

# July 23 RoundUp - Hip Exoskeletons, the Deadliest Room in the House & More

UpRight Science Weekly News RoundUp · July 23, 2026

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## New Research & Data

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### Dynamic stability is tied to gait assistance when walking with a hip exoskeleton

Nature Scientific Reports · July 19, 2026

A new study finds hip exoskeletons improve dynamic gait stability compared with traditional assistive devices, suggesting wearable robotics could meaningfully reduce fall risk during walking.

**UpRight POV:** We like to see this kind of biomechanical signal and are hopeful that the team can turn “improved stability” from a one-time lab finding into consistent, measurable improvement.

### Factors Affecting Fall Prevention for Older Adults With Dementia, Systematic Review

Bioengineer.org · July 19, 2026

A new systematic review maps which patient, caregiver, and environmental factors most influence whether fall-prevention programs succeed for people with dementia.

**UpRight POV:** Cognitive status materially changes what “at risk” looks like—reinforcing why a single static risk score isn’t enough, and why continuous, individualized measurement matters.

### Hip Fractures: A Review

JAMA Network · July 17, 2026

This JAMA review of hip fracture care discusses the World Falls Guidelines’ multidimensional fall-risk assessment tool as a standard step before fracture-prevention treatment begins.

**UpRight POV:** Validates the clinical push toward standardized, multidimensional fall-risk assessment.

### Productivity losses from non-fatal traumatic brain injuries in the United States

BMJ Injury Prevention · July 20, 2026

A new study estimates the annual US economic burden of non-fatal TBI—including work absence, presenteeism, and household impact—using 2023 national survey data.

**UpRight POV:** Falls are a leading cause of TBI across age groups; this kind of downstream cost data strengthens the economic case for earlier, measurable balance intervention.

## Maintaining Your Balance: Health Tips & News

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### Here’s what an expert on accidental falls does every day to prevent them

The Washington Post · July 22, 2026

A Washington Post aging researcher outlines daily, evidence-based habits for preventing falls, from footwear choices to strength routines.

**UpRight POV:** A great example of expert practice which our measurement could help validate and personalize. We turn “what one researcher does” into “what your own data says you need.”

## Quickest Fall Prevention Lesson For Seniors

YouTube · July 21, 2026

A short-form video walks through basic foot and base-of-support fundamentals as a starting point for fall prevention in seniors.

**UpRight POV:** Keep going with these videos, Melissa! We love to see this kind of helpful, instructional videos for seniors about fall prevention.

## Preventing falls, preserving independence: An EMS success story

EMS1 · July 18, 2026

EMS providers describe how proactive fall-prevention outreach in the field has helped older residents avoid repeat 911 calls and hospitalizations.

**UpRight POV:** A concrete example of prevention paying off before an injury occurs—precisely the earlier-intervention window UpRight’s continuous balance measurement is designed to open.

## Also In the News

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### It’s the Deadliest Room in the House Especially for Seniors

Wall Street Journal Q&A; · July 22, 2026

Architect Lloyd Alter argues that most fatal falls among older adults happen at home because bathrooms are badly designed—even though cheap fixes exist and go ignored in favor of aesthetics.

**UpRight POV:** Alter’s point that “we don’t talk about falls as something we can fix” is exactly the gap we aim to close at UpRight.

### Summer Scrapes and Autumn Concussions: Pediatric Head Injuries Show Distinct Seasonal Trends

Epic Research · July 17, 2026

An analysis of 58 million pediatric patients found concussion rates peak in October while superficial head injuries peak in summer among the youngest children.

**UpRight POV:** Balance by UpRight is available through the ImPACT platform for student athletes. ImPACT is the leading concussion management software.

### CMS proposes ban on Medicare remote patient monitoring vendors

STAT News · July 16, 2026

CMS’ proposed rule would bar third-party vendors from delivering remote patient monitoring on physicians’ behalf, affecting a program that paid vendors over \$500 million in 2024.

**UpRight POV:** Our Chief Medical Officer, Dr. Sanjeev Sharma, put it best when he commented, “Centers for Medicare and Medicaid (CMS) is finally recognizing that monitoring of home based patients post acute event/discharge from hospital is likely a better utilization of funds than simply paying for remote monitoring of stable chronic disease. This shift should enable broader healthcare professionals, such as Physical and Occupational Therapists, Nurse Practitioners thus likely leading to better patient outcomes.”

## **Best AI and Tech Tools for Dementia Care: 2026 Guide**

*U.S. News & World Report · July 18, 2026*

The guide recommends prioritizing dementia-care technology by caregiving challenges, including fall prevention, medication management, and wandering.

**UpRight POV:** We are happy to see a nuanced view of incorporating technology into dementia care. Indeed there is no one-size-fits-all, and there are tools like UpRight Science that offer clinicians FDA-cleared, objective monitoring systems.