

# Cohort – Seniors Quid

<https://neurodegenerationresearch.eu/survey/cohort-seniors-quid/>

## Title of the cohort

Cohort – Seniors Quid

## Acronym for cohort

PAQUID

## Name of Principal Investigator

Title            Professor

First name

Last name DARTIGUES

## Address of institution where award is held

Institution

Street Address

City                Bordeaux

Postcode        33076

## Country

- France

## Website

<http://www.isped.u-bordeaux2.fr/>

## Contact email

jean-francois.dartigues@isped.u-bordeaux2.fr

## Funding source

CNSA BEAUFOUR IPSEN, NOVARTIS PHARMA

## 1. The cohort includes, or expects to include, incidence of the following conditions

- Alzheimer's disease and other dementias
- Parkinson's disease

## When studies on the above condition(s) are expected to become possible

- Already possible

## 2a. Stated aim of the cohort

Studying brain and functional aging after 65 years, distinguish the normal and pathological conditions,

and identify people at high risk of physical or mental deterioration in which preventive action could be possible

## **2b. Features distinguishing this cohort from other population cohorts**

Representative cohort of the French population aged 65 and over

### **3a. i) Number of publications that involve use of cohort to date**

151

### **3a. ii) Up to three examples of studies to date (PI, Institution, Title of Study)**

Risk factor for dementia and Alzheimer's disease (social support, reactivation of herpes viruses, leisure)

Natural history of Alzheimer's disease

Risk factor for Parkinson's disease

## **3b. Publication list/link to where data or publications are accessible (if available)**

Alperovitch, A., P. Amouyel, et al. (2002). "[Epidemiological studies on aging in France: from the PAQUID study to the Three-City study]." *C R Biol* 325(6): 665-672.

Amieva, H., H. Jacqmin-Gadda, et al. (2005). "The 9 year cognitive decline before dementia of the Alzheimer type: a prospective population-based study." *Brain* 128(Pt 5): 1093-1101.

Amieva, H., M. Le Goff, et al. (2008). "Prodromal Alzheimer's disease: successive emergence of the clinical symptoms." *Ann Neurol* 64(5): 492-498.

Amieva, H., I. Rouch-Leroyer, et al. (2000). "Deterioration of controlled processes in the preclinical phase of dementia: a confirmatory analysis." *Dement Geriatr Cogn Disord* 11(1): 46-52.

Amieva, H., R. Stoykova, et al. (2010). "What aspects of social network are protective for dementia? Not the quantity but the quality of social interactions is protective up to 15 years later." *Psychosom Med* 72(9): 905-911.

Andersen, K., L. J. Launer, et al. (1999). "Gender differences in the incidence of AD and vascular dementia: The EURODEM Studies. EURODEM Incidence Research Group." *Neurology* 53(9): 1992-1997.

Antonucci, T. C., R. Fuhrer, et al. (1997). "Social relations and depressive symptomatology in a sample of community-dwelling French older adults." *Psychol Aging* 12(1): 189-195.

Antonucci, T. C., J. E. Lansford, et al. (2001). "Widowhood and illness: a comparison of social network characteristics in France, Germany, Japan, and the United States." *Psychol Aging* 16(4): 655-665.

Aublet-Cuvelier, B., P. Barberger-Gateau, et al. (1991). "[Adequacy of homemaker services in Gironde according to the PAQUID program]." *Rev Epidemiol Sante Publique* 39(2): 121-128.

Auriacombe, S., N. Lechevallier, et al. (2006). "A longitudinal study of quantitative and qualitative

features of category verbal fluency in incident Alzheimer's disease subjects: results from the PAQUID study." *Dement Geriatr Cogn Disord* 21(4): 260-266.

Baldi, I., P. Lebailly, et al. (2003). "Neurodegenerative diseases and exposure to pesticides in the elderly." *Am J Epidemiol* 157(5): 409-414.

Barberger-Gateau, P., A. Alioum, et al. (2004). "The contribution of dementia to the disablement process and modifying factors." *Dement Geriatr Cogn Disord* 18(3-4): 330-337.

Barberger-Gateau, P., A. Chaslerie, et al. (1992). "Health measures correlates in a French elderly community population: the PAQUID study." *J Gerontol* 47(2): S88-95.

Barberger-Gateau, P., D. Commenges, et al. (1992). "Instrumental activities of daily living as a screening tool for cognitive impairment and dementia in elderly community dwellers." *J Am Geriatr Soc* 40(11): 1129-1134.

