



HM Revenue  
& Customs

Coverage:  
United Kingdom

Theme:  
The Economy

Released:  
April 2015

Next release:  
April 2016

Frequency of release:  
Annual

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# Income Tax Deducted from Pay Statistics 2004-05 to 2012-13



# Income Tax Deducted from Pay Statistics

April 2015

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## **About These Statistics**

This is a National Statistics publication produced by HM Revenue and Customs using employer annual return information from HMRC's administrative systems. For more information on National Statistics and governance of statistics produced by public bodies please see the UK Statistics Authority website: <http://www.statisticsauthority.gov.uk/>.

The tables in this publication show the distribution by industry of income tax deducted from pay.

## **New or Updated Statistics in this Release**

These statistics were published on 30 April 2015. There were no changes to statistics for 2010-11 and earlier. Figures for 2011-12 have been revised - they were published provisionally in April 2014. This is the first publication of figures for 2012-13.

The next release of income tax deducted from pay statistics will be in April 2016.

## 1. Introduction

### 1.1 What is income tax?

Income tax is an annual tax on an individual's income for a tax year (6 April to the 5 April the following year). It is the UK Government's largest single source of tax revenue.

The amount of income tax an individual should pay, their tax liability, is determined by a number of factors; their level of income, the type of income and the level of allowance to which they are entitled.

For more information about the income tax liability of an individual see the income tax liabilities statistics release<sup>1</sup>. Further information is also available on the HMRC website<sup>2</sup>.

Income tax is collected by HM Revenue and Customs (HMRC). The way in which income tax is collected is dependent on the type of income an individual has and the total income of that taxpayer.

For most individual taxpayers, income tax on employment income or occupational pensions is collected through Pay As You Earn (PAYE) where income tax is calculated and deducted from the taxpayer's pay or pension before being paid over directly to HMRC by the employer or pension provider.

These statistics relate to tax on pay which has been collected through PAYE.

### 1.2 What information does this publication cover?

This publication shows percentage distribution of income tax deducted from pay, by industry. The table currently covers years 2004-05 to 2012-13.

### 1.3 Who might be interested in this publication?

This table is likely to be of interest to policy makers in government, academics, think-tanks and other research bodies and journalists. It would be of use to individuals or organisations interested in the industry distribution of income tax deducted from pay. This table is likely to have the generic use: informing the general public's choices about the state of the economy, society and the environment<sup>3</sup>.

### 1.4 Comparison with other publications

In addition to Table 2.10, HMRC publish statistics on Income Tax Liabilities at Tables 2.1 – 2.7, 3.1 – 3.15 and Income Tax Receipts at Tables 2.8 and 2.9. Liabilities are amounts of tax due on incomes arising in a given tax year, whereas receipts show amounts paid and collected in a given year.

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<sup>1</sup> <https://www.gov.uk/government/statistics/income-tax-liabilities-statistics-tax-year-2012-to-2013-to-tax-year-2014-to-2015>

<sup>2</sup> <https://www.gov.uk/income-tax>

<sup>3</sup> <http://statisticsauthority.gov.uk/assessment/monitoring/monitoring-reviews/monitoring-brief-6-2010--the-use-made-of-official-statistics.pdf>

Table 2.10 shows the distribution of tax deducted from pay by employers, based on the industrial classification of the employer. In PAYE, the amount of tax deducted is determined by the income in that employment and the application of a tax code that may reflect not just the personal allowance but also a range of coding allowances for such things as non-pay income, deductions, reliefs and over/underpayment of tax for previous years. In some cases, adjustments will be needed after the end of the tax year to ensure the correct liability is charged. So the figures in Table 2.10 may not match the liability figures in other tables.

For more information on income tax liability statistics see income tax liabilities statistics release<sup>4</sup> and personal incomes statistics release.<sup>5</sup> Estimates may differ from receipts statistics due to timing effects. Receipts are reported by tax year received by HMRC whereas tax deducted is recorded against accrued pay period. For more information on income tax receipt statistics see income tax receipt statistics release.<sup>6</sup>

### **1.5 Rounding**

Figures in the table are rounded to 1 decimal place. Percentages are calculated using unrounded figures.

### **1.6 Publication and Revisions strategy**

These statistics are published annually, usually in April. The schedule of updates<sup>7</sup> for HMRC statistics is published on GOV.UK.

