

# Heterogeneity in trajectories of the natural course of dementia in incident dementia cases: the influence of co-morbidity

<https://neurodegenerationresearch.eu/survey/title-of-piheterogeneity-in-trajectories-of-the-natural-course-of-dementia-in-incident-dementia-cases-the-influence-of-co-morbidity/>

## Title of project or programme

Title of PI Heterogeneity in trajectories of the natural course of dementia in incident dementia cases: the influence of co-morbidity

## Principal Investigators of project/programme grant

| Title           | Forname      | Surname  | Institution | Country     |
|-----------------|--------------|--|-------------|-------------|
| prof.dr. Marcel | Olde Rikkert | Alzheimer Centrum Nijmegen                       |             | Netherlands |
| prof.dr. Frans  | Verhey       | Alzheimer Centrum Limburg                        |             | Netherlands |
| prof.dr. Philip | Scheltens    | Alzheimercentrum VUmc                            |             | Netherlands |
| dr. Rene        | Melis        | Radboud University Nijmegen / Geriatric Medicine |             | Netherlands |
| prof.dr. Roy    | Kessels      | Radboud University Nijmegen / Donders Institute  |             | Netherlands |
| dr. Bianca      | Schalk       | Radboud University Nijmegen / Donders Institute  |             | Netherlands |

## Address of institution of lead PI

Institution Radboud University Nijmegen Medical Centre / Alzheimer Centrum Nijmegen  
Street Address Reinier Postlaan 4  
City Nijmegen  
Postcode 6525 GC

## Country

- Netherlands

## Source of funding information

Dutch Alzheimer's Association (Azheimer Nederland)

## Total sum awarded (Euro)

750000

## Start date of award

01-10-2009

## Total duration of award in months

60

## The project/programme is most relevant to

- Alzheimer's disease and other dementias

## **Keywords**

dementia, natural course of disease, co-morbidity

## **Research abstract in English**

To study the natural course of dementia and its disease subtypes in a population of newly diagnosed dementia cases, and the influence of co-morbidity on the natural course of the disease. This information will be used to develop prediction rules for the outcome of dementia and the transitional stages in dementia (e.g. institutionalisation). Objectives are: 1) To investigate heterogeneity in trajectories of disease progression, survival, institutionalization, and successful outcome in incident dementia cases, with specific attention given to the influence of the number of chronic co-morbidities and their severity, and distinct well accepted summary scores of comorbidity; 2) To investigate and compare trajectories of disease progression in dementia syndrome and its disease subtypes, right before and after institutionalization and before death for incident dementia cases; 3) To develop prediction rules for prediction of survival, institutionalization, and successful trajectories of the course of dementia from information available at baseline for different time frames since disease onset.

## **Lay Summary**

**In which category does this research fall?**

- Basic research