Because life-altering moments deserve elevated care
The Evolving State of Med-Surg

A CHANGING ENVIRONMENT

- Increasing Patients, Acuity and Complexity
- Stagnant Technology & Innovations
- Cost Constraints
- High Patient-to-Nurse Ratios
- Staff Turnover, Retention and Training
CONSTANT CHANGE AND INCREASED COMPLEXITY IN MED-SURG REQUIRE A COMPREHENSIVE SOLUTION

- Optimized Patient Safety
- Enhanced Patient Satisfaction
- Advanced Caregiver-Focused Technology
Optimized Patient Safety

- Fall Prevention
- Pressure Injury Prevention
- Early Recognition of Patient Deterioration
- Real-Time Incontinence Detection

Enhanced Patient Satisfaction
Advanced Caregiver-Focused Technology
Help Prevent the ‘Never Event’ That Happens Daily

Annually, in the average 100-bed facility, falls are prevalent and costly events.

179 patients will fall

59 patients will be injured.

Result: Your facility may bear costs of $1.3M or more per year.
Elevate Care: Optimize Patient Safety with Safeview®+ System and 3-Mode Bed Exit

HILLROM™ 3-MODE BED EXIT ALARM AND FALL PREVENTION PROGRAM HELPED RESULT IN:

↓ 23% REDUCTION IN TOTAL FALLS.

↓ 58% REDUCTION IN FALLS WITH MODERATE/MAJOR INJURY.

over a four-year period according to a study conducted at San Francisco General Hospital.³

Together, we can reduce patient falls one Centrella® Smart+ Bed at a time.
NaviCare® Patient Safety

PROVEN TO REDUCE THE AVERAGE RATE OF FALLS BY 62%.\(^4\)
Reduce the Prevalence of Pressure Injuries And Overall Cost of Care

ANNUALLY, IN THE AVERAGE 100-BED FACILITY, PRESSURE INJURIES ARE PREVALENT AND COSTLY EVENTS.

170 PATIENTS WILL ACQUIRE A PRESSURE INJURY

RESULT: Your facility could bear costs of $1.8m or more per year.5,6,7

Using the IPUP™ Survey + Hillrom™ and WOCN® Surface Algorithm + Hillrom™ Surface Technologies helped one facility achieve a

↓ 33% REDUCTION IN PRESSURE INJURY PREVALENCE.8
Pressure Injury Prevention

**Centrella® max Surface**

- **Focused Advanced Microclimate® Technology**
  - Removes up to 4X more heat and 7X more moisture.\(^9\)

- **Weight-Based Pressure Redistribution**
  - Up to 13% less peak sacral pressure.\(^9\)

- **Enhanced Turn Assist**
  - More effective turn in 77% less time.\(^11\)

**Centrella® pro Surface**

- **Targeted Pressure Redistribution**
  - Up to 21% less peak sacral pressure.\(^9\)

- **Best-in-class Comfort**
  - Rated 5X more comfortable.\(^10\)
Enable Earlier Recognition of Patient Deterioration

CONTACT-FREE, CONTINUOUS MONITORING, POWERED BY EARLYSENSE

The only contact-free, continuous monitoring solution integrated into a platform, designed for the med-surg patient.

Continuous monitoring in an inpatient 33-bed med-surg unit led to:

- **86%** Reduction in Number of Code Blue Events
- **45%** Reduction in Number of ICU days on patients transferred from med-surg
- **9%** Reduction in Length of Stay

Customizable Thresholds

Continuous Heart Rate

Continuous Respiratory Rate

Trend data available in intervals up to 7 days
Earlier Recognition of Patient Deterioration

- Contact-Free, Continuous Monitoring +
- Trend Indication
- Early Recognition of Patient Deterioration
- Earlier Intervention
- Improved Patient Safety Outcomes
- Reduced Financial Burden
Elevate the Patient Experience and Enhance Safety Through Real-Time Incontinence Management.

