

Scotland by numbers: How well do you know Scotland?

Q-Step Academy

Creators: Kadar-Satat, G., Packwood, H. and Ashraf, S (2019).
Credit: Buckley, J., Morales, A. and Wiseman, R. (2018) Britain by
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What is survey research?

Researchers, organisations and companies use surveys to collect data about people's attitudes, thoughts, behaviours and living conditions. Many surveys use questionnaires to gather a large amount of data from a large number of people. Some surveys use interviews or a combination of an interview and a questionnaire.

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What are some examples of large scale surveys in Scotland?

- **Scottish Census**
- **Scottish Household Survey (SHS)**
- **Scottish Crime and Justice Survey (SCJS)**
- **Scottish Health Survey (SHeS)**
- **Growing Up in Scotland Survey (GUS)**
- **Scottish Longitudinal Study (SLS)**
- **And many more...**

What is a Census?

'A census in the UK is a count of all people and households...It is the only survey which provides a detailed picture of the **entire population**, and is unique because it covers everyone at the same time and asks the same core questions everywhere. This makes it easy to compare different parts of the country.'¹

The census 'is used by central and local government, health authorities and many other organisations to allocate resources and plan services for everyone.'²

Did you know?

- The first UK census was held in 1801;
- The latest UK census was held in 2011;
- A UK census is being held every 10 years



Source: 1. [Office for National Statistics](#); 2. [National Records of Scotland](#)

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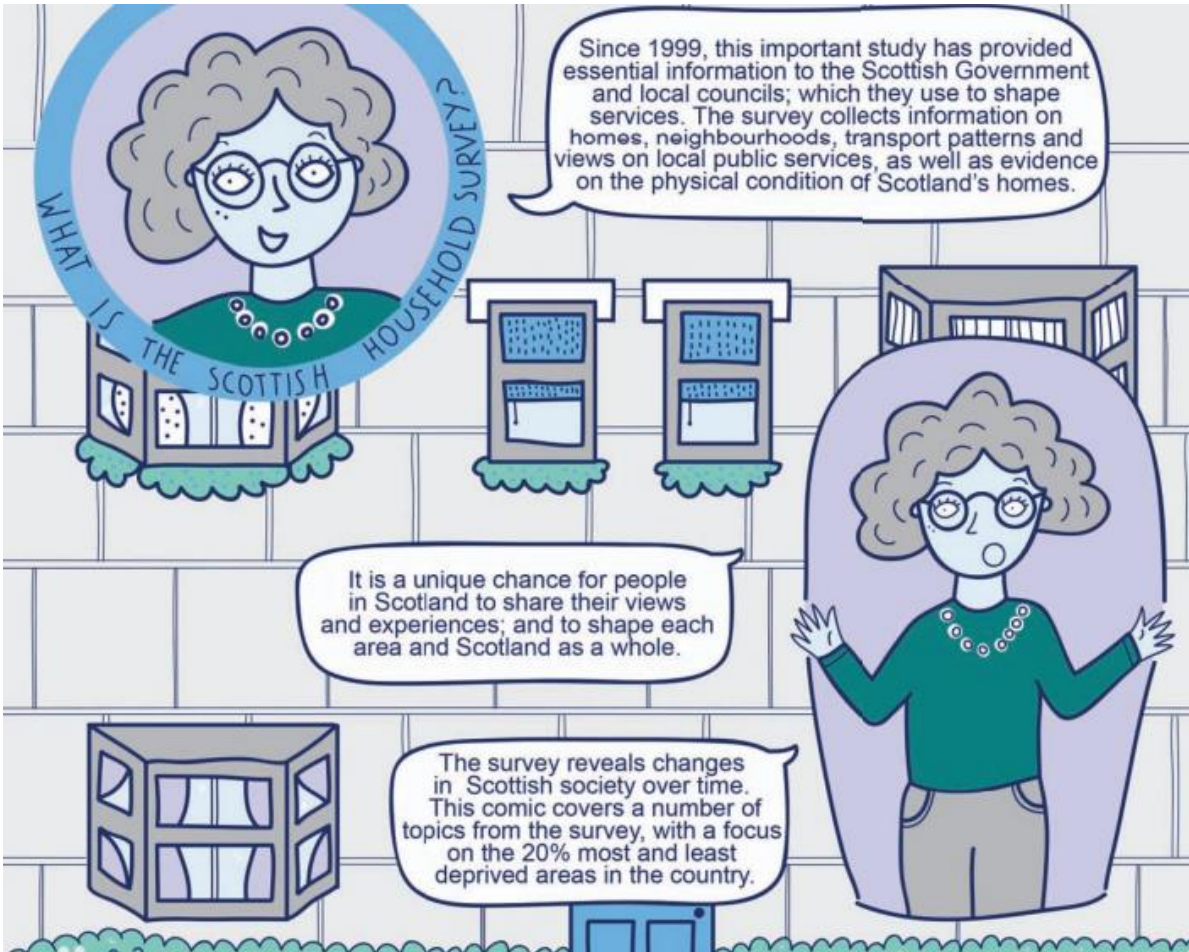


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What is the Scottish Household Survey (SHS)?

The Scottish Household Survey (SHS) is an annual survey of people in private residences in Scotland. Questions are asked face-to-face by an interviewer in homes all over Scotland. The SHS provides information to support the work of the Scottish Government in a range of policy areas. The SHS is managed by Ipsos-Mori.

Image source: Scottish Government (2018): <https://bit.ly/2ZIRUUZ>

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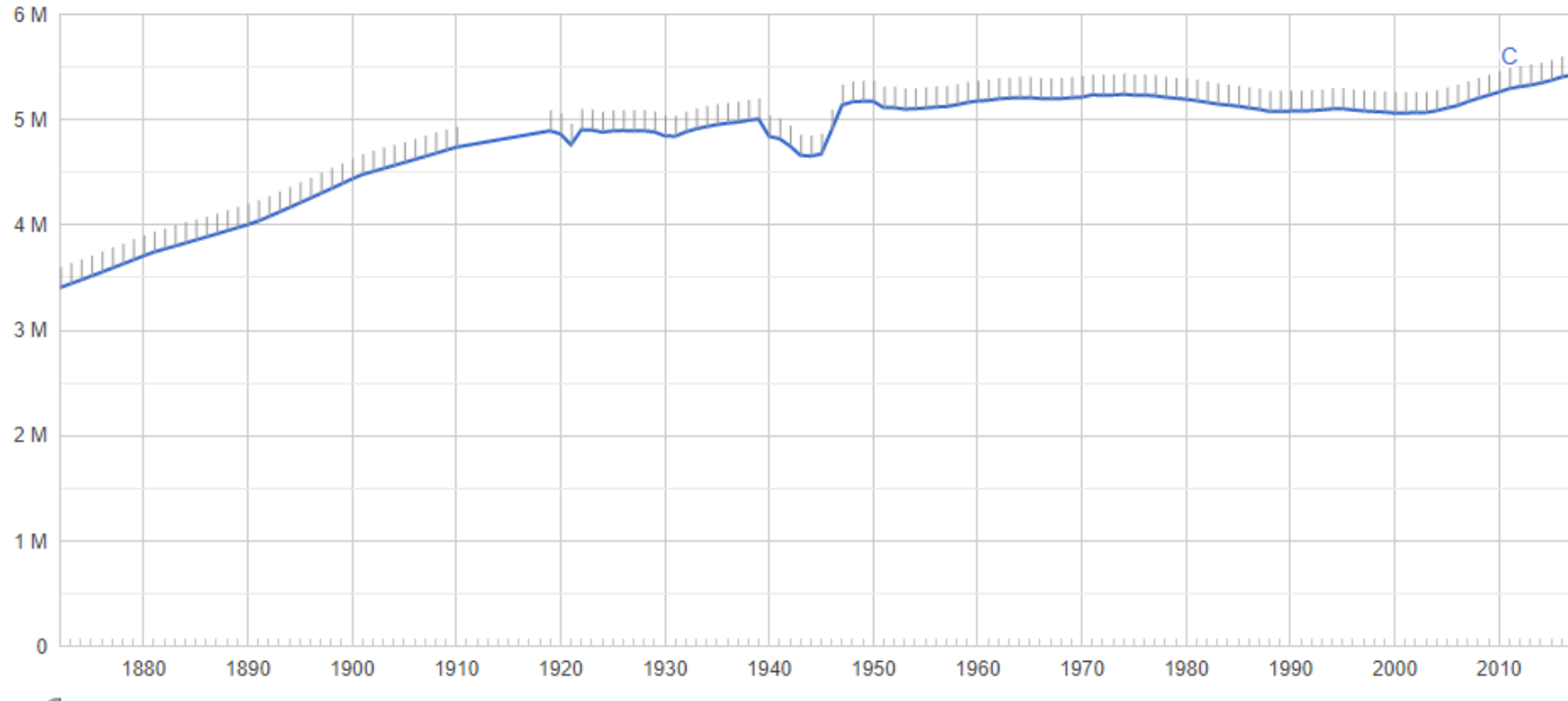


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Scotland's population size 1881-2011

