

Autumn Budget 2021 data sources

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Preface

This document provides details of sources of data in all the tables, charts, and graphs in the Autumn Budget and Spending Review 2021 document. In addition, it includes details of sources for some data included in the text where, for reasons of space, it has not been possible to footnote these sources.

The document aims to transparently inform readers of the Autumn Budget and Spending Review 2021 document where the data used in the charts, tables, and text comes from and how it has been calculated.

This document also ensures that the Treasury meets the standards set out by the UK Statistics Authority to comply with the Statistics and Registration Service Act 2007¹. In particular, this document aims to meet the principles of the UK Statistics Authority's updated 'Code of Practice for Statistics'², with regard to Trustworthiness, Quality and Value, and to provide an example of the voluntary application of this code to outputs that are not official statistics.

The main principle that this document addresses is T3.8 that "Policy, press or ministerial statements referring to regular or ad-hoc official statistics should be issued separately from, and contain a prominent link to, the source statistics. The statements should meet basic professional standards of statistical presentation including accuracy, clarity and impartiality." It does this by:

- distinguishing clearly between outturn data that are official statistics, and other data and estimates that are not official statistics.³ Examples of estimates that are not official statistics include forecasts, management information, economic estimates calculated by the Treasury or other government departments which are constructed using assumptions or judgements and where the results of economic analyses have a material effect on the resulting estimate.
- for outturn data that are official statistics, by clearly referring to the source of the statistics and provide a link to the statistical release. Where possible, the sources that are used and shown are National Statistics.⁴

¹ [Statistics and Registration Service Act](#), 2007.

² [Code of Practice for Statistics](#)', UK Statistics Authority, 2018 T3.8.

³ The 'official statistics' label refers to a specified subset of the quantitative information produced by the government and its nominated agents. Official statistics are produced and published in accordance with provisions set out in the Statistics and Registration Service Act 2007 and in supplementary statistical legislation, and in line with the Code of Practice for Statistics.

⁴ The 'National Statistics' label applies to a distinct subset of 'official statistics' which has been formally certified by the UK Statistics Authority to be compliant with the professional standards set out in the Code. Public bodies that produce National Statistics have a statutory duty to continue to comply with the Code.

Full details of sources are only provided for outturn data up to 2020-21. Data for future years are forecasts. All of these are outside the domain of official statistics, as are the estimates of the impacts of government measures or policy decisions, as these are estimated, rather than measured or compiled using statistical processes.

In many cases, data for 2020-21 onwards are taken from the Office for Budget Responsibility's (OBR) October 2021 'Economic and Fiscal Outlook' (EFO)⁵. Where this is the case, it is mentioned in the text or in this document.

The timing of the forecast process for the October EFO, used at this Budget, meant that the OBR were unable to incorporate the data released by the ONS in their Quarterly National Accounts release published on 30 September⁶. This was the release that included the long-run revisions to GDP as result of the ONS's annual Blue Book update to methodology and data. Most of the GDP data used in the Autumn Budget and SR document is consistent with the OBR's forecast rather than the GDP data published by the ONS on 30 September (or the data for fiscal aggregates as a percentage of GDP published in the Public Sector Finances release on 21 October⁷). Any exceptions to this where the latest GDP data could be used without affecting the comparison with the OBR forecast has been denoted by †. For fiscal aggregates as a percentage of GDP for 2020-21, outturn data are consistent with the OBR forecast, which uses the latest nominal data published in the Public Sector Finances Release on 21 October and GDP consistent with the data used in Public Sector Finances release published on 21 September⁸. Footnotes explaining the use of GDP data have been included in the Economy and Public Finances Chapter and Annex A 'The Government's Fiscal Framework'.

Time series for data that are shown with Office for National Statistics (ONS) time series identifier codes can be downloaded from the ONS website at: www.ons.gov.uk/.

⁵ 'Economic and fiscal outlook', OBR, October 2021

⁶ ['Quarterly National Accounts, UK: April to June 2021'](#), ONS, September 2021.

⁷ ['Public Sector Finances, UK: September 2021'](#), ONS, October 2021

⁸ ['Public Sector Finances, UK: August 2021'](#), ONS, September 2021

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Chapter 1

Economy and public finances

Chapter 1: Paragraph 1.9

Data

Total consumer card spending

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Further reference information

UK spending on credit and debit cards, 12 April – 19 April (relative to pre-pandemic levels)

<https://www.ons.gov.uk/economy/economicoutputandproductivity/output/datasets/ukspendingoncreditanddebitcards>

Chapter 1: Paragraph 1.10

Data

Business Investment in the UK

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Further reference information

<https://www.ons.gov.uk/economy/grossdomesticproductgdp/bulletins/businessinvestment/apriltojune2021revisedresults>

Chapter 1: Paragraph 1.10

Data

Firms reported investment intentions

Data source, including ONS source code if applicable

Bank of England's Decision Makers Panel

Further reference information

<https://www.bankofengland.co.uk/decision-maker-panel/2021/september-2021>

Chapter 1: Paragraph 1.11

Data

UK Gross Domestic Product (GDP)

Data source, including ONS source code if applicable

Office for National Statistics (ONS) (ABMI, IHYQ)

Further reference information

Quarterly National Accounts Q2 2021, ONS, September 2021

<https://www.ons.gov.uk/economy/grossdomesticproductgdp/timeseries/abmi>

<https://www.ons.gov.uk/economy/grossdomesticproductgdp/timeseries/ihyq>

Economic and Fiscal Outlook: March 2021, OBR, March 2021

Chapter 1: Box 1.A, International Comparisons of GDP and Labour Markets

Data

UK growth rates 2021, 2022

UK nominal GDP growth rates

Data source, including ONS source code if applicable

International Monetary Fund (IMF)

