



Scotland 2030

Growing Older in Future Scotland

Insights from HAGIS

David Bell
Elaine Douglas



Older People in Scotland

- Hold most of the wealth
 - mainly housing/pensions
- Have higher incomes than the young
 - More experienced/joined the labour market when it was more buoyant
- Pay more tax
- Make more use of public services
 - health and social care
 - social security benefits and state pensions
- Older people **interact more with the state** than the young
 - explains why they are more likely to vote
- Main **schism** in British politics is now between old and young



Age Group Growth Between 2016 and 2041 (2016=100)

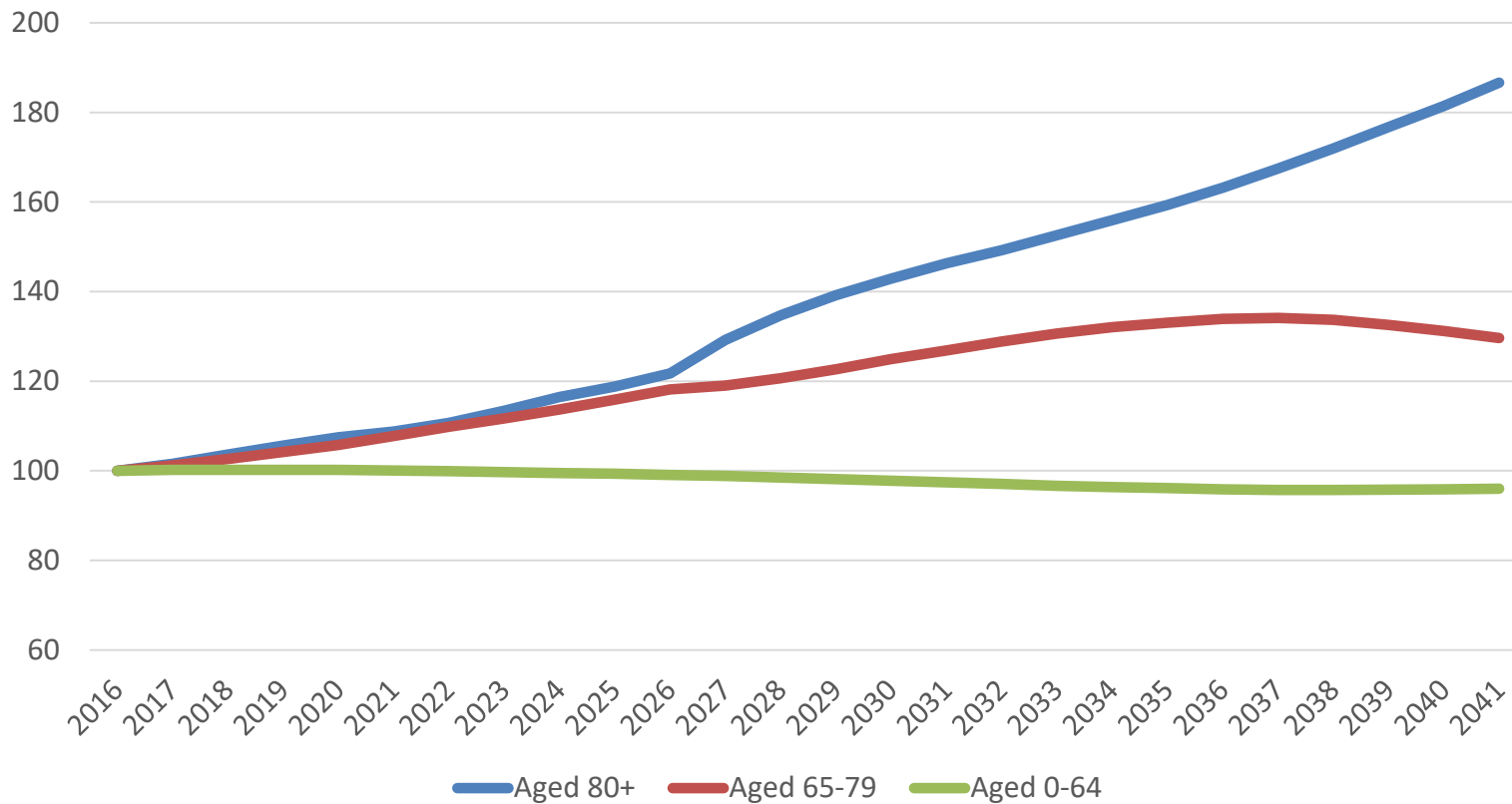
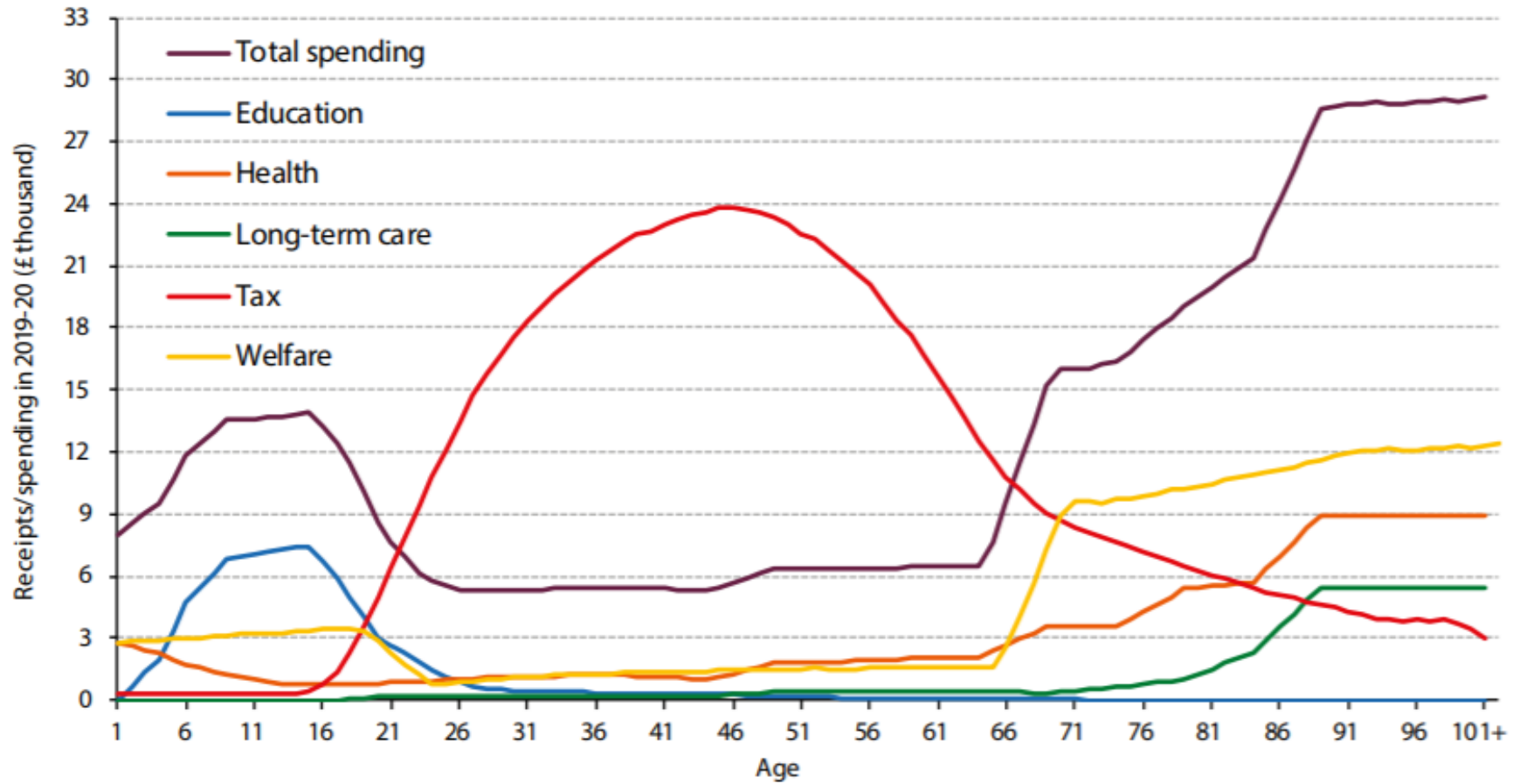