**There were 5.3
million people in
Scotland in 2011**

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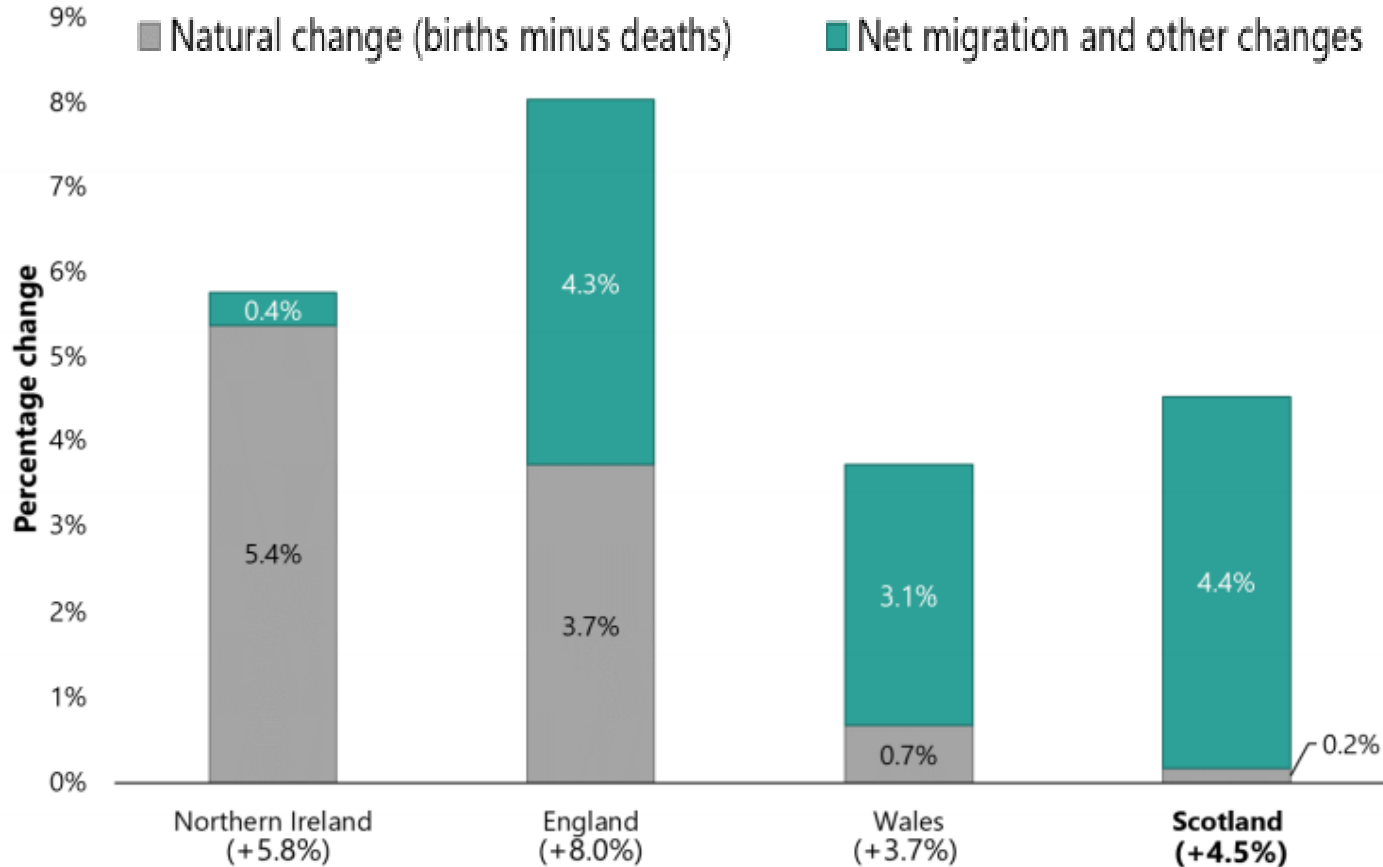


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How the population changed between 2008 and 2018

Scotland's population increased by 4.5% between 2008 and 2018. In those ten years, the population in England, Wales and Northern Ireland grew by 8%, 3.7% and 5.8% (respectively). Most of Scotland's population growth came from migration (4.4%). Only 0.2% was driven by natural growth.

(Source:

<https://www.nrscotland.gov.uk/files//statistics/rgar/2018/rgar18.pdf>)

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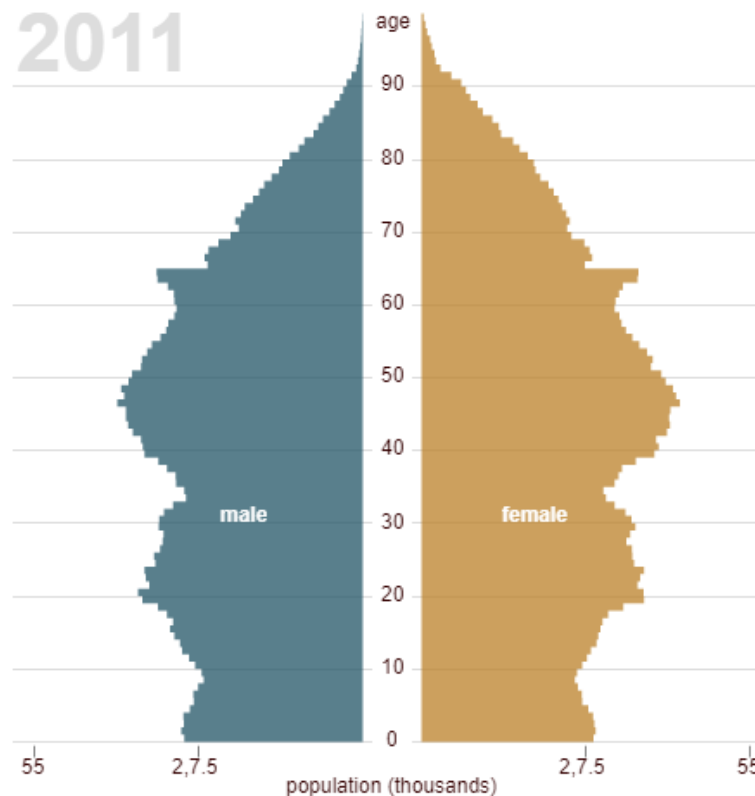
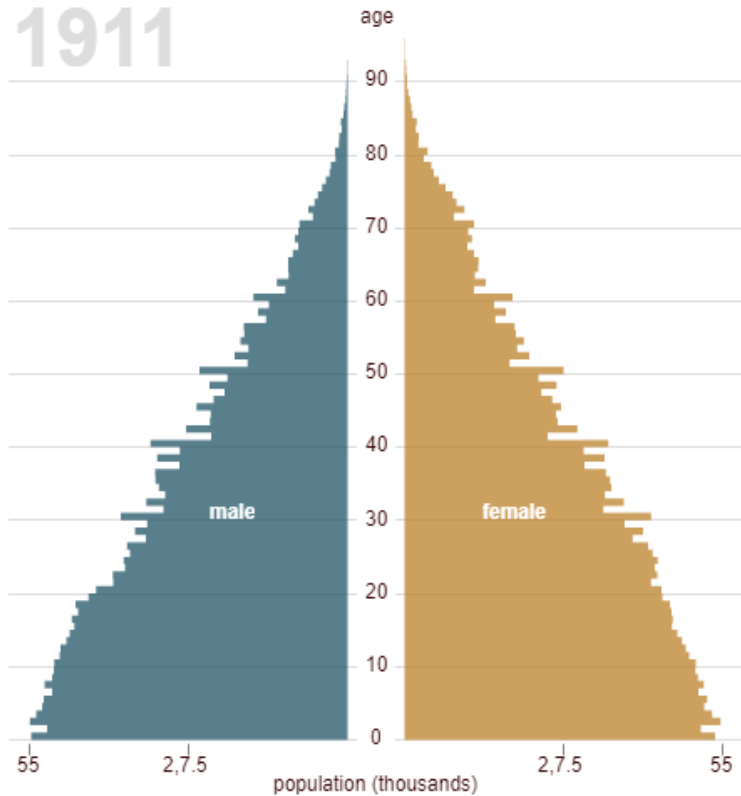


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Scotland's population by age group: comparing 1911 and 2011

These two 'Population Pyramids' show that Scotland's population aged between 1911 and 2011. In those 100 years, the proportion of people aged 65 or over increased from 5% to 17%.

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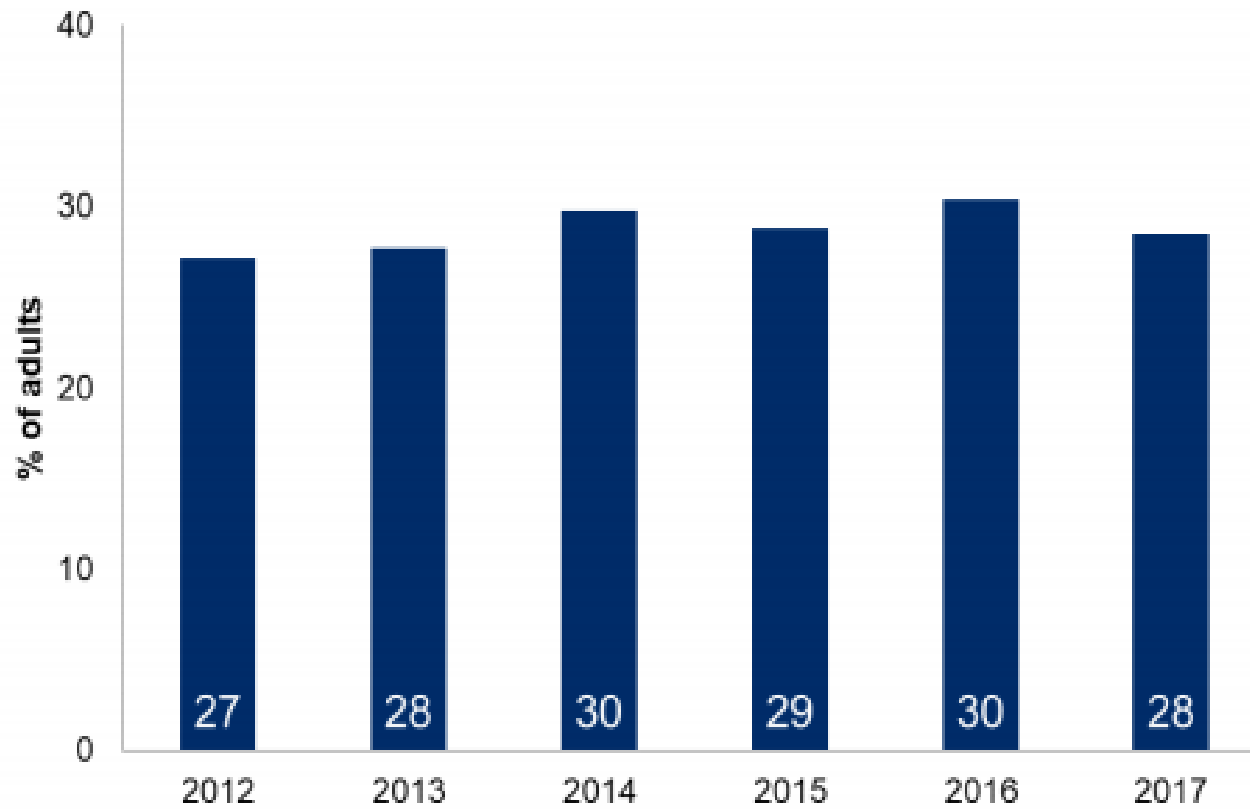
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Figure 2.1: Long-term physical or mental health condition of adults by year
2012 – 2017, Adults dataset (minimum base: 3,200)



Health and well-being in Scotland

According to the Scottish Household Survey (SHS), ‘in 2017, over a quarter of adults (28%) reported a long-term physical or mental health condition, a similar proportion as in 2012 (27%)’.