Office for National Statistics (ONS) (YBHA)

Further reference information

IMF World Economic Outlook, October 2021

<https://www.imf.org/en/Publications/WEO/Issues/2021/10/12/world-economic-outlook-october-2021>

Nominal GDP growth rates, ONS

<https://www.ons.gov.uk/economy/grossdomesticproductgdp/timeseries/ybha/ukea?referrer=search&searchTerm=ybha>

Chapter 1: Box 1.A, International Comparisons of GDP and Labour Markets

Data

Unemployment in US, Canada, Spain, France, Italy

UK average unemployment rate

Data source, including ONS source code if applicable

Organisation for Economic Co-operation and Development (OECD)

[IMF World Economic Outlook](#), October 2021

Further reference information

Harmonised unemployment rate, OECD

<https://data.oecd.org/unemp/harmonised-unemployment-rate-hur.htm>

Pre-pandemic level defined as 3 months to February 2020

Chapter 1: Chart 1.1: GDP shortfall to pre-pandemic levels: real and nominal

Data

Gross Domestic product (GDP) of UK, Japan, United States (US), Germany, France, Canada, Italy and Spain

Data source, including ONS source code if applicable

Organisation for Economic Co-operation and Development (OECD)

Further reference information

LNBQRSA: National currency, chained volume estimates, national reference year, quarterly levels, seasonally adjusted

CQRSA: National currency, current prices, quarterly levels, seasonally adjusted

Chapter 1: Box 1.A, International Comparisons of GDP and Labour Markets

Data

Unemployment rates for US, Canada, Spain and France

Data source, including ONS source code if applicable

Organisation for Economic Cooperation and Development (OECD)

Further reference information

OECD Main Economic Indicators, Harmonised Unemployment: Rate, All Persons (All Ages)

https://www.oecd-ilibrary.org/economics/data/labour/labour-force-statistics_data-00046-en

Chapter 1: Paragraph 1.12

Data

Changes in commodity and raw material prices

Data source, including ONS source code if applicable

Bank of England's agent's survey 2021 Q3

Further reference information

<https://www.bankofengland.co.uk/agents-summary/2021/2021-q3>

Chapter 1: Paragraph 1.12

Data

Changes in firms' material costs

Data source, including ONS source code if applicable

Bank of England's agent's survey 2021 Q3

Further reference information

<https://www.bankofengland.co.uk/agents-summary/2021/2021-q3>

Chapter 1: Paragraph 1.14

Data

Commodity prices

Data source, including ONS source code if applicable

International Monetary Fund (IMF)

Further reference information

Primary commodity prices data, IMF, 14 October 2021

<https://www.imf.org/en/Research/commodity-prices>

Chapter 1: Paragraph 1.15

Data

CPI inflation

Data source, including ONS source code if applicable

Office for National Statistics (D7B7)

Further reference information

<https://www.ons.gov.uk/economy/inflationandpriceindices/datasets/consumerpriceindices>

Chapter 1: Chart 1.2: 2021 Contributions to CPI inflation

Data

Consumer prices of core goods, services, energy, other goods

Data source, including ONS source code if applicable

Office for National Statistics (ONS) (D7BT)

Further reference information

Consumer prices, ONS

<https://www.ons.gov.uk/economy/inflationandpriceindices/timeseries/d7bt/mm23?referrer=search&searchTerm=d7bt>

Chapter 1: Paragraph 1.16

Data

Monthly Gross Domestic Product (GDP)

Data source, including ONS source code if applicable

Office for National Statistics (ONS) (ECY2, ECYX)

Further reference information

GDP Monthly Estimate, UK: July 2021, ONS, September 2021

<https://www.ons.gov.uk/economy/grossdomesticproductgdp/timeseries/ecy2>
<https://www.ons.gov.uk/economy/grossdomesticproductgdp/timeseries/ecyx/mgdp>

Chapter 1: Paragraph 1.18

Data

UK Payrolls

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Further reference information

Earnings and employment from Pay As You Earn Real Time Information (RTI) (Experimental Statistics) seasonally adjusted

<https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/earningsandworkinghours/datasets/realtimeinformationstatisticsreferencetableseasonallyadjusted>

Chapter 1: Paragraph 1.18

Data

UK vacancies

Data source, including ONS source code if applicable

Office for National Statistics (ONS) (AP2Y)

Further reference information

<https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/timeseries/ap2y/unem>

Chapter 1: Paragraph 1.18

Data

UK Coronavirus Job Retention Scheme (CJRS) statistics

Data source, including ONS source code if applicable

Her Majesty's Revenue and Customs (HMRC)

Further reference information

HMRC coronavirus (COVID-19) statistics

<https://www.gov.uk/government/statistics/coronavirus-job-retention-scheme-statistics-7-october-2021>

Chapter 1: Paragraph 1.19

Data

Online job postings

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Further reference information

Adzuna online job adverts

<https://www.ons.gov.uk/economy/economicoutputandproductivity/output/datasets/onlinejobadvertestimates>

Chapter 1: Paragraph 1.20

Data

Underlying wage growth in the 3 months to August

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Further reference information

Average weekly earnings in Great Britain: September 2021, ONS

<https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/averageweeklyearningsingreatbritain/september2021#>

Chapter 1: Paragraph 1.20

Data

Real wage growth

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Further reference information

Average weekly earnings in Great Britain: September 2021, ONS

<https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/averageweeklyearningsingreatbritain/september2021>

Single month real wage levels are calculated by dividing the level of average weekly earnings (total pay, whole economy, seasonally adjusted) by the level of the Consumer Price Index (CPI). Cumulative growth in real wages since the start of the pandemic is calculated by comparing the average level of real wages in the three months to August 2021 (latest data) with the level in the three months to February 2020.