Figure 8: Representative profiles for tax, public services and welfare spending

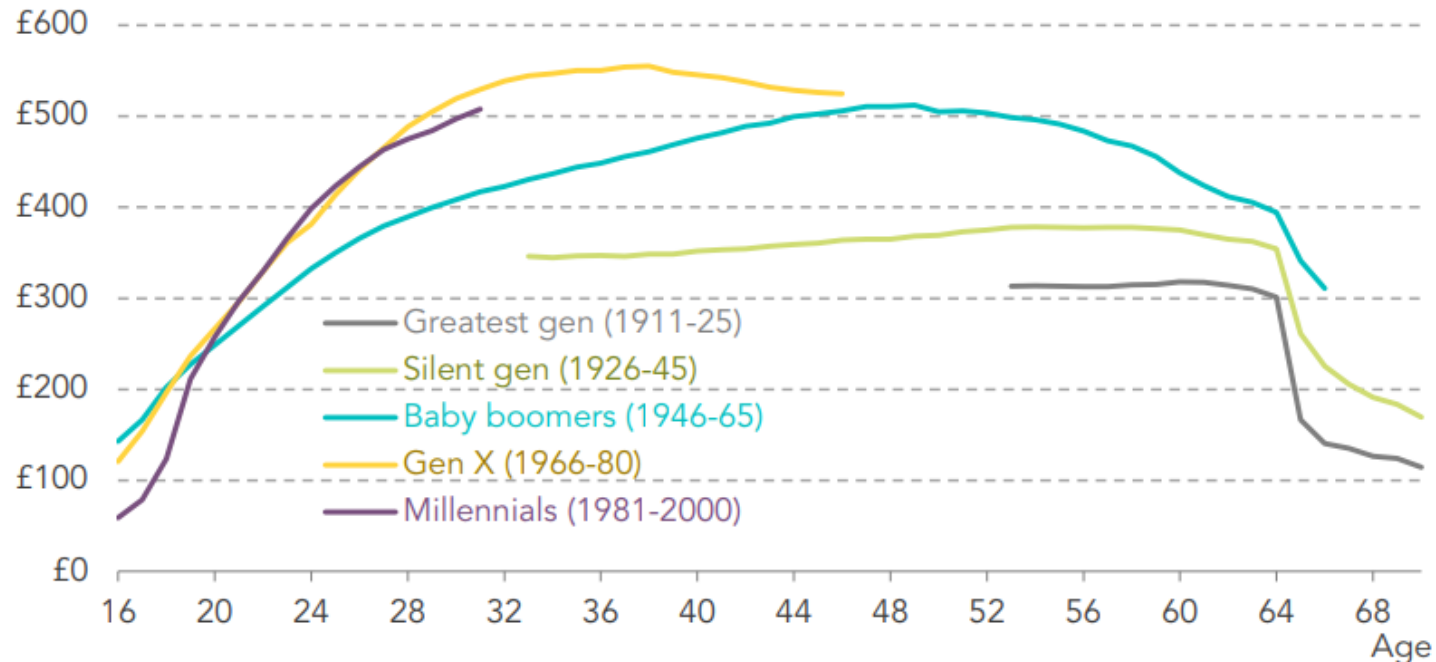


Source: [OBR Fiscal sustainability report – June 2015](#)



Inter-generational fairness now in question

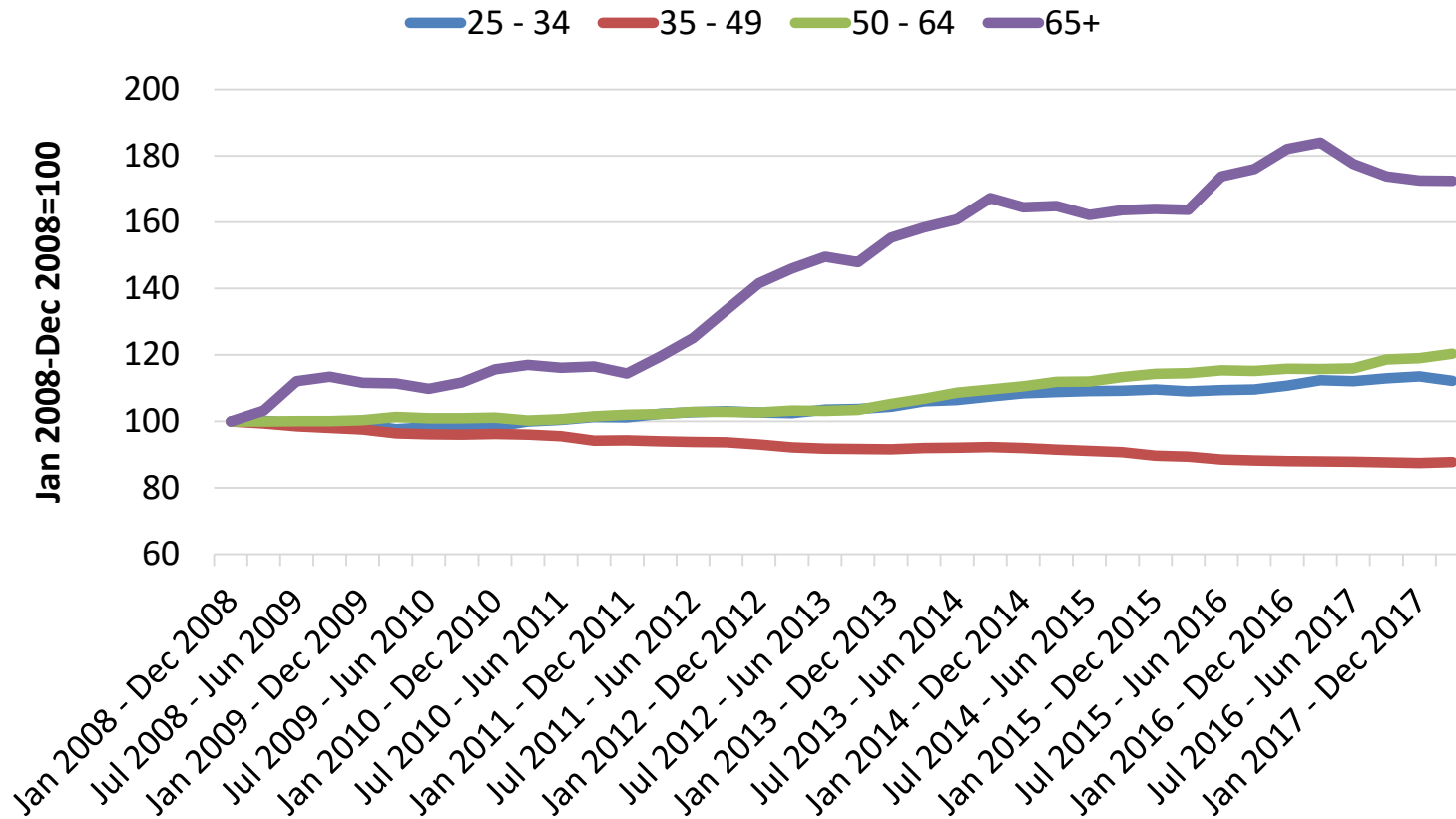
Figure 2.3: Today's young adults are earning less than the generation before them did at the same age
Median real weekly employee pay (CPIH-adjusted to 2017 prices), by age and generation: UK, 1975-2017