- 47% of patients are incontinent.\textsuperscript{13}
- 45% of incontinent patients have IAD during their hospital stay.\textsuperscript{13}
- 3.56% patients with IAD are 3.56% more likely to develop a sacral pressure injury.\textsuperscript{14}
WatchCare™ Incontinence Management System

**PROTECT PATIENT’S SKIN**
- Provides timely alerts to help reduce patient exposure to moisture
- May minimize the threat of painful IAD and full-thickness pressure injuries

**IMPROVE PATIENT EXPERIENCE**
- Allows resting patients to be monitored without awkward incontinence checks
- Eliminates the embarrassment of self-reporting and promotes dignity

**OPTIMIZE CAREGIVER EFFECTIVENESS**
- Promotes responsiveness to incontinent events
- Provides caregivers with information to prioritize the right patient, at the right time

*SKIN CAN BE COMPROMISED IN AS LITTLE AS 15 MINUTES AFTER EXPOSURE TO MOISTURE, DESPITE THE USE OF A PREMIUM UNDERPAD.¹⁵*

*IN A MED SURG UNIT, TIME WAS REDUCED FROM: 2+ HOURS → 19 MINUTES FOR SKIN EXPOSED TO MOISTURE.¹⁶*
Enhanced Patient Satisfaction

- Optimized Patient Safety
- Advanced Caregiver-Focused Technology
Patient Dissatisfaction is More Common Than You Think

1 IN 3 PATIENTS LEAVE AN AVERAGE HOSPITAL LESS THAN FULLY SATISFIED.¹⁷

When the patient experience declines, so does your reimbursement.

Annually, in the average 100-bed facility:¹⁸,¹⁹

$923,000 will be withheld in Centers for Medicare & Medicaid Services (CMS) reimbursement.

$462,000 will be directly related to Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) and Efficiency of Care.
Centrelta® Smart+ Bed Technology

**NURSE CALL FEATURE:**
Only visible when connected to nurse call and provides audible and visible confirmation of placed calls.

**Comment from a patient about the Centrelta® Smart+ bed at a 350-bed facility in Michigan.**

“The bed is very comfortable. Easy to use, has awesome features. I like how you can adjust the firmness on your own, and that the remote for the bed controls everything.”

**USB PORT AND DEVICE STORAGE AREA:**
Patients can conveniently charge personal devices and store personal items.

**COMMUNICATION**

**COMFORT**

Comment from a patient about the Centrelta® Smart+ bed at a 350-bed facility in Michigan.

**CONVENIENCE**

"The bed is very comfortable. Easy to use, has awesome features. I like how you can adjust the firmness on your own, and that the remote for the bed controls everything.”

YourBed.Hill-Rom.com
Transforming the Patient Experience with the Experience POD™ Device

The Experience POD™ device offers a control panel, USB charging, and personal device holder to help bring home entertainment to the hospital. While in bed, patients can use their own devices to surf the internet, stay in touch with family and friends, and access entertainment such as Netflix and HBO—all hands free!

**THE EXPERIENCE POD™ DEVICE ALSO INCLUDES:**

- Location to mount and charge a personal device
- Patient controls, including comfort adjust
- Active nurse call button
Advanced Caregiver-Focused Technology

- Optimized Patient Safety
- Enhanced Patient Satisfaction
The Demands on the Med-Surg Nurse Continue to Increase

MANY MED-SURG NURSES MANAGE 5-7 PATIENTS AT A TIME.  

High patient volume is a dangerous pattern and can lead to increased harm to patients including healthcare-associated infections, increased length of stay and higher rates of readmission.
Graphical Caregiver Interface (GCI)® Touchscreen

THOUGHTFULLY DESIGNED FOR EASE-OF-USE AND EFFICIENCY
Technology Focused on Keeping Caregivers Safe

HELPS REDUCE THE STRESS AND STRAIN ON CAREGIVERS

INTELLIDRIVE® POWERED TRANSPORT:
Reduce the stress and strain, especially during long patient transports.

ENHANCED TURN ASSIST:
Turn patients up to 30 degrees in 30 seconds – **77% MORE EFFECTIVE** than other beds.\(^{11}\)

BOOST® POSITIONING FEATURE:
Places bed in optimal position to boost patients towards the head of bed.
Smart Bed Technology Enables Wired or Wireless Bed Connectivity

**Makes Bed Data Visible, Useful and Actionable to Aid in Your Patient Safety Initiatives**

- **Status Board:** Visibility into patient bed safety status from outside the patient room.
- **EMR Integration:** Data sent directly to the EMR to reduce manual documentation.
- **Enterprise Reporting:** Reports that provide analytics to drive continuous improvement.
- **Device Manager:** Troubleshooting information for increased bed up-time.*
Centrella® Smart+ Bed

THE EXTENSION OF YOUR CARE TEAM

Centrella® Smart+ Bed

Therapeutic Surfaces

Patient Safety Applications
Therapeutic Surfaces
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THE EXTENSION OF YOUR CARE TEAM

Centrella® Smart+ Bed
Therapeutic Surfaces
Patient Safety Applications

WATCHCARE™ INCONTINENCE MANAGEMENT

CONTACT-FREE, CONTINUOUS MONITORING
powered by EarlySense

NAVICARE® PATIENT SAFETY
Centrella® Smart Bed Solution
THE EXTENSION OF YOUR CARE TEAM

Centrella® Smart+ Bed
Therapeutic Surfaces
Patient Safety Applications
THE BED IS JUST THE BEGINNING.

