

'Health, wellbeing and cognition'

- Overview / prompt discussion
 - Self-reported measures (objective in future)
 - Previous papers, data collected, options at 60y
- Considerations:
 - Continuity with previous measures
 - Relevant at 60y and in future
 - Comparable with other cohorts (1946c, 1970c, ELSA, etc)

Physical health

Cigarette Smoking in Pregnancy: Its Influence on Birth Weight and Perinatal Mortality

N. R. BUTLER, H. GOLDSTEIN, E. M. ROSS

Hay fever, hygiene, and household size

David P Strachan

Life-Course Partnership Status and Biomarkers in Midlife: Evidence From the 1958 British Birth Cohort

George B. Ploubidis, PhD, Richard J. Silverwood, PhD, Blanca DeStavola, PhD, and Emily Grundy, PhD

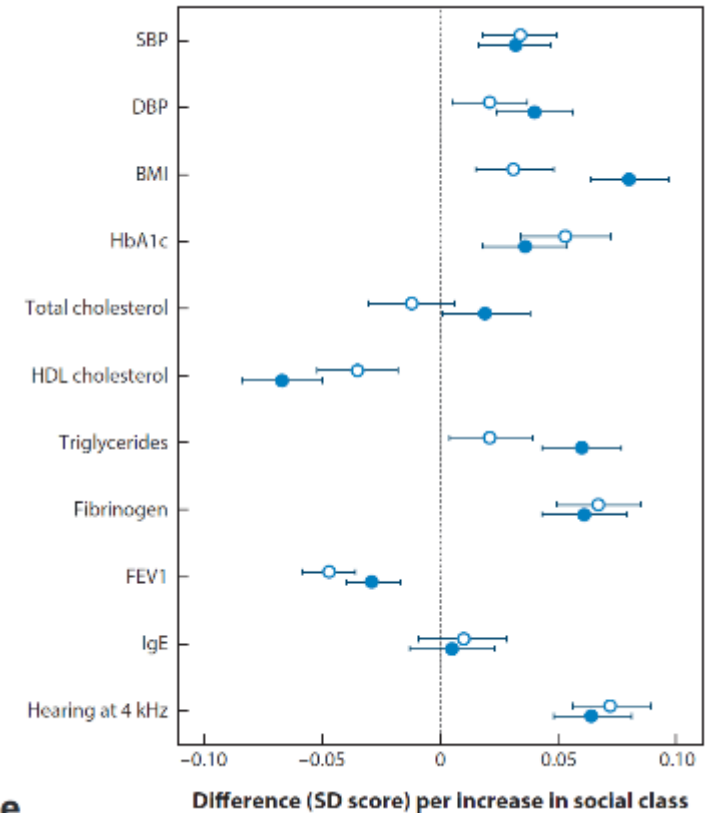
Life course body mass index, birthweight and lipid levels in mid-adulthood: a nationwide birth cohort study

Snehal M. Pinto Pereira and Chris Power*

Work-family life courses and markers of stress and inflammation in mid-life: evidence from the National Child Development Study

Rebecca E. Lacey,^{1*} Amanda Sacker,¹ Meena Kumari,² Diana Worts,³ Peggy McDonough,³ Cara Booker,² and Anne McMunn¹

Power et al IJE 2007



Associations between parental and offspring adiposity up to midlife: the contribution of adult lifestyle factors in the 1958 British Birth Cohort Study¹⁻³

Rachel Cooper, Elina Hyppönen, Diane Berry, and Chris Power

LETTER

doi:10.1088/mature10405

Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk

The International Consortium for Blood Pressure Genome-Wide Association Studies

Physical health: self-rated health et al

Previously...

- Self-rated health (23-55y)
- Reported having X health conditions (23-55y)
- Weight (0-55y)

Options

- Repeat above
 - 60y update: conditions (eg, arthritis, stroke)
- Future hospital/GP linkage (yet likely imperfect)
- Additional:
 - Estimated lifespan
 - Unintentional weight loss, weight perception

