



# Falls and Frailty bulletin

## August 2025

**The aim of this current awareness bulletin is to provide a digest of recent articles on Falls and Frailty**

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### Articles

**Chronic pain as a mediator in the falls-frailty association: evidence from middle-aged and older ethnic minorities in Yunnan China**

Wem X et al

Journal of Frailty & Aging 14 (2025) 100050

**Association of multidimensional frailty and dyspnea with fall risk in older adults**

Ghorhanzadeh M et al

BMC Geriatrics 25 (2025) 442

**Alcohol use and its associations with frailty, fractures and falls among older adults with HIV**

Satre D et al

Alcohol Research Current Reviews 45 (1) 08

**The relationship between glaucoma and an electronic frailty index with the cumulative incidence of healthcare encounters for falls and fractures in older adults**

Duy W et al

Journal of Frailty & Aging 14 (2025) 100051

**Falls, sleep disorders and cognitive frailty in hospitalized older adults with hypertension: a cross-sectional study**

Li X et al

Clinical Interventions in Aging 20 (2025) 859-872

**Syncope Is associated with multidimensional frailty in older adults**

Curcio F et al

BMC Geriatrics 25 (2025) 655



**Acute care for elders risk score: a practical machine learning-based tool for screening high-risk older inpatients**

Sunghwan J et al

JAMDA (2025) 105818

**Advancing fall risk prediction in older adults with cognitive frailty: a machine learning approach using 2-year clinical data**

Park C et al

PLoS One 20 (8) e0330672

**Evaluation of frailty and fall risk using acceleration in a low-physical-strain five times sit-to-stand test**

Nunokawa T et al

Journal of Robotics and Mechatronics 37 (4) 874-882

**Low relative sit-to-stand power is associated with history of falls and fractures prospective hospitalization and all-cause mortality in older adults from the Toledo study for health aging**

Garcia-Aguirre M et al

Journal of Sport and Health Science (2025) 101080

**Evaluation of exergames intervention on the functional abilities of 65+ older adult with frailty and pre-frailty syndrome**

Bujnowska\_Fedak M et al

Research Square preprint August 2025

**Personalised prevention of falls in persons with dementia: a registry-based study**

Farup P et al

Geriatrics 10 (2025) 106

**Gaming against frailty: effects of virtual reality-based training on postural control, mobility and fear of falling among frail older adults**

Alhasan H et al

Journal of Clinical Medicine 14 (2025) 5531

**Mixed reality-based physical therapy in older adults with sarcopenia: preliminary randomized controlled trial**

An Y et al

JMIR Serious Games 13 (2025) e76357