

CANOMAD Observatory

A patient-led engineering contribution to independent living

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What CANOMAD can contribute to STAYHLTH-01

A focused, small-scale contribution — not consortium coordination

Co-design solutions with a person living with severe disability

Test practical feasibility in an operational home living lab

Document autonomy, communication and informal caregiver workload

Help disseminate findings through patient organisations and relevant networks.



Living independently with severe disability

THE CHALLENGE

Severe motor disability, wheelchair use, respiratory support and daily assistance — alongside continued professional and intellectual activity.

THE RESEARCH QUESTION

How can assistive technology, home-based care and co-designed systems preserve choice, participation and autonomy?

THE LONGITUDINAL PERSPECTIVE

26 years of clinical history, including hospital records, CT/MRI and laboratory tests, provide context for changing functional needs. Insights intended to inform support for other people with severe motor disability.



An operational home living lab

REAL-WORLD FEASIBILITY ENVIRONMENT

Wearables • home ventilation data • environmental sensors • home automation

OBSERVATIONS

Physiological measurements, functional changes, communication, home conditions and care routines.

DATA STATUS

Single-patient longitudinal observational dataset, feasibility stage; not clinically validated. Data quality, provenance and temporal alignment are ongoing priorities.

ENGINEERING ROLE

Patient-led system design, integration and iterative testing in daily use.



Seeking academic and clinical consortium partners

TARGET TOPIC

HORIZON-HLTH-2027-01-STAYHLTH-01 — independent living and inclusion of people with disabilities

WE SEEK

An established coordinator and academic/clinical partners for study design, evaluation and validation.

OUR ROLE

A defined, modest patient-led co-design and home-feasibility contribution.

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Written communication preferred (b2match messages or e-mail).