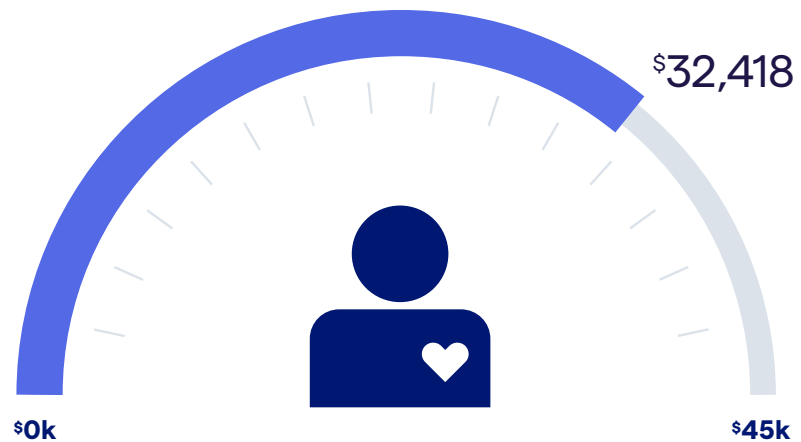
When patients have pulmonary complications, it typically means more time spent in the ICU and added costs for hospitals.

VENTILATOR ASSOCIATED EVENTS

Ventilator Associated Pneumonia (VAP) has been linked to increased length of stay in the ICU.

THE AVERAGE ICU STAY OF 6-9 DAYS¹ AND CAN COST UP TO

\$32,418²

**References**

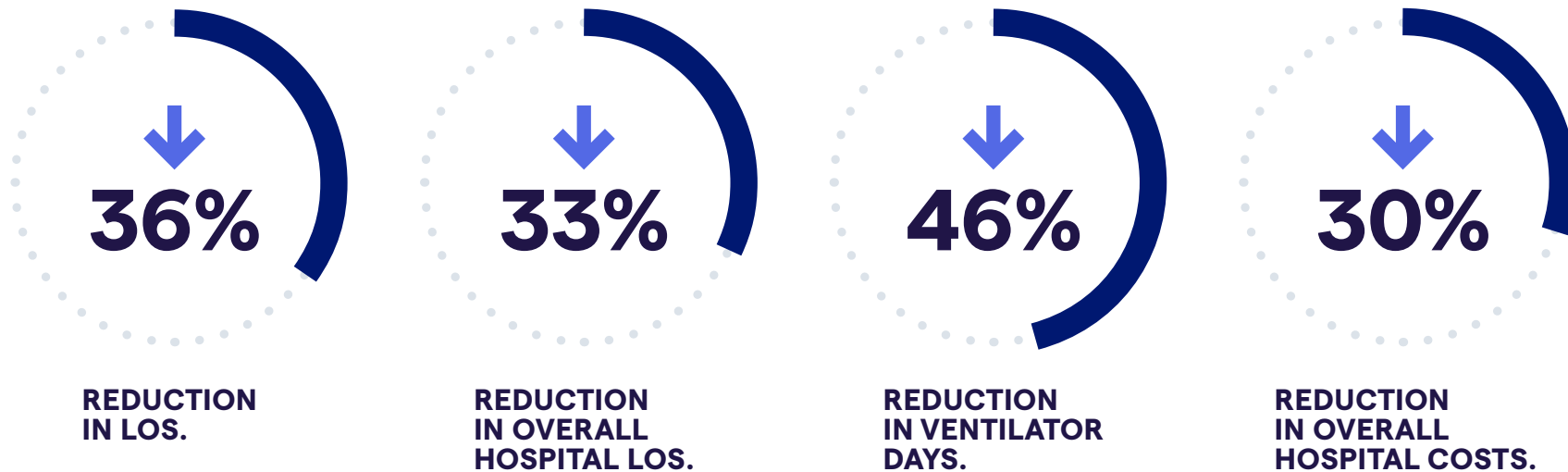
- ¹ Halpern NA, Pastores SM. (2010). Critical care medicine in the United States 2000-2005: an analysis of bed numbers, occupancy rates, payer mix, and costs. *Critical Care Medicine*, 38(1):65-71.
- ² Dasta JF, et al. *Critical Care Medicine* 2005;33(6):1266-71.

**EVIDENCE**

HELP PATIENTS BREATHE EASIER

Pulmonary therapy can help get patients off the ventilator and breathing on their own.

Study conducted at the Cleveland Clinic with 637 neurology ICU patients found that pulmonary therapy led to:



[Click to view the poster.](#)

References

¹ Klein KE, Bena JF, Albert NM. (2015). Impact of early mobilization on mechanical ventilation and cost in neurological ICU. Am J Respir Crit Care Med, 191:A2293.