Source: <https://www.gov.scot/publications/scotlands-people-annual-report-results-2017-scottish-household-survey/pages/14/>

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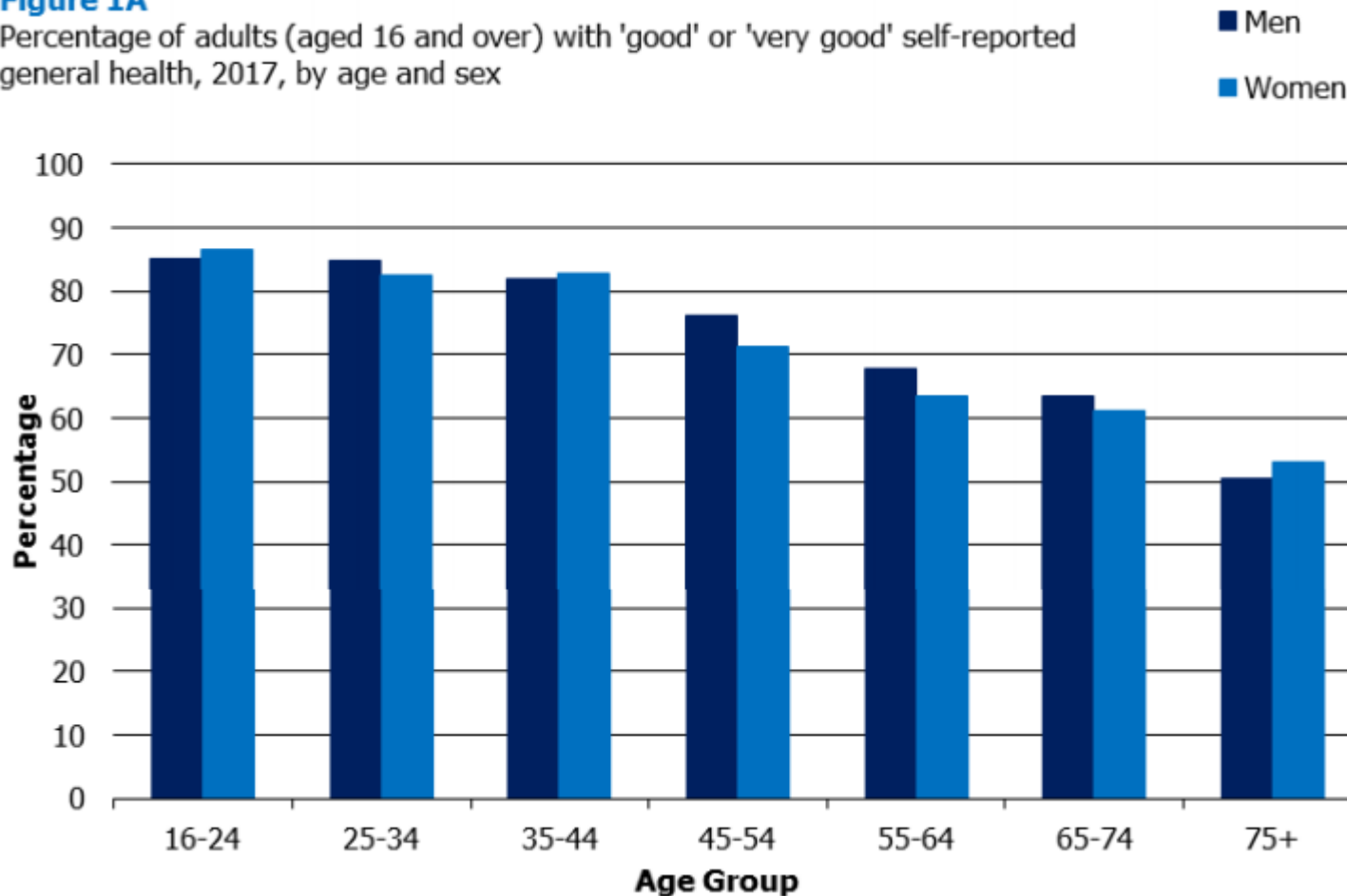


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Figure 1A

Percentage of adults (aged 16 and over) with 'good' or 'very good' self-reported general health, 2017, by age and sex



Health and well-being in Scotland

Most adults who were surveyed in the Scottish Health Survey in 2017 reported being in 'good' or 'very good' health. The percentage of people reporting good or very good health decreases by age. People in the oldest age group are the least likely to report good or very good health.

Source: <https://www.gov.scot/publications/scottish-health-survey-2017-volume-1-main-report/>

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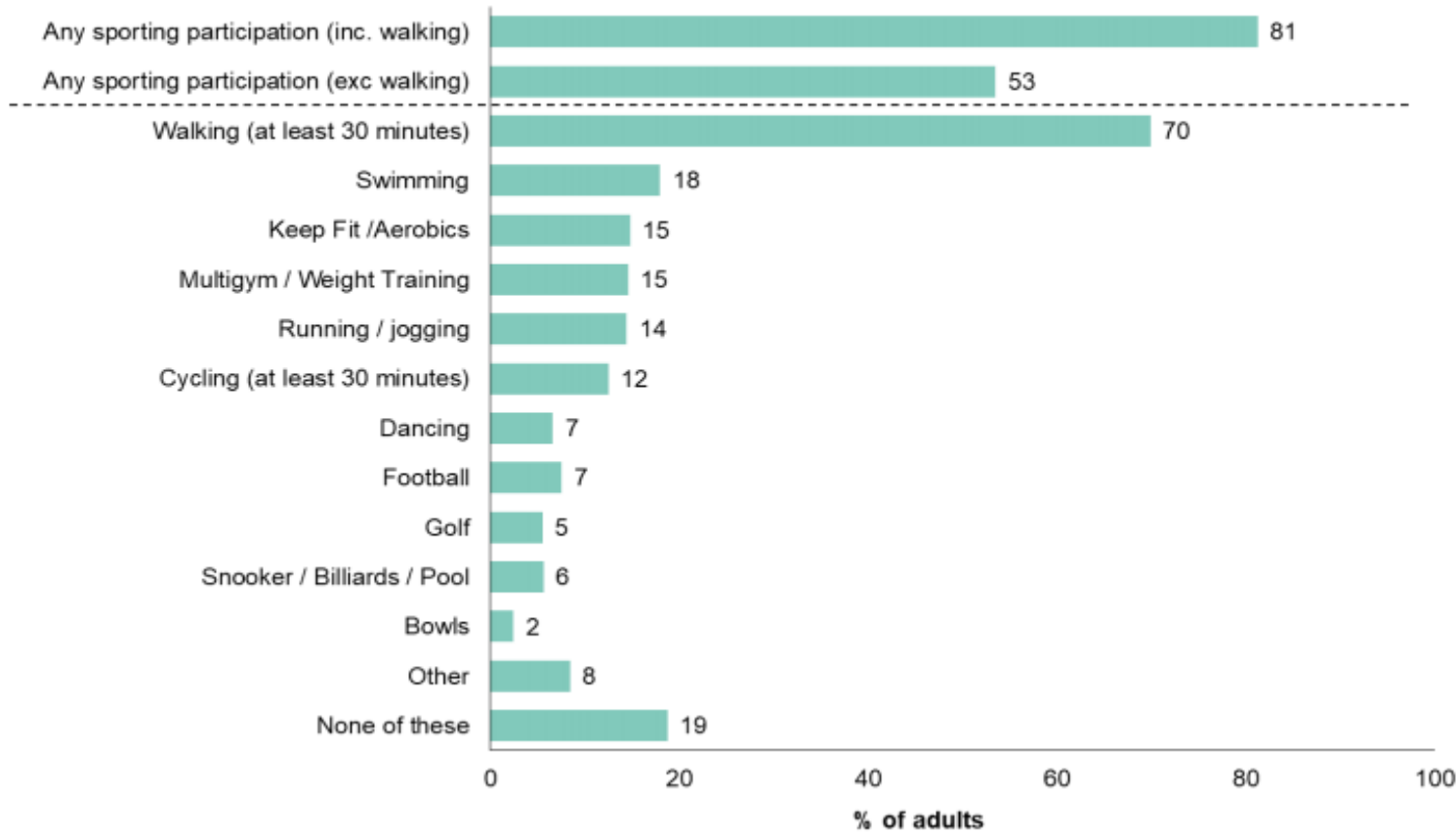
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Figure 8.1: Participation in physical activity and sport in the last four weeks
Percentage of adults (base: 9,810)



Health and well-being in Scotland

In 2017, 81% of adults in the Scottish Households Survey participated in physical activity in the four weeks leading to their interview.

