

The Households Below Average Income (HBAI) report presents information on UK living standards based on household income measures for the 2018/19 financial year. Estimates are provided for average incomes, income inequality, and for the number and percentage of people living in low income households. Please note that comparisons between years are generally made using percentages rounded to the nearest percentage point for each year. Changes are not statistically significant unless stated.

Main stories

- Median household income before housing costs (BHC) decreased slightly between 2017/18 and 2018/19 and was flat after housing costs (AHC).
- Income inequality BHC and AHC remained similar to the levels seen since 2010/11, in turn slightly lower than the levels around the 2008/09 UK economic recession.
- Absolute low income AHC for the overall population rose slightly in the latest year - from 19% to 20% according to the rounded percentages – although the rise is less than 0.5 percentage points using the unrounded data. All other measures of low income remained the same.

Household Income

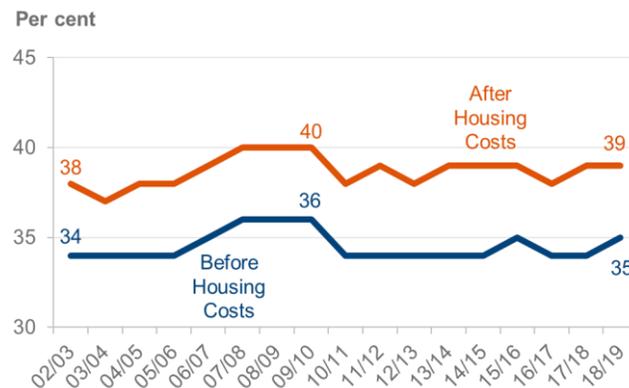
Average decrease to £514 (BHC) in 2018/19



Between 2017/18 and 2018/19, average (median) household net disposable income BHC decreased slightly in real terms (i.e. taking account of inflation). AHC remained flat in real terms. Since their lows in 2011/12, incomes BHC and AHC have both increased by around £35 per week.

Income Inequality

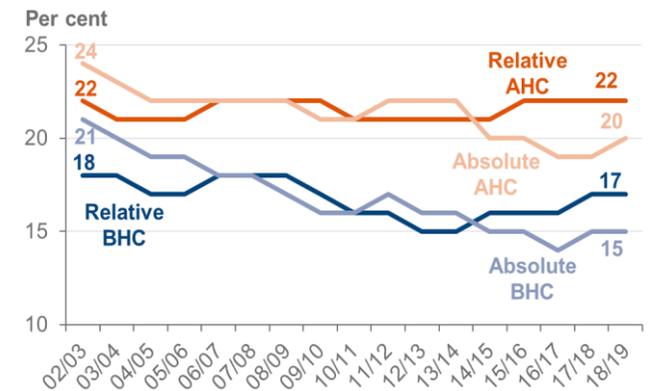
Gini increase BHC and flat AHC



The Gini coefficient, ranging from 0% (low) to 100% (high), measures income inequality. The Gini coefficient has been broadly flat BHC and AHC since 2006/07, currently 35% BHC and 39% AHC. Looking at the unrounded data, both are increases of over 0.5 percentage points on 2017/18, although only the BHC figure rises plotting the rounded percentages.

Low Income Measures

Absolute AHC rose in 2018/19, while other measures remained stable



The percentage of individuals in relative low income has risen since around 2013/14 both BHC and AHC, however both were stable this year. Absolute low income has fallen over the same period BHC and AHC, although AHC has risen this year from 19% to 20% on the rounded percentages (less than 0.5 percentage points on unrounded data).

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Comments? Feedback is welcome

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What you need to know

HBAI is the foremost source for data and information about household income and inequality in the UK. Users include central Government, local authorities, academics, journalists and the voluntary sector. It meets DWP's statutory obligation to publish a measure of relative and absolute low income, and low income and material deprivation for children under section 4 of the [Welfare Reform and Work Act 2016](#).

Income measures

HBAI estimates incorporate widely-used international standard measures of low income and inequality. The primary measure used in HBAI is equivalised disposable household income adjusted for household composition (called equivalisation), estimated on both a before and after housing costs basis (BHC and AHC). Our main income measure includes contributions from earnings, state support, pensions, and investment income among others, and is **net** of tax.

HBAI uses this equivalised disposable household income as a proxy for living standards. A household is said to be in relative low income if their equivalised income is below 60 per cent of median income, while they are in absolute low income if their equivalised income is below 60 per cent of the 2010/11 median income adjusted for inflation.

In line with international best practice, the income measures used in HBAI are subject to several statistical adjustments and, as such, are not always directly relatable to income amounts as they might be understood by people on a day-to-day basis. These adjustments, however, allow us to compare measures over time and across households of different sizes and compositions on a consistent basis.

HBAI uses variants of CPI inflation when estimating how incomes are changing in real terms over time. For further information, see the HBAI Quality and Methodology Information Report.

Survey data

Estimates are based on the Family Resources Survey, which has a sample of over 19,000 UK households. Use of survey data means results in this report are subject to uncertainty which can affect how changes should be interpreted, especially in the short term. Latest estimates should be considered alongside long-term patterns. **Analysis at geographies below the regional level is not available from this data.**

Statistical significance is a technical concept that says whether a reported change is likely to have arisen only by chance due to variations in the sampling. We calculate 95% **confidence intervals** around estimates in HBAI which sets a standard that, where any change is reported as statistically significant, there is less than a 1 in 20 chance that the reported difference is due to sampling variation and there is actually no real underlying change. Changes are *not* statistically significant unless highlighted by an asterisk (*). **The reported change between two years in the supporting tables may not equal the difference between the rounded numbers for those years. This is because we round at the final point in any calculation.**

Additional tables and data

A large number of ODS supporting tables are available online, breaking down results presented in this report for different demographic characteristics. Results are available for most series back to 1994/95.

<https://www.gov.uk/government/statistics/households-below-average-income-199495-to-201819> (see Directory of Tables link on this webpage to locate tables referenced in the following pages and to generally find the desired tables).

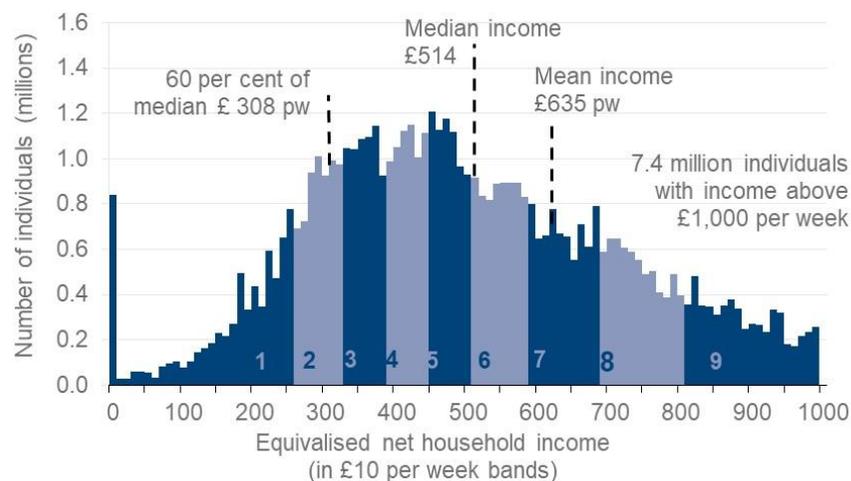
UK-level HBAI data is available from 1994/95 to 2018/19 on the [Stat-Xplore online tool](#). You can use Stat-Xplore to create your own HBAI analysis.