Delays to this publication, previously announced on the HMRC National Statistics website, will in future be reported through the HMRC Statistics Blog<sup>8</sup> on GOV.UK.

Provisional statistics are provided for the latest tax year and they are revised in the following annual publication. The revisions reflect processing of further data and improvements in identification and exclusion of additional small amounts of occupational pension. These will only be revised further if an error is discovered.

### **1.7 User engagement**

We are committed to providing impartial quality statistics that meet our users' needs. We encourage our users to engage with us so we can improve our official statistics and identify gaps in the statistics that we produce.

Comments or queries on these statistics can also be sent to the statistical contacts named at the end of this section, or through the HMRC Statistics Blog<sup>8</sup> on GOV.UK. We will review user comments on a quarterly basis and use this information to

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<sup>4</sup> <https://www.gov.uk/government/statistics/income-tax-liabilities-statistics-tax-year-2012-to-2013-to-tax-year-2014-to-2015>

<sup>5</sup> <https://www.gov.uk/government/statistics/personal-incomes-statistics-tables-31-to-311-for-the-tax-year-2012-to-2013>;  
<https://www.gov.uk/government/statistics/personal-incomes-statistics-tables-312-to-315a-for-the-tax-year-2012-to-2013>

<sup>6</sup> <https://www.gov.uk/government/statistics/income-tax-receipts-statistics-2002-to-2014>

<sup>7</sup> <https://www.gov.uk/government/statistics/schedule-of-updates-for-hmrcs-statistics>

<sup>8</sup> <https://hmrcstatistics.blog.gov.uk/>

influence the development of our official statistics. We will summarise and publish user comments annually.

We also encourage users to participate in an Income Tax Deducted from Pay Statistics survey which can be found at the following link:

[https://www.surveymonkey.com/s/Income Tax Deducted from Pay](https://www.surveymonkey.com/s/Income_Tax_Deducted_from_Pay)

We will review user comments periodically and use this information to influence the development of our official statistics.

The results from the user survey held between March and June 2012 are available at:

[http://webarchive.nationalarchives.gov.uk/\\*/http://www.hmrc.gov.uk/statistics/industry/results-usi-pay-april13.pdf](http://webarchive.nationalarchives.gov.uk/*/http://www.hmrc.gov.uk/statistics/industry/results-usi-pay-april13.pdf)

All data derived from the survey are the property of HM Revenue & Customs, not the third party technology provider, and will not be divulged or shared with any third parties. Some data may be disclosed in response to a Freedom of Information request, but any personal data will be protected in accordance with our obligations under the Data Protection Act.

## **Statistical contacts**

Enquiries about these statistics should be directed to the statisticians who are responsible for this publication:

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Any media enquiries should be directed to the HMRC Press Office contacts listed on the front page of this release.

## 2. Income Tax Deducted from Pay Statistics Table

This publication covers:

Table 2.10: Pay-As-You-Earn Tax deducted from pay (excluding pension), by industry.

Table 2.10 gives the distribution by industry of income tax deducted from pay.

Full detail of data sources and methodology can be found in Annex A.

These figures are based on a 1% sample of PAYE administrative information.

These figures show the distribution of tax deducted from pay (excluding pensions) by employers under the PAYE system by industry group. A small amount of tax from occupational pensions is included in this table as it is not always possible to distinguish pensions from pay when they are in the same PAYE scheme.

The industry groups used in the table are based on the UK Standard Industrial Classification of Economic Activities (SIC). The classification was updated in 2003 and 2007. All industry detail for years to 2006-07 is based on SIC2003. For 2007-08, results are presented on both SIC2003 and SIC2007 bases for comparison of changes in classification. The industry detail for 2008-09 onwards is based on SIC2007 only.

The industry groups in the table each comprise one or several Sections from the Standard Industrial Classification. Sections in SIC2003 may have different coverage to Sections in SIC2007 even if they share the same Section Letter and/or broad text description. See Annex A Industry Comparisons over time.

## 3. Statistical Commentary

### 3.1 Summary of key statistics

- The industry groups accounting for the largest share of tax deducted from pay in 2012-13 are Financial and Insurance Activities (16.3%), Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles (10.6%) and Manufacturing (10.3%).