Source: <https://www.gov.scot/publications/scotlands-people-annual-report-results-2017-scottish-household-survey/pages/14/>

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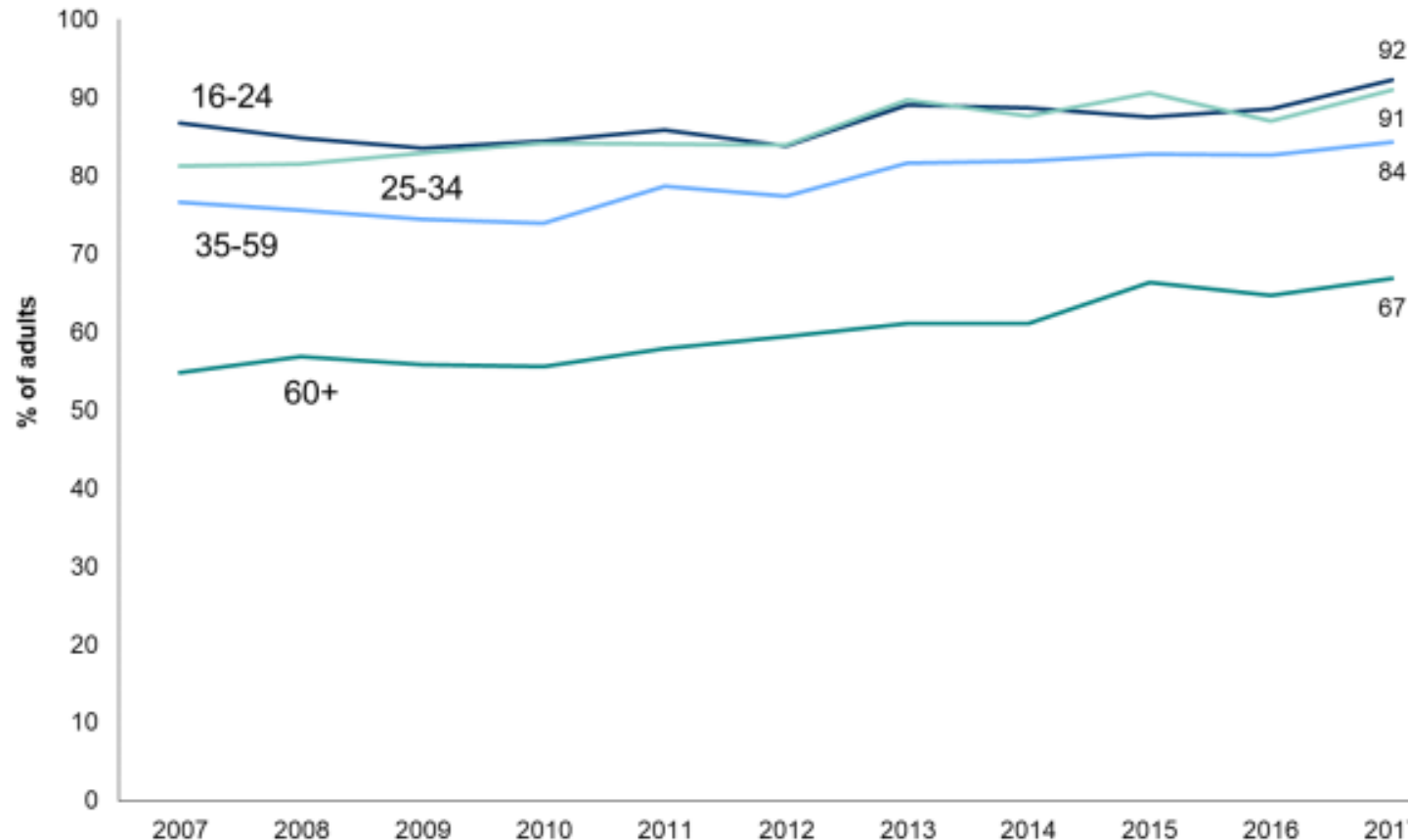


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Figure 8.4: Trends in participation in physical activity and sport (including walking) in the last four weeks by age

Percentage of adults, 2007 to 2017 data (minimum base: 650)



Health and well-being in Scotland

Younger people are more likely to participate in physical activity than older people. Participation rate in physical activity has slightly increased between 2007 and 2017.

Source: <https://www.gov.scot/publications/scotlands-people-annual-report-results-2017-scottish-household-survey/pages/14/>

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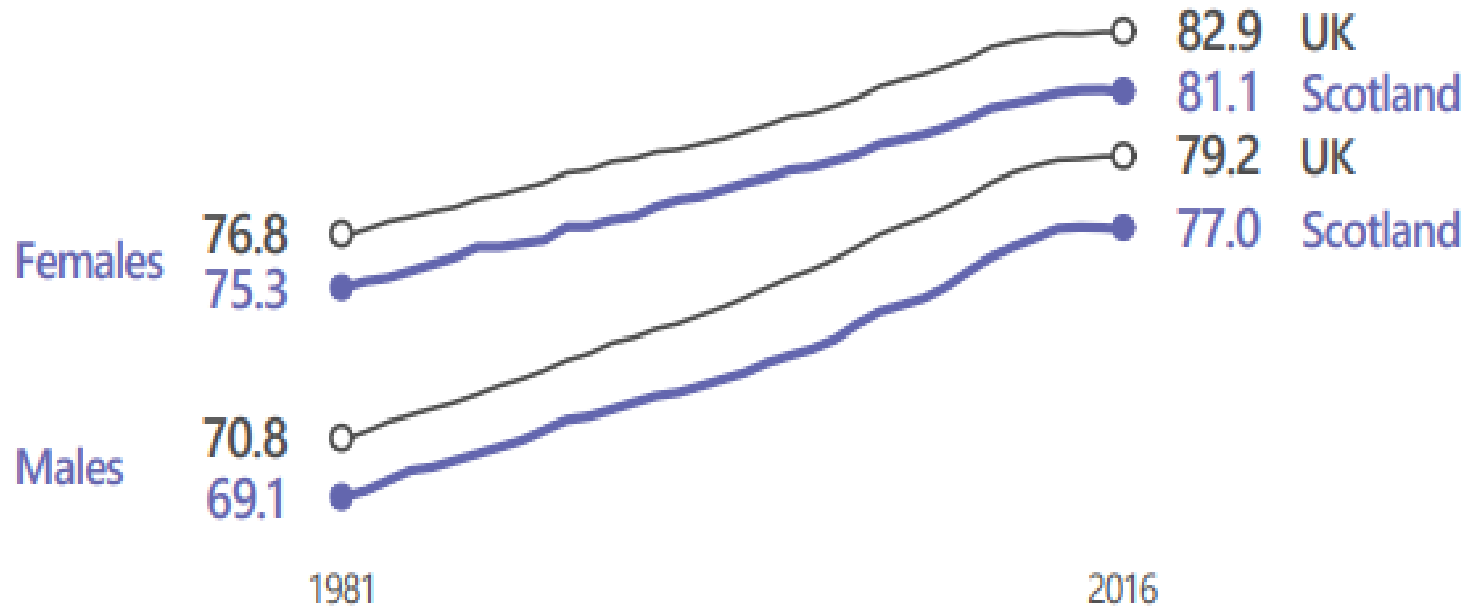
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Life expectancy at birth (years)



Life expectancy

People in Scotland are expected to live longer than ever before. A baby boy born between 2015 and 2017 is expected to live to see his 77th birthday. A baby girl born in those years is expected to live just over 81 years. On average, people in Scotland have longer life expectancy than people in the rest of the UK.

Source: <https://www.nrscotland.gov.uk/files//statistics/nrs-visual/life-nat-tabs-15-17/nat-life-tabs-15-17-info.pdf>

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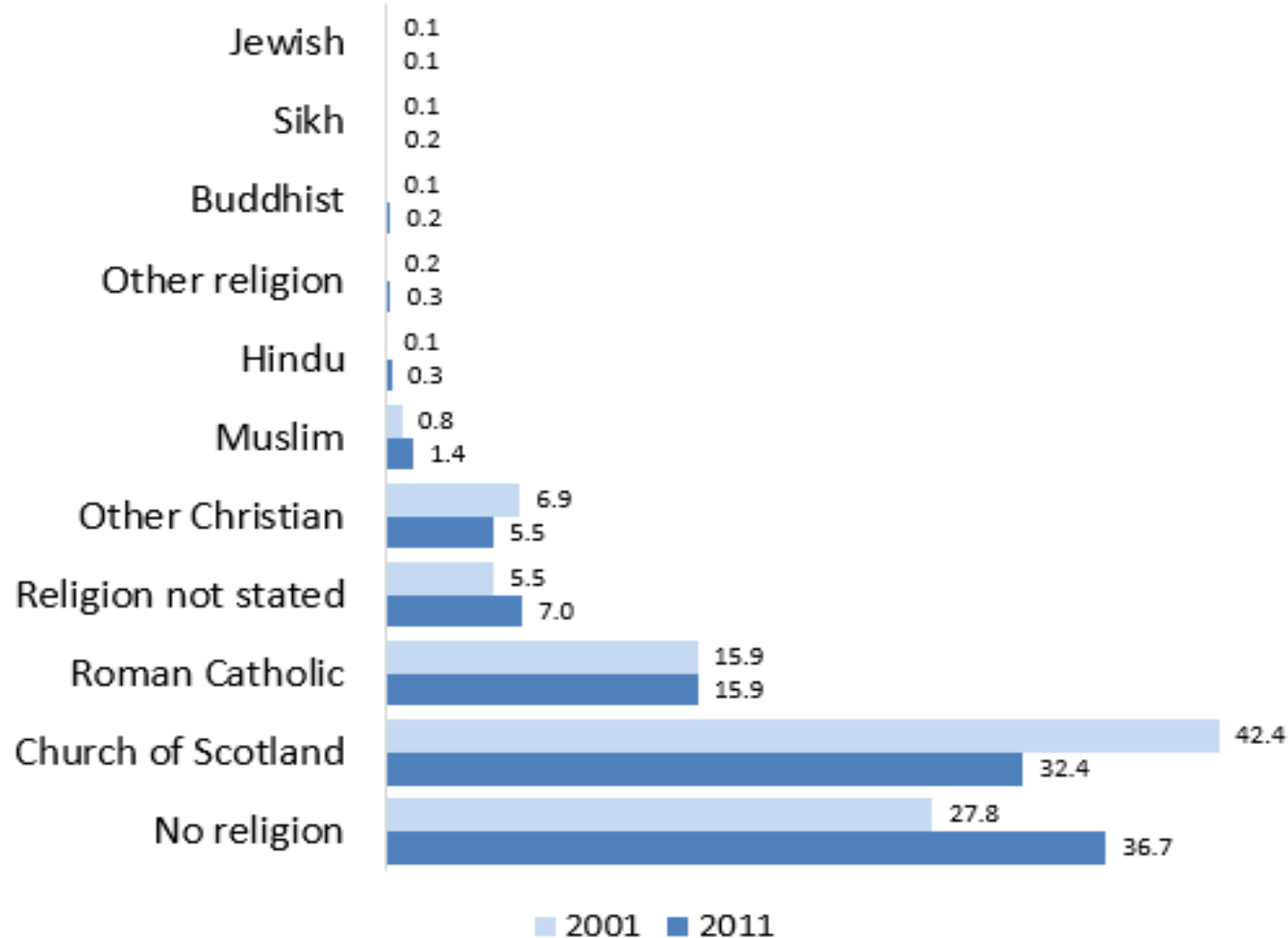
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Religion in Scotland, change between 2001 & 2011 (percentages)