The source data behind these statistics is available for download for further analysis via the UK Data Archive.

The Overall Income Distribution

Distribution of UK household income is skewed with a long right-hand tail of higher incomes. The shape of the overall income distribution evolves slowly over time, with relatively small year-on-year changes.

Income distribution (BHC) for the total population, 2018/19



Annual real terms change in income by quintile, 2018/19 prices



Main Findings

The presence of large numbers of individuals with relatively high incomes results in a skewed or non-symmetric distribution. As a result, the **median** income (**£514 per week**) is the standard measure of average income as changes in the mean can be driven by extreme values. The median represents the income of the individual in the middle of the distribution.

There are a large number of individuals with household incomes around the 60% of median income mark (£308 per week). Those falling below this line are considered to have relative low income. As a result of the clustering around this income level, relatively small movements in the overall distribution can sometimes lead to sizeable movements in this low income measure. See **Table 2.1 BHC** for full data. AHC data is available in **Table 2.1 AHC**.

In 2018/19, the average (median) real terms household income before housing costs **decreased slightly** compared with 2017/18 at £514 per week (around £26,800 per year). Average income after housing costs has remained stable at £447 per week (around £23,300 per year).

Since the current survey series began in 1994/95, there were generally steady increases in real terms income until 2009/10. Following falls in 2010/11 and 2011/12, there were rises until 2016/17. BHC levels in 2018/19 were slightly lower than 2017/18 with AHC levels flat. See **Table 2.1ts Decile** for full data.

2018/19 was a good year in terms of the UK labour market, with employment growing, and earnings growth of 3 per cent exceeding CPI inflation of 2.3 per cent. See **Table 2.1tr** for full data on economic indicators.

Deciles divide the population, when ranked by equivalised household income, into ten equal sized groups, and are indicated by 1 to 10 on the top chart, while quintiles divide the population into five groups.

The shape of the overall income distribution evolves slowly over time.

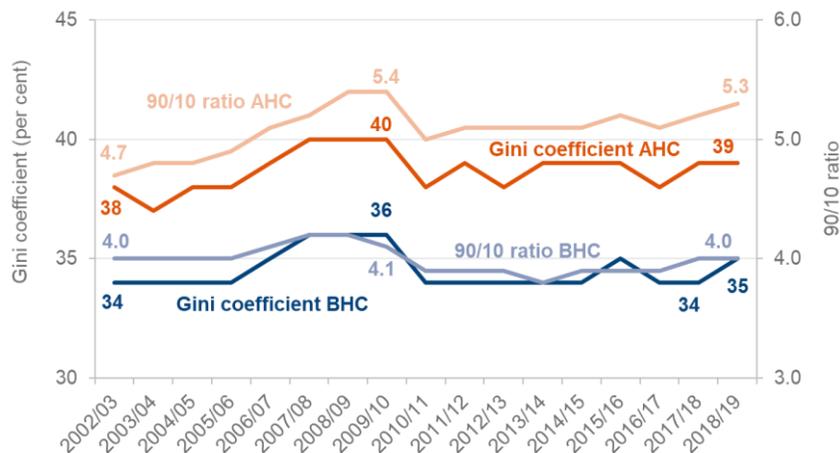
From 2009/10 (the pre-recession median income high) to 2011/12 (when median income stopped falling), median income fell by around 2 per cent in real terms both BHC and AHC. During this period, incomes for those in lower quintiles fell by less, while incomes for those in higher quintiles fell by more. Since 2011/12, growth has been highest in quintiles 2-5. The lower growth in the bottom quintile is partly due to a falling share of income from benefits for this quintile with an increased share from earned income.

See **Table 2.1ts Quintile** for full data

Income Inequality

Income inequality fell between 2009/10 and 2010/11, and has remained broadly flat since then

Measures of inequality, 2002/03 to 2018/19



Interpretation

The **Gini coefficient** is an international standard technical measure of how incomes are distributed across all individuals. It ranges from 0% (when everyone has identical incomes) to 100% (when all income goes to only one person).

Percentiles divide the population, when ranked by household income, into 100 equal sized groups.

The **90/10 ratio** is the income at the 90th percentile divided by the income at the 10th percentile. It is equivalent to the average (median) income of the top 20% (quintile 5) divided by the average income of the bottom 20% (quintile 1). The higher the number, the greater the gap between those with high incomes and those with the low incomes.

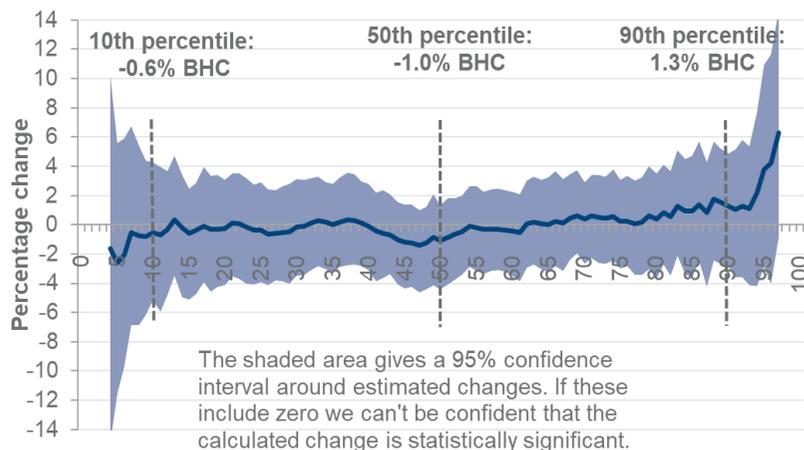
Main Findings

The BHC and AHC Gini coefficients measures continued to be below their recent high point in 2009/10, although there were slight increases across these inequality measures as a whole between 2017/18 and 2018/19.

See **Table 2.1ts** and **2.2ts** for full data

Change in real terms income BHC by percentile, 2017/18 to 2018/19

Percentiles 1-3 and 98-100 are excluded because of large statistical uncertainty.



Interpretation

Looking at changes to incomes by percentile between 2017/18 and 2018/19 allows us to assess how the income for each part of the distribution has changed during this period.

Main Findings

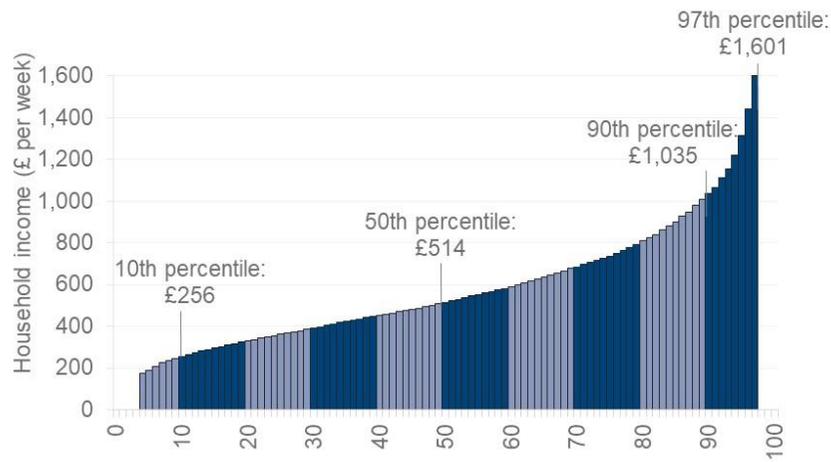
Income changes across the entire distribution were quite muted between 2017/18 and 2018/19, with the largest falls in incomes for those below the 10th percentile and between the 45th and 50th, with these percentiles seeing a reduction of between 0.5 per cent and 2.6 per cent. Outside of these percentiles, percentiles up until the 60th percentile saw changes ranging from a reduction of 1 per cent and an increase of 0.5 per cent.

