

Life history interview: Rationale



Ecological model of human behaviour; longitudinal framework to consider the impact of **multiple layers of influence** over the life span.

Individual cycling behaviour a **developmental trajectory** that encompassed a person's thoughts, feelings, capabilities and activities related to cycling.

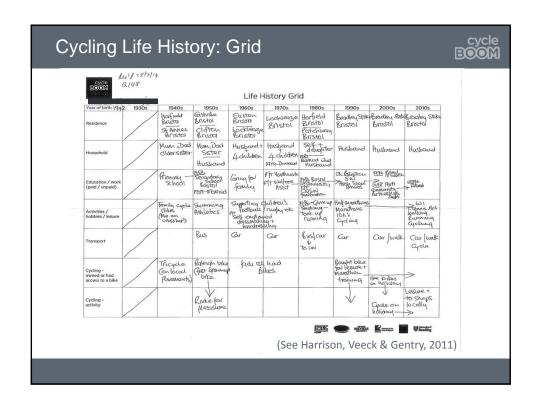
An individual's cycling status in mid and later life is viewed "dynamically as the consequence of past experience and future expectation as well as the integration of internal motive and external constraint" (Giele and Elder, 1998).

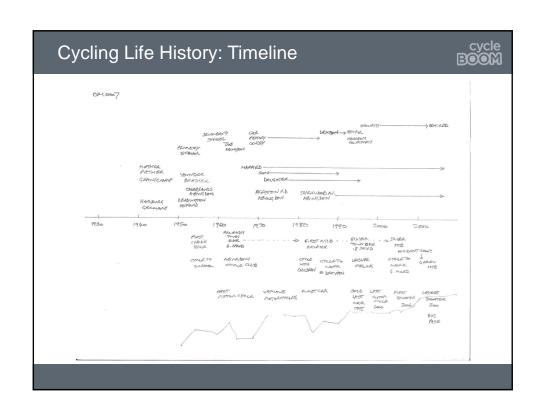
Life history interview: Objectives



Through individual life histories of cycling reveal

- Whole-life view on engagement with cycling
 - Behaviour change and continuity in relation to life events and transitions and evolving social and physical settings
 - Practice of contemporary cycling
- Experience and narratives of cycling and ageing
 - How cycling is affected by later adulthood transitions?
 e.g. changing work patterns, family structure, roles, health
 - Adaptive, restorative and diminishing changes
 - Outlook for future cycling





Life History Interviews: Emerging themes





- Heterogeneity in past cycling trajectories: continued | expanded | diminished | rediscovered | discontinued | new | stopped | absent
- Heterogeneity in future cycling trajectories:
 continue | increase | decrease | uncertain | start | behind me
- Later life:

transitions: retirement | residential moves | family roles | body | motivation
Niches: established and evolved

Cycling niche:

enduring: knowledge | skills adapting: bike | kit | timing | skills | company | routes explorative: geography | mentors

Life course to glimpses of everyday life Later life transitions (E)cycling trials (E)cycling Focus Groups Mobile rides Interviews Not to scale! Incidents

Integrated methods



Life history interview

E-cycling wellbeing trial



How has their cycling status arisen over their life course

Experiences of and responses to 8 weeks E-cycling in later life

(E)cycling - eight week trial: background



Objective:

To test the impact of (re)discovering cycling on physical activity, mental health and wellbeing in older adults.



"work on well-being and mobility should consider both the objective and the subjective and the hedonic and eudaimonic dimensions of well-being, and should pay detailed attention to the multiple ways in which wellbeing and its linkages to mobility are context-dependent and shaped by the particularities of time and place"

(Nordbakke & Schwanen 2014)

(E)cycling - eight week trial: background



Measures:

- 1. Cognitive function (Executive function tasks)
- 2. Eudaimonic wellbeing (actualizing inherent potentials)
- 3. Hedonic wellbeing (maximizing pleasure moments)
- 4. Physical health (self-reported)

Tools – Psychological wellbeing (PWB) questionnaire (Ryff, 1989); Health Survey SF36v2. Exec function tasks: MMSE; CERAD I & II; Verbal fluency; Plus minus; RVIP; Stroop; Letter Memory; Dot probe; Go-No-Go... Diary entries

Sample of E-bike (n=40); pedal cycle (n=40); control group (n=20) matched on age, sex, SES, educational from Oxford and Reading areas.