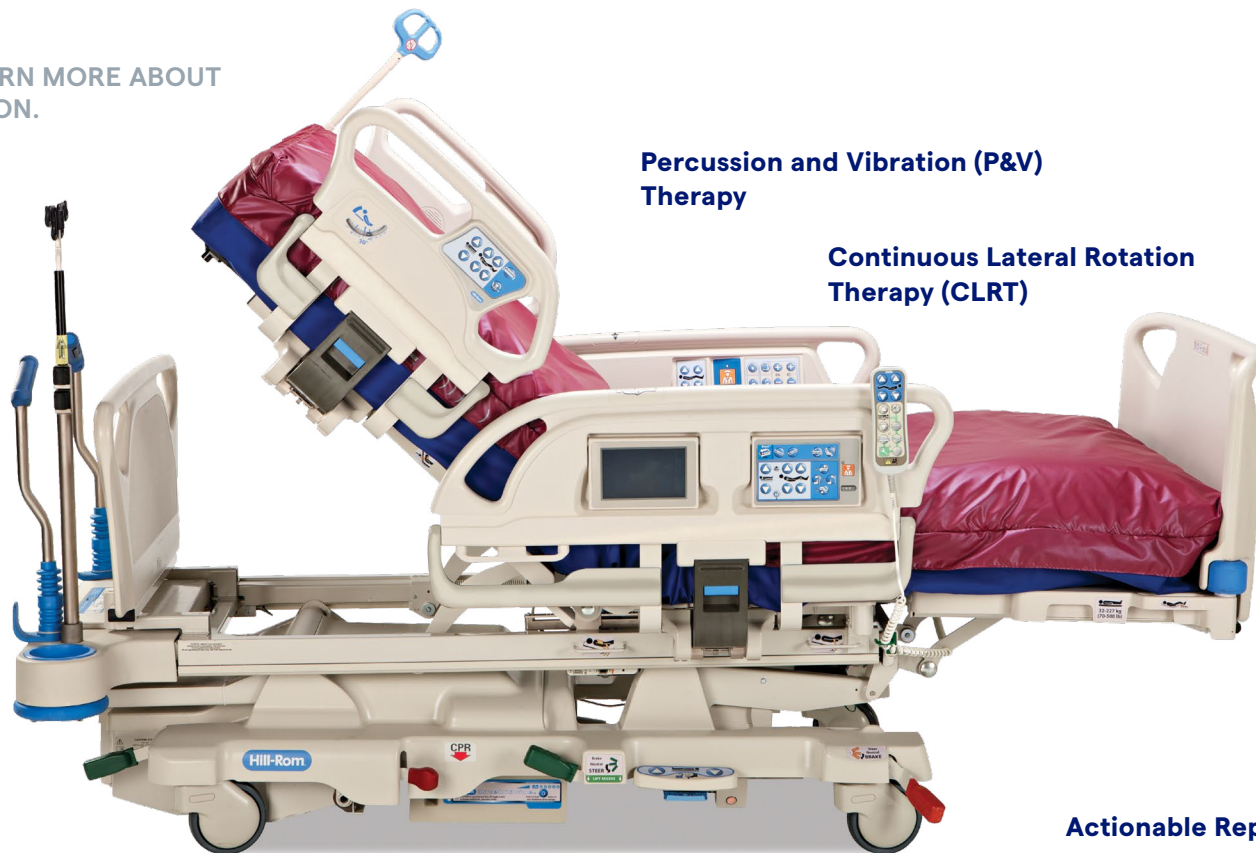


SOLUTIONS

HELP PATIENTS BREATHE EASIER

The Progressa® Smart Bed provides in-bed therapies to help reduce pulmonary complications caused by immobility.

CLICK TO LEARN MORE ABOUT EACH SOLUTION.



Percussion and Vibration (P&V) Therapy

Continuous Lateral Rotation Therapy (CLRT)

Actionable Reporting Data



Click to see more solutions.

HELP PATIENTS BREATHE EASIER

Percussion & Vibration (P&V) Therapy



PATIENT:

Helps loosen secretions in the lungs for easier removal.



CAREGIVER:

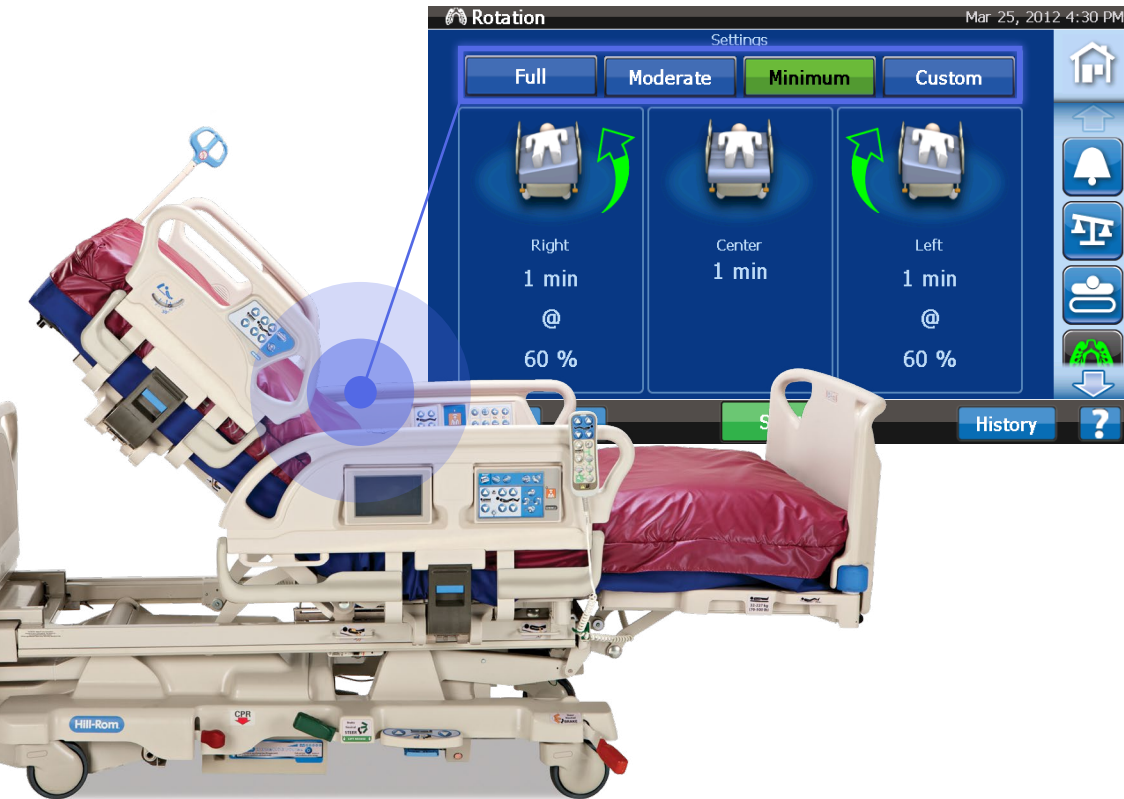
Easily programmable on the color touchscreen, you can deliver this therapy in-bed with the touch of a few buttons, reducing the need to find additional devices or care team members to start treatment.



