



## Identificación del proyecto

CONCEPT-STROKE: Effectiveness and efficiency of acute ischemic stroke care pathways in five Spanish regions (EXPT.E. PI19/00154)

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## Descripción del proyecto

CONCEPT-STROKE is part of CONCEPT, a coordinated research initiative including five projects under the umbrella of REDISSEC, the Spanish Research Network on Health Services Research and Chronic Conditions ([www.redissec.com](http://www.redissec.com)). CONCEPT projects seek to analyse the effectiveness and efficiency of the care provided to patients with diabetes, atrial fibrillation, breast cancer and ischaemic stroke in eight Spanish healthcare systems. Aims: In Stroke care, we aim to show the relevance of care pathways on the health outcomes and efficiency of Stroke care. Methods: Observational and retrospective, CONCEPT-STROKE builds on a two-stage design: a cross-sectional data mining design followed by a quasi-experimental design comparing interventions on acute ischaemic stroke. Main endpoints: In the first stage, the pathway of care as such, as it happens in real life and the propensity for a patient to follow a specific path; in the second stage, patients' survival at 30 days and 6 months after the admission to an emergency room. Analyses: Using real world data from the health care services of Aragon, Basque Country, Catalonia, Navarre and Valencia: a) process mining techniques will allow to discover and compare actual care paths with the theoretical pathway and with those present in the five regions; b) survival analysis will provide the prediction of health outcomes within each path; c) single and hierarchical generalized additive modelling will yield the comparative effectiveness of the interventions within the paths; and, d) an economic evaluation will result in a measure of economic impact and efficiency. CONCEPT-STROKE, as coordinating project, will yield and provide the self-contained analytical pipeline for the rest of CONCEPT projects.

## Financiación

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