In 2018/19, those in the 10th and 90th percentiles saw divergences in average household income: those at the 90th percentile saw an increase compared to 2017/18, while the 10th percentile saw a reduction. These changes resulted in a rise in the 90/10 ratio (AHC), which increased between 2017/18 and 2018/19 to 5.3. However, the 90/10 ratio (BHC) remained at 4.0 rounded to 1 decimal place.

See **Table 9.1** for full data.

Those in the top 3 per cent of the income distribution have at least 3 times the income of the average (median) household

Weekly net equivalised household income BHC by percentile 2018/19



Percentiles 1-3 and 98-100 are excluded because of large statistical uncertainty.

Interpretation

Percentiles divide the population, when ranked by household income, into 100 equal sized groups. The chart indicates the amount of weekly net equivalised household income an individual requires to sit at each percentile of the UK income distribution.

Main Findings

Income BHC at the 10th percentile is around half of the median (50th percentile) implying that around 10 per cent of the population have less than half of the median household income BHC.

Incomes increase sharply past the 90th percentile BHC. In 2018/19, income at the 90th percentile is about double that of the median, whilst the top 3 per cent of the population (97th percentile and above) have at least three times that of the median.

See **Table 9.2** for full data.

Annual net equivalent household income BHC by household type at different percentiles of the 2018/19 UK distribution

Percentile	Single individual	Couple with no children	Couple with two children under 14
10th	£8,900	£13,300	£18,700
50th	£17,900	£26,800	£37,500
90th	£36,200	£54,000	£75,600
97th	£55,900	£83,500	£116,900

Interpretation

To create income analysis by percentiles the population is ordered according to their **equivalised** household income. The annual income required to be at a given point in the distribution is therefore different for different household types. See page 13 for more information on equivalisation in HBAI.

Main Findings

Larger families require a higher level of household income to achieve similar 'living standards' (based on a household income measure) to smaller families.

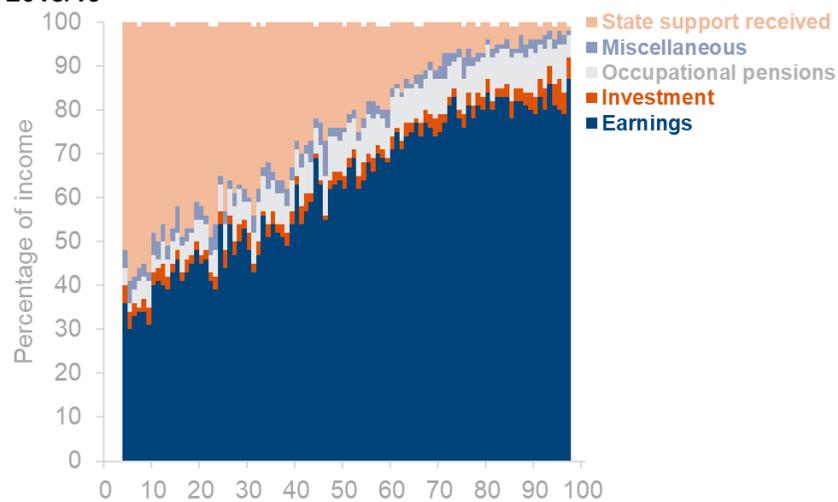
To lie in the top half of the income distribution in 2018/19, a single individual needed a net income over £17,900, compared to a couple with two young children who required a combined net income over £37,500.

In 2018/19, a single individual with an annual net household income of over £36,200 would sit above the 90th percentile in the distribution, implying their income exceeded that of 90 per cent of the UK population. A couple with two children receiving the same level of combined annual net household income would lie just below the middle of the income distribution and be considered to have slightly less than average (median) household income.

Sources of Income

The majority of household income in the UK comes from either earnings or state support

Income sources as a percentage of gross income by percentile, 2018/19



Percentiles 1-3 and 98-100 are excluded because of large statistical uncertainty. Percentages may not always sum to 100% due to rounding.

Interpretation

The charts show the different sources of **gross** income by percentile, ranking the population by income and dividing into 100 equal-sized groups. Income components are all considered before tax (gross). This is therefore a different definition of income from that used elsewhere in the HBAI report.

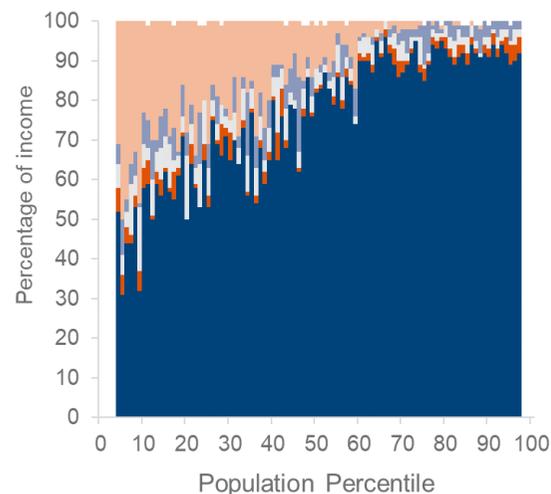
Main Findings

There is a clear pattern of higher income households receiving a large proportion of income from earnings, and lower income households receiving more of their income from state support. In 2018/19:

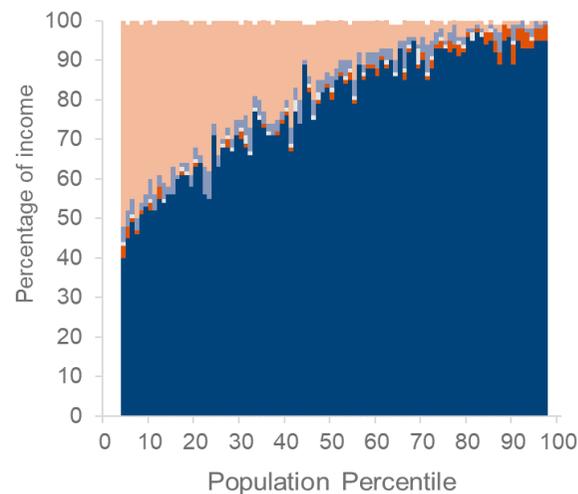
- Earnings account for around a third of gross income for individuals around the 10th percentile compared to around 80 per cent for individuals around the 90th percentile.
- The proportion of household income from earnings exceeds that received from state support for around 75 per cent of the UK population (those above the 25th percentile).
- Households containing only working-age adults receive most of their income from earnings.
- Households containing children have similar income sources as households containing working-age adults only, except state support receipt generally makes up a larger proportion of income due to greater eligibility for state support (including child benefit and tax credits) for this group.
- Households containing pensioners and no children receive around 80 per cent of their income from state support (particularly the state pension) and occupational pensions. Earnings and investments make a larger contribution of approximately 20 per cent or more to income for those in the top sixth of the distribution.