Barberger-Gateau, P., J. F. Dartigues, et al. (1993). "Four Instrumental Activities of Daily Living Score as a predictor of one-year incident dementia." *Age Ageing* 22(6): 457-463.

Barberger-Gateau, P., C. Fabrigoule, et al. (2002). "The disablement process: a conceptual framework for dementia-associated disability." *Dement Geriatr Cogn Disord* 13(2): 60-66.

Barberger-Gateau, P., C. Fabrigoule, et al. (1999). "Functional impairment in instrumental activities of daily living: an early clinical sign of dementia?" *J Am Geriatr Soc* 47(4): 456-462.

Barberger-Gateau, P., C. Fabrigoule, et al. (1999). "Neuropsychological correlates of self-reported performance in instrumental activities of daily living and prediction of dementia." *J Gerontol B Psychol Sci Soc Sci* 54(5): P293-303.

Barberger-Gateau, P., L. Letenneur, et al. (2002). "Fish, meat, and risk of dementia: cohort study." *BMJ* 325(7370): 932-933.

Barberger-Gateau, P., C. Nejjari, et al. (1995). "Assessment of disability and handicap associated with dyspnoea in elderly subjects." *Disabil Rehabil* 17(2): 83-89.

Barberger-Gateau, P., C. Rainville, et al. (2000). "A hierarchical model of domains of disablement in the elderly: a longitudinal approach." *Disabil Rehabil* 22(7): 308-317.

Bergua, V., C. Fabrigoule, et al. (2006). "Preferences for routines in older people: associations with cognitive and psychological vulnerability." *Int J Geriatr Psychiatry* 21(10): 990-998.

Berr, C., J. F. Dartigues, et al. (1994). "Cognitive performance and three-year mortality in the PAQUID elderly study." *Rev Epidemiol Sante Publique* 42(4): 277-284.

Berr, C., S. Lafont, et al. (1996). "Relationships of dehydroepiandrosterone sulfate in the elderly with functional, psychological, and mental status, and short-term mortality: a French community-based study." *Proc Natl Acad Sci U S A* 93(23): 13410-13415.

Berr, C., A. Nicole, et al. (1993). "Selenium and oxygen-metabolizing enzymes in elderly community residents: a pilot epidemiological study." *J Am Geriatr Soc* 41(2): 143-148.

- Berraho, M., C. Nejari, et al. (2010). "Body mass index, disability, and 13-year mortality in older French adults." *J Aging Health* 22(1): 68-83.
- Bourdel-Marchasson, I., B. Dubroca, et al. (1998). "Five-year mortality in elderly French subjects from the PAQUID epidemiological survey: the burden of diabetes." *Diabet Med* 15(10): 830-835.
- Bourdel-Marchasson, I., B. Dubroca, et al. (2000). "Incidence and predictors of drug-treated diabetes in elderly French subjects. The PAQUID Epidemiological Survey." *Diabet Med* 17(9): 675-681.
- Bourdel-Marchasson, I., B. Dubroca, et al. (1997). "Prevalence of diabetes and effect on quality of life in older French living in the community: the PAQUID Epidemiological Survey." *J Am Geriatr Soc* 45(3): 295-301.
- Cadot, S., C. Canet, et al. (1991). "[First gerodontology inquiries: PAQUIDENT after one year]." *Chir Dent Fr* 61(555): 5-10.
- Carcaillon, L., K. Peres, et al. (2007). "Fast cognitive decline at the time of dementia diagnosis: a major prognostic factor for survival in the community." *Dement Geriatr Cogn Disord* 23(6): 439-445.
- Commenges, D., M. Gagnon, et al. (1992). "Improving screening for dementia in the elderly using, Mini-Mental State Examination subscores, Benton's Visual Retention Test, and Isaacs' Set Test." *Epidemiology* 3(2): 185-188.
- Commenges, D., M. Gagnon, et al. (1992). "Statistical description of the Mini-Mental State Examination for French elderly community residents. Paquid Study Group." *J Nerv Ment Dis* 180(1): 28-32.
- Commenges, D., P. Joly, et al. (2004). "Incidence and mortality of Alzheimer's disease or dementia using an illness-death model." *Stat Med* 23(2): 199-210.
- Commenges, D., L. Letenneur, et al. (1994). "Test of homogeneity of binary data with explanatory variables." *Biometrics* 50(3): 613-620.
- Commenges, D., L. Letenneur, et al. (1998). "Modelling age-specific risk: application to dementia." *Stat Med* 17(17): 1973-1988.
- Commenges, D., V. Scotet, et al. (2000). "Intake of flavonoids and risk of dementia." *Eur J Epidemiol* 16(4): 357-363.
- Dantan, E., P. Joly, et al. (2011). "Joint model with latent state for longitudinal and multistate data." *Biostatistics*.
- Dantzer, C., J. F. Tessier, et al. (2001). "Mortality of elderly subjects with self-reported asthma in a French cohort, 1991-1996." *Eur J Epidemiol* 17(1): 57-63.
- Dartigues, J. F., L. Carcaillon, et al. (2007). "Vasodilators and nootropics as predictors of dementia and mortality in the PAQUID cohort." *J Am Geriatr Soc* 55(3): 395-399.
- Dartigues, J. F., D. Commenges, et al. (1997). "Cognitive predictors of dementia in elderly community residents." *Neuroepidemiology* 16(1): 29-39.
- Dartigues, J. F., M. Gagnon, et al. (1992). "The Paquid epidemiological program on brain ageing." *Neuroepidemiology* 11 Suppl 1: 14-18.