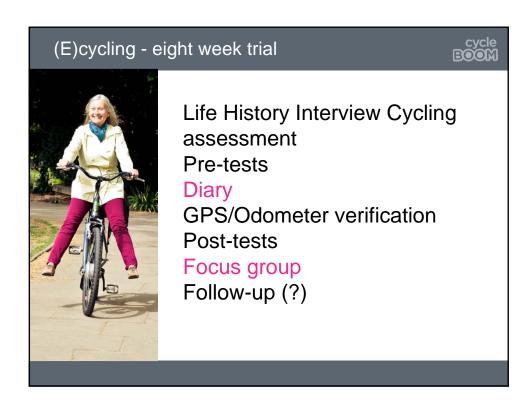
Exposure - (Re)Engaging with cycling at least 3 times per week for at least 30 minutes during the 8- week period.

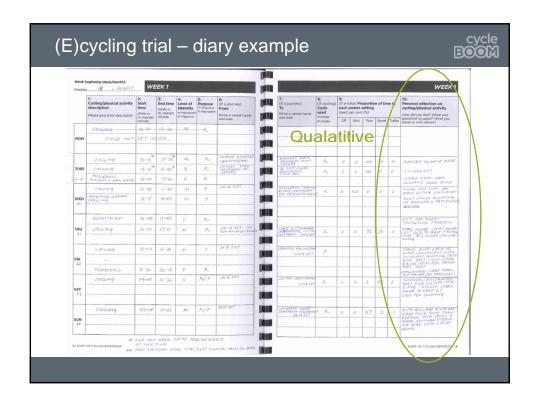
(E)cycling - eight week trial

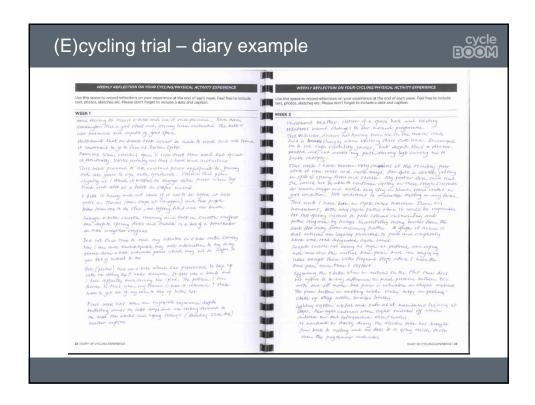




Life History Interview Cycling assessment
Pre-tests
Diary
GPS/Odometer verification
Post-tests
Focus group
Follow-up (?)





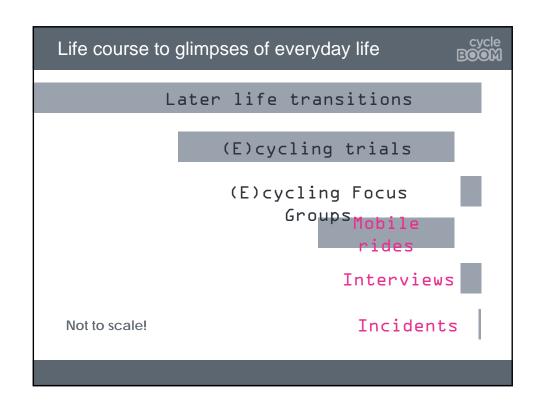


E-cy	cling trial – Ulrich's diary
Week	
1	Excited about independent cycling: 'Exuberant' Familiarisation: gears, settings, speed, weight: 'Power does help'
2	Enjoyment: 'E-bike has brought fun back to cycling' Environment: 'Poor state of some roads and cycle ways'
3	Social: 'With Carina, who can go faster then me. Picnic by river' Health: knee problem resolved, regained interest in sport and 'fighting spirit'
4	Testing: 'stamina on unbroken run', 'Carina can overtake me easily' Familiarity: 'Initial excitement has passed enjoyment of using it is still there'
5	Exploratory rides: 'Interesting ride over new routes'
6	Encouraged: 'Could not have kept time schedule due to heavy traffic', 'Do more'
7	Technical: 'Punctured, lucky near home', Fixing it 'heavy work'
8	Benefits: 'Pleased could still ride pedal cycle without a struggle', '542 miles'!
9	Appreciation: 'Final ride all good things have to come to an end' Buy one