Click to see more solutions.

HELP PATIENTS BREATHE EASIER

Continuous Lateral Rotation Therapy (CLRT)



PATIENT:

Helps loosen secretions in the lungs for easier removal. The Progressa® bed full body CLRT also maintains body alignment for optimal pressure redistribution, resulting in a more comfortable, therapeutic experience.



CAREGIVER:

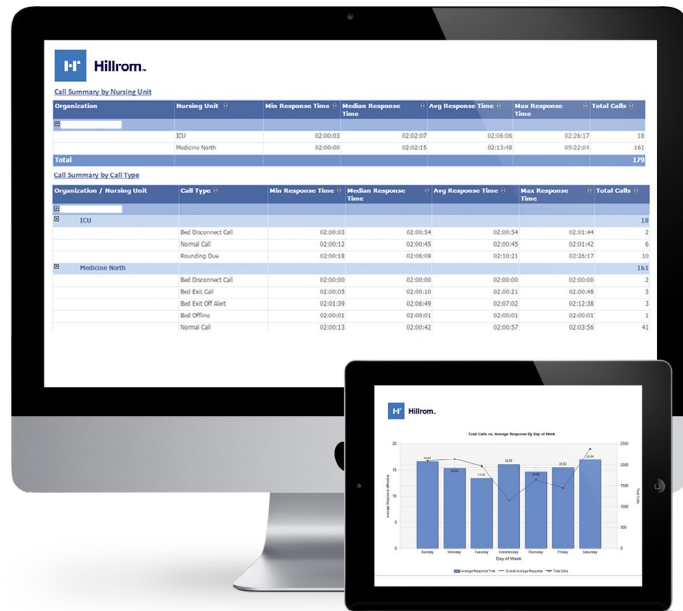
Easily programmable on the color touchscreen, you can deliver this therapy in-bed with the touch of a few buttons, reducing the need to find additional devices or care team members to start treatment.



Click to see more solutions.

HELP PATIENTS BREATHE EASIER

Actionable Reporting Data



Pulmonary Reporting Data:

- Head-of-bed (HOB) angle
- 30° HOB angle alarm armed
- 30° HOB angle alarming
- Percussion Therapy
- Vibration Therapy
- Rotation Therapy
- [CLICK HERE](#) to view the matrix for more.



PATIENT:

Help prevent adverse events and improve quality of care with increased visibility to nurses.



CAREGIVER:

Collect and store information to help prevent Ventilator Acquired Pneumonia. A connected smart bed helps identify opportunities to improve care while also optimizing workflow to save you time. Additionally, you'll preserve valuable PPE by monitoring from outside the patient room.

**OVERVIEW**

PROTECT PATIENTS' SKIN

When you're helping patients recover, the last thing you need is a pressure injury working against you.

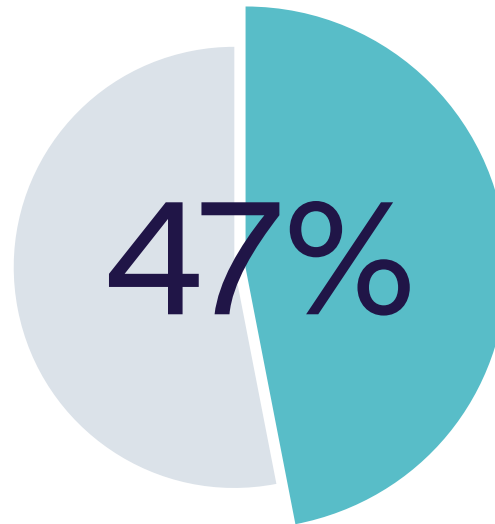
PRESSURE INJURIES

\$43K average cost of care for Stage III or IV pressure injury in acute care and an additional 4-day LOS.^{1,2}

Average 100-bed facility,

170

PATIENTS WILL ACQUIRE A PRESSURE INJURY.^{3,4}

**INCONTINENCE ASSOCIATED DERMATITIS**

47% OF PATIENTS ARE INCONTINENT,

of which 45% have IAD during their hospital stay.⁵

References

- ¹ Graves N, Birrell F, Whitby M. (2005). Effect of pressure ulcers on length of hospital stay. *Infect Control Hosp Epidemiol*, 26(3), 293-297.
- ² Centers for Medicare & Medicaid Services. (2008). Medicare Program; Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 2009 Rates. *Fed Regist*, 73(161):48433-49084.42 CFR Parts 411, 412, 413, 422, and 489.
- ³ 2014 AHA Data.
- ⁴ 2013 Hill-Rom IPUP™ Survey. Data on file.
- ⁵ Gray M and Giuliano K. *J Wound Ostomy Continence Nurs*. 2017;00(0):1-5.