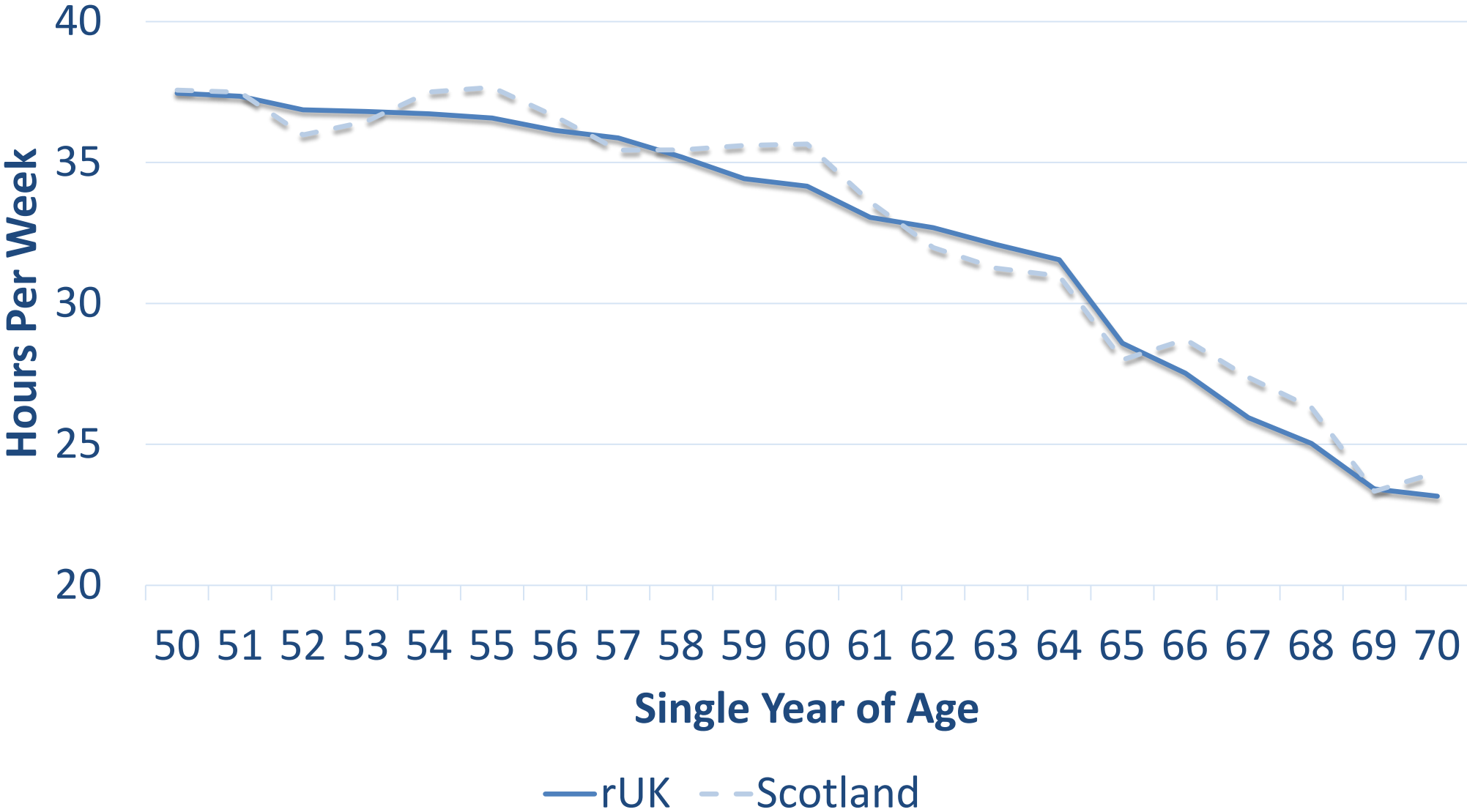
Notes: See notes to Figure 1 in: *Study, Work, Progress, Repeat?* (Intergenerational Commission report 5)
Source: RF analysis of ONS, *Labour Force Survey*; ONS, *Annual Survey of Hours and Earnings*; ONS, *New Earnings Survey Panel Dataset*