INNOVATION THAT EVOLVES WITH YOU.

The Centrella® Smart+ bed is not just a bed. It’s a future-proofed investment that evolves with your needs through a roadmap of innovations, only offered by the Centrella platform.

AS YOUR NEEDS EVOLVE, SO DOES THE CENTRELLA® SMART+ BED:

- Data and alert connectivity
- Falls protocol automation
- Contact-free, continuous monitoring
- Incontinence detection

COMING SOON
Real-time analytics and algorithms

See Centrella® Smart+ Bed in action at Centrellabed.com
Hillrom believes the complete Med-Surg environment helps accelerate patient recovery by contributing to patient safety, patient satisfaction and managing costs in a healthcare facility.

ADVANCING CONNECTED CARE THROUGH OUR MED-SURG SOLUTIONS.

Smart Beds & Surfaces
Safe Patient Handling & Mobility
Patient Monitoring
Care Communications
SmartCare™ Services

Explore the Med-Surg Solution on hillrom.com
Appendix
# Centrella® Smart+ Bed

## STANDARD FEATURES AND OPTIONS

Value driven and upgradeable Centrella® Smart+ Bed solution offerings.

### STANDARD FEATURES

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<th>Feature</th>
<th>Description</th>
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<td>Enhanced 3-Mode Bed Exit</td>
<td>Graphical Caregiver Interface (GCI) Touchscreen</td>
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<tr>
<td>Motion Activated Nightlight</td>
<td>One-button chair</td>
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<td>One-button Patient Stand Assist</td>
<td>Scale (KG/LBS)</td>
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<tr>
<td>Advanced SlideGuard® Technology</td>
<td>Battery Back-up</td>
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<tr>
<td>Foley Position Limit</td>
<td>Digital Angle Indicator</td>
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<tr>
<td>Trendelenburg/Reverse Trendelenburg</td>
<td>Four Corner Brake and Steer</td>
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<tr>
<td>Dampen Emergency CPR</td>
<td>Line and Cord Management</td>
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<td>Device Storage Area</td>
<td>Four IV Pole Sockets</td>
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<tr>
<td>Integrated Urinal Holders</td>
<td>Integrated Restraint Holders</td>
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<tr>
<td>FlexAfoot™ Powered Bed Extension</td>
<td>Drainage Bag Holder</td>
</tr>
<tr>
<td>WiFi Module</td>
<td>Scalability</td>
</tr>
</tbody>
</table>

### PACKAGE 255

- Advanced Patient Pendant
- USB Charging
- Verbal Safety Prompts
- Patient Safety Apps: Contact-Free, Continuous Monitoring Capable

### PACKAGE 355

- Includes Package 255
- Centrella® max Powered Air Surface
- SafeView®+ System
- IllumiGuide™ Siderail Handgrip
- Second Graphical Caregiver Interface (GCI) Touchscreen

### A LA CARTE OPTIONS

<table>
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<tr>
<td>Centrella® core Surface</td>
<td>Second Advanced Patient Pendant</td>
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<tr>
<td>Centrella® pro Surface</td>
<td>Active Nurse Call Button</td>
</tr>
<tr>
<td>Centrella® max Powered Air Surface</td>
<td>Universal TV and Lighting Controls</td>
</tr>
<tr>
<td>SafeView®+ System</td>
<td>Second Graphical Caregiver Interface (GCI) Touchscreen</td>
</tr>
<tr>
<td>IllumiGuide™ Siderail Handgrip</td>
<td>Accessory Outlet</td>
</tr>
</tbody>
</table>
| 5th Wheel Steering                          | Patient Safety Apps:  
- NaviCare® Patient Safety  
- Contact-Free, Continuous Monitoring  
- WatchCare™ Incontinence Detection System |
| IntelliDrive® Powered Transport             | Comfort Edition 40" Width                        |
| Comfort Edition 40" Width                   | Obstacle Detection® System                       |
Universal Fall Prevention

- SafeView®+ System
- Enhanced 3-mode bed exit
- IllumiGuide™ Siderail Handgrip
- Motion-activated nightlight
- Verbal safety prompts
Universal Fall Prevention