**EVIDENCE**

PROTECT PATIENTS' SKIN

Combine Advanced Microclimate® technology, incontinence management systems and StayInPlace™ technology to address the five factors of skin breakdown—pressure, shear, friction, heat and moisture—for optimal wound healing and skin protection.

Study conducted at University of Cincinnati, followed by additional research from Dr. Amit Gefen, found:

Study conducted at Dartmouth revealed response time went from 123 minutes down to 9 minutes when WatchCare was implemented:

**84% LESS MIGRATION**

ON ICU BEDS WITH STAYINPLACE™ TECHNOLOGY, RESULTING IN REDUCED SHEAR ON THE SKIN THAT'S BEEN LINKED TO PRESSURE INJURIES.¹

**85% REDUCTION**

IN SKIN'S EXPOSURE TIME TO MOISTURE.²

[Click to view the study.](#)

[Click to view the poster.](#)

References

¹ Lusting, Wiggermann, Gefen (2020).

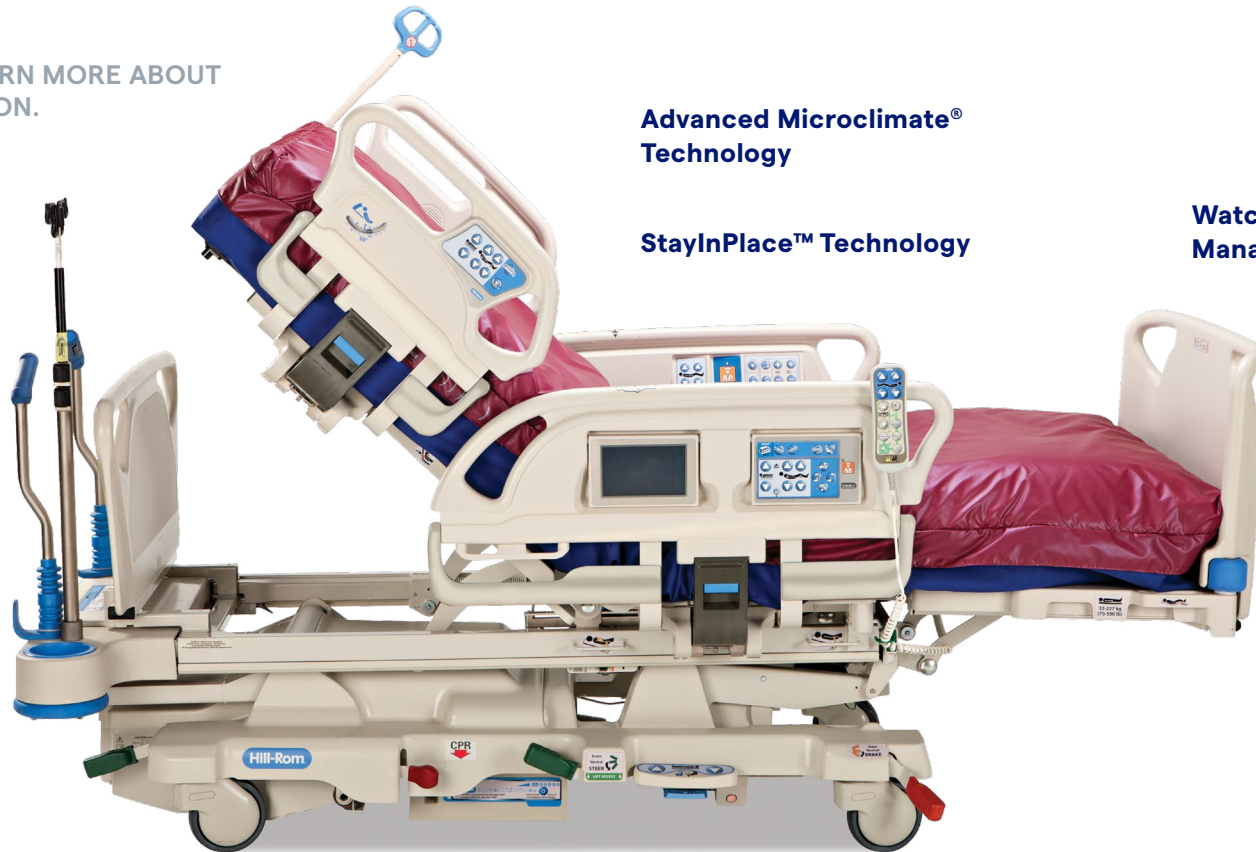
² Abbott C, et al. Incontinence Management System Use Significantly Reduces Incontinence Exposure Time. 2019 American College of Wound Healing and Tissue Repair Conference.



PROTECT PATIENTS' SKIN

The Progressa® Smart Bed low air loss surfaces with StayInPlace™ technology can help prevent and treat pressure injuries. With the addition of patient safety applications, like the WatchCare™ Incontinence Management System, rest assured you're doing everything you can to protect patients' skin.

CLICK TO LEARN MORE ABOUT EACH SOLUTION.



