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THE COLLECTION OF BIOMEASURES IN CROSS-NATIONAL STUDIES

USING THE EXAMPLE OF DRIED BLOOD SPOTS IN SHARE

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- Survey of Health, Ageing and Retirement in Europe
- People aged 50 + (and their partners)
- Panel survey, waves every two years
- Socio-economic study
- Fifth wave data available
- 20 European countries + Israel
- Approx. 123.000 individuals
- Blood sample collection in sixth wave (2015)

Why?

- It's all about health...
- Objective measures
- Complementing self-report of health status
- Physiological pathways

Biomeasures



Large variety
of markers

Discussed example

Dried blood spots (DBSS) in SHARE

Sixth wave, 2015
12 countries



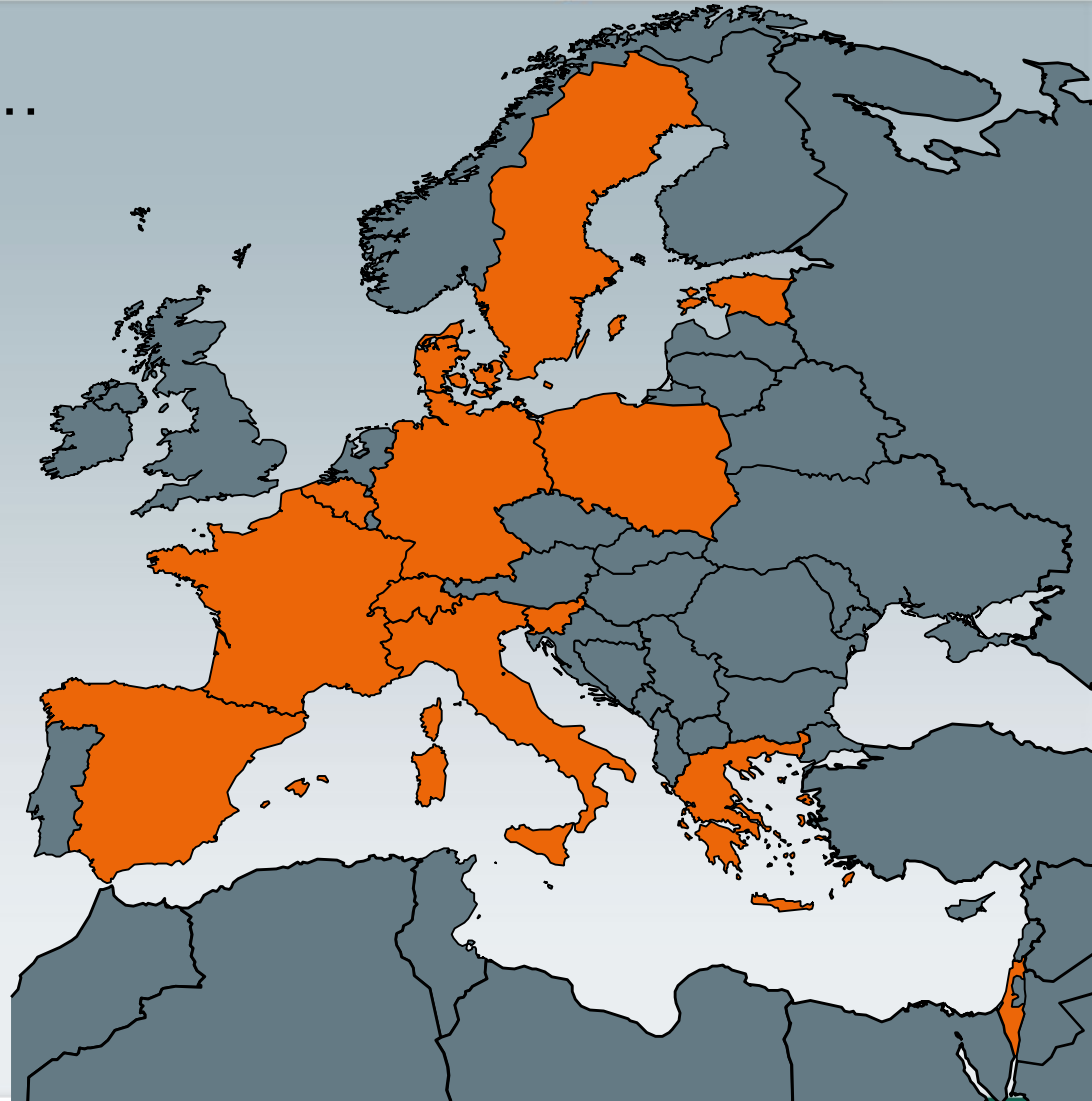
- Conditions typical for later life
- Cardiovascular diseases
- Cognition (decline)
- Conditions influenced by lifestyle

DBSS in SHARE

SHARE wave 6 countries...

participating in

DBSS collection.



