

General update

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Timeline

Year	Modality	Sample	Refreshment
Wave 1 (2002/3)	CAPI	12,100	HSE 1998-2000
Wave 2 (2004/5)	CAPI + Nurse visit	9,432	
Wave 3 (2006/7)	CAPI	9,771	HSE 2001-04
Wave 4 (2008/9)	CAPI + Nurse visit	11,050	HSE 2006
Wave 5 (2010/11)	CAPI	10,274	
Wave 6 (2012/13)	CAPI + Nurse visit	10,437	HSE 2009-11
Wave 7 (2014/5)	CAPI	9,666	HSE 20011-12
Wave 8 (2016/17)	CAPI + Nurse visit (50%)	8,443	
Wave 9 (2018/19)	CAPI + Nurse visit (50%)	8,736	HSE 2014-15
COVID 1 (2020)	Internet + Telephone	7,040	
2 (2020)		6,794	
Wave 10 (2021/23)	CAPI/CAVI	7,242	HSE 2017-18

Features of ELSA Wave 10

- Began with Computer Assisted Video Interviews (CAVI) in late 2021
- Moved to face-to-face CAPI in 2022
- Health assessments planned for 50% of the sample postponed until wave 11
- Reduced response rate compared with previous waves –survey workforce issues
- Data processing underway, deposit with the UK Data Service planned for late 2023
- ELSA – CHARLS accelerometry module funded by the ESRC / China NSFC

Accelerometer protocol

Parameter	ELSA Wave 10
Axes	3
Frequency	100 Hz
Range	$\pm 8 g$
Wrist	Dominant
Wear protocol	24 hours per day for 8 days
Monitoring period	10 days*

* To allow for postal delays



Axivity AX3

Please start wearing the monitor immediately and record below the date and time you start wearing the monitor.

Date started wearing (dd/mm/yy): / /

Time started wearing (24-hour clock, hh:mm): :

Wrist monitor worn on (left or right):

Please return this postcard with the activity monitor in the pre-paid envelope provided.

Cross-cohort comparisons

elsa English
Longitudinal
Study of
Ageing

W10
→
2021-23



Axivity AX3

biobank^{uk}

CHINA KADOORIE
BIOBANK

中国慢性病前瞻性研究

CHARLS
中国健康与养老追踪调查

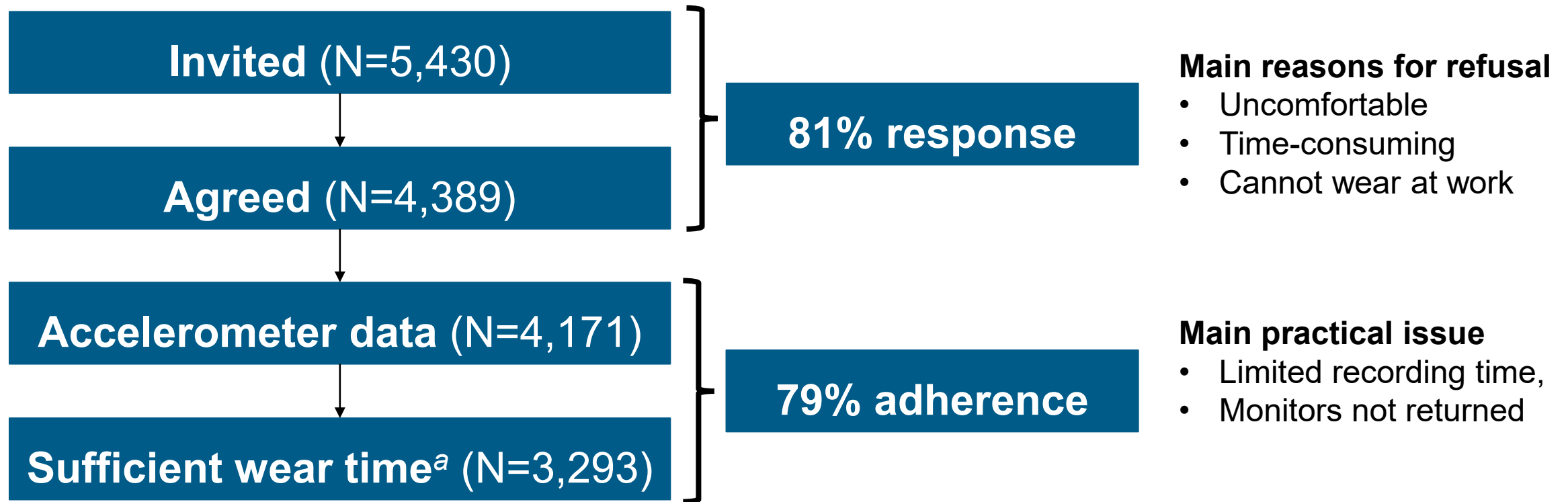
W5
→
2021-23



Matrix 003

- Newly developed
- Economical (~50% cheaper)
- Triaxial accelerometer + gyroscope + heart rate monitor

ELSA participant flow diagram



^a ≥ 3 days of wear and contribution in each 1-hour period of the 24-hour cycle

Harmonized Cognitive Assessment Protocol (HCAP)

- Comprehensive battery of 20 tests assessing a broad range of cognitive functions
- Administered to 1,273 participants aged 65+ (75.6% RR) in 2018
- Informant interviews for 82.5%
- Protocol identical to HRS
- Algorithmic estimates of dementia and mild cognitive impairment (Manly et al, 2022)
- Data available from UK data service (SN 8502)

ELSA HCAP 2 (April-September 2023)

- Target sample of 2,000:
 - All living participants in HCAP-1 (~1,000)
 - Ethnic minority sample (~300)
 - Random sample of ELSA participants aged 65+
- Same protocol as ELSA HCAP1 (except for smell test)
- End of Life interviews with family member / carer for HCAP1 participants who have died
- Current situation:
 - 1,353 interviews completed. Response rate ~64%

Wave 11

- Data collection September 2023 - May 2024
- CAPI + self-completion questionnaire + health visit
- 6,100 refreshment, including ethnic minority boost
- Health visit to participants' homes:
 - Anthropometry, physical function tests
 - Blood pressure, lung function
 - Blood samples

ELSA involvement in policy

- Evidence to Parliamentary committees
- Briefings to central Government Departments: HM Treasury; Health and Social Care; Work and Pensions; Transport; Levelling Up, Housing and Communities; Digital, Culture, Media and Sport
- Work with Arm's Length Bodies: Centre for Ageing Better; Office for National Statistics
- Charities: Age UK; International Longevity Centre
- International: US National Academy of Sciences; Organisation for Economic Co-operation and Development (OECD); U.S. Surgeon General; EU DGs