**Advanced Microclimate®
Technology**

StayInPlace™ Technology

**WatchCare™ Incontinence
Management System**

**FlexAfoot™
Mechanism**

Turn Assist

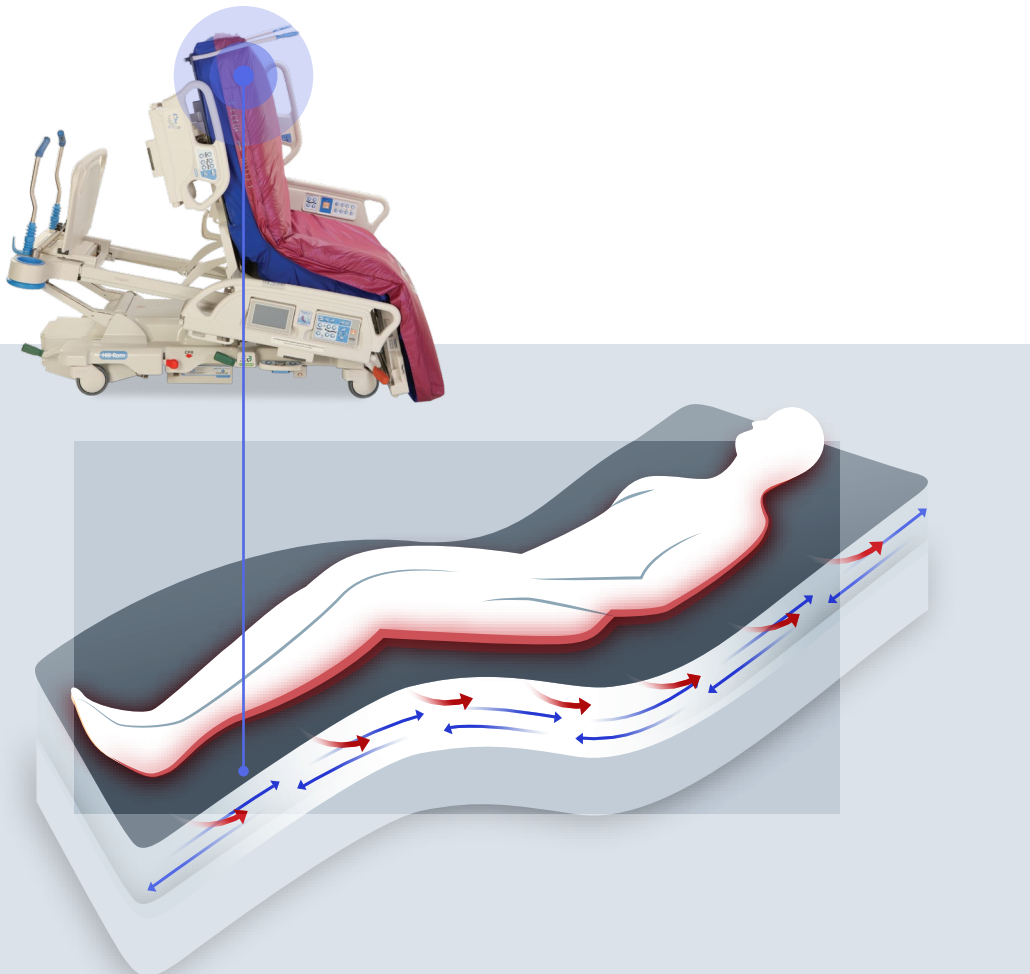
Actionable Reporting Data



Click to see more solutions.

PROTECT PATIENTS' SKIN

Advanced Microclimate® Technology



PATIENT:

Advanced Microclimate® Technology helps reduce heat and moisture at the surface, keeping patients' skin cool and dry.



CAREGIVER:

An integrated low air loss surface means you can:

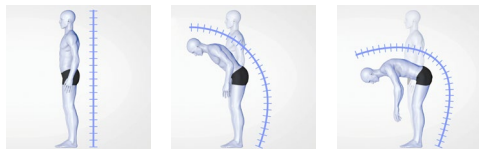
- Provide weight-based pressure redistribution that adjusts to patient's weight, body type, movement and bed position
- Deliver therapy to your patient when they need it
- Save time searching for standalone mattresses and pumps
- Avoid unnecessary transfers to rental products



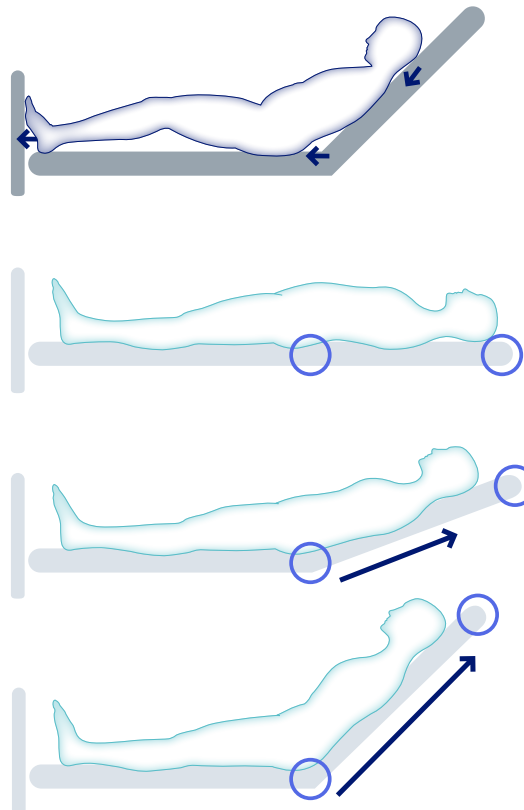
Click to see more solutions.