DBSS in SHARE

- Different languages
- Different cultures
- Different laws

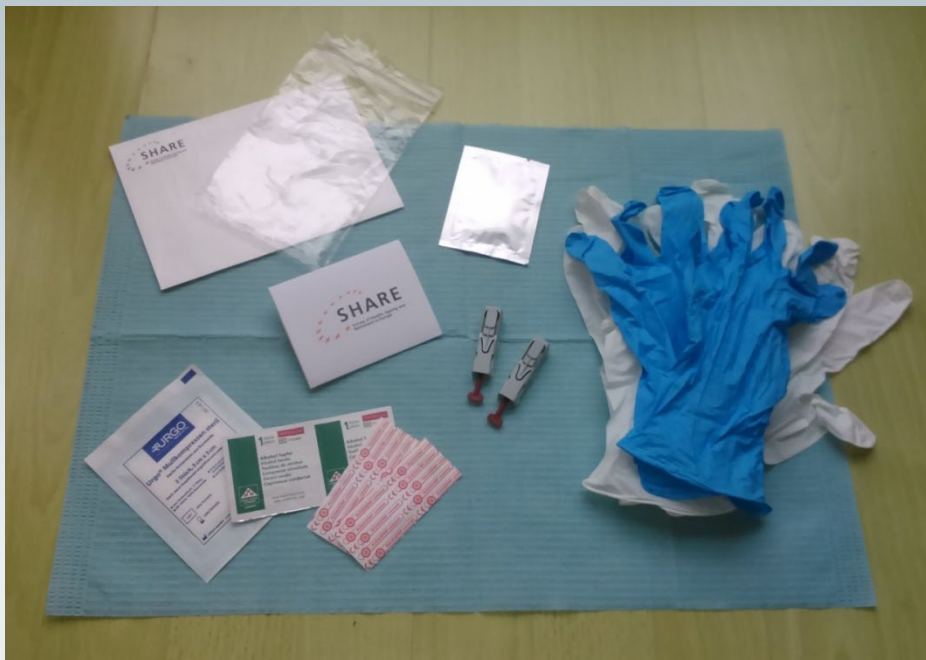
Ex-ante harmonization
(of whole survey)

Ethical considerations


- Ethical approval in every participating country obtained beforehand
 - 12 countries out of 18
- Deviations in protocol necessary
 - ...keeping comparability of data
- Informed and written consent needed
 - Generic version of documents translated in all languages

Equipment

- All equipment ordered centrally
 - 40.000 kits
 - Same composition in all countries



Interviewer training

-  Interviewer effects...
- Central training workshop
 - National training sessions
- Hands-on-training and certification
- Printed DBSS handbook

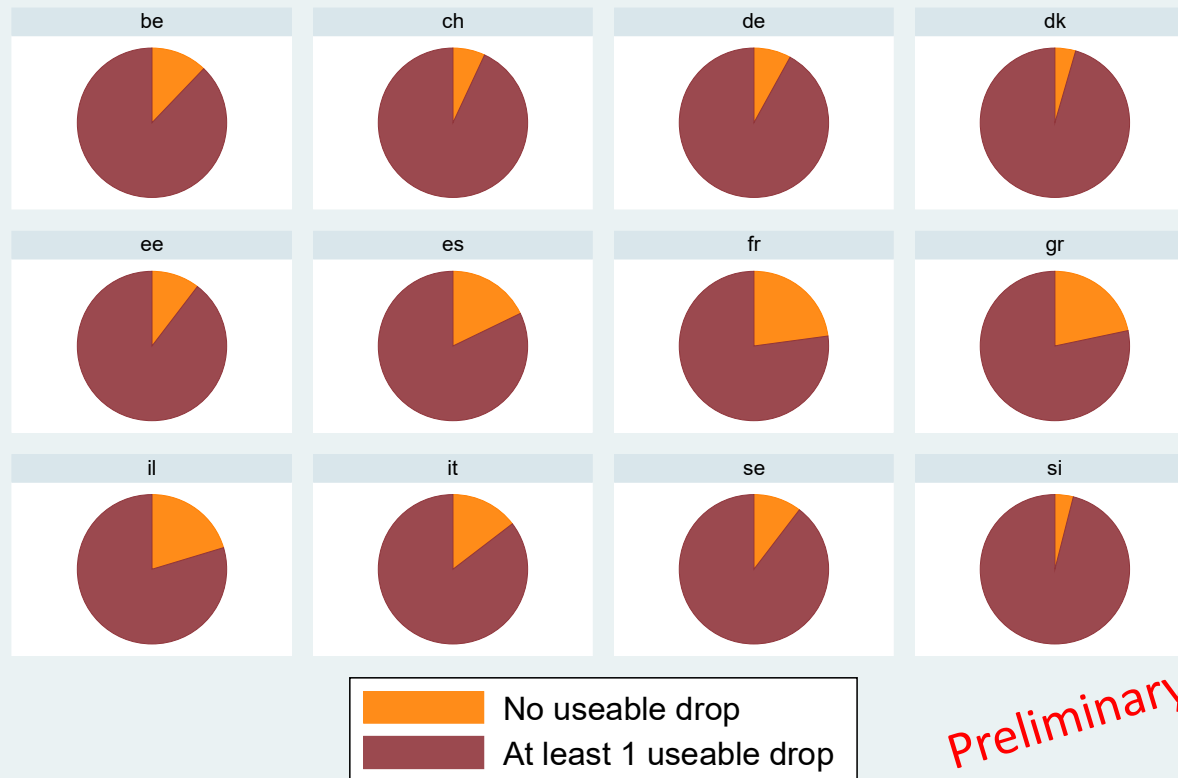


- Monitoring and interventions if necessary
 - (Individual) consent rates
 - Shipment times
 - Packaging
 - Sample quality