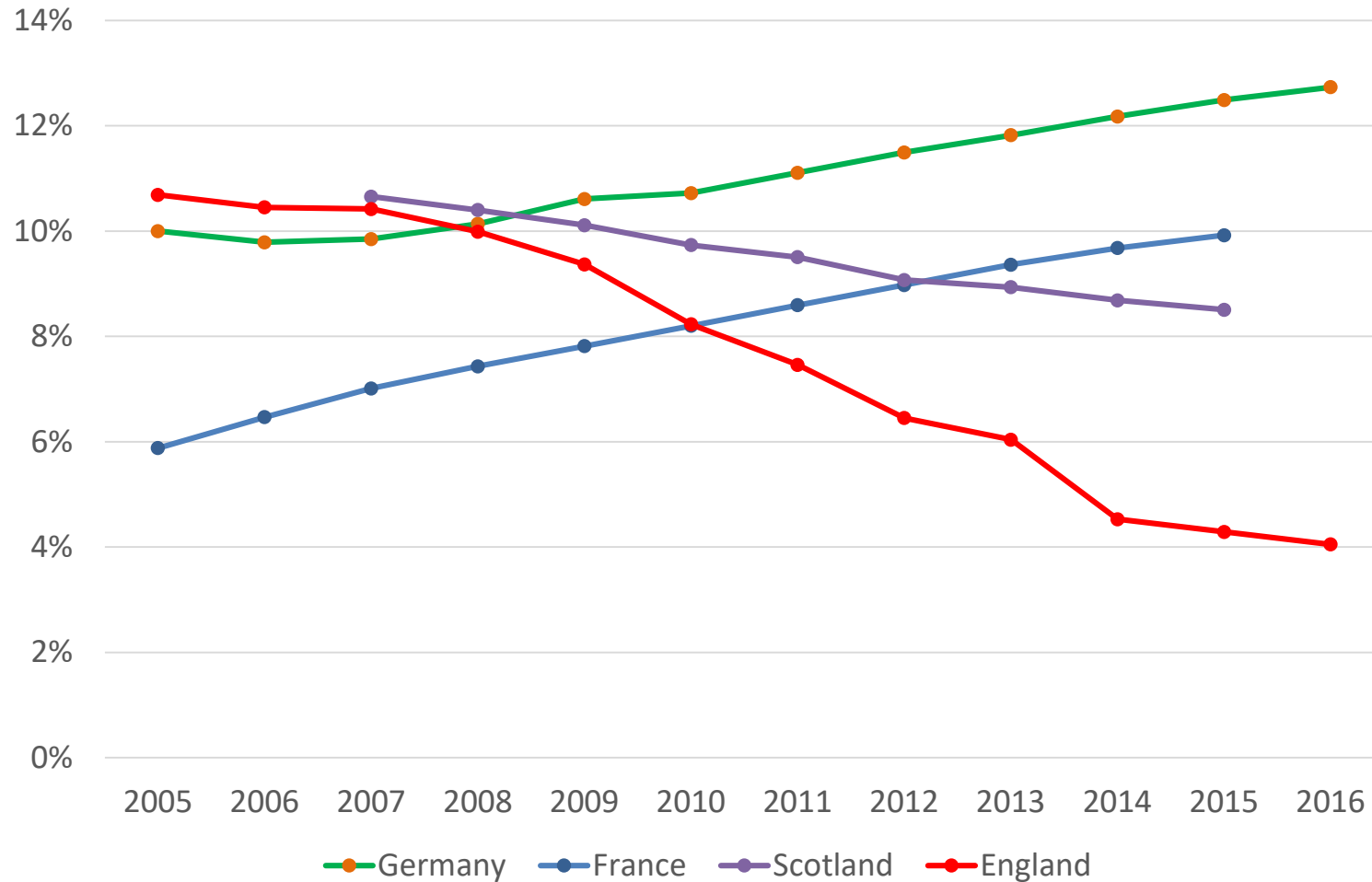
Scotland: growth in employment by age 2008-2018 (2008=100)



