

The Survey of Health, Ageing and Retirement in Europe

Karen Andersen-Ranberg MD, PhD

Specialist consultant in Internal Medicine:Geriatrics
Associate Professor in Ageing Epidemiology
SHARE Country Team Leader (Denmark)

SHARE Health Area Coordinator

EGHI meeting - Luxembourg, 30. May 2013









Outline

- **Background**
 - Aims and Principles
- Design
 - How we harmonize
 - Longitudinality and SHARELIFE
- Organisation
 - Central/decentral/ERIC
 - ESFRI and the challenges of sustainability
- Information on Health
 - Interview: self-reported Health and use of Health Care
 - Objective Assessments, physical and biological biomarkers
- Results
 - **Users/publications**
 - Results on Health
 - Some policy applications



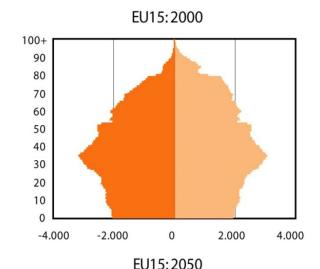


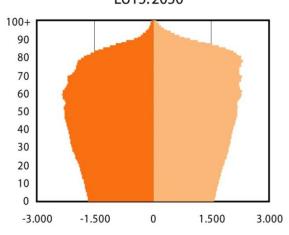




Background

- Population ageing in Europe is one of the challenge of the 21st century
- ▶ European Commission (2000): Communication to the Council and the European Parliament: finds "serious infrastructure gaps in understanding individual and population ageing" and calls "to examine the possibility of establishing, in cooperation with Member States, a European Longitudinal Ageing Survey" in order to foster European research on ageing
- 2002 SHARE established as project in FP5 Quality of Life Program, later in FP6 and FP7
- Support from DG ECFIN, DG EMPL and DG SANCO











Aim & principles

• Aim:

- Understand the ageing process in Europe...
 ...on the individual and the societal level
- Basic research and fact-based policy development
- Principle 1: Understand the interactions between health, labour force participation, and institutional conditions
- Principle 2: Use cross-national variation in policies, histories, cultures to understand causes and effects of welfare state interventions
- Principle 3: Longitudinal since ageing is a process in time, not a state ageing happens as time goes by





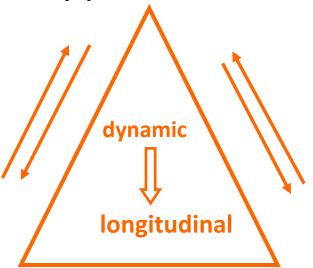


Principle 1

Context

Economic

Income security, personal wealth, education



Social

Living arrangements, partnership, family, social networks, social support



Physical and mental, health care, disability, morbidity, mortality









Principles 2 & 3



Wave 1 participation (2004):

11 countries: NL, DE, AT, DK, BE, FR, CH, SP, IT, GR, SE (+*UK*)

Waves 2 and 3 (2006 and 08):

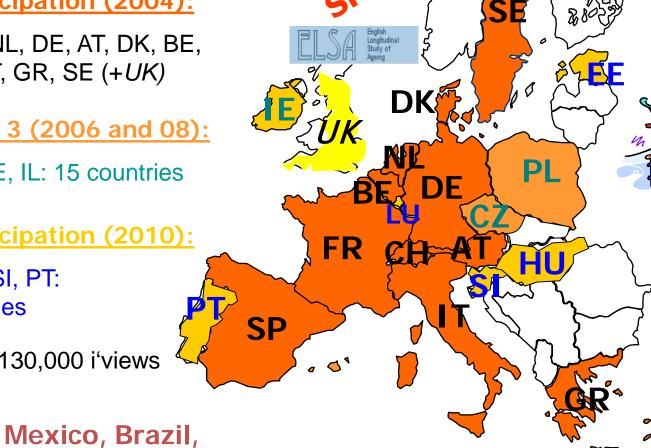
plus CZ, PL, IE, IL: 15 countries

Wave 4 participation (2010):

plus EE, HU, SI, PT: now 20 countries

62,000 resps, 130,000 i'views

Argentina





Korea

Japan

China

India









Outline

- Background
 - Aims and Principles
- Design
 - How we harmonize
 - Longitudinality and SHARELIFE
- Organisation
 - Central/decentral/ERIC
 - ESFRI and the challenges of sustainability
- Information on Health
 - Interview: self-reported Health and use of Health Care
 - Objective Assessments, physical and biological biomarkers
- Results
 - Users/publications
 - Results on Health
 - Some policy applications









Main design challenges

Distinguish methodological effects from genuine policy effects:

- Different languages
- Different institutions
- Different interpretations
- Different methods

Ex ante/ex post harmonization

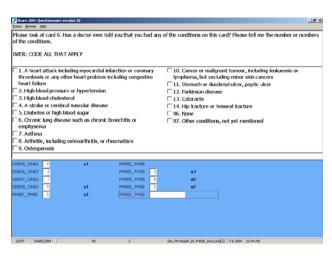




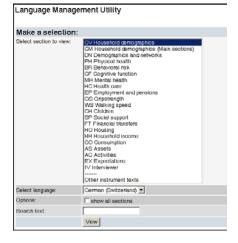


Different languages

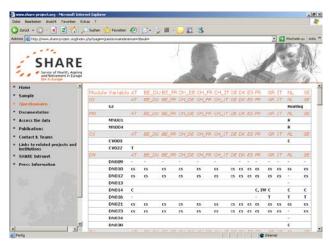
➤ Generic survey instrument to conduct face-to-face Computer Assisted Personal Interviews (CAPI)



> Internet based translation tool (LMU)



Online overview of country specifics



Faculty of Health Sciences









Different institutions

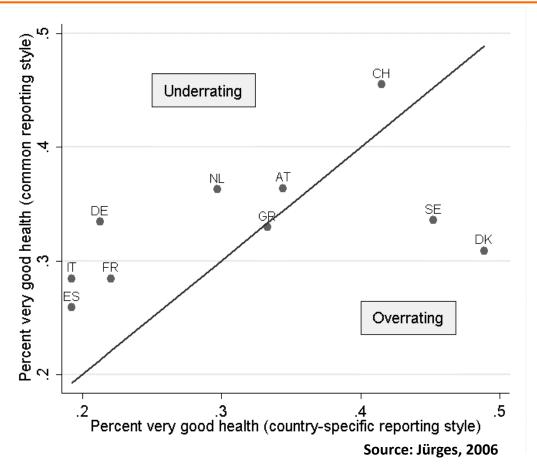
- Contextual database: institutional data on all areas of the questionnaire
- Varying not only over countries but also over time
- Example: Education Policies (Christelle Garrouste)
 - Collects education policies in Europe from 1830s
 - Lists major reform, both dates and content by pre-primary, primary, secondary, and tertiary school systems







Different interpretations

















objective measures of health help distinguishing actual differences in health from different response styles to extract genuine policy effects









Different methods

- Sampling: not really in our hands
- Fieldwork: very difficult to harmonize (delegation to private/public sector survey agencies)
- Ex-post harmonization: done centrally
 - E.g. gross-net-take home income
 - E.g. pension claims







Longitudinal: panel/life histories

- Conventional panel design
 - Takes time
 - Initial conditions (e.g. childhood health and SES) are important
- Asking retrospectively may not be perfect, but it is better than not knowing anything about the past
- Design challenges:
 - What do people remember easily?
 - How detailed can we be?
- Exploit previous cognitive research, use electronic implementation to help memory:
 - Life grid representation
 - Anchoring by using "landmark events"









Outline

- Background
 - Aims and Principles
- Design
 - How we harmonize
 - Longitudinality and SHARELIFE
- Organisation
 - ▶ Central/decentral/ERIC
 - ESFRI and the challenges of sustainability
- Information on Health
 - Interview: self-reported Health and use of Health Care
 - Objective Assessments, physical and biological biomarkers
- Results
 - Users/publications
 - Results on Health
 - Some policy applications

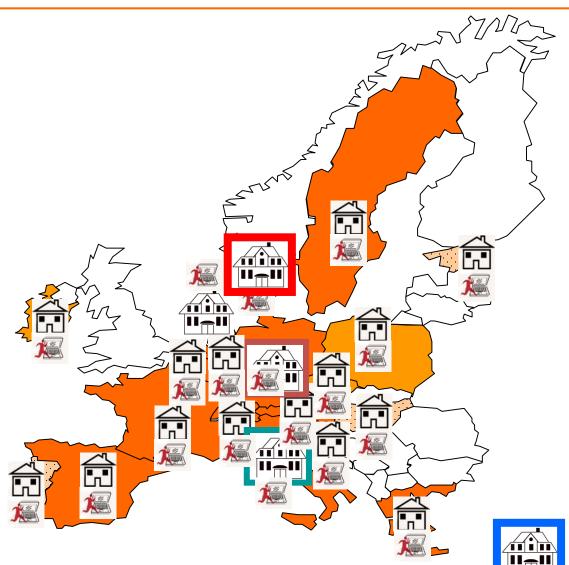








Organisational challenges





5 main nodes



20 country scientific partner institutions & 150+ scientists



20 independent survey agencies & about 2000 mostly free-lance interviewers

Synchronized schedule
Central data base management
Technical infrastructure
Many meetings & Internet