- **SAFEVIEW®+ SYSTEM**

- Enhanced 3-mode bed exit

- IllumiGuide™ Siderail Handgrip

- Motion-activated nightlight

- Verbal safety prompts

Helps caregivers monitor patient safety at-a-glance with easy-to-read visual projections.
Universal Fall Prevention

- SafeView®+ System
- **ENHANCED 3-MODE BED EXIT**
  - IllumiGuide™ Siderail Handgrip
  - Motion-activated nightlight
  - Verbal safety prompts

Includes silence, auto reset, and visual/audible safety prompts.
Universal Fall Prevention

- SafeView®+ System
  Enhances visibility to safely guide patients back to bed.

- Enhanced 3-mode bed exit

- ILLUMIGUIDE™ SIDERRAIL HANDGRIP

- Motion-activated nightlight

- Verbal safety prompts
Universal Fall Prevention

- SafeView®+ System
- Enhanced 3-mode bed exit
- IllumiGuide™ Siderail Handgrip
- MOTION-ACTIVATED NIGHTLIGHT
- Verbal safety prompts

Illuminates the path to guide patients to and from the bed.
Universal Fall Prevention

- SafeView®+ System
- Enhanced 3-mode bed exit
- IllumiGuide™ Siderail Handgrip
- Motion-activated nightlight
- VERBAL SAFETY PROMPTS
Therapeutic Surfaces Overview

Centrella® max Surface

Centrella® pro Surface

Centrella® core Surface
Centrella® max Surface

ADVANCED TECHNOLOGY DELIVERING SUPERIOR PRESSURE REDISTRIBUTION AND MICROCLIMATE MANAGEMENT

Focused Advanced Microclimate® Technology
- Removes up to 4X more heat and 7X more moisture.⁹

Enhanced Turn Assist
- More effective turn in 77% less time.¹¹

Weight-based Pressure Redistribution
- Up to 13% less peak sacral pressure.⁹
Centrella® pro Surface

TARGETED AND CUSTOMIZED NON-POWERED PRESSURE REDISTRIBUTION FOR OPTIMAL PATIENT SUPPORT AND COMFORT

**Targeted Pressure Redistribution**
- Up to 21% less peak sacral pressure.\(^9\)

**Best-in-class Comfort**
- Rated 5X more comfortable.\(^{10}\)
Centrella® core Surface

NON-POWERED PRESSURE REDISTRIBUTION DESIGNED TO ENHANCE PATIENT COMFORT

Multi-layer Foam Construction
– Up to 11% less peak sacral pressure

THERAPEUTIC SURFACES OVERVIEW
WatchCare™ Incontinence Management System

MONITOR + DETECT + INFORM

OPTIMIZED PATIENT SAFETY – INCONTINENCE MANAGEMENT
Graphical Caregiver Interface (GCI)® Touchscreen

THOUGHTFULLY DESIGNED FOR EASE-OF-USE AND EFFICIENCY

- Home
- 3-mode Bed Exit Alert Setting
- Contact-Free, Continuous Monitoring
- Surface Menu
- Scale Functions/Settings
- Help Menu
Graphical Caregiver Interface (GCI)® Touchscreen

THOUGHTFULLY DESIGNED FOR EASE-OF-USE AND EFFICIENCY

- Home
- 3-mode Bed Exit Alert Setting
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Graphical Caregiver Interface (GCI)® Touchscreen

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Graphical Caregiver Interface (GCI)® Touchscreen

THOUGHTFULLY DESIGNED FOR EASE-OF-USE AND EFFICIENCY
Connectivity Solution Overview

**BASE BED CONNECTIVITY***
- **Real-Time Dashboard for Bed Data** (Status Board)
- **Bed Data into EMR** (Outbound EMR Integration)
- **Reporting on Bed State** (Enterprise Reporting)

**NAVICARE® PATIENT SAFETY**
- **Alarm Management via Caregiver Presence**
  (Real-Time Staff Locating)
- **Bed Safety Alerts to Wireless Phones**
  (Wireless Phone & Staff Assignment Integrations)
- **Automatic Arming of Bed Exit Alarm**
  (NaviCare® Patient Safety)

**NAVICARE® PATIENT SAFETY + REAL-TIME STAFF LOCATING**

*Wired or wireless*
References


7. 2014 AHA Data.


15. Phipps L, Gray M, Call E. Single Exposure to Clinically Relevant Levels of Moisture Contained by an Incontinence Pad Compromises Skin Health.