Dartigues, J. F., M. Gagnon, et al. (1992). "Principal lifetime occupation and cognitive impairment in a French elderly cohort (Paquid)." *Am J Epidemiol* 135(9): 981-988.

Dartigues, J. F., M. Gagnon, et al. (1992). "Occupation during life and memory performance in nondemented French elderly community residents." *Neurology* 42(9): 1697-1701.

de Rijk, M. C., L. J. Launer, et al. (2000). "Prevalence of Parkinson's disease in Europe: A collaborative study of population-based cohorts. Neurologic Diseases in the Elderly Research Group." *Neurology* 54(11 Suppl 5): S21-23.

de Rijk, M. C., C. Tzourio, et al. (1997). "Prevalence of parkinsonism and Parkinson's disease in Europe: the EUROPARKINSON Collaborative Study. European Community Concerted Action on the Epidemiology of Parkinson's disease." *J Neurol Neurosurg Psychiatry* 62(1): 10-15.

Dealberto, M. J., M. Gagnon, et al. (1992). "[Influence of educational status on a screening test for dementia, the Mini-Mental State Examination]." *Rev Epidemiol Sante Publique* 40(2): 93-101.

### **3c. Information (i.e. research findings) expected to be gained from the population cohort**

#### **4a. Study criteria: age range of participants at recruitment**

Age in years from: 65

To ('until death' if applicable): until death

#### **4b. Study criteria: inclusion criteria**

Persons aged 65 and over living at home and enrolled as voters in the Dordogne or Gironde

#### **4c. Study criteria: exclusion criteria**

People not living at home

### **5. Size of the cohort (i.e. number of participants enrolled)**

- 1,000 – 5,000 participants

### **6a. Measures used to characterise participants**

age, sex, level of education, city of residence

### **6b. Additional measures for participants with a clinical disorder**

### **6c. Are there defined primary and secondary endpoints (e.g. defined health parameters)**

Dementia and dependency, mortality

### **7. Study design**

- Prospective cohort

### **8. Cases matched by**

- Age
- Sex

- Co-morbidities
- Cognitive function
- Physical ability

**9a. Does the study include a specialised subset of control participants**

- No

**9b. If yes, description of specialised subset of control participants**

**10a. i) Data collection start date**

01-01-1988

**10a. ii) Data collection end date**

01-01-2018

**10a iii) Data collection for this study is**

- Data collection ongoing
- Data analysis ongoing
- Closed to new patients

**10b. Plans to continue the cohort study beyond the current projected end date**

- No

**11. Data collected**

- Only through the study

**12. System in place to enable re-contact with patients for future studies**

- No

**13a. Format and availability of data stored in a database**

Yes/No % available

Data summarised in database	no
Database is web-based	no
Database on spreadsheet	no
Database is on paper	no
Other (specify)	no

**Language used:**

**13b. Format and availability of data held as individual records**

**Language used:**

**14a. Are data available to other groups**

No

**14b. Access policy/mechanisms for access if data are available to other groups**

**15. Data sharing policy specified as a condition of use**

- No policy exists

**16a. Are tissues/samples/DNA available to other groups**

No

**16b. i) Description of available tissues/samples/DNA**

**16b. ii) Form available tissues/samples/DNA are supplied in**

**16b. iii) Is the access policy/mechanism for obtaining samples the same as that for obtaining data**

**17. Is information on biological characteristics available to other groups**

- No