See [Table 9.3](#), [9.4](#), [9.5](#) and [9.6](#) for full data.

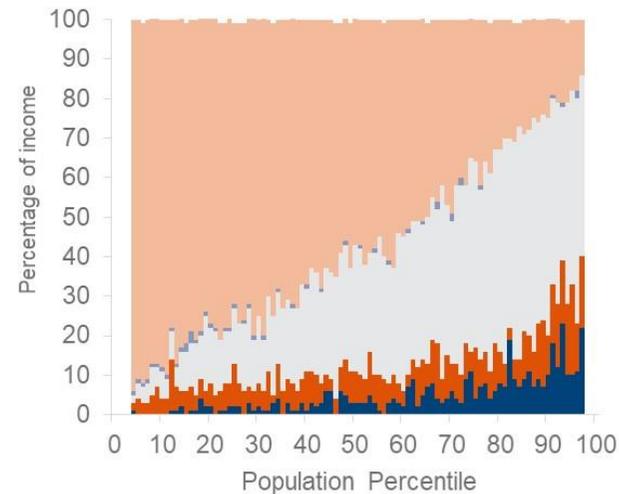
Households containing working-age adults



Households containing children



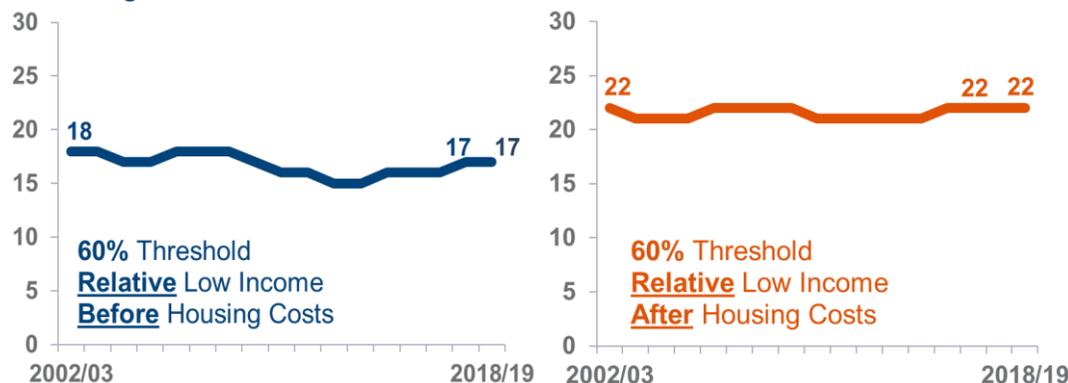
Households containing pensioners and no children



Low-Income Indicators

Absolute low income AHC for the overall population rose slightly in the latest year, all other measures were stable

Percentage of individuals in relative low income

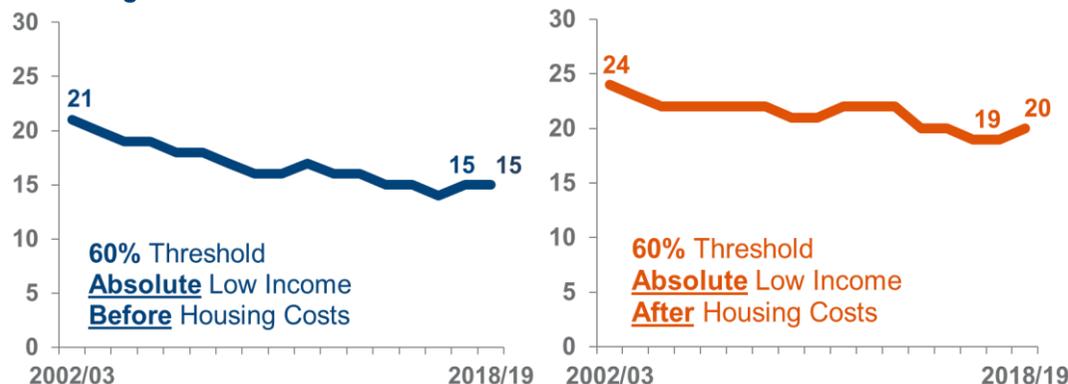


Relative low income sets a threshold as a proportion of the UK average (median) income and moves each year as average income changes. It is used to measure the number and proportion of individuals who have income below this threshold (typically 50, 60 or 70 per cent of the median).

The percentage of individuals in relative low income will **decrease** if:

- Average (median) income stays the same or rises, and individuals with lower incomes see their incomes rise more than the average; or
- Average (median) incomes fall, and individuals with lower incomes see their incomes fall less than average incomes.

Percentage of individuals in absolute low income



Absolute low income takes the 60 per cent of median income threshold from 2010/11 and then fixes this in real terms (i.e. the line moves with inflation). This is designed to assess how low incomes are faring with reference to inflation. It measures the number and proportion of individuals who have incomes below this threshold. Other thresholds are also available (e.g. 50 per cent or 70 per cent of median).

The percentage of individuals in absolute low income will **decrease** if individuals with lower incomes see their incomes rise by more than inflation.

See **Tables 3.1tr and 3.2tr** for full data.

Overall the percentage of individuals in relative low income BHC and AHC remained stable in 2018/19. The percentage of individuals in absolute low income AHC rose slightly, with the percentage in absolute low income BHC remaining stable.

Main Findings

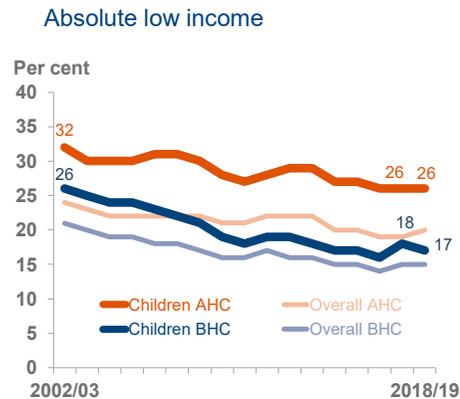
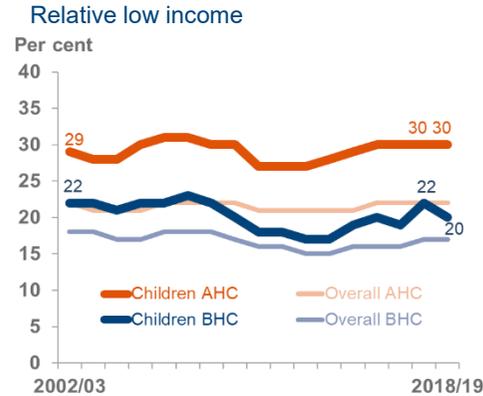
- The percentage of individuals in relative low income BHC has been stable between 2017/18 and 2018/19 at around 17 per cent, and relative low income AHC remained at the previous year's level of 22 per cent.
- Absolute low income BHC was stable at 15 per cent in 2018/19 while absolute low income AHC increased slightly to 20 per cent on the rounded percentages (less than 0.5 percentage points on unrounded data). Both BHC and AHC absolute low income remained below their recent highs in 2011/12.
- Patterns over the past twenty years show how year-on-year changes tend to be relatively modest, with longer-term patterns emerging over time.