SHARE ERIC

- SHARE ERIC (Commission decision March 17, 2011)
- Participation
 - ▶ AT, BE, CZ, DE (coordination), IT, SI, NL, ES (current host), CH (observer)
 - DK, FR, PT intention to sign
 - All other countries still discussing
- What changed?
 - a new legal entity made for long term pan-European research infrastructures
 - a long term perspective (6 more panel waves up to 2024)
 - Streamlined procurement rules, VAT exemption
- However, still a rough road to have ERIC accepted as European instrument (ERIC data sets SHARE and ESS not members of the system of EU statistics)









Sustainability

Wave 5 funding during the debt crisis: Pretest & training done in all countries, but main field postponed to January:

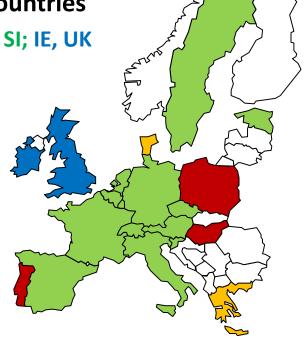
Funding for survey is still not secured in all countries

AT, BE, CH, CZ, DE, EE, ES, FR, IL, IT, LX, NL, SE, SI; IE, UK

▶ DK, GR

▶ HU, (PL), PT

Long-term mechanism to fund the core (= data for EU comparison & policy) of a distributed infrastructure in order to sustainably create EU added value











Outline

- Background
 - Aims and Principles
- Design
 - How we harmonize
 - Longitudinality and SHARELIFE
- Organisation
 - Central/decentral/ERIC
 - ESFRI and the challenges of sustainability
- Information on Health
 - Interview: self-reported Health and use of Health Care
 - Objective Assessments, physical and biological biomarkers
- Results
 - Users/publications
 - Results on Health
 - Some policy applications









Self-reported Health and Care

- General health
 - Self-perceived, activity limitations (GALI), mobility, disability
- **Morbidity**
 - Prevalent diseases
 - Incident cases
 - Use of medicine
- Behavioural factors
 - Smoking, alcohol, physical activity, nutrition
- Health care use
 - Home care
 - Hospital treatment (in-/outpatients)
 - Informal care (giving/receiving)
 - **Dentist**









Objective Health

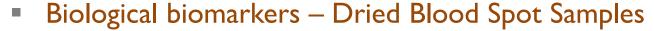
- Screening tests
 - depressive symptoms
 - cognitive impairment
- Physical biomarkers
 - Grip strength
 - Chair stand 5x
 - Lung function Peak flow
 - Blood pressure
 - Waist circumference











- Diabetes (HbA1c)
- Sarcopenia, and osteoporosis (Vitamin D)
- Cardiovascular disease (Cholesterol)
- Frailty and low-grade inflammation (C-reactive protein and cytokines)











Outline

- Background
 - Aims and Principles
- Design
 - How we harmonize
 - Longitudinality and SHARELIFE
- Organisation
 - Central/decentral/ERIC
 - ESFRI and the challenges of sustainability
- Information on Health
 - Interview: self-reported Health and use of Health Care
 - Objective Assessments, physical and biological biomarkers
- Results
 - Users/publications
 - Results on Health
 - Some policy applications



