

# Assessing the effectiveness of healthcare interventions with routinely collected data

<https://www.neurodegenerationresearch.eu/survey/assessing-the-effectiveness-of-healthcare-interventions-with-routinely-collected-data-2/>

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### **Funder**

Academy of Finland

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### **Country**

Finland

## **Title of project/programme**

Assessing the effectiveness of healthcare interventions with routinely collected data

## **Source of funding information**

Academy of Finland

## **Total sum awarded (Euro)**

€ 434,485

## **Start date of award**

01/09/16

## **Total duration of award in years**

5.0

## **The project/programme is most relevant to:**

Neurodegenerative disease in general

## **Keywords**

effectiveness | healthcare | registers | method development | aging | Alzheimer's disease | coronary artery disease | adverse events | quality of life | revascularisations | operations | medication | population-based | data mining | big data | cost-effectiveness

## **Research Abstract**

Interventions often seem promising in randomised controlled trials but their effectiveness is less optimistic in practice. My group assesses the use of routinely collected data from national registers and hospital databases in effectiveness research. We will set up a platform for using these data by studying the 1) risk benefit ratio of antipsychotics and antiepileptics in people with Alzheimer's disease (AD) 2) application of data mining to adverse events research 3) comparison of revascularisation procedures in coronary artery disease (CAD). Register-based nationwide MEDALZ study includes all community-dwellers with clinically verified AD diagnosis in 2005-2012. The CAD study includes all CAD patients who underwent elective revascularisation procedure at the Kuopio University Hospital in 2000-2013. Insights gained on the effectiveness of these interventions can be used for better targeting of healthcare resources, reduction of adverse effects and promoting rational decision-making.

**Types:**

Fellowships

**Member States:**

Finland

**Diseases:**

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