Children in Low Income Households

Three low income measures for children from HBAI are included in section 4 of the [Welfare Reform and Work Act 2016](#) – a 60% threshold relative low income measure, a 60% threshold absolute low income measure, and a combined 70% threshold low income and material deprivation measure. See **Tables 4.1tr, 4.2tr and 4.5tr** for full data.

Relative and absolute low income BHC fell, while AHC levels were stable

Percentage of children in low income



Main Findings

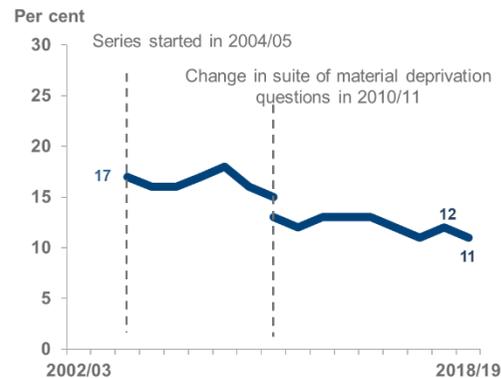
Between 2017/18 and 2018/19, BHC relative low income for children fell, partially reversing the spike in 2017/18, with 2018/19 rates around 2009/10 levels. AHC levels were the same in 2018/19 as 2017/18, following increases since around 2010 and are roughly at levels seen in 2005/06 to 2009/10.

Absolute low income for children BHC fell from 18 per cent to 17 per cent between 2017/18 and 2018/19, while AHC absolute low income has remained stable at 26 per cent. The percentage of children in absolute low income AHC remains at a historic low

Compared to the overall population, children remain more likely to be in low income households.

Low Income and Material Deprivation decreased following an increase in 2017/18

Percentage of children in low income and material deprivation



Interpretation

Child Low Income & Material Deprivation – respondents are asked whether they have access to a list of 21 goods and services. If they can't afford a given item, this is scored in the material deprivation measure, with items more commonly owned in the population given a higher weighted score. A child is considered to be in low income and material deprivation if they live in a family that has a total score of 25 or more out of 100 and an equivalised household income BHC below 70 per cent of median. More details are available in the HBAI Quality and Methodology Information Report.

Main Findings

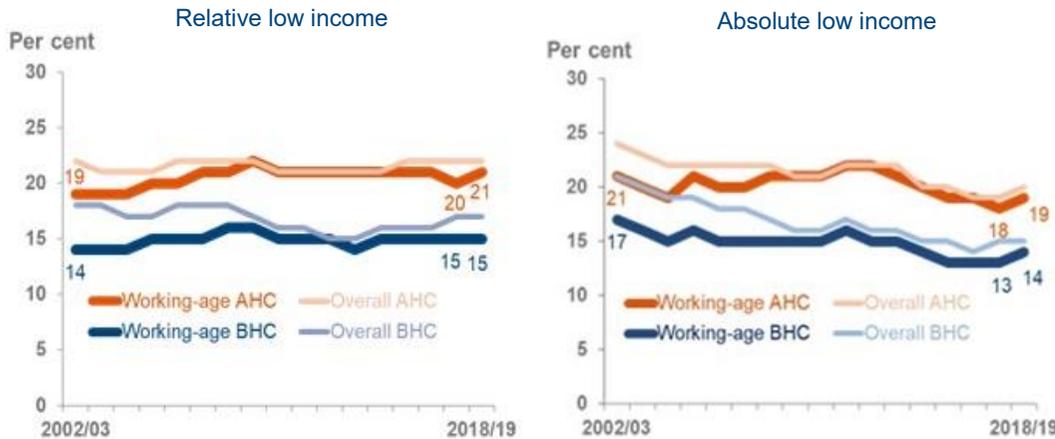
The percentage of children in low income and material deprivation decreased to 11 per cent in 2018/19, however movements since 2010/11 have been small.

Working-age Adults in Low Income Households and Low Income by Work Status

Working-age adults make up around 60 per cent of the UK population – as such changes in income for this group can drive overall results more than changes amongst children and pensioners (with each of these groups making up around 20 per cent of the population). As shown on page 6, this group receive a greater proportion of their income from employment and so their results are more sensitive to changes in the labour market. See Tables 5.1tr, 5.2tr, 5.2ts, 5.5ts, 5.11ts, 4.1ts, 4.6ts and 4.14ts for full data.

Relative low income AHC remained stable, while all other measures rose in 2018/19

Percentage of working-age adults in low income



Main Findings

Low Income Measures

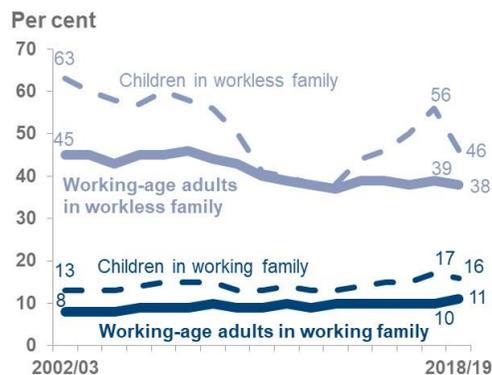
The percentage of working-age adults in relative low income remained stable in 2018/19 at 15 per cent BHC and increased slightly to 21 per cent AHC. Looking further back, BHC and AHC rates have been broadly stable since around 2010/11.

Absolute low income BHC and AHC both increased slightly, to 14 and 19 per cent of working-age adults respectively. This is in contrast to the broadly downwards trend since 2011/12.

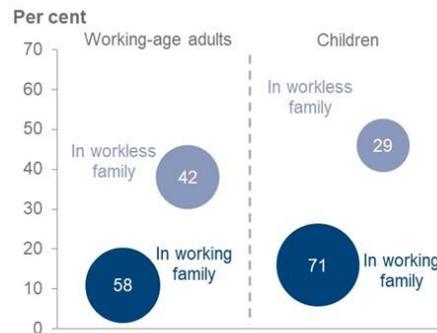
The relative low income figures in 2018/19 are broadly consistent with the stable long-term trends. For absolute low income, the increases of a percentage point both BHC and AHC are the first increases since 2011/12.

Percentage and composition of working-age adults and children in low income by work status

Relative low income, BHC



Relative low income, composition and risk in 2018/19, BHC



In-work Low Income & Composition

Working-age adults and children in working families are much less likely to be in relative low income than those in families where no-one is in work. In 2018/19, 11 per cent of working-age adults in working families were in relative low income BHC compared to 38 per cent in workless families, while 16 per cent of children in working families were in relative low income BHC compared to 46 per cent in workless families.

Although being in work reduces the likelihood of falling below low income measures amongst working-age adults and children, the majority of those in relative low income belong to working families. This is because the great majority of working-age adults and children belong to working families. In 2018/19:

- Overall, 33.1 million working-age adults were in **working** families, and 6.8 million working-age adults were in **workless** families. 11 per cent of 33.1 million is greater than 38 per cent of 6.8 million, meaning overall 58 per cent of all working-age adults in low income were in working families.
- Overall, 12.2 million children were in **working** families, and 1.8 million children were in **workless** families. 16 per cent of 12.2 million is over twice the size of 46 per cent of 1.8 million, meaning overall 71 per cent of all children in low income were in working families.