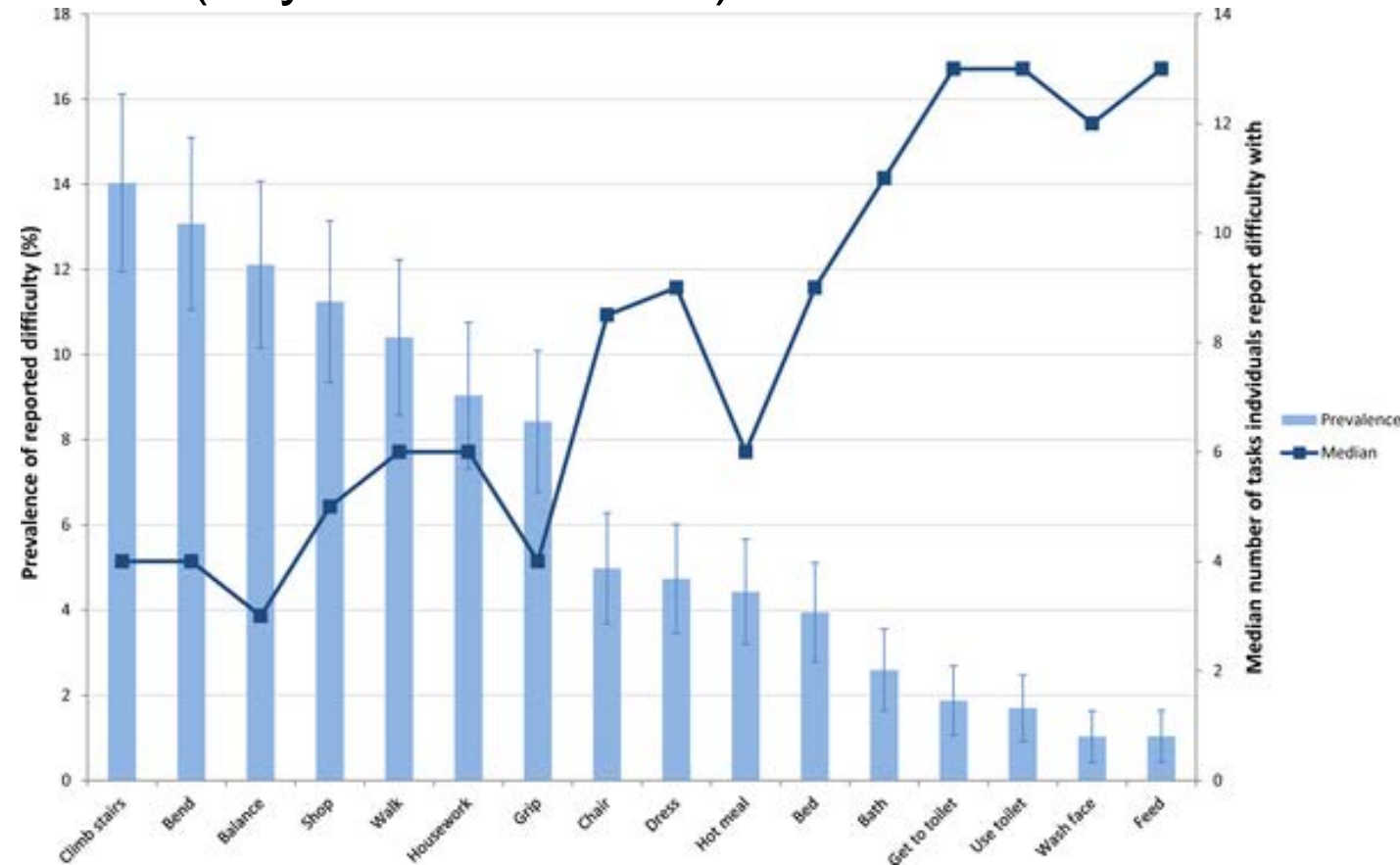
Physical health: function, impairment, disability

Previously:

- Limiting illness (...55y); disability (55y Equality Act 2010)
- Health impacts on physical activities (50y – SF-36 scale)

Options

- Repeat above
- Additional:
 - IADLs, ADLs
 - Receive care



Wloch et al, PLOS ONE, 2016 - Hierarchy of Loss

Mental health

Childhood and Adulthood Psychological Ill Health as Predictors of Midlife Affective and Anxiety Disorders

The 1958 British Birth Cohort

Charlotte Clark, PhD; Bryan Rodgers, PhD; Tanya Caldwell, PhD; Chris Power, PhD; Stephen Stansfeld, PhD

Adult Health Outcomes of Childhood Bullying Victimization: Evidence From a Five-Decade Longitudinal British Birth Cohort

Takizawa et al

The long shadow cast by childhood physical and mental problems on adult life

Alissa Goodman^a, Robert Joyce^a, and James P. Smith^{b,1}

The scarring effect of unemployment throughout adulthood on psychological distress at age 50: Estimates controlling for early adulthood distress and childhood psychological factors

M. Daly^a, L. Delaney^{a,b,*}

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Childhood and adulthood socio-economic position and midlife depressive and anxiety disorders

Stephen A. Stansfeld, Charlotte Clark, Bryan Rodgers, Tanya Caldwell and Chris Power

Mental health

Previously...

- Mental distress (malaise scale at 23, 33, 42, 50y)
- Common mental disorders (CIS-R, 45y; GHQ, 42y)
- Emotional probs. affect work/life (SF-36, 50y)

Options

- Repeat of malaise, decide which other scales
- Additional:
 - ADHD (related to childhood measures)

Positive mental wellbeing / life satisfaction

DOES CHILDHOOD PREDICT ADULT LIFE SATISFACTION? EVIDENCE FROM BRITISH COHORT SURVEYS*

Paul Frijters, David W. Johnston and Michael A. Shields

WHAT PREDICTS A SUCCESSFUL LIFE? A LIFE-COURSE MODEL OF WELL-BEING*

*Richard Layard, Andrew E. Clark, Francesca Cornaglia, Nattavudh Powdthavee and James
Vernoit*

Neighbourhood cohesion and mental wellbeing among older adults: A mixed methods approach

Jane Elliott ^{a,*}, Catharine R. Gale ^{b,c}, Samantha Parsons ^a, Diana Kuh ^d, The HALCyon Study
Team

Positive mental wellbeing / life satisfaction

Previously...