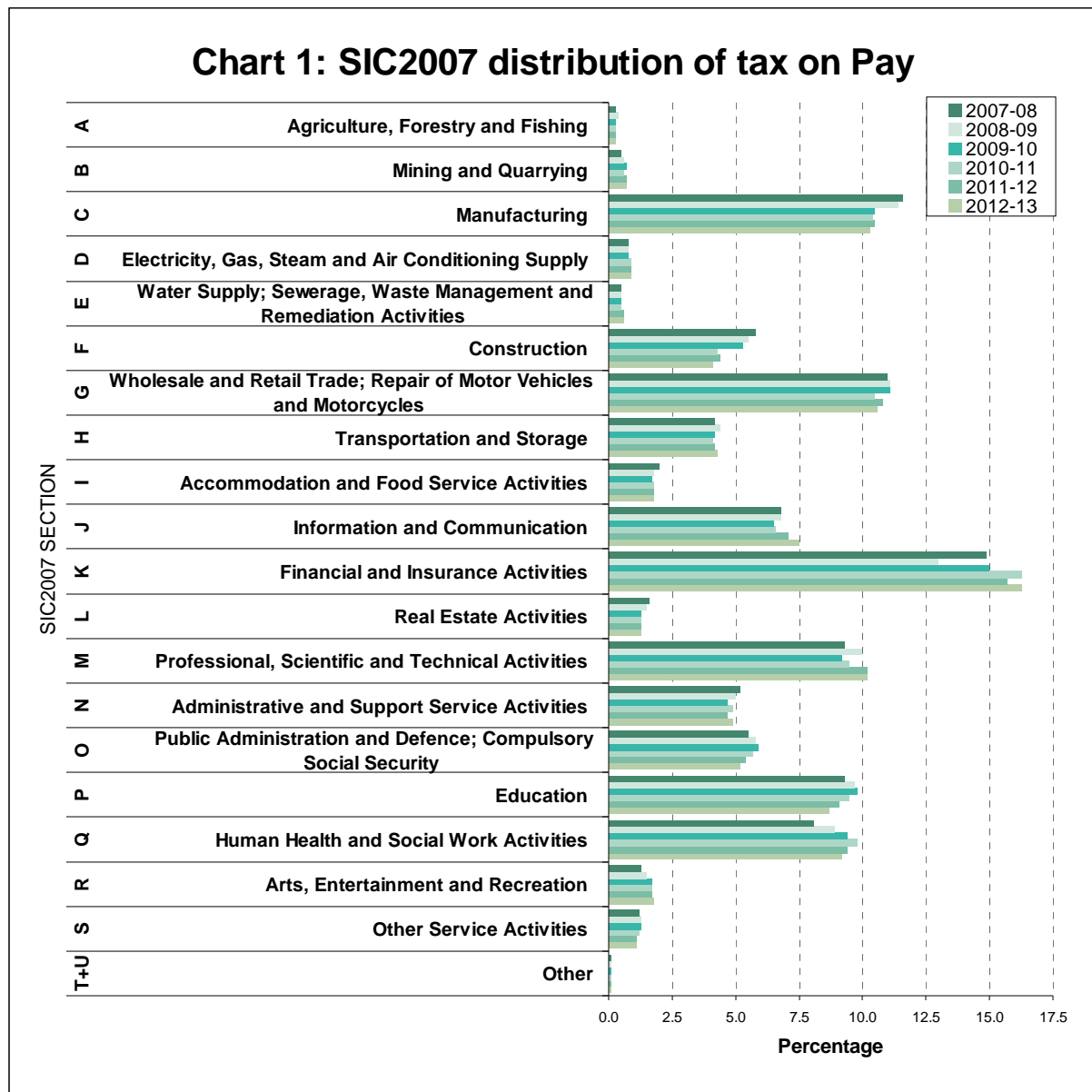
### 3.2 Overall Trends

Chart 1 shows the distribution by industry (under SIC2007) of tax deducted from pay for 2007-08, to 2012-13.

Financial and Insurance Activities accounted for most tax in each of the six years. The proportion of tax was 14.9% in 2007-08, falling to 13.0% in 2008-09 and recovering to 15.0% in 2009-10, increasing further to 16.3% in 2010-11, decreasing to 15.7% in 2011-12 and recovering to 16.3% in 2012-13.