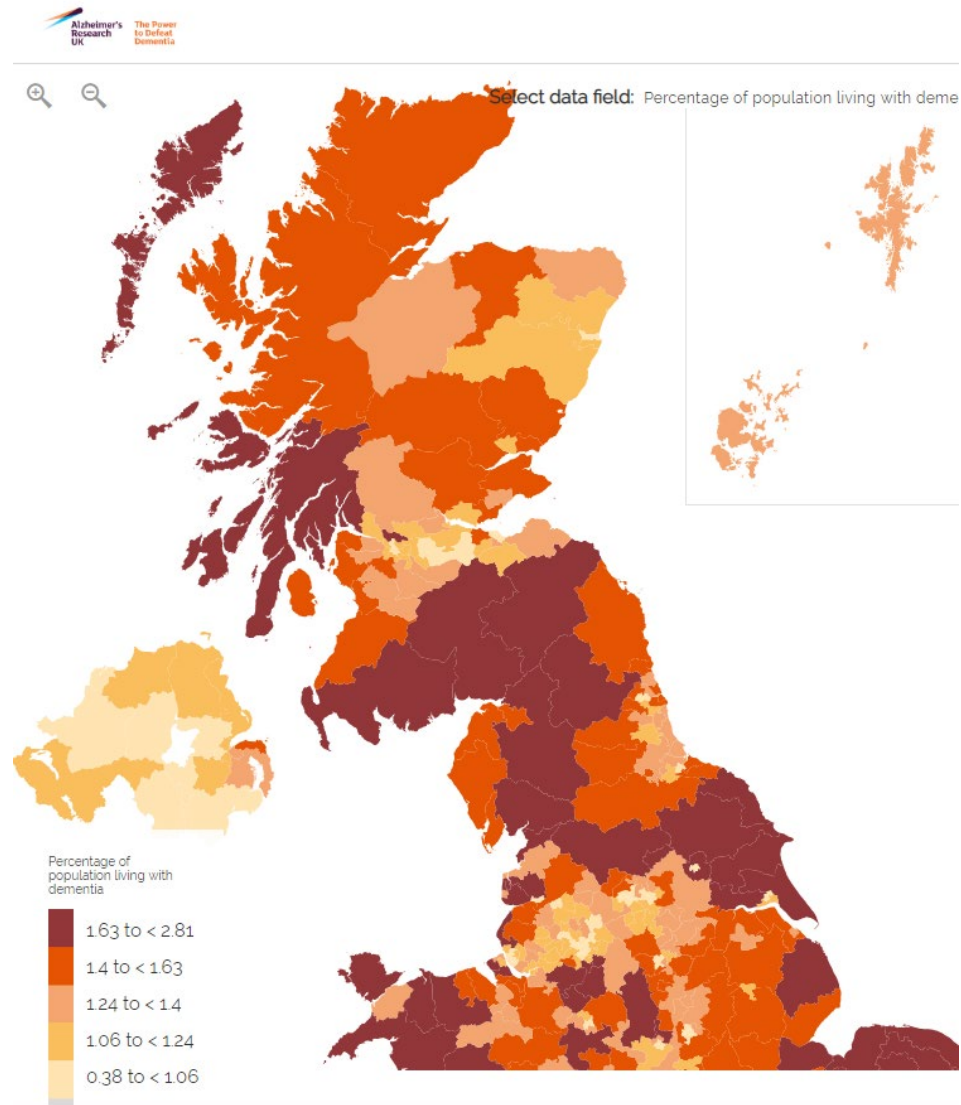
Older workers work Fewer Hours Per Week



Proportion of older people supported by national long-term care system



Proportion of older population living with dementia



Health and Retirement Studies Round the World

GATEWAY TO
GLOBAL
AGING
DATA

Gateway to Global Aging Data

Tools and resources for sister study harmonization are available from the USC Gateway to Global Aging Data, including a digital library of survey questions, a search for finding comparable questions across surveys, and identically defined variables for cross-country analysis.

HRS | HEALTH AND
RETIREMENT
STUDY

USA

HRS Sister Studies

Brazil



China



Costa Rica



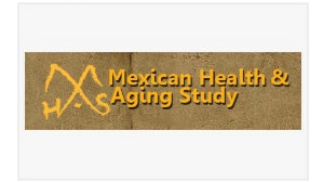
Korea



Malaysia



Mexico



England



Europe



India



New Zealand



North Ireland



South Africa



Indonesia



Ireland



Japan



Scotland



World Health Organization



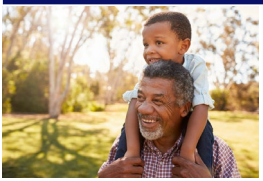
Additional Information

Existing Publications Offering Overviews of Study Design & Content (.PDF)



Important issues – where can HAGIS contribute?

- Health and social care
- Income and wealth
- Tax
- Scottish social security
- Pensions
- Cognitive ability
- Physical activity
- Loneliness and social isolation
- Health behaviours
- Subjective physical/mental health
- Wellbeing
- Standard of living
- Financial literacy
- Personality



Motivations

- Scotland has poor health and low life expectancy.
- Scotland has massive health inequalities
- Scotland has different policies for older people compared with the rest of the UK.
- Scotland has a unique ability to link extensive survey information with administrative data sources.

Questionnaire

The HAGIS questionnaire is very closely linked to the other ageing surveys in the British Isles including ELSA, NICOLA and TILDA. The questions HAGIS asks are very similar in order to allow for robust cross-country comparisons to be made. HAGIS is part of the Gateway to Global Ageing Data.

The HAGIS questionnaire covered cognitive ageing and financial literacy in depth. Some of the findings from the pilot are shown below.