The size of the bubble shows the share of those in low income in each group. For instance, looking at the lowest bubble shows that 11% of working-age adults in working families were in low income BHC (shown by the level of the centre of the bubble), however of all working-age adults in low income, 58% were in a working family (shown by the size of the bubble).

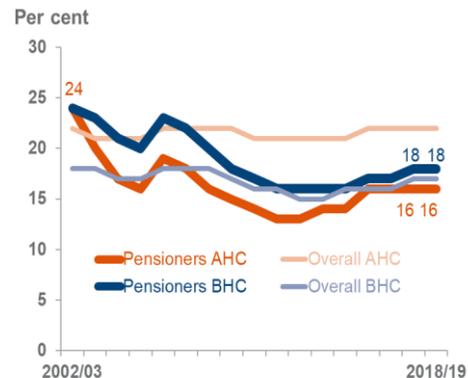
Pensioners in Low Income Households

Around three-quarters of pensioners live in homes that are owned outright (compared to roughly 1 in 5 of the working-age population), and so face minimal housing costs. This means the proportion of pensioners in low income households tend to be lower AHC than BHC, unlike for children and working-age adults. We also estimate a broader material deprivation measure for pensioners. See **Tables 6.1tr, 6.2tr, and 6.7tr** for full data.

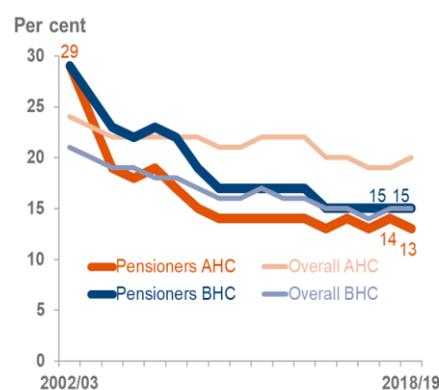
Relative low income for pensioners has been increasing since around 2012/13, absolute low income has been broadly flat since 2014/15 BHC or 2009/10 AHC

Percentage of pensioners falling below headline low income indicators

Relative low income

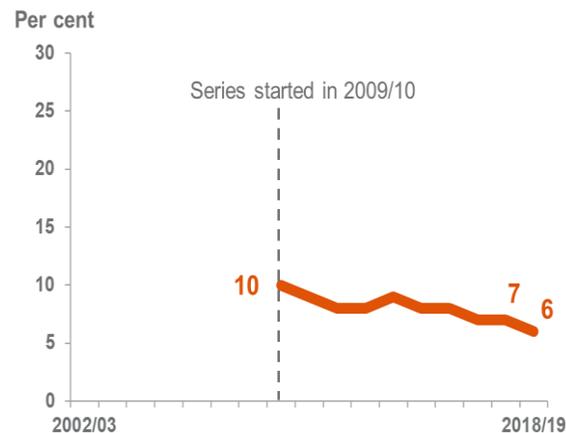


Absolute low income



Material Deprivation was down in 2018/19

Percentage of pensioners in material deprivation



Main Findings

The percentage of pensioners in relative low income remained at 18 per cent BHC and 16 per cent AHC between 2017/18 and 2018/19 (although both fell by over 0.5 percentage points on the unrounded data). Absolute low income BHC remained stable, while absolute low income AHC fell slightly to 13 per cent on the rounded percentages (the fall was less than 0.5 percentage points on unrounded data).

Compared to the overall UK population, pensioners have been less likely to be in relative or absolute low income AHC from around 2004/05, and similar levels BHC since around 2009/10. This is due to large reductions in rates of low income for pensioners until around 2009/10.

As suggested by the Institute for Fiscal Studies (IFS) we have investigated the drop in the proportion of pensioners with private pension income in 2017/18. Private pension income amongst pensioners increased again in 2018/19 to approximately 2015/16 and 2016/17 levels, suggesting sampling variation in the series more than fundamental issues with the source data. That said, an update to private pensions terminology for the 2017/18 Family Resources Survey (FRS) – respondents were asked whether they were in receipt of a “Survivor’s Pension” rather than (as in previous years) a “Widow’s Pension” – may have contributed to fewer pensioners reporting income from this particular type of private pension. We estimate this contributed approx. 0.2 percentage points to pensioner low incomes rates in 2017/18. Whilst private pensions is a complex subject, we are considering on an ongoing basis how FRS questionnaire wording and interviewer guidance can best ensure accurate and comprehensive data capture in this area.

Interpretation

Pensioner Material Deprivation – pensioners aged 65 or over are asked whether they have access to a list of 15 goods and services. If they don’t have a given item (because of cost, health, or availability), this is scored in the material deprivation measure, with items more commonly owned in the population given a higher weighted score. A pensioner is considered to be in material deprivation if they live in a family that has a final score of 20 or more out of 100. More details are available in the HBAI Quality and Methodology Information Report.

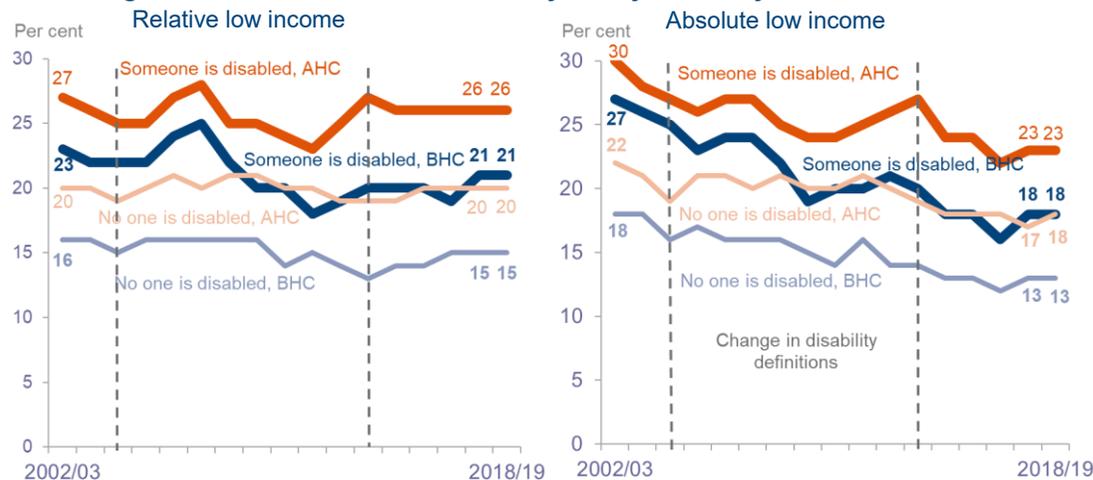
Main Findings

The percentage of pensioners in material deprivation decreased slightly between 2017/18 and 2018/19, from 7 to 6 per cent on the rounded percentages (less than 0.5 percentage points on unrounded data). There has been a broadly downward trend since 2013/14.