Sample quality

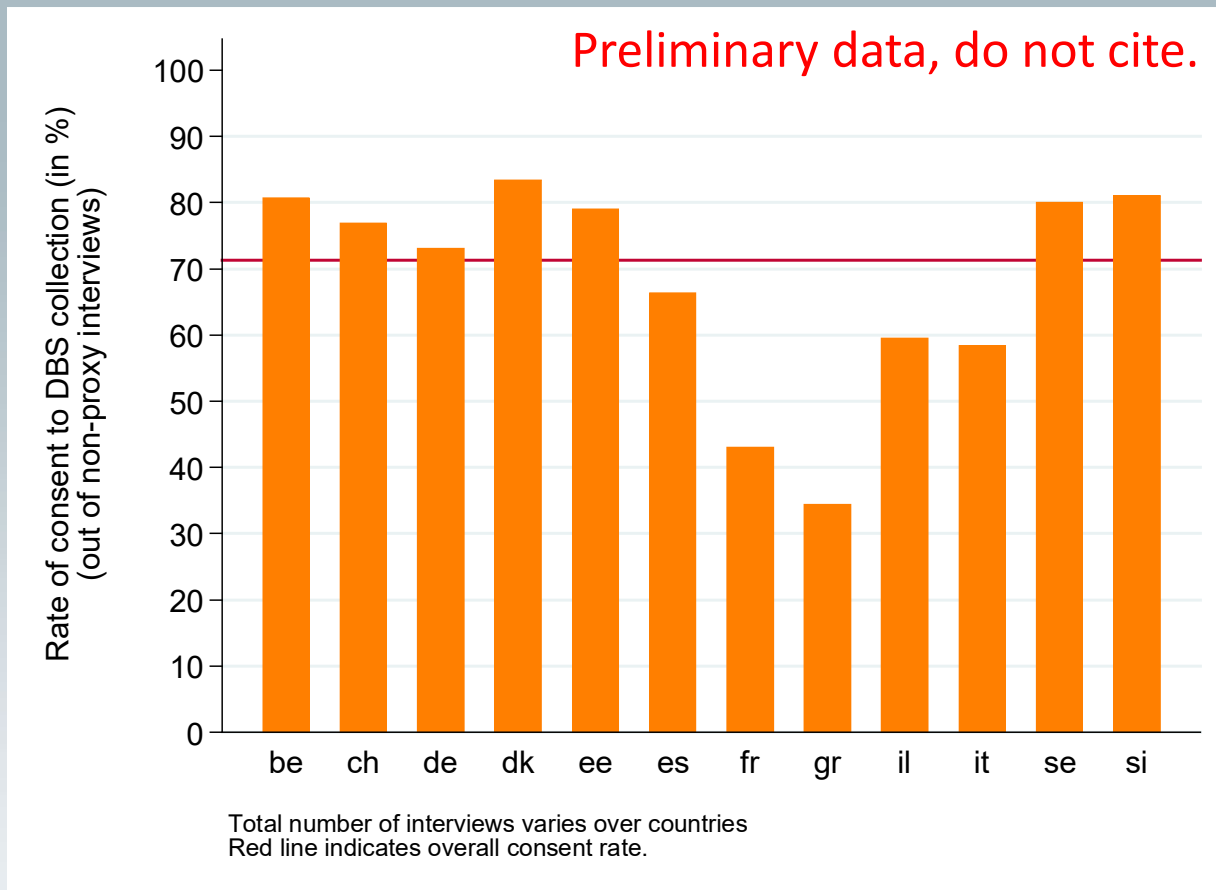
- >89% of samples with good quality



Total number of samples varies over countries

Preliminary data, do not cite.

Outcome



71.3 %

→ 23.874 samples (>83.000 blood spots)

- Variety of biomarker values will be released in 2017
- SHARE data free for users with a scientific affiliation
- No additional conditions for biomarker/biomeasure data

www.share-project.org



SINCE 2004 123.000
PEOPLE PARTICIPATED
IN MORE THAN
20 COUNTRIES IN
293.000 INTERVIEWS.



How we age in Europe.



OVER 5000 USERS
WORLDWIDE & MORE
THAN TWO SHARE
BASED PUBLICATIONS
EVERY WEEK.



IN 2011 SHARE BECAME
THE FIRST ERIC EVER.
SHARE IS AN ESFRI
SUCCESS STORY
AND LANDMARK.



SHARE – the Survey of Health, Ageing and Retirement in Europe is a multidisciplinary and cross-national panel database of micro data on health, socio-economic status and social and family networks of individuals aged 50 or older.

share-eric.eu

THANK YOU!

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