PROTECT PATIENTS' SKIN

StayInPlace™ Technology



StayInPlace™ Technology



PATIENT:

Stay properly positioned in bed to ensure optimal pressure redistribution and comfort.



CAREGIVER:

Keep patients in a better upright position and avoid sliding down when raising head of bed. This means:

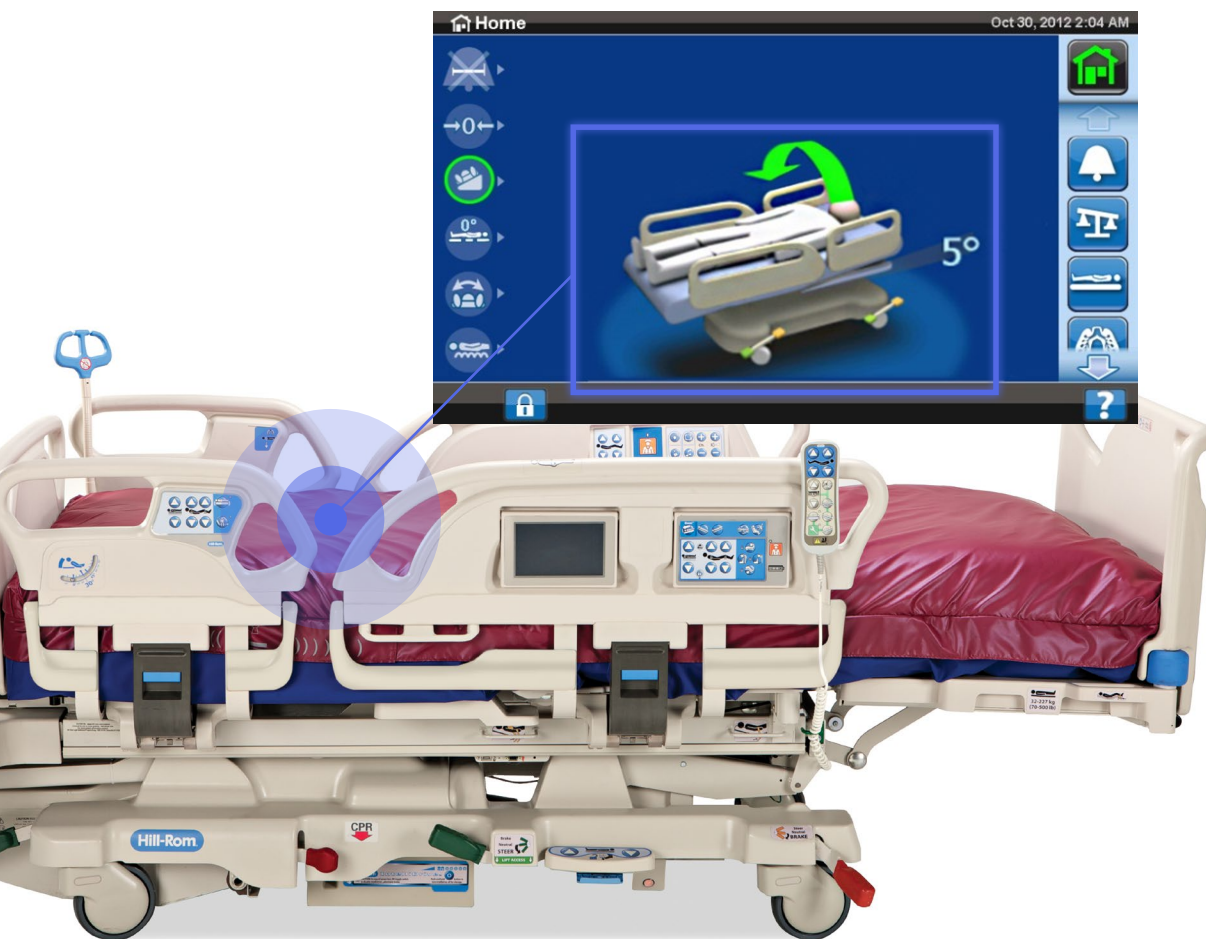
- Less strain on the caregiver
- Reducing the need to physically pull the patient up in bed for repositioning
- Preventing shear to the skin
- Reducing the risk of pressure injuries



Click to see more solutions.

PROTECT PATIENTS' SKIN

Turn Assist



PATIENT:

May help avoid the stress, strain, and discomfort associated with repositioning.



CAREGIVER:

Turn Assist allows caregivers to safely turn patients, making it easier to perform linen changes and other routine tasks.

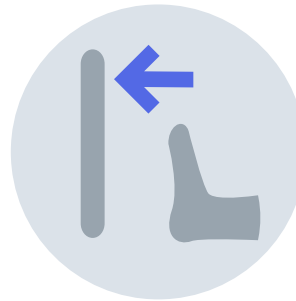
One button positioning can help reduce the time needed to reposition a patient.



Click to see more solutions.

PROTECT PATIENTS' SKIN

FlexAfoot™ Mechanism



PATIENT:

May help avoid the stress, strain, and discomfort associated with repositioning. Helps ensure patient comfort by customizing the bed to fit the patients' height.



CAREGIVER:

Using the FlexAfoot™ retractable foot mechanism makes it easy for you to adjust the overall length of the bed according to a patient's height, helping prevent patients from sliding down in bed and minimizing the need for repositioning.