Data Linkage

The HAGIS data currently linked to health and social care records date back to 2009: **hospital admissions; cancer registry; mental health and prescriptions.**

Consent to data linkage rates are **85% for health records, 80% for social care, 80% for education, and 77% for DWP.**

Costing A Health Care System

We are looking to cost Scotland's NHS usage via the Scottish Government's Patient Level Costing Information System (PLICS).

We are also seeking approval to link to DWP data.

What is HAGIS?

HAGIS is the longitudinal study of ageing in Scotland. We have interviewed 1000 people in Scotland aged 50 and over. The aim of HAGIS is to try and gather information, over time, about the health, social and economic circumstances of people aged 50+. HAGIS was funded by the **US National Institute on Aging and the Nuffield Foundation.**

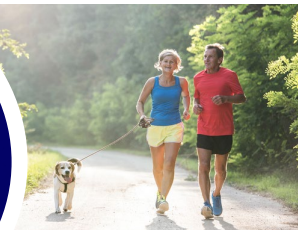


Figure (right): Mean scores, with standard error bars, for general cognitive ability by education.

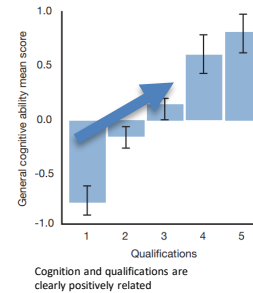
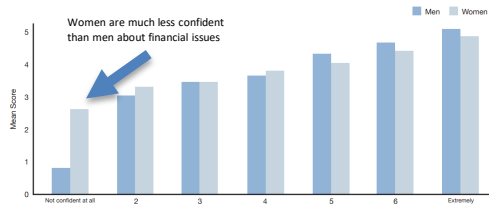


Figure (left): Financial literacy scores by confidence and gender.



Where are we now?

We are currently in the process of analysing the pilot data (n=1057) and the linked records. One area of interest is patterns of health and social care service use. We are preparing an application for the funding of the first full wave of HAGIS and are in talks with the Scottish Government and other agencies about potential future funding. We shall soon deposit the data with the UK Data Service



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How can Scotland be a world leader in ageing research?

David Bell
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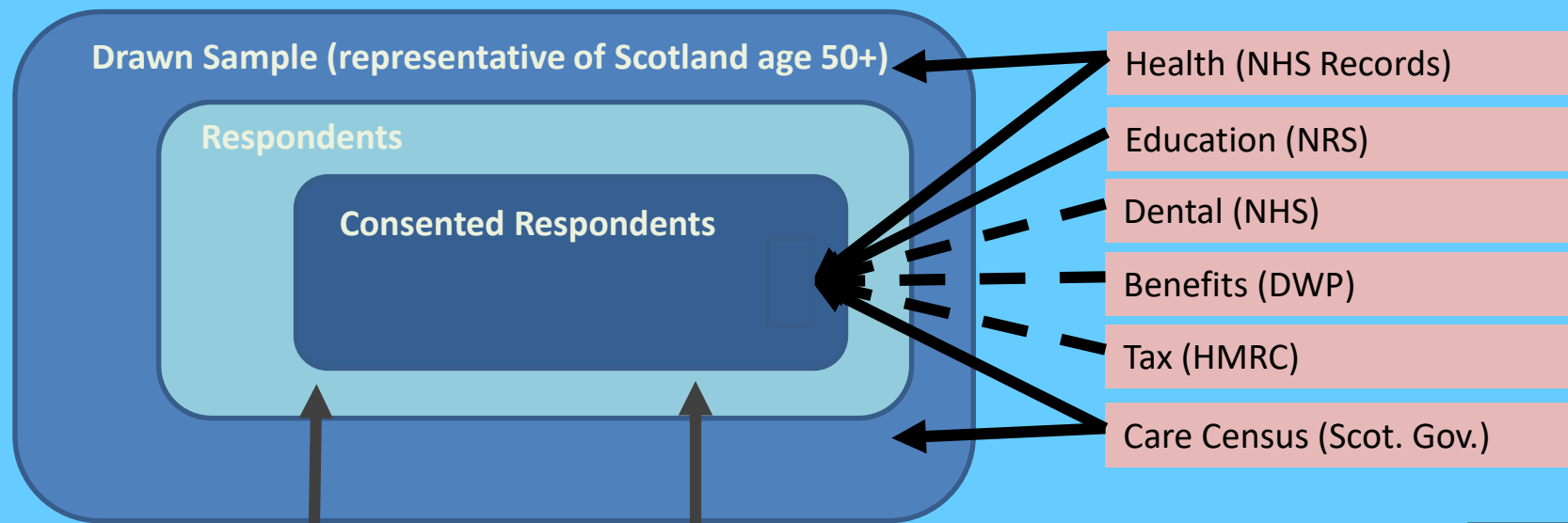
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Administrative Data Links in HAGIS

Consents requested at interview



Legend: Established links 
 Future links 

SIMD (Area indicators) SIMD (Life tables)

