

Partner Search Profile

1. Target Horizon Europe Call / Topic

HORIZON-HLTH-2027-01-CARE-02 (Cluster 1, Health).

Personalised approaches to reduce adverse drug reactions in people taking multiple medicines.

Type of action: Research and Innovation Action (RIA).

2. Research / Cooperation Idea

We plan to reduce adverse drug reactions (ADRs) in people with mental disorders who take three or more medicines. This includes people with schizophrenia and bipolar disorder, and the many outpatients with anxiety and depressive disorders who also take medicines for physical conditions (for example hair-loss, diabetes and stomach medicines). We will combine pharmacogenetic and drug-level information with health records to build a risk prediction tool and a clinical decision support tool. We will study drug-drug interactions, prescribing cascades and safe deprescribing, with a focus on older patients and on sex differences. We will also assess cost-effectiveness and develop interprofessional guidance and education for clinicians, pharmacists and nurses.

3. Expertise Offered

- Access to patient cohorts in Korea: inpatients and outpatients with severe mental disorders and with anxiety and depressive disorders, from a university hospital (about 800 beds), two psychiatric hospitals (more than 600 beds each) and a community mental health and welfare centre.
- Psychiatric nursing, clinical psychiatry and neurology.
- Big-data analysis (nursing researcher) and drug development for neurodegenerative diseases (chemistry).
- Interprofessional education and training, with a focus on nursing practice.

4. Expertise Sought

- Clinical pharmacology, pharmacogenetics and therapeutic drug monitoring.
- Clinical psychiatry and psychopharmacology, with experience in polypharmacy.
- Internal medicine, geriatrics or primary care, with experience in polypharmacy.
- Health records, AI or clinical decision support.
- Health economics and regulatory science.
- A clinical site in Europe able to recruit patients (psychiatric or general hospital, outpatient clinic or primary care).
- Expected role: work package leader or contributor, depending on the partner's strength.

5. Preferred Country / Region

Open to collaboration with researchers and institutions from Horizon Europe Associated Countries, including Canada, Australia, New Zealand and Japan, as well as EU Member States.

6. Keywords

adverse drug reactions; polypharmacy; mental disorders; anxiety disorders; pharmacogenetics; therapeutic drug monitoring; drug-drug interactions; prescribing cascade; deprescribing; older adults; clinical decision support; cost-effectiveness; interprofessional education; psychiatric nursing