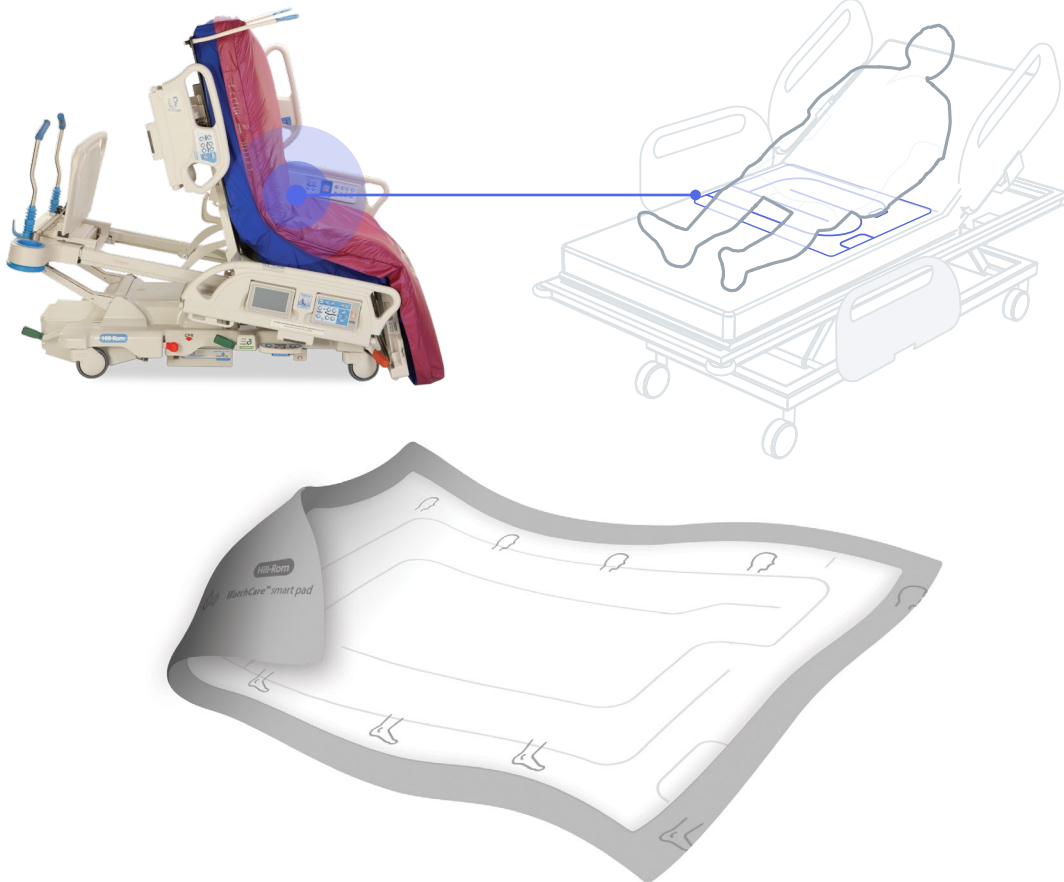
The FlexAfoot™ mechanism can help protect patient's skin by avoiding the friction and shear associated with repositioning.



[Click to see more solutions.](#)

PROTECT PATIENTS' SKIN

WatchCare™ Incontinence Management System



PATIENT:

Allows resting patients to be monitored without awkward incontinence checks, eliminates the embarrassment of self-reporting and promotes dignity.



CAREGIVER:

Provides timely alerts to help reduce patient exposure to moisture while minimizing the threat of painful IAD and full-thickness pressure injuries.

Promotes responsiveness to incontinent events and provides caregivers with information to prioritize the right patient, at the right time.



Click to see more solutions.

PROTECT PATIENTS' SKIN

Actionable Reporting Data



Skin Reporting Data:

- Therapy Surface ON
- Turn Assist Mode
- Patient Weight
- Surface Max inflate
- Sleep mode
- [CLICK HERE](#) to view the matrix for more.



PATIENT:

Helps prevent adverse events and leads to improved quality of care since caregivers have increased visibility to patient conditions.



CAREGIVER:

Collect and store information to help prevent pressure injuries. A connected smart bed helps identify opportunities to improve care while also optimizing workflow to save you time. Additionally, you'll preserve valuable PPE by monitoring from outside the patient room.

**OVERVIEW**

GET PATIENTS UP AND MOVING SOONER

Help your patients avoid future falls by building strength and stamina in the ICU prior to discharge.

**MOBILIZE TO BUILD STRENGTH AND PREVENT FUTURE FALLS**

Strength loss of 50% in first 3-5 days takes

FOUR WEEKS

TO RECOVER.¹⁻³

Patient falls are the most frequently reported adverse incidents in adult inpatient units.⁴ Worse yet, patients who have fallen are:

**PRONE TO LONGER LENGTHS OF STAY⁵****21% MORE LIKELY TO BE READMITTED WITHIN 30 DAYS OF DISCHARGE⁶****2.7X MORE LIKELY TO REQUIRE POST-ACUTE CARE⁶****References**

- ¹ Scott RD. (2009). The Direct Medical Costs of Healthcare-Associated Infections in U.S. Hospitals and the Benefits of Prevention. Centers for Disease Control and Prevention.
- ² Nigam Y, Knight J, Jones A. (2009). Effects of bedrest 3: musculoskeletal and immune systems, skin and self-perception. Nurs Times, 105(23):18-22.