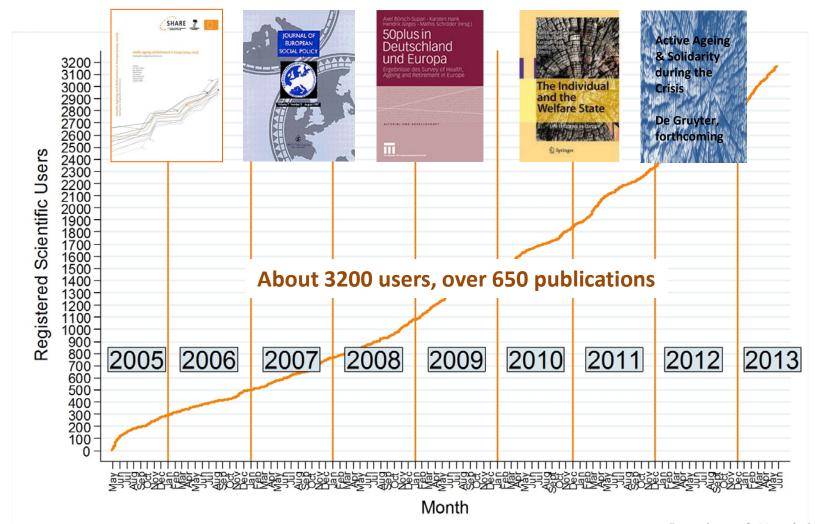






Data use and publications

Free data access for scientific use: www.share-project.org



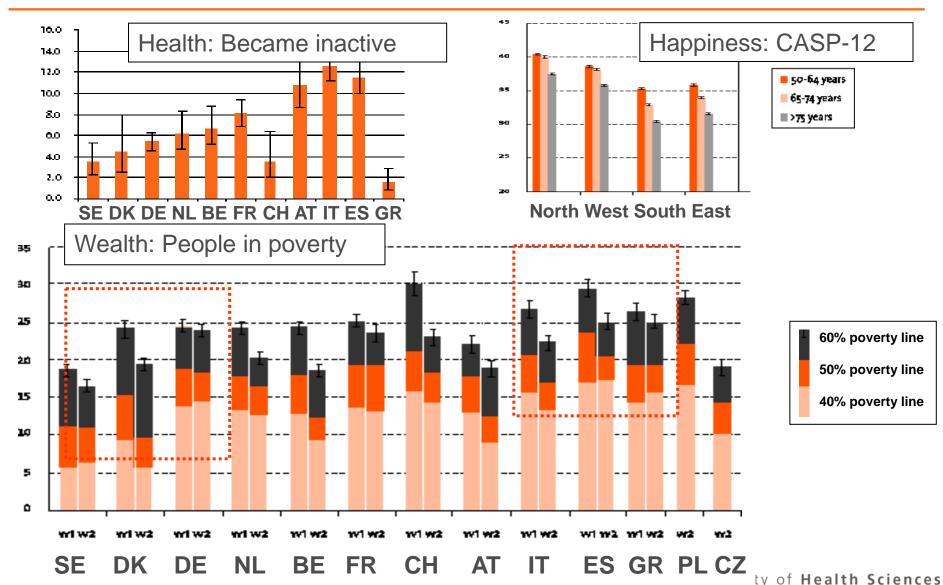








Northern Europeans are healthier, happier and wealthier but Southern Europeans live longer