E-cycling trials – initial findings		
PHASE	EXPERIENCE	
Beginning	Excitement Preparation: kit routes Familiarisation: cycle training practicing	
Experiencing	Body/mind Enjoyment thrill Confidence: ability equipment safety Motivation: cycle BOOM cycling benefits Geographies/infrastructure/environment Expansion of cycling: topography distance discovery leisure & practical Environmental challenges: weather darkness traffic infrastructure Technology Bike problems: gears posture electrics punctures weight Positive comparison to driving: speed convenience flexibility cost Clothing and 'clobber': gloves jackets helmets locks Social interactions Accompanied cycling social access pedestrians other cyclists	
Ending	Appreciation: mobility health social Planning: e-bike pedal	

E-bike opportunities "same amount of Mobility practices exercise but more ■ Geographies – rediscovered | pleasure because extended | deepened going further than Additional journeys | replacing car my usual Learning effect > novelty (Fyrhi & boundaries" Fearnley 2015) Health and wellbeing "Instead of 'closing down' at our ages Greater (cycling) confidence we're thinking of Spatial awareness and control exciting and ■ Independence & social contact challenging things Exercise and enjoyment to do" Engagement with the unknown: 'mobility of the self' (Schwanen & Ziegler 2011a)





'Naturalistic' rides : background



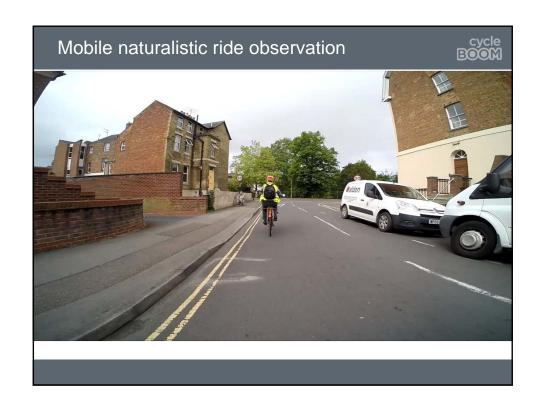


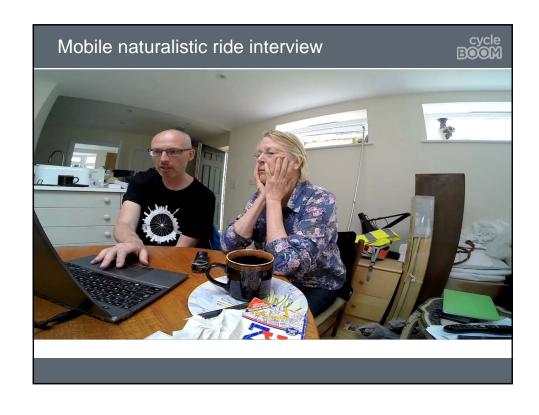


- 'New mobilities paradigm' exploring mobile bodies in mobile contexts
- Approaches that diverge from traditional methods – research 'on the move'. (Sheller and Urry, 2006)
- Mobility not just movement between A and B (Cresswell, 2006)
- Interest in affect, place, meaning, culture and representation



Integrated methods Naturalistic ride and video Life history interview elicitation interview How has their Practices and cycling status arisen experiences of over their life course everyday later life cycling





Mobile naturalistic rides – initial findings





Temporal & spatial flexibility / discretion (fair-weather / seasonal)
Competence: expert manoeuvres | reactivity

Awareness of risks and capabilities Detailed knowledge of (changing) environment

Avoiding conflict: observing etiquette Transgressions: justified & confessional

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Summary



Temporal experience: life course to cycling incidents | reflection

Later life transitions: retirement | residential moves & environment | family roles | body | motivations | changing 'embodied capacities' (Schwanen & Ziegler 2011b)

E-bikes: image and marketing | loans | design | social & technical support | 'learning effect'

Unsupportive environments: roads | traffic | cycle tracks | storage

References



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