³ Halar EM. (2001). Disuse Syndrome. 1994. Demos Publishing Med⁴ Currie LM. Agency for Research and Quality; 2008.⁵ Wong CA, et al. The Joint Commission Journal on Quality and Patient Safety. 2011;37(2):81-87.⁶ Centers for Medical and Medicaid Services. September 2012.



EVIDENCE

GET PATIENTS UP AND MOVING SOONER

Reduced physical demands when standing translate to a reduced risk of falling for the patient and a lower risk of developing work-related musculoskeletal disorders for the caregiver.



References

¹ Hill-Rom Customer. Oncology Falls Study, OVU. 2015 -2016.



SOLUTIONS

GET PATIENTS UP AND MOVING SOONER

To support patients through early mobilization, the Progressa® bed offers flexible frame options to move patients safely and easily.

CLICK TO LEARN MORE ABOUT EACH MOBILITY SOLUTION.



Full Chair Egress

3-Mode Bed Exit

In-Bed Strength Exercises

Actionable Reporting Data



Click to see more solutions.

GET PATIENTS UP AND MOVING SOONER

Full Chair Egress



PATIENT:

Start standing sooner by getting out of bed safely and comfortably.



CAREGIVER:

One button positioning can help reduce the time needed to reposition a patient while reducing the risk of physical strain on the care team.



Click to see more solutions.

GET PATIENTS UP AND MOVING SOONER

3-Mode Bed Exit



PATIENT:

Ensures safety while in bed and can help prevent falls.



CAREGIVER:

A 3-Mode Bed Exit Alarm alerts you when a patient may be awake, moving or exiting the bed.

Have peace of mind while this is set and rest assured, you'll receive alerts if patient movement is detected.



Click to see more solutions.

GET PATIENTS UP AND MOVING SOONER

In-Bed Strength Exercises – Bed Squats



PATIENT:

More muscle strength means walking sooner and less time spent in the ICU.



CAREGIVER:

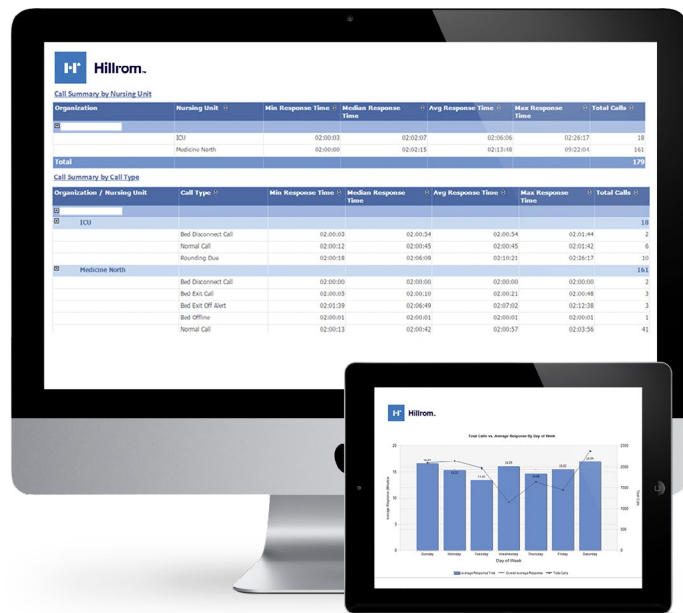
Patients can easily perform bed squats right in the bed, utilizing the footboard to help regain muscle strength.



Click to see more solutions.

GET PATIENTS UP AND MOVING SOONER

Actionable Reporting Data



Falls & Mobility Reporting Data:

- Bed Exit Mode
- Bed Exit Alerting
- Patient Detection
- Head/Foot End Rails Up/Down
- [CLICK HERE](#) to view the matrix for more.



PATIENT:

Helps prevent adverse events and leads to improved quality of care since caregivers have increased visibility to patient conditions.



CAREGIVER:

Collect and store information to help promote early mobility. A connected smart bed helps identify opportunities to improve care while also optimizing workflow to save you time. You can also preserve valuable PPE by monitoring from outside the patient room.

In addition, NaviCare® Patient Safety automates bed exit and provides continuous monitoring of the bed state as shown on the status board.



SMARTCARE™ SERVICES

Protect Your Patients With Proactive Service Solutions

FOR FEWER INTERRUPTIONS, BETTER PATIENT CARE AND PEACE OF MIND.

Your patients rely on our beds for safety and comfort, and you can rely on us to keep them in top condition. We'll make sure your beds are properly serviced so you can focus on your patients.



FEWER INTERRUPTIONS IN CARE

Decrease interruptions in care by up to 79% with proactive, preventive maintenance.¹



EFFICIENCY AND COST SAVINGS

Cut down on repair costs. Enjoy fast response times. Get the most value from your investment.



QUALITY

Be confident your equipment is performing at its best, is safe for patients and caregivers, and complies with regulatory requirements.

References

¹ Hillrom customer results. Data on file.



THE BED IS JUST THE BEGINNING

Future-proof your investment with a platform that evolves with your needs through a roadmap of patient safety applications, offered only by Hillrom.



FALLS PROTOCOL AUTOMATION



SMART BED CONNECTIVITY



INCONTINENCE DETECTION



REAL-TIME ANALYTICS



FUTURE:
PREDICTIVE ALGORITHMS
FOR PROACTIVE CARE

Hill-Rom reserves the right to make changes without notice in design, specifications and models. The only warranty Hill-Rom makes is the express written warranty extended on the sale or rental of its products.

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