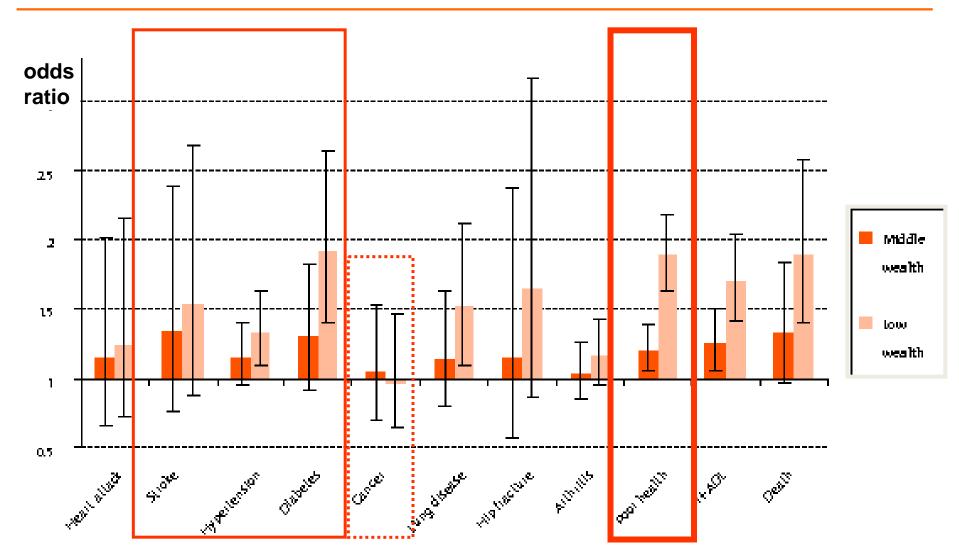








The socio-economic gradient of health



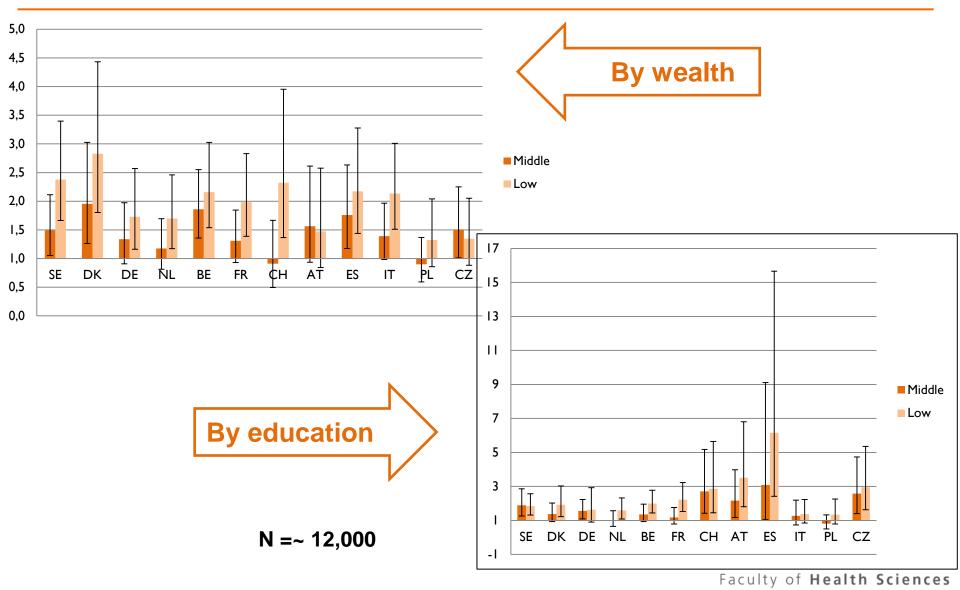








The socio-economic gradient of developing poor health by country w2 – w4





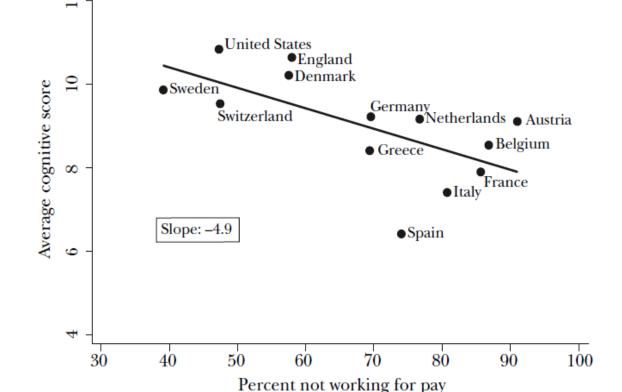






Mental retirement

Cognition by Percent Not Working for Pay, 60–64 Year-Old Men and Women, Weighted



Use pension policies as instruments to isolate causal direction







Cross-cutting policy results

- Guglielmo Weber: Parental status and Retirement income Importance of intergenerational linkages: Books in parental home increase early earnings. Effects persists onto later earnings.
- Mathis Schröder: Health and Employment
 Experience of redundancy reduces health at retirement. Unemployment benefits appear to reduce this effect.
- Agar Brugiavini: Work and Retirement I
 Gaps in employment history reduce retirement income. Maternity benefits first increases female labour force participation, thus retirement income, but U-shape pattern
- Johannes Siegrist/Morten Wahrendorf: Work and Retirement II
 Work quality improves health at retirement. Active labour market policies are associated with higher work quality and thus better health
- Nicolas Sirven: Health Care Utilisation in Europe
 Doctor density helps to improve preventive care, positive effects on health at retirement.

 Could reduce health disparities across Europe.
- Radim Bohacek/Michal Myck: Histories of War
 Strong effects of persecution on later-life health and income situation



The crisis

....there is still a lot more to happen, and to find out!

- e.g., on the long-term effects of the crisis and effectiveness of policy interventions (old age poverty, health, labor market participation,...)
- especially in countries with funding problems