Religion in Scotland

In 2001 and again in 2011, most people in Scotland identified themselves as Christians.

Source: adapted from

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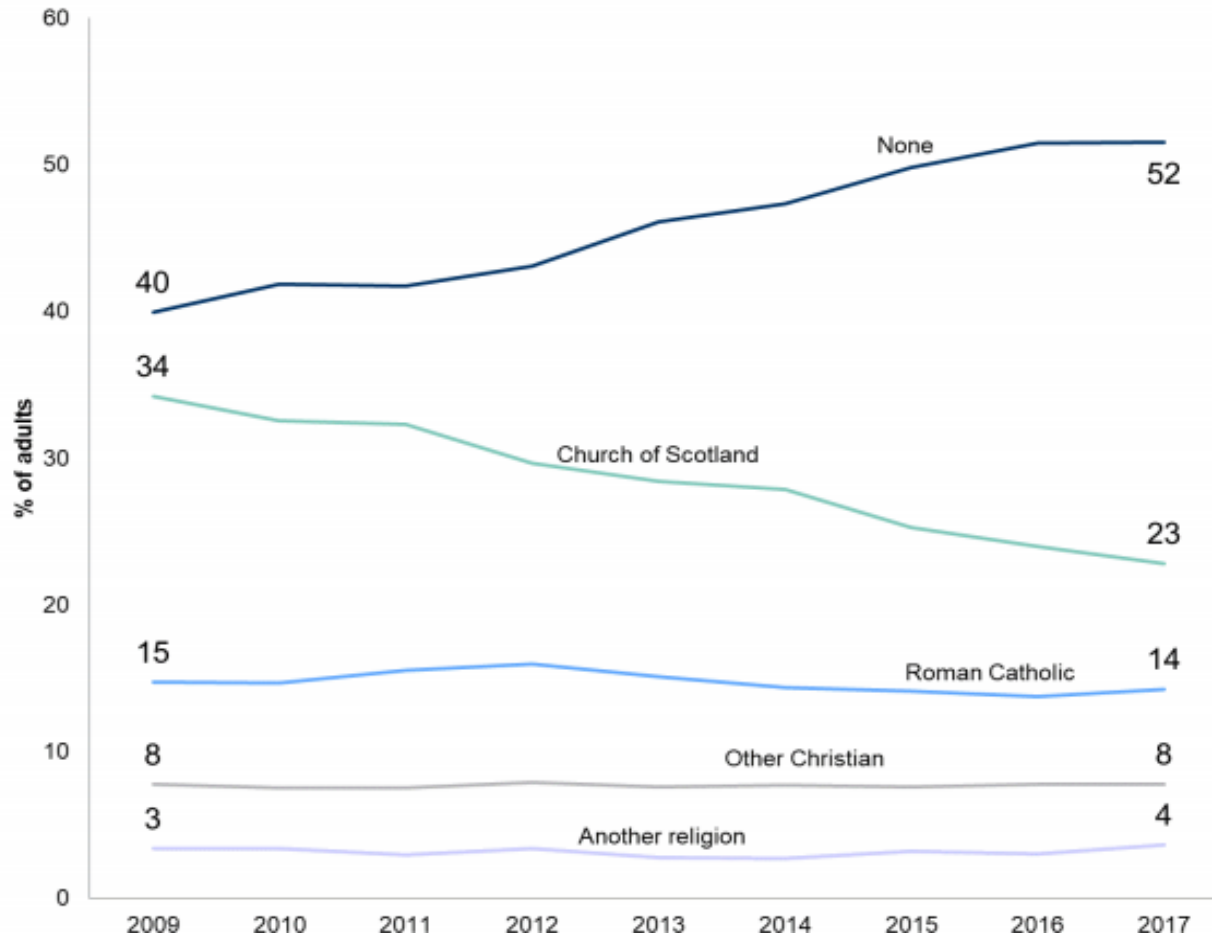
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Figure 2.3: Religious belonging of adults by year
2009 - 2017 data, Adults dataset (minimum base: 9,410)



Religion in Scotland

Religious affiliation in Scotland has changed between 2009 and 2017. In those eight years, the proportion of people who stated they do not belong to any religion increased from 40% to 52%.

Source: <https://www.gov.scot/publications/scotlands-people-annual-report-results-2017-scottish-household-survey/pages/14/>

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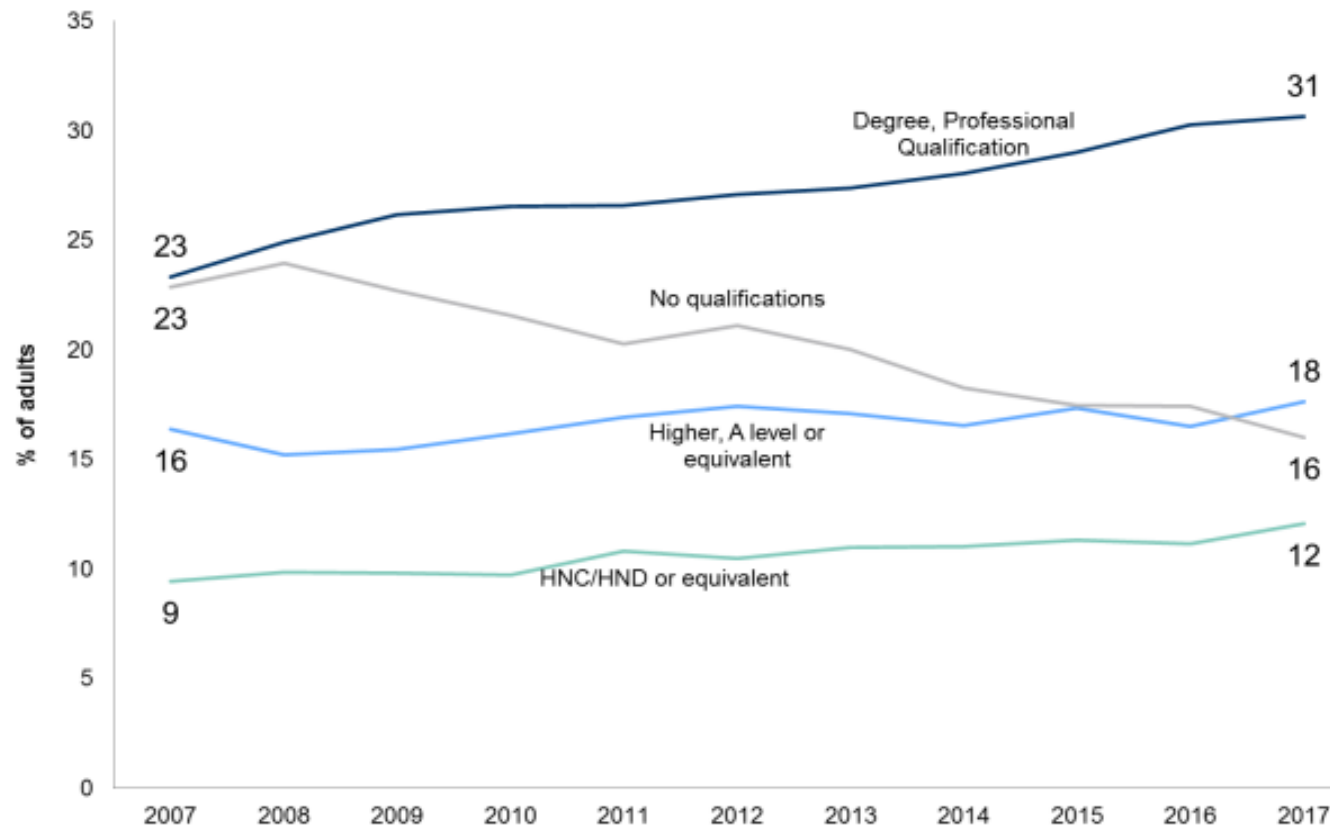
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Figure 5.2: Highest level of qualification held by adults aged 16 and over, over time
2017 data, Adults (base: 9,810)



Education in Scotland

Scotland's population became more highly educated between 2007 and 2017. In those 10 years, the proportion of people with either a degree or a professional qualification increased from 23% to 31%.