Manufacturing accounted for 11.6% of tax in 2007-08, falling to 11.4% in 2008-09, 10.5% in 2009-10, 10.4% in 2010-11, increasing slightly to 10.5% in 2011-12 and then falling to 10.3% in 2012-13.

Wholesale and Retail Trade: Repair of Motor Vehicles and Motorcycles accounted for around 11% of tax in the first three years, falling to 10.5% in 2010-11, rising to 10.8% in 2011-12 and falling to 10.6% in 2012-13.





# T2.10 Pay-As-You-Earn Tax deducted from pay (excluding pension), by industry

		Percentages			
Industry based on SIC 2003 <sup>1</sup>		2004-05	2005-06	2006-07	2007-08
A+B	Agriculture, forestry and fishing	0.4	0.4	0.4	0.4
C	Mining and quarrying	0.4	0.4	0.6	0.5
D	Manufacturing	14.6	14.1	13.3	12.6
E	Electricity, gas and water supply	0.6	0.7	0.7	0.8
F	Construction	5.0	4.9	5.0	5.3
G	Wholesale, retail and repairs	11.3	10.9	11.0	11.1
H	Hotels and restaurants	1.8	1.8	1.9	2.0
I	Transport, storage and communication	6.6	6.4	5.9	6.0
J	Financial intermediation	12.3	12.9	14.6	14.6
K	Real estate, renting and business activities	18.9	19.6	19.7	20.3
L	Public administration and defence	6.0	5.8	5.5	5.3
M	Education	9.5	9.6	9.3	9.2
N	Health and social work	8.7	8.6	8.4	8.2
O	Other services	3.7	3.8	3.6	3.7
Total		100	100	100	100

		Percentages			
Industry based on SIC 2007		2007-08	2008-09	2009-10	2010-11
A	Agriculture, Forestry and Fishing	0.3	0.4	0.3	0.3
B	Mining and Quarrying	0.5	0.6	0.7	0.6
C	Manufacturing	11.6	11.4	10.5	10.4
D	Electricity, Gas, Steam and Air Conditioning Supply	0.8	0.8	0.8	0.9
E	Water Supply; Sewerage, Waste Management and Remediation Activities	0.5	0.5	0.5	0.5
F	Construction	5.8	5.5	5.3	4.3
G	Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	11.0	11.1	11.1	10.5
H	Transportation and Storage	4.2	4.4	4.2	4.1
I	Accommodation and Food Service Activities	2.0	1.8	1.7	1.8
J	Information and Communication	6.8	6.8	6.5	6.6
K	Financial and Insurance Activities	14.9	13.0	15.0	16.3
L	Real Estate Activities	1.6	1.5	1.3	1.3
M	Professional, Scientific and Technical Activities	9.3	10.0	9.2	9.5
N	Administrative and Support Service Activities	5.2	5.0	4.7	4.9
O	Public Administration and Defence; Compulsory Social Security	5.5	5.8	5.9	5.7
P	Education	9.3	9.7	9.8	9.5
Q	Human Health and Social Work Activities	8.1	8.9	9.4	9.8
R	Arts, Entertainment and Recreation	1.3	1.5	1.7	1.7
S	Other Service Activities	1.2	1.3	1.3	1.2
T+U	Other <sup>4</sup>	0.1	0.1	0.1	0.1
Total		100	100	100	100

		Percentages	
Industry based on SIC 2007		2011-12 <sup>2</sup>	2012-13 <sup>3</sup>
A	Agriculture, Forestry and Fishing	0.3	0.3
B	Mining and Quarrying	0.7	0.7
C	Manufacturing	10.5	10.3
D	Electricity, Gas, Steam and Air Conditioning Supply	0.9	0.9
E	Water Supply; Sewerage, Waste Management and Remediation Activities	0.6	0.6
F	Construction	4.4	4.1
G	Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	10.8	10.6
H	Transportation and Storage	4.2	4.3
I	Accommodation and Food Service Activities	1.8	1.8
J	Information and Communication	7.1	7.5
K	Financial and Insurance Activities	15.7	16.3
L	Real Estate Activities	1.3	1.3
M	Professional, Scientific and Technical Activities	10.2	10.2
N	Administrative and Support Service Activities	4.7	4.9
O	Public Administration and Defence; Compulsory Social Security	5.4	5.2
P	Education	9.1	8.7
Q	Human Health and Social Work Activities	9.4	9.2
R	Arts, