

IHI Call Days | IHI Call 9

VITALITY - Integrating the healthcare system for healthy ageing



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Link to the IHI brokerage platform:

- [IHI Call Days - Call 9](#) (proposal)
- [IHI Call Days - Call 9](#) (profile)

Challenges and objectives

- **What problem(s) are you trying to solve?**

VITALITY addresses three interconnected health issues prevalent in older adults: chronic pain, fall risk, and social isolation.

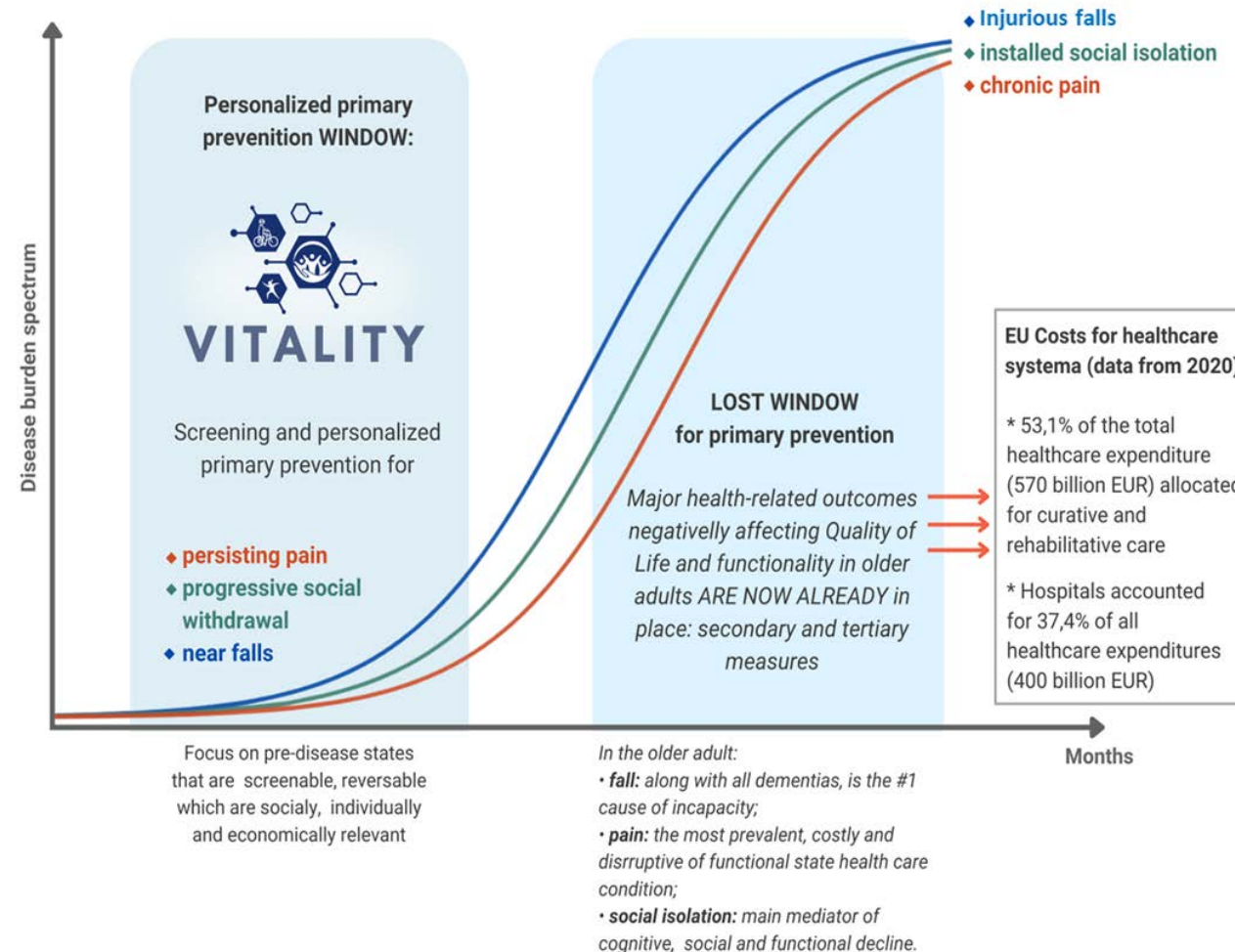
- **Which IHI specific objective(s) are you addressing?**

SO2: integrate fragmented health research and innovation efforts bringing together health industry sectors and other stakeholders, focussing on unmet public health needs, to enable the development of tools, data, platforms, technologies and processes for improved prediction, prevention, interception, diagnosis, treatment and management of diseases, meeting the needs of end-users

- **Which unmet public health need are you addressing?**

Falls, pain and social isolation are conditions often unaddressed in a coordinated way, despite their high prevalence and severe consequences in older adults.

Approach to solve the problem



Is your project suitable for IHI?

- 1. Industry Contribution:** Industry partners provide cutting-edge AI, machine learning, and sensor technology for personalized care, ensuring scalable and reliable systems.
- 2. Need for Different Health Industry Sectors:** Collaboration across digital health, pharmaceuticals, and AI sectors ensures a holistic approach to addressing chronic pain, falls, and social isolation.
- 3. Collaboration Between Private and Public Partners:** Private partners drive innovation and funding, while public entities ensure compliance and engagement, promoting transparency and trust.

Outcomes and Impact

- What do you expect out of your proposal in terms of concrete results/outcomes and impact?

VITALITY will deliver a scalable, AI-driven, person-centered platform to improve older adult health outcomes and reduce healthcare costs

- How do you envisage your proposal to ensure translation from research to innovative solutions that can be integrated/implemented into the healthcare ecosystem.

VITALITY ensures translation from research to innovative solutions by employing **implementation science methods** and collaborating with **healthcare providers and industry stakeholders** to facilitate integration into diverse healthcare settings.

- How does your project proposal contribute to strengthening the competitiveness of the Union's health industry?

VITALITY enhances the EU health industry's competitiveness through **innovation, cross-sector collaboration, scalability, cost-efficiency, gender equity, and international cooperation**.

- How does your project proposal contribute to the expected benefits for patients?

VITALITY improves patient outcomes by providing **personalized, AI-driven care for chronic pain, falls, and social isolation in older adults**

Expertise and resources

- We have:
 - Health Technology and AI/ML Development
 - Implementation Science
 - Health Policy and Regulatory Compliance
 - Social Sciences and Humanities
 - Public Health and Cost-Benefit Analysis
- We are looking for:
 - Human-Computer Interaction and Digital Literacy
 - Gerontology and Geriatric Healthcare
 - Software Engineering and Full-Stack Development
 - Cybersecurity