Linkages derived from respondent address

SIMD - Scottish Index of Multiple Deprivation
 NHS – National Health Service
 NRS – National Records of Scotland
 DWP – Department for Work and Pensions
 HMRC – Her Majesty’s Revenue and Customs
 Scot. Gov. – Scottish Government

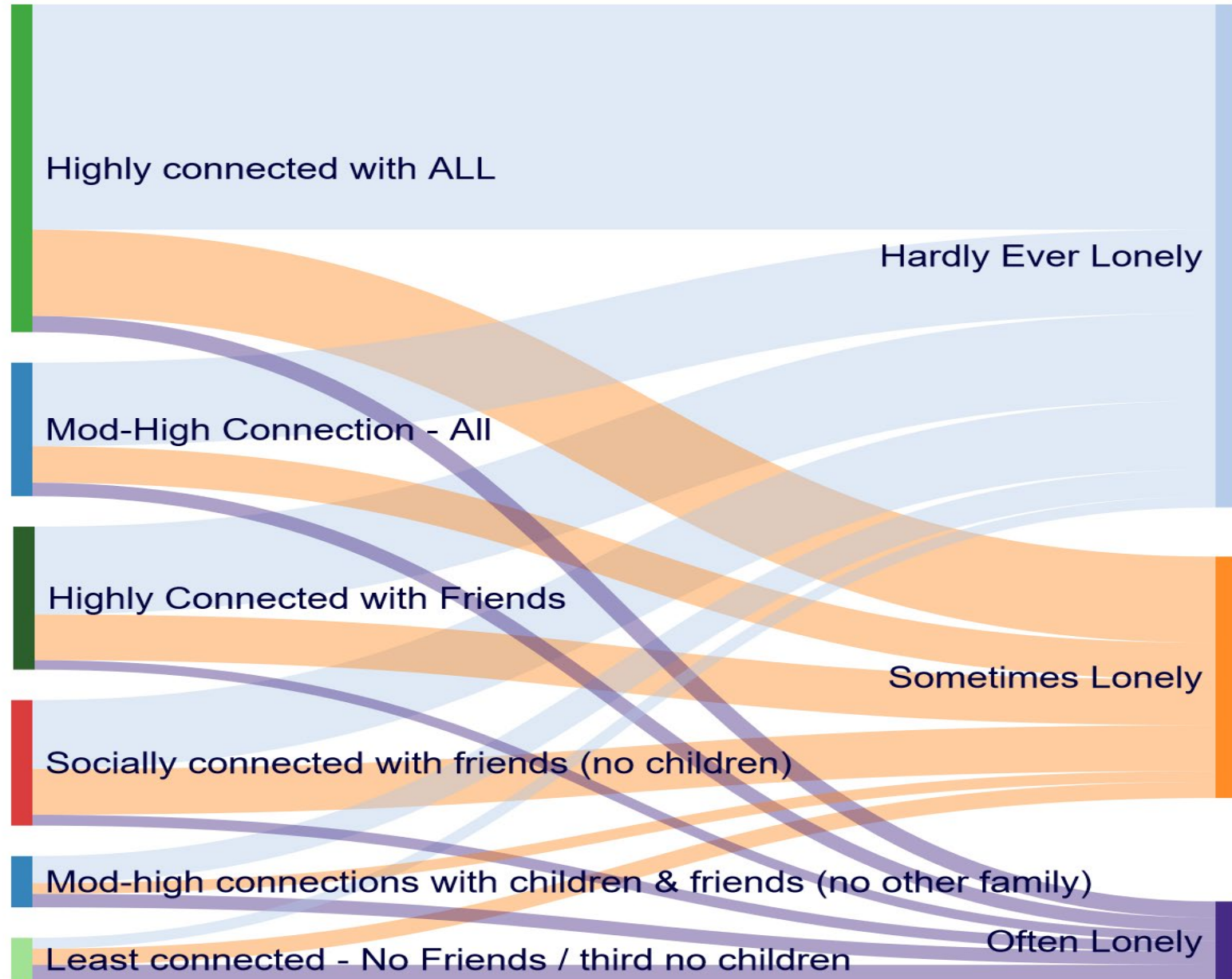


Important issues – where does HAGIS fit in?

The screenshot shows the gov.uk website interface. At the top left is the GOV.UK logo and a search bar. To the right is the Office for National Statistics logo. Below the search bar is a 'Home' link. The main content area shows the Scottish Government logo and a breadcrumb trail: Home > News >. The article title is 'Reducing loneliness and isolation'. There is an 'About' link in the top right corner of the content area.

Socially Isolated..

.... Or lonely?





Where are we now?

- We are currently in the process of analysing the pilot data (n=1057) and the health and social care linked data
- Using historical linked administrative health and social care data - this means we can learn health and social care use and current health status of the older Scottish population
- We also want to interview people again – up to 6,000 - this means we can look at pathways through ageing and begin to understand causal effects – key for prevention
- We are preparing an application for the funding of the first full wave of HAGIS and are in talks with the Scottish Government and other agencies about potential future funding