People in Low Income Households, by disability in the family

Relative and absolute low income measures where somebody in the family is disabled were stable in 2018/19

Percentage of individuals in low income, by family disability



Interpretation and Definitions

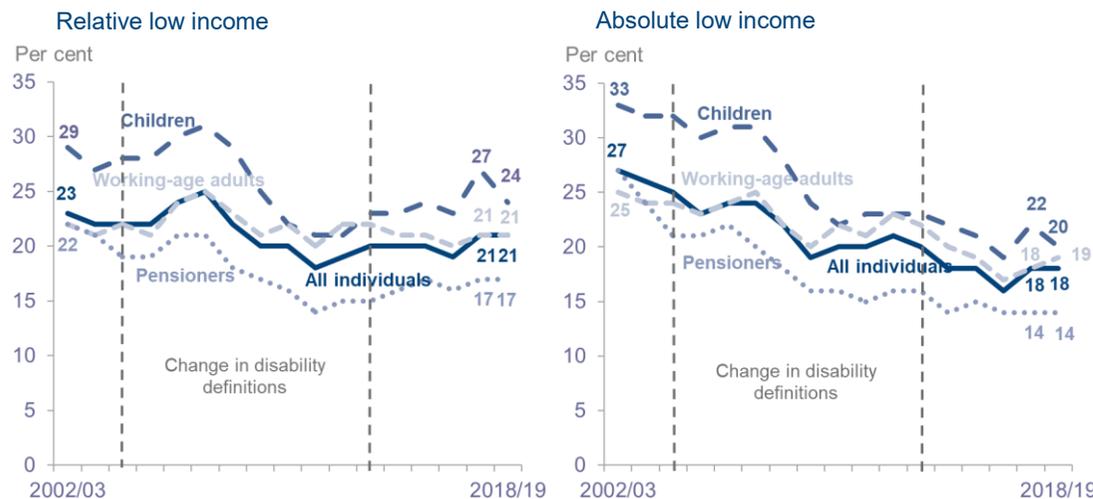
Disabled people are identified as those who report any physical or mental health condition(s) or illness(es) that last or are expected to last 12 months or more, and which limit their ability to carry out day-to-day activities a little, or a lot. This is in line with the Equality Act definition.

The means of identifying people with a disability has changed over time however, with different criteria applied for 2002/03-2003/04; 2004/05-2011/12; and 2012/13 to date. As such, changes over time in the number of individuals with disabilities could be affected by the changes in the disability questions.

Further, different individuals may also have different interpretations of particular health conditions or question wording, meaning that changes to the disability questions may have had a different effect on different groups.

Therefore, comparisons between figures from 2012/13 onwards with earlier years should be made with caution.

Percentage of individuals in low income BHC, by group for families containing someone who is disabled



Main Findings

There is no direct relationship between trends for those with and without disabled family members. Different factors could affect the income of these households. We know, for example, that working-age adults with disabilities are less likely to be in employment, and that disability is more prevalent amongst pensioners.

On relative and absolute low income measures both BHC and AHC, those living in a family with a disabled member are more likely to be in low income than non-disabled families.

Between 2017/18 and 2018/19, relative low income BHC for those in families where someone is disabled has remained at 21 per cent, while relative low income AHC has remained stable at 26 per cent. Absolute low income both BHC and AHC has remained stable for those in families where someone is disabled between 2017/18 and 2018/19.

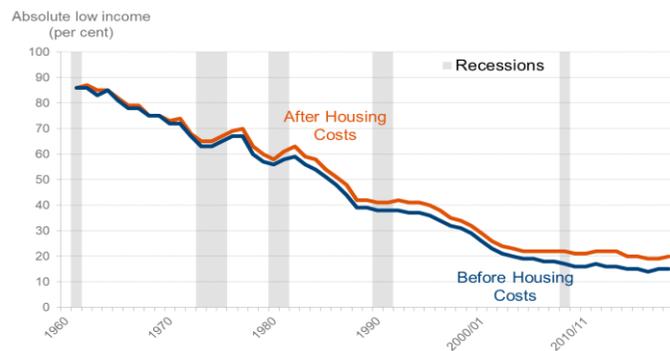
Looking at low income rates BHC by group shows large reductions in rates of low income for all groups and all measures between 2007/08 and 2009/10, with smaller movements either side of this period. The percentage of people in low income in families with a disabled person was generally stable between 2017/18 and 2018/19. However, regarding children in families with a disabled person, there were falls in both the relative and absolute BHC measures.

See **Summary tables 7a, 7c, 7e and 7g** for full data.

Long-term Trends (data prior to 1994/95 are not National Statistics)

Work undertaken by IFS to extend HBAI trends back to 1961 shows large increases in inequality over the 1980s

Headline income indicators



All results reported prior to 2002/03 are for Great Britain only

Main Findings

Looking at trends over the past 50 years, incomes across the population have increased dramatically in real terms over time, driving falls in **absolute low income**. This pattern has held fairly consistently over time, with rises in absolute low income relatively rare.

Over the 1980s, however, incomes for those further up the income distribution grew more quickly than for those at the bottom, driving large increases in income inequality (**Gini**) and in **relative low income** measures.

From the early 1990s, income inequality measures in the UK have remained relatively stable, although analysis by Atkinson, Piketty et al, held at the World Inequality Database (<http://wid.world/>) suggests that increasing inequality has continued with incomes for those within the top 1 per cent continuing to grow faster than for the rest of the distribution. Changes this far up the distribution will not be captured well in HBAI data.

Interpretation

The increase in income inequality (and in relative low income) over the past 40 years or so has been driven in part by a significant increase in individual earnings inequality over the same period. Partial explanations for wider trends are as follows:

- From the **late-1970s** there was a large rise in unemployment following the recession, accompanied by increasing inequality in earnings – driven in part by factors like increases in part-time working.
- From the **mid-1980s** increasing income inequality was further driven by incomes of those in employment pulling away from those who are economically inactive (including pensioners) as growth in employment income rose faster than for other sources such as benefits.
- In the **late-1980s** the widening of the income distribution was driven further by increases in earnings inequality, with increasing differences between wages for different occupations.
- By the **early 1990s** the picture began to stabilise with incomes of those economically inactive starting to catch up to those in employment.
- In the **early 2000s** falls in low income measures were driven by increasing relative incomes for families with children and pensioners – driven in part by the introduction of tax credits and the Basic State Pension “triple lock”.

See https://www.ifs.org.uk/uploads/publications/bns/bn19_figs.xlsx for full data and http://www.ifs.org.uk/uploads/publications/docs/Accounting_for_changes_in_inequality.pdf for detailed decomposition analysis of trends.

Measuring income in HBAI

HBAI uses data from the Family Resources Survey (FRS) to derive a measure of disposable household income. Adjustments are made to take into account the size and composition of households to make figures comparable.

FRS Survey Data The FRS covers a sample of over 19,000 private households in the United Kingdom. Therefore, certain individuals, for example students in halls of residence and individuals in nursing or retirement homes will not be included.

Sampling Error Results from surveys are estimates and not precise figures - in general terms the smaller the sample size, the larger the uncertainty. Confidence intervals help to interpret the certainty of these estimates, by showing the range of values around the estimate that the true result is likely to be within.