- Warwick-Edinburgh Mental Wellbeing Scale (50y)
- Quality of life, CASP scale (50y 14-point, 55y 6-point)
- Life satisfaction, single question (33, 42, 46, 50y)

Options

- Repeat above

Cognitive function

Paths to literacy and numeracy problems: evidence from two British birth cohorts

M Richards,¹ C Power,² A Sacker³

Birth weight, childhood socioeconomic environment, and cognitive development in the 1958 British birth cohort study

Barbara J M H Jefferis, Chris Power, Clyde Hertzman

Political Interest, Cognitive Ability and Personality: Determinants of Voter Turnout in Britain

KEVIN DENNY AND ORLA DOYLE*

Cognitive function

- 50y
 - Memory - recalled 10 words; instant, delayed
 - Executive function (animal names in 1 min)
 - Attention, mental speed, visual scanning (letter cross-out)
- Literacy & numeracy problems (42y)

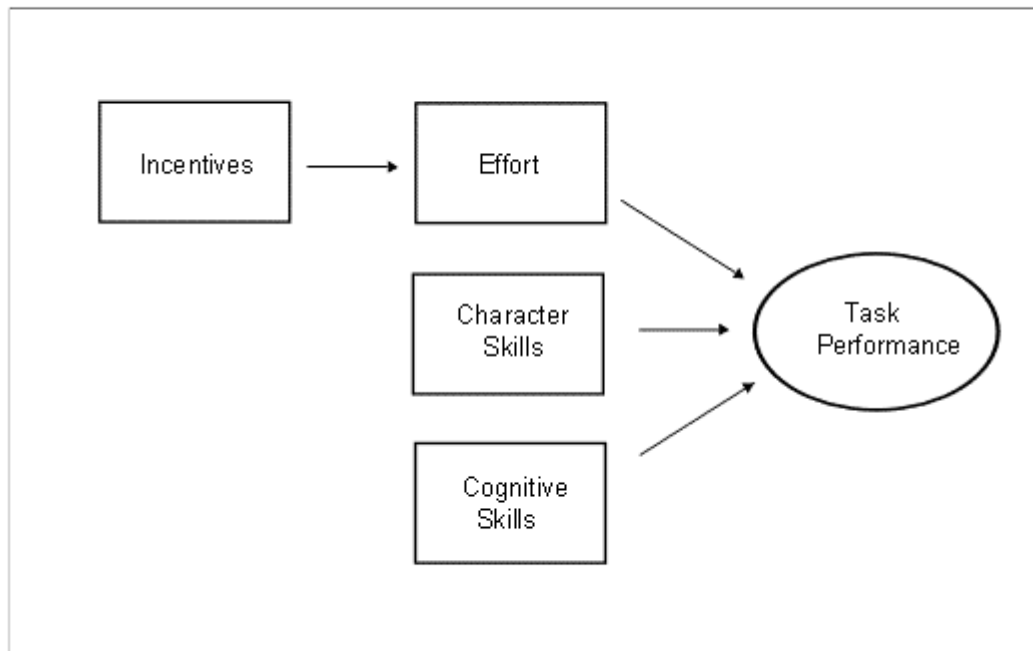
Options

- Repeat: 50-60y Δ
- Additional:
 - Other domains/measures: NART (1946c at 60-64y), literacy/numeracy
 - Dementia, mild cognitive impairment; low prevalence (n=90, 450)?

Cognitive function...

- Indicator of 'effort'?
- Non-cognitive / socio-emo. characteristics, time discounting;
- IPIP personality Inventory at 50y (Extraversion, Agreeableness, Conscientiousness, Emotional Stability, Intellect).

Figure 1 Determinants of Task Performance



Health-related behaviours

Longitudinal Physical Activity and Diet Patterns in the 1958 British Birth Cohort

TESSA J. PARSONS¹, CHRIS POWER¹, and ORLY MANOR²

Life course trajectories of alcohol consumption in the United Kingdom using longitudinal data from nine cohort studies

Annie Britton^{1*}, Yoav Ben-Shlomo², Michaela Benzeval^{3,4}, Diana Kuh^{1,5} and Steven Bell¹

Early-Life Predictors of Leisure-Time Physical Inactivity in Midadulthood: Findings From a Prospective British Birth Cohort

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Snehal M. Pinto Pereira, Leah Li, and Chris Power*

Health-related behaviours

Previously

- Physical activity: different domains & intensities (16-55y)
- Diet: consumption of specific items (33, 42y)
- Alcohol: consumption volume, frequency, type, problems (16-55y)

Options

- Repeat above
- New considerations:
 - 60y: frequent activities at 60y (see 1946c et al)
 - 2018: e-cigarettes, mobile devices
 - Alcohol context (home/out)

Suggestions / comments

Other topics:

- Sensory perception
- Sleep / napping
- Sexual health
- Menopause
- Oral health
- Pain