Chapter 1: Box 1.B: Longer term impact of Covid

Data

External scarring estimates

Data source, including ONS source code if applicable

Bank of England Monetary Policy Report November 2020 and August 2021

National Institute of Economic and Social Research (NIESR) UK economic outlook, August 2020 and August 2021

Further reference information

<https://www.niesr.ac.uk/publications/prospects-uk-economy-37>

<https://www.niesr.ac.uk/publications/uk-economic-outlook-summer-2021-emerging-shadow-covid-19>

<https://www.bankofengland.co.uk/monetary-policy-report/2020/november-2020>

<https://www.bankofengland.co.uk/monetary-policy-report/2021/august-2021>

Chapter 1: Box 1.B: Longer term impact of Covid

Data

Unemployment expectations

Data source, including ONS source code if applicable

Office for Budget Responsibility (OBR) Fiscal Sustainability Report, July 20

Further reference information

Central economic scenario

<https://obr.uk/fsr/fiscal-sustainability-report-july-2020/>

Chapter 1: Box 1.B: Longer term impact of Covid

Data

Expenditure on research and development

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Further reference information

Gross domestic expenditure on research and development, UK: 2019

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/researchanddevelopmentexpenditure/bulletins/ukgrossdomesticexpenditureonresearchanddevelopment/2019>

Chapter 1: Box 1.B: Longer term impact of Covid

Data

Business loan schemes

Data source, including ONS source code if applicable

HM Treasury

Further reference information

HM Treasury coronavirus (COVID-19) business loan scheme statistics - GOV.UK (www.gov.uk)

<https://www.gov.uk/government/collections/hm-treasury-coronavirus-covid-19-business-loan-scheme-statistics>

Chapter 1: Box 1.B: Longer term impact of Covid

Data

Business insolvencies

Data source, including ONS source code if applicable

Bank of England

Further reference information

Financial Stability in Focus, Bank of England, October 2021

<https://www.bankofengland.co.uk/financial-policy-summary-and-record/2021/october-2021/financial-stability-in-focus>

Chapter 1: Box 1.B: Longer term impact of Covid

Data

Business investment forecast and timeseries including time taken to recover from a recession

Data source, including ONS source code if applicable

OBR

Office for National Statistics (ONS)

Further reference information

[OBR Economic and Fiscal Outlook, March 2021](#)

[Business investment headline data pre-1997, ONS](#)

The time taken for business investment to recover from a previous recession is calculated using the ONS's latest published business investment outturn data. For each recession, business investment (in real, seasonally-adjusted terms) is indexed to 100 at the quarter when GDP peaks. The number of quarters taken for business investment to return to the pre-crisis index level following past recessions is calculated, with the average then taken.

Chapter 1: Chart 1.3: International Monetary Fund estimates of discretionary fiscal expansion in response to COVID-19 in G7 economies

Data

Fiscal expansion as percentage of 2020 GDP

Data source, including ONS source code if applicable

International Monetary Fund (IMF)

Further reference information

IMF Fiscal Monitor, October 2020

<https://www.imf.org/en/Publications/FM/Issues/2021/10/13/fiscal-monitor-october-2021>

Chapter 1: Paragraph 1.23

Data

Jobs supported through the Furlough schemes

Data source, including ONS source code if applicable

HMRC

Further reference information

HMRC COVID-19 statistics

<https://www.gov.uk/government/collections/hmrc-coronavirus-covid-19-statistics>

Chapter 1: Paragraph 1.24

Data

Proportion of UK adult population vaccinated

Data source, including ONS source code if applicable

UK government

Further reference information

<https://coronavirus.data.gov.uk/details/vaccinations>

Chapter 1: Paragraph 1.26

Data

Regional productivity

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Further reference information

Subregional productivity in the UK: July 2021, ONS

<https://www.ons.gov.uk/releases/subregionalproductivityintheukjuly2021>

Chapter 1: Box 1.C: Drivers of local disparities in economic outcomes

Data

The effect of increasing productivity on Gross Domestic Product (GDP)

Data source, including ONS source code if applicable

HM Treasury analysis of [subregional productivity: labour productivity indices by city region, ONS](#)

Further reference information

The largest eight city regions in the UK outside of London were identified using the number of jobs in each. For each of these city regions, the difference in GVA per filled job to the UK average GVA per filled job was calculated. This difference was

multiplied by the number of productivity jobs in the city region to give an estimate of the uplift in total GVA in each. The sum of these uplifts was taken as a percentage of UK total GVA.