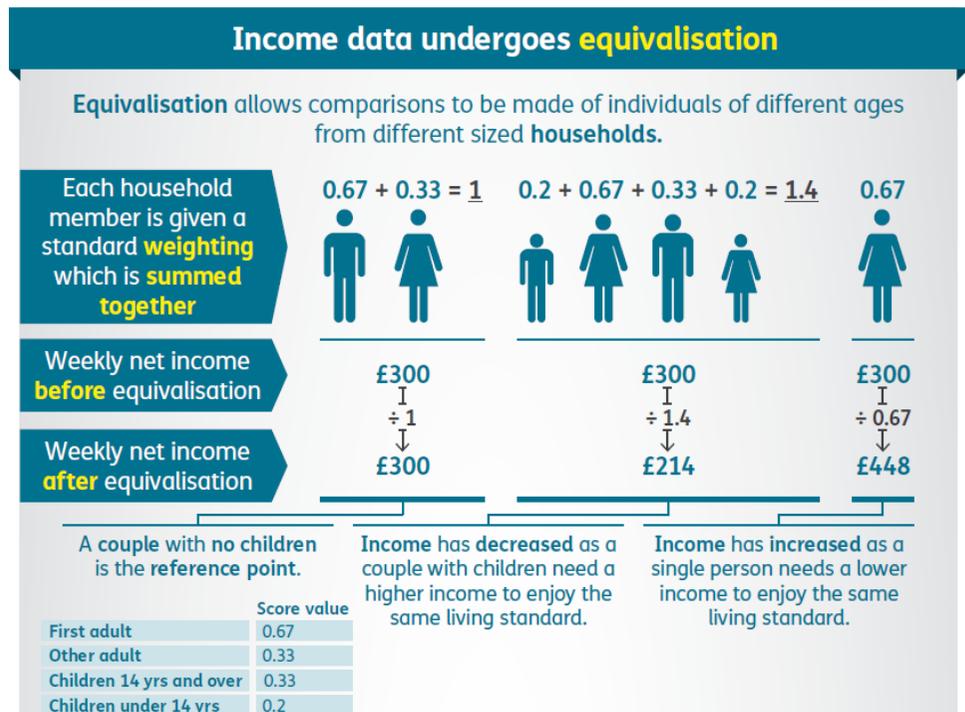
Non-sampling Error These results are based on data from respondents to the survey. If people give inaccurate responses or certain groups of people are less likely to respond this can introduce biases and errors. This non-sampling error can be minimised through effective and accurate sample and questionnaire design and extensive quality assurance of the data. However, it is not possible to eliminate it completely, nor can it be quantified.

Income This is measured as total weekly household income from all sources (including child income) after tax, national insurance and other deductions. Income measures are presented before and after housing costs (rent, mortgage interest payments, buildings insurance etc.)

A household income measure implicitly assumes that all members of the household benefit equally from the household's income and so appear at the same position in the income distribution.

SPI adjustment Estimates of mean income and some inequality measures are very sensitive to fluctuations in incomes at the top of the distribution. An adjustment to correct for this is made to 'very rich' households in FRS-based results using data from HMRC's Survey of Personal Incomes.

Equivalisation An adjustment is made to income to make it comparable across households of different size and composition. For example, this process of equivalisation would adjust the income of a single person upwards, so their income can be compared directly to the standard of living for a couple.



These are BHC equivalisation factors, different scales are used AHC

KEY DEFINITIONS:

HOUSEHOLD

One person living alone or a group of people (not necessarily related) living at the same address who share cooking facilities and share a living room, sitting room, or dining area. A household will consist of one or more benefit units/families.

VS

FAMILY or BENEFIT UNIT

A single adult or a couple living as married and any dependent children.

Inflation is the speed at which the prices of goods and services rise or fall. The use of different inflation measures has an effect on trends in average household income and absolute low income measures in HBAI.

HBAI uses variants of CPI to adjust for inflation to look at how incomes are changing over time in **real terms** i.e. if, for example, average incomes rise by 3% in cash terms but inflation is higher at 5%, then we will record a fall in average incomes as the real average purchasing power of incomes has fallen.

About these statistics

The income measure used in HBAI is **weekly net disposable equivalised income Before Housing Costs** measuring income from all sources from all household members including:

- usual net earnings from employment;
- profit or loss from self-employment (losses are treated as negative income);
- state support – all benefits and tax credits, including state pension;
- income from occupational and private pensions;
- investment income;
- maintenance payments, if received directly (***NB we intend to review how child maintenance income is captured in HBAI, with a view to making improvements for the HBAI 2019/20 statistics.***)
- income from educational grants and scholarships;
- the cash value of certain forms of income in kind, including free school meals.

Income is net of:

- income tax and National Insurance contributions;
- domestic rates/council tax;
- contributions to occupational pension schemes;
- all maintenance payments;
- student loan repayments;
- parental contributions to students living away;
- ground rent and service charges.

Where to find out more

Further outputs and reference tables from HBAI analysis, alongside our HBAI Quality and Methodology Information Report, giving further detail on how we estimate the measures reported here are available via the following link:

<https://www.gov.uk/government/collections/households-below-average-income-hbai--2>

Guidance on alternative sources of data on earnings and income is available at the following link and provides useful information to contextualise the HBAI statistics: <https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/earningsandworkinghours/methodologies/aguidetosourcesofdataonearningsandincome>, with additional details at <https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/earningsandworkinghours/methodologies/explainingincomeearningsandthegenderpaygap>

Other National and Official Statistics

Details of other National and Official Statistics produced by the Department for Work and Pensions can be found on the DWP website with a schedule of statistical releases over the next 12 months and a list of the most recent releases at: <https://www.gov.uk/government/organisations/department-for-work-pensions/about/statistics>.

In accordance with the Code of Practice for Statistics, all DWP National Statistics are also announced at: <https://www.gov.uk/government/statistics/announcements>.

A closely-related source of key information on income is the Office for National Statistics' analyses on Average Household Income and on the Effects of Taxes and Benefits on Household Income. As these statistics are based on survey data and so subject to statistical uncertainty, users are encouraged to take a holistic view across the full suite of results available: <https://www.ons.gov.uk/peoplepopulationandcommunity/personalandhouseholdfinances/incomeandwealth>.

Income **After Housing Costs** is derived by deducting housing costs, including:

- rent (gross of housing benefit);
- water rates, community water charges and council water charges;
- mortgage interest payments;
- structural insurance premiums;

Negative Incomes BHC are reset to zero, but negative AHC incomes are possible.

Children are defined as individuals aged under 16; or aged 16 to 19 in full-time non-advanced education.

Pensioners are defined as individuals over their state pension age at the time they are interviewed.

National Statistics Status: The regulatory arm of the UK Statistics Authority, the Office for Statistics Regulation (OSR), has designated these statistics as National Statistics, in accordance with the Statistics and Registration Service Act 2007, signifying compliance with the [Code of Practice for Statistics](#).

National Statistics status means that official statistics meet the highest standards of trustworthiness, quality and public value and comply with all aspects of the Code. OSR has undertaken this assessment to consider whether the statistics meet the required standard. Since the latest review by the OSR, we have continued to comply with the Code of Practice for Statistics, and have made a number of improvements including:

- [Publications have been made significantly shorter](#) to enable a focus on commentary and analysis;
- The timeliness of the publication has been improved so that reports are released within 12 months of the completion of the Family Resources Survey, made possible by improvements to the background/publication/checking codes that are used to conduct analysis;
- By making our data available on [Stat X-plore](#) and the [UK Data Service](#), our statistics are more accessible and support new analysis for users not included in the publications themselves
- The quality of statistics have improved as [variants of the Consumer Price Index \(CPI\) have replaced the use of Retail Prices Index \(RPI\) when adjusting for inflation](#), in line with guidance from the UK Statistics Authority and National Statistician
- [Improved methodology for measuring and reporting uncertainty](#) around key HBAI estimates