Source: <https://www.gov.scot/publications/scotlands-people-annual-report-results-2017-scottish-household-survey/pages/14/>

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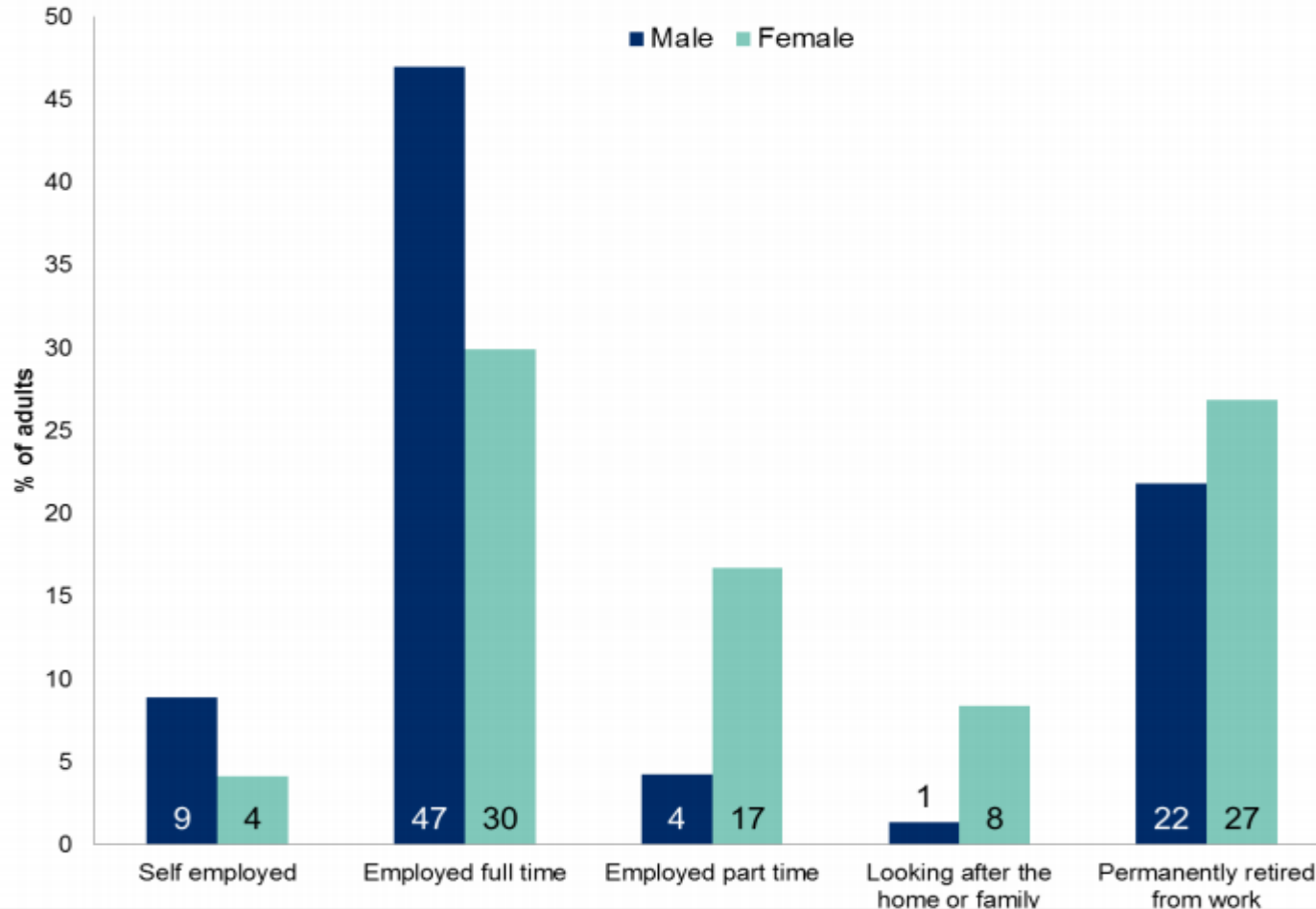
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Figure 5.3: Current economic situation of adults aged 16 and over by gender
2017 data, Adults (min base: 4,540)



Economic activity

In 2017, 47% of men and 30% of women were in full-time employment. A higher proportion of women than men were in part-time employment or looking after the home or family.

Source: <https://www.gov.scot/publications/scotlands-people-annual-report-results-2017-scottish-household-survey/pages/14/>

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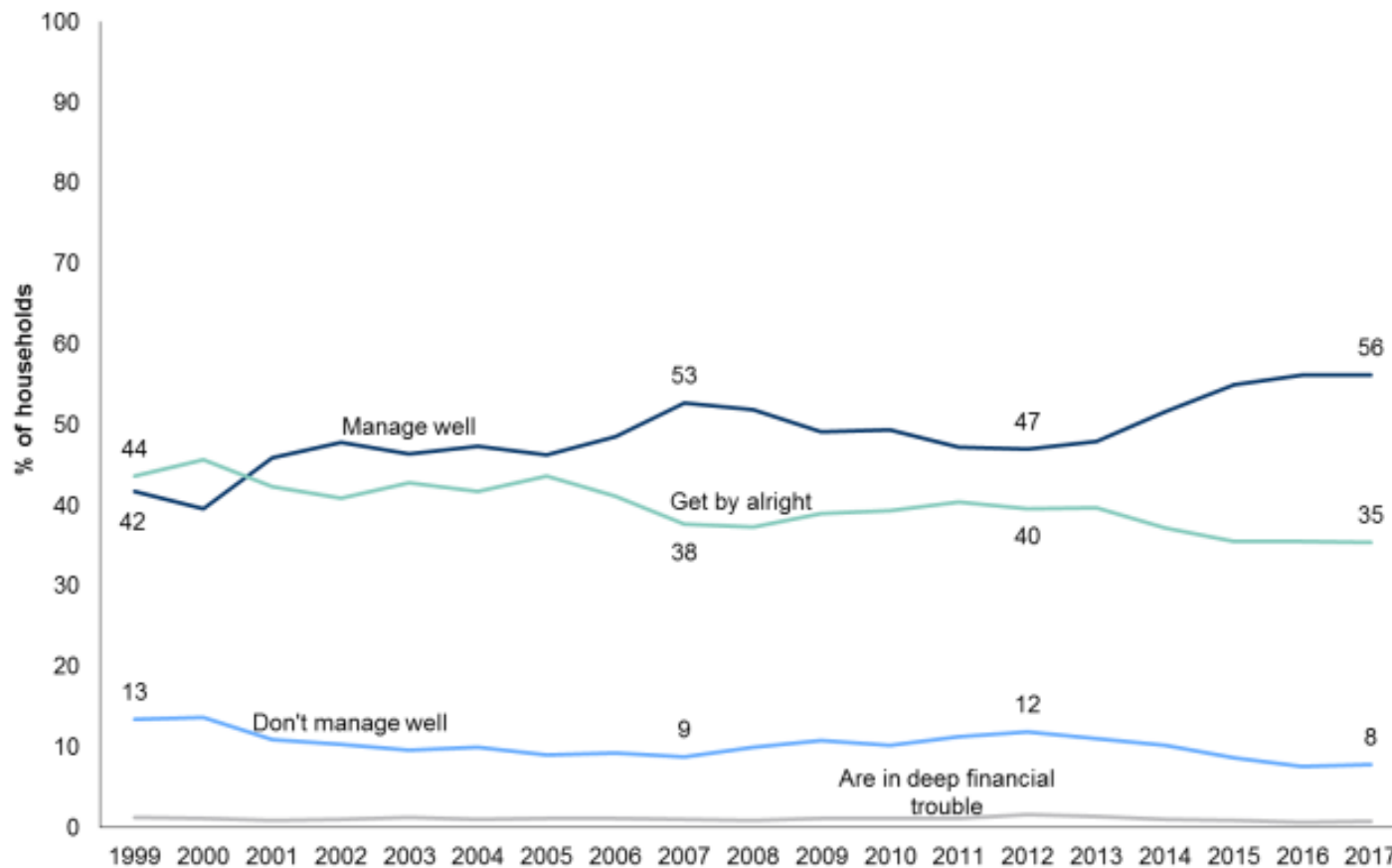
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Figure 6.1: How households are managing financially by year
1999-2017 data, Households dataset (minimum base: 3,660)



Economic activity

The majority of households in Scotland are managing well financially. The proportion of households reported being managing well increased from 42% in 1999 to 56% in 2017.

Source: <https://www.gov.scot/publications/scotlands-people-annual-report-results-2017-scottish-household-survey/pages/14/>