Chapter 1: Box 1.C: Drivers of local disparities in economic outcomes

Data

Percentage of working age population with National Vocational Qualification (NVQ) equivalent to level 4 and beyond

Data source, including ONS source code if applicable

Office for National Statistics (ONS), Annual Population Survey: July 2020 – June 2021

Further reference information

<https://www.nomisweb.co.uk/datasets/apsnew>,

Chapter 1: Box 1.C: Drivers of local disparities in economic outcomes

Data

Community life survey 2021

Data source, including ONS source code if applicable

Department for Culture Media & Sport (DCMS)

Further reference information

<https://www.gov.uk/government/statistics/community-life-survey-202021>

Chapter 1: Chart 1.4: Correlation between qualification level and productivity, by region

Data

Regional percentage of worker productivity, Gross Value Added per Hour, July 2021

Percentage of working age population with National Vocational Qualification (NVQ) equivalent to level 4 and beyond

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Annual Population Survey: July 2020 – June 2021, ONS

Further reference information

<https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/labourproductivity/datasets/subregionalproductivitylabourproductivitygvaperhourworkedandgvaperfilledjobindicesbyuknuts2andnuts3subregions>

<https://www.nomisweb.co.uk/datasets/apsnew>,

Chapter 1: Paragraph 1.29

Data

UK carbon emissions

GDP growth

Data source, including ONS source code if applicable

Committee on Climate Change

Office for National Statistics (ONS)

Further reference information

Net Zero The UK's contribution to stopping global warming, May 2019

<https://www.theccc.org.uk/wp-content/uploads/2019/05/Net-Zero-The-UKs-contribution-to-stopping-global-warming.pdf>

GDP time series, ONS

<https://www.ons.gov.uk/economy/grossdomesticproductgdp#timeseries>

Chapter 1: Paragraph 1.30

Data

Consumer Price inflation forecast

Data source, including ONS source code if applicable

Office for Budget Responsibility (OBR)

Further reference information

OBR Economic and Fiscal Outlook October 2021

<https://obr.uk/publications/>

Chapter 1: Chart 1.5: Fiscal stance as measured by the Cyclically-adjusted Primary Deficit (CAPD)

Data

Cyclically-adjusted Primary Deficit as a percentage of GDP as of Spring Budget 21, Autumn Budget 21 and with virus-related support measures removed.

Data source, including ONS source code if applicable

Office for Budget Responsibility (OBR)

Further reference information

Outturn data is available from the OBR's public finances databank at:

<https://obr.uk/data/>

Forecast data (2021-22 to 2026-27) can be found in the OBR's Economic and Fiscal Outlook – October 2021 <https://obr.uk/efo/>, [in addition to the latest OBR costings for virus-related support measures].

Chapter 1: Table 1.6: Total impact of policy decisions on borrowing 2020-2021 to 2024-25

Data

Summation of costings for scoring measures at October budget 2021

Data source, including ONS source code if applicable

HM Treasury policy costings

Office for Budget Responsibility (OBR)

Total recostings of virus related support measures, across the OBR's March forecast (Table A.5) and October forecast (Table A.6).

Further details of policy decisions at the Budget are given in Table 5.1.

Further reference information

These projections are calculated from economic estimates, detailed costing models, and include numerous assumptions that have a material impact; they are therefore outside the domain of official statistics.

Chapter 1: Paragraph 1.31

Data

UK unemployment forecast

Data source, including ONS source code if applicable

Office for Budget Responsibility (OBR)

Further reference information

OBR Economic and Fiscal Outlook, October 2021

<https://obr.uk/publications/>

Chapter 1: Paragraph 1.32

Data

UK Gross Domestic Product (GDP) Forecast, UK Unemployment Rate Forecast, UK CPI Inflation Rate Forecast

Data source, including ONS source code if applicable

Office for Budget Responsibility (OBR)

Further reference information

OBR Economic and Fiscal Outlook, October 2021

<https://obr.uk/publications/>

Chapter 1: Table 1.7: Summary of the OBR's economic forecast (percentage change on year earlier, unless otherwise stated)

Data

OBR's economic forecast

Data source, including ONS source code if applicable

OBR Economic and Fiscal Outlook, October 2021

<https://obr.uk/publications/>

Further reference information

These projections are calculated from economic estimates, detailed forecasting models, and include numerous assumptions that have a material impact; they are therefore outside the domain of official statistics.

Chapter 1: Paragraph 1.34

Data

Proportion of adults who had self-isolated in the last 7 days

Data source, including ONS source code if applicable

Opinions and Lifestyle Survey, Office for National Statistics (ONS)

Further reference information

Coronavirus and the social impacts on Great Britain: 22 October. Peak was in week 14 – 18 July 2021.

<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/healthandwellbeing/datasets/coronavirusandthesocialimpactsongreatbritaindata>

Chapter 1: Paragraph 1.35

Data

Proportion of businesses finding vacancies difficult to fill

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Business Impact of Coronavirus Survey (BICS), Office for National Statistics (ONS)

Further reference information

ONS Business Impact of Coronavirus Survey, Wave 38 and 40

<https://www.ons.gov.uk/economy/economicoutputandproductivity/output/datasets/businessinsightsandimpactontheeconomy>

<https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/employmentintheuk/latest#employment>

Chapter 1: Paragraph 1.35

Data

Student inactivity

Data source, including ONS source code if applicable

Internal analysis based on labour market microdata

Further reference information

ONS Labour Force Survey internal microdata for October-December 2019 and June-August 2021

Chapter 1: Chart 1.8: Shortage Chapter 1: Chart 1.8: Shortages of workers relative to fully furloughed and inactive students, by sector, Q3 2021

Data

Number of workers required to meet pre-pandemic unemployed per vacancy ratios given current unemployed per vacancy ratios

Data source, including ONS source code if applicable

HM Treasury analysis of ONS unemployment data and single month vacancy data, full-time furlough take-up by sector, LFS inactivity by reason data and internal LFS microdata analysis of sectoral composition of student employment in LFS

ONS Single month vacancy estimates:

[X06: Single month vacancies estimates \(not designated as National Statistics\) - Office for National Statistics \(ons.gov.uk\)](#)

ONS unemployed by sector of previous employment estimates:

[UNEM03: Unemployment by previous industrial sector - Office for National Statistics \(ons.gov.uk\)](https://www.ons.gov.uk/unemployment-by-sector-of-previous-employment-estimates)

Official Coronavirus Job Retention Scheme statistics, October 2021:

<https://www.gov.uk/government/statistics/coronavirus-job-retention-scheme-statistics-7-october-2021>

ONS Labour Force Survey internal microdata for January-March 2019, April-June 2019, July-September 2019 and October-December 2019

ONS inactivity by reason:

<https://www.ons.gov.uk/employmentandlabourmarket/peoplenotinwork/economicinactivity/datasets/economicinactivitybyreasonseasonallyadjustedinac01sa>

Further reference information

Gross shortages refer to the sum of workers in sectors facing shortages.

This analysis does not make assumptions for how many individuals on full-time furlough will be available to add to the labour supply, this will depend on how many remain with their current employer at the end of the scheme.

The pre-pandemic sectoral composition of students aged 16-24 from 2019, estimated from LFS microdata, has been used to allocate the potential labour supply effect in each sector of a return of students to employment from inactivity.

The increase in inactive students aged 16-24 has been calculated by first estimating the change in inactivity due to being a student between October-December 2019 and June-August 2021. We then take the proportion of this that is from 16-24 year olds, based on the proportion of students who were 16-24 in 2019 on average.

This analysis will only capture unemployed workers with a sector of previous employment.

Chapter 1: Chart 1.9: Debt interest sensitivities in the final year of the forecast, by forecast event

Data

Central government debt interest net of Asset Purchase Facility, sensitivities to increase in rates/inflation at forecasts since Autumn 2014..

Data source, including ONS source code if applicable

Office for Budget Responsibility (OBR)

Further reference information

<https://obr.uk/efo/economic-and-fiscal-outlook-October-2021/>

Chapter 1: Chart 1.10: Receipts and spending as a percentage of GDP

Data

Public Sector Current Receipts and Total Managed Expenditure as percentages of GDP

Data source, including ONS source code if applicable

Office for National Statistics (ONS) in outturn and Office for Budget Responsibility (OBR) in forecast

Public Sector (excluding Public Sector Banks) Current receipts - JW20.

Public Sector (excluding Public Sector Banks) Total Managed Expenditure - KX5Q.

Gross Domestic Product (GDP) at current prices – BKTL.

On 30 September, the ONS implemented revisions to GDP estimates consistent with Blue Book 2021 - the annual methodology and data update to the UK National Accounts. The OBR forecast was closed to new public finances data before data for fiscal aggregates as a percentage of GDP reflecting these revisions were published in the Public Sector Finances on 21 October. This means that outturn data for fiscal aggregates as a percentage of GDP used in the forecast and in the text, charts and tables in this chapter will not be consistent with these latest ONS figures. For 2020-21, these outturn data are consistent with the OBR forecast, which uses the latest nominal data published on 21 October and GDP consistent with the data used in Public Sector Finances published on 21 September, and for earlier years are fully consistent with the PSF data published on 21 September.

Chapter 1: Chart 1.11: General government overall fiscal balance in G7 economies

International comparison of general government overall balances for G7 economies.

Data source, including ONS source code if applicable

International Monetary Fund (IMF)

Further reference information

IMF Fiscal Monitor Database October 2021 - Table 1.1 General Government Fiscal Overall balance, 2016-26, October 2021 Fiscal Monitor

Chapter 1: Chart 1.12: Public sector net debt excluding the Bank of England

Data

Public sector net debt excluding Bank of England as a percentage of GDP from 2010-11 to 2026-27 outturn data and as forecast by the OBR in EFO's since March 2020.

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

ONS Public Sector Net Debt (excluding Public Sector Banks and excluding Bank of England) as a % of GDP – CPOA.

On 30 September, the ONS implemented revisions to GDP estimates consistent with Blue Book 2021 - the annual methodology and data update to the UK National Accounts. The OBR forecast was closed to new public finances data before data for fiscal aggregates as a percentage of GDP reflecting these revisions were published in the Public Sector Finances on 21 October. This means that outturn data for fiscal aggregates as a percentage of GDP used in the forecast and in the text, charts and tables in this chapter will not be consistent with these latest ONS figures. For 2020-21, these outturn data are consistent with the OBR forecast, which uses the latest nominal data published on 21 October and GDP consistent with the data used in Public Sector Finances published on 21 September, and for earlier years are fully consistent with the PSF data published on 21 September.

Successive forecast by the Office for Budget Responsibility (OBR)

Economic and Fiscal Outlook March 2020, Economic and Fiscal Outlook November 2020, Economic and Fiscal Outlook March 2021 and Economic and Fiscal Outlook October 2021

Further reference information

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/bulletins/publicsectorfinances/august2021>

<https://obr.uk/efo/economic-and-fiscal-outlook-October-2021/>

Chapter 1: Chart 1.13: Current budget deficit

Data

Current budget surplus as a percentage of GDP from 2010-11 to 2026-27 outturn data and as forecast by the OBR in EFO's since March 2020.

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

Public Sector Current budget deficit (excluding Public Sector Banks) as a percentage of GDP – JW2V.

On 30 September, the ONS implemented revisions to GDP estimates consistent with Blue Book 2021 - the annual methodology and data update to the UK National Accounts. The OBR forecast was closed to new public finances data before data for fiscal aggregates as a percentage of GDP reflecting these revisions were published in the Public Sector Finances on 21 October. This means that outturn data for fiscal aggregates as a percentage of GDP used in the forecast and in the text, charts and tables in this chapter will not be consistent with these latest ONS figures. For 2020-21, these outturn data are consistent with the OBR forecast, which uses the latest nominal data published on 21 October and GDP consistent with the data used in Public Sector Finances published on 21 September, and for earlier years are fully consistent with the PSF data published on 21 September.

Office for Budget Responsibility (OBR)

Economic and Fiscal Outlook March 2020, Economic and Fiscal Outlook November 2020, Economic and Fiscal Outlook March 2021 and Economic and Fiscal Outlook October 2021

Further reference information

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/bulletins/publicsectorfinances/august2021>

<https://obr.uk/efo/economic-and-fiscal-outlook-October-2021/>

Chapter 1: Table 1.14: Overview of OBR's fiscal forecast (% GDP)

Data

Key borrowing and stock aggregates from the OBR's fiscal forecast.

Data source, including ONS source code if applicable

Office for Budget Responsibility (OBR) is the only source for this table.

On 30 September, the ONS implemented revisions to GDP estimates consistent with Blue Book 2021 - the annual methodology and data update to the UK National Accounts. The OBR forecast was closed to new public finances data before data for fiscal aggregates as a percentage of GDP reflecting these revisions were published in the Public Sector Finances on 21 October. This means that outturn data for fiscal aggregates as a percentage of GDP used in the forecast and in the text, charts and tables in this chapter will not be consistent with these latest ONS figures. The outturn data in this table are consistent with the OBR forecast, which used the latest nominal data published on 21 October and GDP consistent with the data used in Public Sector Finances published on 21 September.

Further reference information

<https://obr.uk/efo/economic-and-fiscal-outlook-October-2021/>

Table 1.16: Departmental Budgets (Total DEL excluding depreciation)

Data

Total DEL excluding depreciation

Data source

HM Treasury [Public Spending Statistics](#)

HM Treasury DEL plans are used for all years

OBR forecast of allowance for shortfall

Further reference information

OBR 'Economic and fiscal outlook', October 2021

Table 1.17: Departmental Programme and Administration Budgets (Resource DEL excluding depreciation)

Data

Resource departmental expenditure limits (RDEL) excluding depreciation

Data source

HM Treasury [Public Spending Statistics](#)

HM Treasury DEL plans are used for all years

OBR forecast of allowance for shortfall

Table 1.18: Departmental Capital Budgets (Capital DEL)

Data

Capital departmental expenditure limits (CDEL)

Data source, including ONS source code if applicable

HM Treasury [Public Spending Statistics](#)

HM Treasury DEL plans are used for all years

OBR forecast of allowance for shortfall

Chapter 1: Chart 1.19: Public Sector Net Investment relative to historic average

Public sector net investment as a percentage of Gross Domestic Product (GDP) relative to the historic average for the years 1979-80 to 2020-21.

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

ONS Public Sector Net Investment (excluding Public Sector Banks) as a % of GDP – MUB2.

On 30 September, the ONS implemented revisions to GDP estimates consistent with Blue Book 2021 - the annual methodology and data update to the UK National Accounts. The OBR forecast was closed to new public finances data before data for fiscal aggregates as a percentage of GDP reflecting these revisions were published in the Public Sector Finances on 21 October. This means that outturn data for fiscal aggregates as a percentage of GDP used in the forecast and in the text, charts and tables in this chapter will not be consistent with these latest ONS figures. For 2020-21, these outturn data are consistent with the OBR forecast, which uses the latest nominal data published on 21 October and GDP consistent with the data used in Public Sector Finances published on 21 September, and for earlier years are fully consistent with the PSF data published on 21 September.

Office for Budget Responsibility (OBR)

Further reference information

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/bulletins/publicsectorfinances/august2021>

<https://obr.uk/efo/economic-and-fiscal-outlook-October-2021/>

Chart 1.20: Total managed expenditure, % GDP, 1947-48 to 2026-27

Data

Total Managed Expenditure as a percentage of Gross Domestic Product

Data source, including ONS source code if applicable

1947-48 to 2020-21 Office for National Statistics; KX5Q TME

1947-48 to 2020-21 GOV.UK Quarterly National Accounts; Nominal GDP; June 2021

2021-22 onwards: Office for Budget Responsibility forecast of Total Managed Expenditure and Nominal GDP.

Further reference information

Outturn data on TME (1947-48 to 2020-21) can be found in the latest ONS Public sector finances analytical tables, at the link below:

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/datasets/publicsectorfinances>

Outturn data on Nominal GDP (1947-48 to 2020-21) can be found in the June 2021 GOV.UK QNA, at the link below:

<https://www.gov.uk/government/statistics/gdp-deflators-at-market-prices-and-money-gdp-june-2021-quarterly-national-accounts>

OBR's 'Economic and fiscal outlook' October 2021

<http://obr.uk/>

Chapter 1: Table 1.21: New contingent liabilities since March 2021

Data

Commitments that have passed through the Treasury's Contingent Liability Approval Framework since March and have incurred contingent liabilities. Where quantified, maximum exposures are given.

Data source, including ONS source code if applicable

Unpublished HM Treasury contingent liability database.

Further reference information

Contingent Liability Approval Framework:

<https://www.gov.uk/government/publications/contingent-liability-approval-framework>

Written Ministerial Statements on the UK Parliament's website:

<https://questions-statements.parliament.uk/#written-statements>

Chapter 2

Building back better

Table 2.2: Capital DEL expenditure on Research and Development (R&D)

Data

Capital DEL expenditure on Research and Development (R&D). Capital spending by the Department for Business, Energy and Industrial Strategy (BEIS) is divided into: core research, Innovate UK, and EU Programmes Association

Data source

Spending Review 2021 plans

Spending Review 2020 commitment to 23-24.

[UKRI budget allocation document](#)

Third-country EU programme (Horizon, Euratom, ITER) participation contributions. Estimates are forecast in line with the terms agreed in the [Trade and Cooperation Agreement](#), and using latest EU Budget and UK/EU27 economic data'

Chart 2.1: Net additional dwellings, England

Data

Data on net additional housing dwellings in England for the period 2010-2020

Data source, including ONS source code if applicable

DLUHC "Live tables on housing supply: net additional dwellings".

Further reference information

<https://www.gov.uk/government/statistical-data-sets/live-tables-on-net-supply-of-housing>

Chart 2.4: UK and G7 greenhouse gas emissions and GDP, 1990-2019

Data

Greenhouse gas emissions and GDP data for the period 1990-2019, for the UK and the rest of the G7.

Data source, including ONS source code if applicable

World Bank, UNFCCC National Inventory Submissions, ONS (PN2), BEIS Greenhouse Gas Inventory.

Further reference information

<https://data.worldbank.org/indicator/NY.GDP.MKTP.PP.KD>

https://di.unfccc.int/time_series

<https://www.ons.gov.uk/economy/grossdomesticproductgdp/timeseries/abmi/pn2>

<https://www.gov.uk/government/collections/uk-greenhouse-gas-emissions-statistics#publications>

Table 2.5: Net zero and other green DEL & AME expenditure

Data

Total DEL and AME (excluding administration budgets and depreciation)

Data source

HM Treasury DEL plans are used for all years

These are not official statistics

Renewable Heat Incentive spending based on OBR data

(<https://obr.uk/efo/economic-and-fiscal-outlook-march-2021/>) and unpublished BEIS estimates of future deployment

Chapter 4

Departmental settlements

Tables 4.1 to 4.20: All other department settlement tables

Data

DEL spending by departments

Data source

2019-20 and 2020-21 figures reflect outturn in HM Treasury Public Spending Statistics

HM Treasury DEL plans are used for all years

These are not official statistics

Further reference information

Table 4.21: Small departments and independent bodies

Data

DEL spending by small departments and independent bodies

Data source

2019-20 and 2020-21 figures reflect outturn in HM Treasury Public Spending Statistics

HM Treasury DEL plans are used for all years

These are not official statistics

Further reference information

Annex A

The government's fiscal framework

Chart A1: Debt interest to revenue ratio with illustrative interest rate & RPI shocks

Data

Debt interest to revenue ratio uses net debt interest, calculated as public sector interest paid less property income receivable, which is also deducted from revenue.

The shocks are modelled using OBR's debt interest ready reckoner (table 3.23 of the supplementary spending data)

This measure covers the entire public sector, excluding NatWest Group.

The data are from the Office for National Statistics in outturn and Office for Budget Responsibility in forecast.

Data source, including ONS source code if applicable

Office for National Statistics (ONS) and HM Treasury calculations in outturn. Office for Budget Responsibility in forecast.

$$\text{Debt interest to revenue ratio} = \frac{A - C}{B - C}$$

(A) Public Sector (excluding the Public Sector Banks) interest & dividends paid to the private sector and the rest of the world. ONS code JW2P.

(B) Public Sector (excluding the Public Sector Banks) Current Receipts. ONS code JW2O.

(C) Public Sector (excluding the Public Sector Banks) interest & dividends received from the private sector, the rest of the world and Public Sector Banks. ONS codes JW2L + JW2M.

Further reference information

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/bulletins/publicsectorfinances/september2021>

<https://obr.uk/efo/economic-and-fiscal-outlook-October-2021/>

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/datasets/publicsectorfinancesborrowingbysector>

Chart A2: Public Sector Net Investment relative to historic average

Public sector net investment as a percentage of Gross Domestic Product (GDP) relative to the historic average for the years 1979-80 to 2020-21.

Data source, including ONS source code if applicable

Office for National Statistics (ONS)

ONS Public Sector Net Investment (excluding Public Sector Banks) as a % of GDP – MUB2.

On 30 September, the ONS implemented revisions to GDP estimates consistent with Blue Book 2021 - the annual methodology and data update to the UK National Accounts. The OBR forecast was closed to new public finances data before data for fiscal aggregates as a percentage of GDP reflecting these revisions were published in the Public Sector Finances on 21 October. This means that outturn data for fiscal aggregates as a percentage of GDP used in the forecast and in the text, charts and tables in this chapter will not be consistent with these latest ONS figures. For 2020-21, these outturn data are consistent with the OBR forecast, which uses the latest nominal data published on 21 October and GDP consistent with the data used in Public Sector Finances published on 21 September, and for earlier years are fully consistent with the PSF data published on 21 September.

Office for Budget Responsibility (OBR)

Further reference information

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/bulletins/publicsectorfinances/august2021>

<https://obr.uk/efo/economic-and-fiscal-outlook-October-2021/>

Table A.1: New welfare cap

Data

Table showing the level of the welfare cap, as well its pathway and margin

Data source, including ONS source code if applicable

HM Treasury

Further reference information

The level of the cap is based on the Office for Budget Responsibility's forecast for benefits in scope, available in the October 2021 Economic and Fiscal Outlook, but is confirmed by HM Treasury

Table A.2: Benefits in scope of the welfare cap

Data

A list of items of welfare expenditure showing those which are in the scope of the welfare cap, and those which are not in scope

Data source, including ONS source code if applicable

HM Treasury

Annex B

Financing annex

Table C.1: Financing arithmetic in 2021-22

Data

Table shows the government's total cash borrowing requirement, and how we will source the finance needed to meet this in 2021-22. It also includes the financing requirement for 2021-22 set at Spring Budget 2021 and Autumn Budget 2021-22.

Data source, including ONS source code if applicable

CGNCR-ex: OBR's Economic and Fiscal Outlook October 2021

Gilt Redemptions: DMO website

Contribution from NS&I: NS&I

Other Financing: HM Treasury forecasts

Financing decisions: HM Treasury policy decision at Autumn Budget and Spending Review 2021

DMO net cash position: DMO website

Further reference information

DMO website announcement and further details of 2021-22 Remit at Autumn Budget and Spending Review 2021 will be published at:

<https://www.dmo.gov.uk/responsibilities/financing-remit/full-details/>

Table C2: Illustrative gross financing requirement

Data

Table shows the government's expected cash borrowing requirement over the forecast period.

Data source, including ONS source code if applicable

CGNCR-ex: OBR's Economic and Fiscal Outlook October 2021

Gilt Redemptions: DMO website

Annex E

Statistical Annex

Table E.1: Total managed expenditure (TME)

Data

Aggregate figures for public sector current expenditure, public sector gross investment, and total managed expenditure.

Total, resource excluding depreciation and capital departmental expenditure limits (DELs).

Data source, including ONS source code if applicable

OBR Economic and Fiscal Outlook – October 2021

Office for National Statistics: Public sector finances

HM Treasury calculations – Public Expenditure Statistical Analysis 2021

Further reference information

Outturn data (2020-21) can be found in the September ONS Public sector finances analytical tables, at the link below:

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/datasets/publicsectorfinances>

The OBR's 'Economic and fiscal outlook', October 2021 provides the forecast for Public Sector Current Expenditure, Public Sector Gross Investment and Total Managed Expenditure from 2020-21 onwards.

AARGs are calculated using the OBR's forecast of the GDP deflator in the OBR, 'Economic and fiscal outlook', October 2021.

The 2019-20 and 2020-21 Resource DEL and Capital DEL figures are final outturn as published in Public Expenditure Statistical Analysis 2021 (PESA).

Table E.2: Departmental Budgets (Total DEL excluding depreciation)

Data

Total DEL excluding depreciation

Data source

HM Treasury [Public Spending Statistics](#)

HM Treasury DEL plans are used for all years

OBR forecast of allowance for shortfall

Further reference information

OBR, 'Economic and fiscal outlook', October 2021

Table E.3: Departmental Programme and Administration Budgets (Resource DEL excluding depreciation)

Data

Resource departmental expenditure limits (RDEL) excluding depreciation

Data source

Public Spending Statistics – [ad hoc National Statistics release](#)

HM Treasury DEL plans are used for all years

Table E.4: Departmental Capital Budgets - Capital DEL (CDEL)

Data

Capital departmental expenditure limits (CDEL)

Data source, including ONS source code if applicable

HM Treasury [Public Spending Statistics](#)

HM Treasury DEL plans are used for all years

OBR forecast of allowance for shortfall

Table E.5: Departmental Capital Financial Transactions Budgets (Capital DEL FTs) Financial transactions

Data

Financial transactions: impact on public sector net debt

Data source, including ONS source code if applicable

HM Treasury [Public Spending Statistics ad-hoc release 27 October 2021.](#)

HM Treasury DEL plans are used for all years

OBR forecast of allowance for shortfall

Further reference information

<https://www.ons.gov.uk/economy/governmentpublicsectorandtaxes/publicsectorfinance/bulletins/publicsectorfinances/august2021>

<https://obr.uk/efo/economic-and-fiscal-outlook-October-2021/>

Table E.6: Departmental Budgets for 2021-21

Data

RDEL and CDEL: Core and Covid plans for 2021-22.

Data source

2021-22 figures reflect the control totals set at Spending Review 2020, adjusted for budgetary changes at and since Spring Budget 2021. These are subject to revision through the 2021-22 Supplementary Estimates. Covid figures are Covid plans 2021-22.

These are not official statistics.

Table E.7: Total Ringfenced COVID-19 funding

Data

RDEL and CDEL COVID-19 funding - outturn for 2019-20, 2020-21 and Covid plans for 2021-22

Data source

2019-20 and 2020-21 figures reflect final Public Expenditure Statistical Analysis outturn (<https://www.gov.uk/government/collections/public-expenditure-statistical-analyses-pesa>), adjusted for provisional estimates of core spending (shown in the Resource DEL and Capital DEL tables), with the exception of the devolved administrations, where figures represent the Barnett consequentials they received from departmental COVID-19 funding less the element they carried forward from 2020-21 into 2021-22 in March 2021. The final outturn data for departments is available in their Annual Reports and Accounts.

2021-22 figures reflect the control totals set at Spending Review 2020, adjusted for budgetary changes at and since Spring Budget 2021. These are subject to revision through the 2021-22 Supplementary Estimates.

Further reference information

Table E.8: Departmental Administration Budgets Expenditure and Budgets

Departmental administration budgets within Resource DEL excluding depreciation

Data source

Public Spending Statistics – [ad hoc National Statistics release](#)
HM Treasury DEL plans are used for all years

These are not official statistics

HM Treasury contacts

This document can be downloaded from www.gov.uk

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