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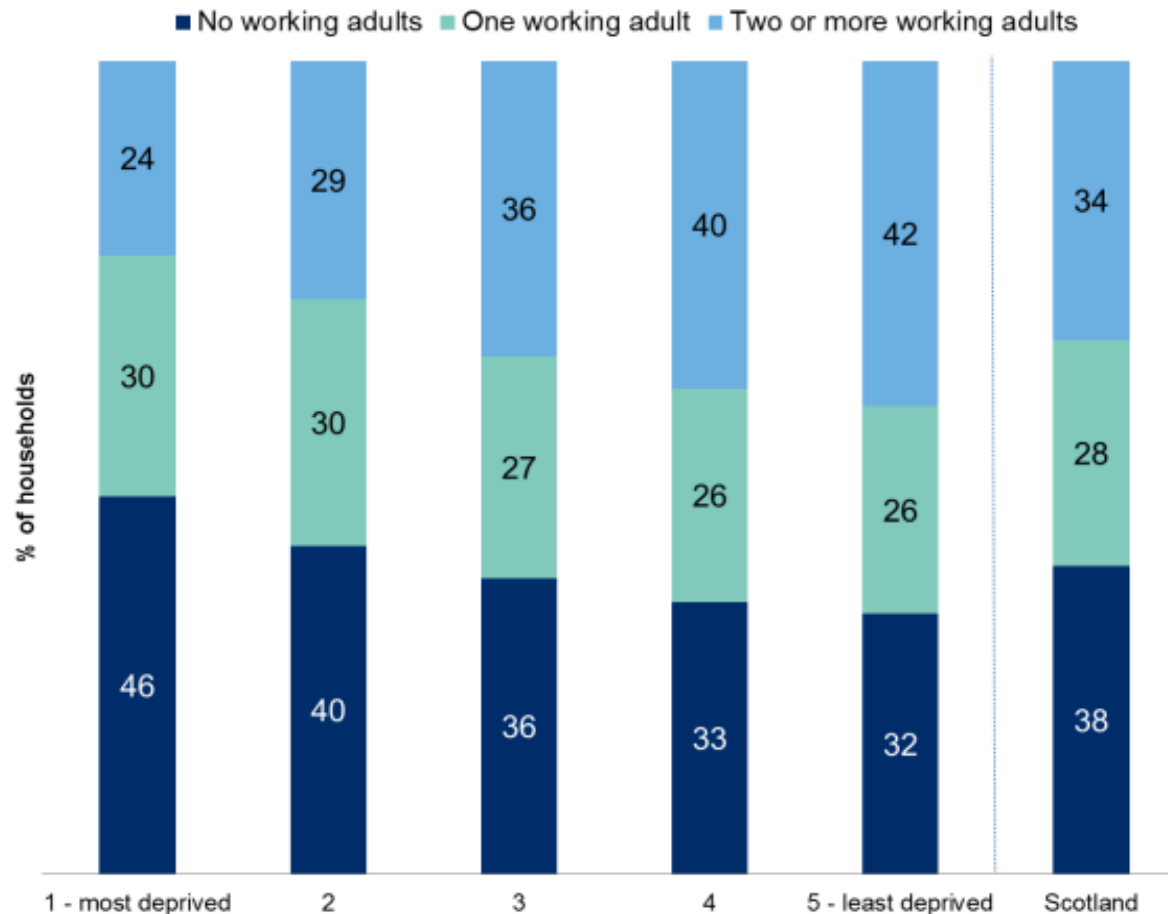
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Figure 5.7: Number of adults aged 16 and over in paid employment by Scottish Index of Multiple Deprivation
2017 data, Households (minimum base: 1,980)



Economic activity

This stacked bar chart shows that geographical deprivation in Scotland is linked to paid employment. In the least deprived areas, 42% of households include two or more working adults, compared to 24% in the most deprived areas.

Source: <https://www.gov.scot/publications/scotlands-people-annual-report-results-2017-scottish-household-survey/pages/14/>

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Ch1. Median weekly household income



Economic activity

The median weekly household income in Scotland increased slowly since the 2008 global economic crisis and following the worldwide recession. A median household income of £485 means that half of the households' in Scotland have income that is equal to, or below £485.

Source: <https://www.gov.scot/publications/poverty-income-inequality-scotland-2014-17/pages/3/>

Click to watch:
Income inequality in
the UK
(3:37 min)

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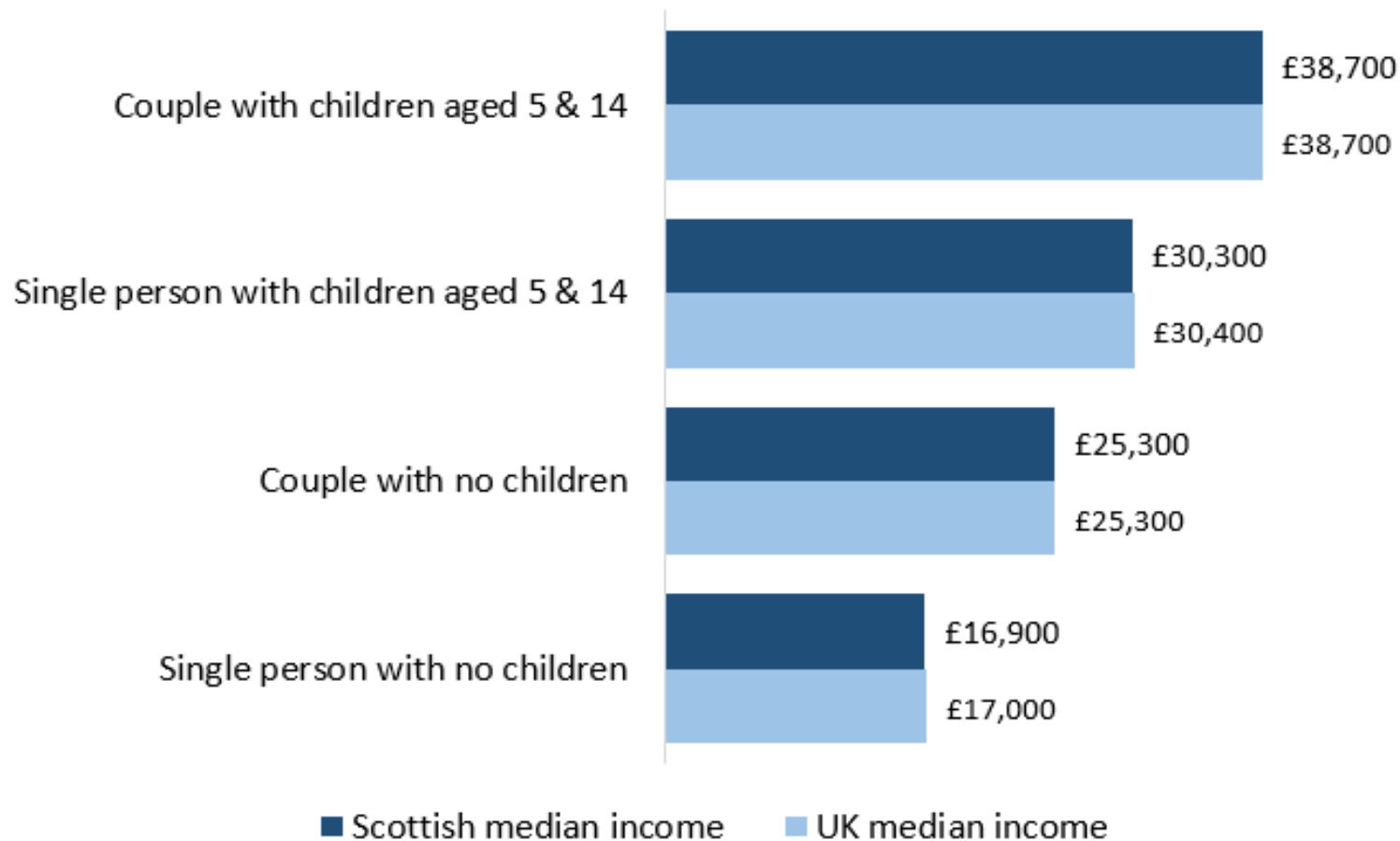
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Median income for different household types 2014-2017



Economic activity

Between 2014 and 2017, the median annual household income in Scotland for a couple with two children was £38,700. The median annual income for a single person with no children was £16,900.

Source: adapted from <https://www.gov.scot/publications/poverty-income-inequality-scotland-2014-17/pages/3/> (before housing costs)

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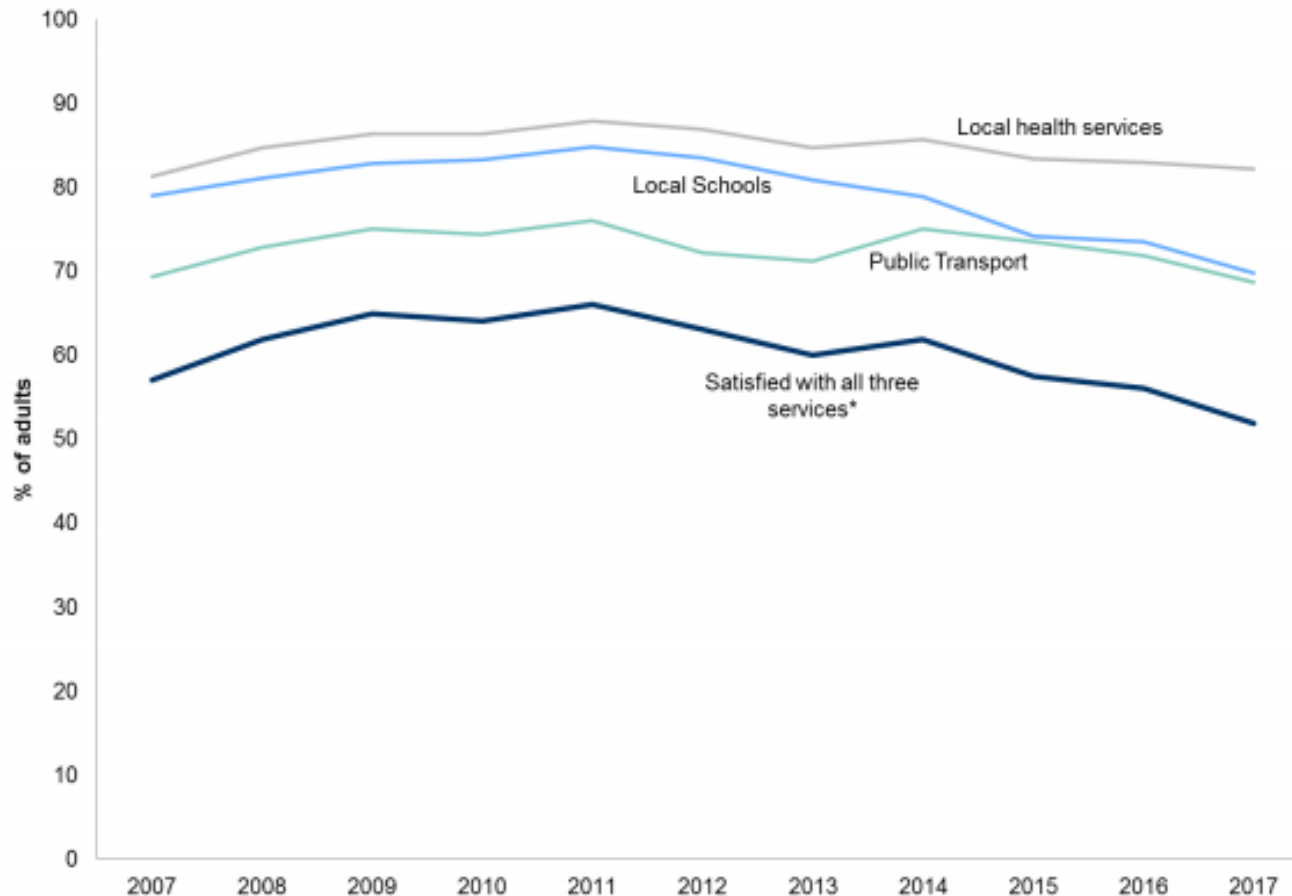
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Figure 9.1: Percentage of people very or fairly satisfied with the quality of public services delivered (local health services, local schools and public transport) by year 2007 - 2017 data, Adults (min base: 5,000)



Public services and voluntarism

Adults in Scotland tend to be most satisfied with local health services.

Overall, between 2014 and 2017, the level of satisfaction with three important public services (health, schools, transport) has declined slightly.

Source: <https://www.gov.scot/publications/poverty-income-inequality-scotland-2014-17/pages/3/>

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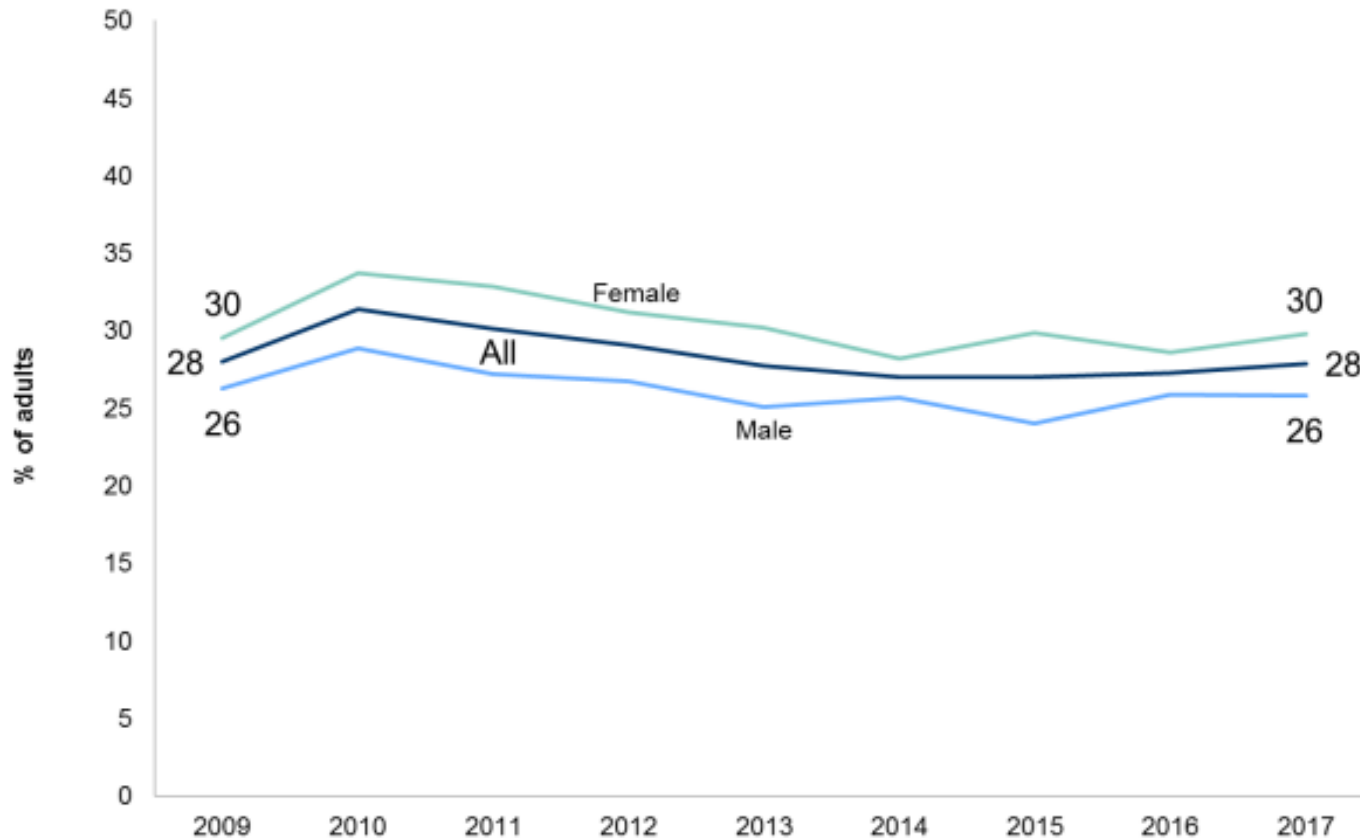


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Figure 11.1: Percentage providing unpaid help to organisations or groups in the last 12 months by gender

2009-2017 data, Adults (minimum base: 2,450)



Public services and voluntarism

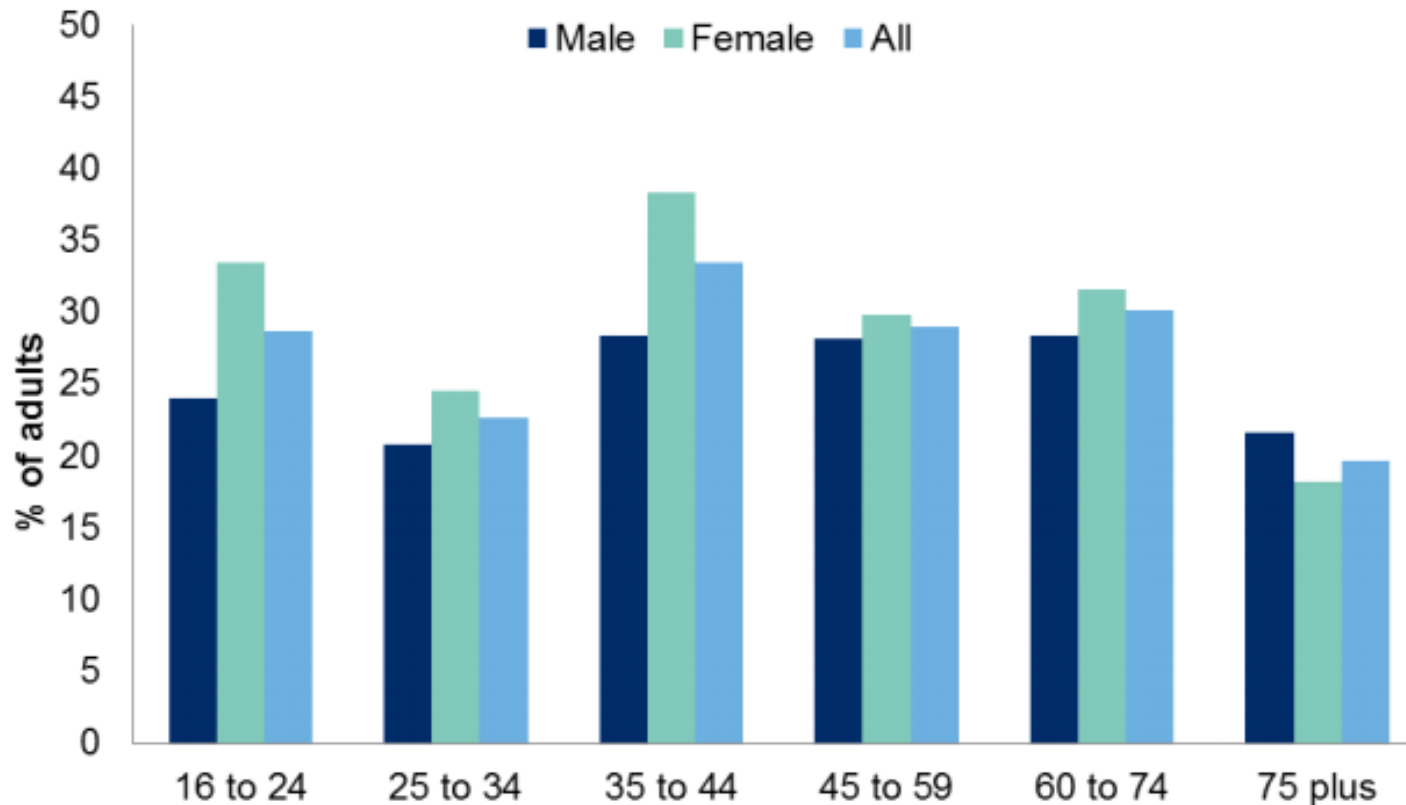
The percentage of adults who
volunteer in Scotland remained
stable between 2009 and 2017.

Women are slightly more likely
to volunteer than man.

Source: <https://www.gov.scot/publications/poverty-income-inequality-scotland-2014-17/pages/3/>

Figure 11.2: Percentage providing unpaid help to organisations or groups in the last 12 months by age within gender

2017 data, Adults (minimum base: 650)



Public services and voluntarism

Adults aged 25 to 34 years and those aged 75 or over are less likely to volunteer than adults in other age groups.

Source: <https://www.gov.scot/publications/poverty-income-inequality-scotland-2014-17/pages/3/>

What is the Q Step Academy?

The Q Step Academy is a partnership between the Edinburgh Q Step Centre and schools in Edinburgh and the city region. This partnership will provide free training and resources on statistical literacy for staff and pupils in the Social Sciences.

What will the Academy do?

The Q-Step Academy aims to raise the profile of social statistics and data literacy within schools. It will work in collaboration with teachers, delivering masterclass sessions to pupils and creating resources which link to the curriculum.

How can your school get involved?

We are looking to develop links with schools in the future, if you would like more information, please get in touch by emailing us: qstepacademy@ed.ac.uk or visit: www.q-step.ed.ac.uk



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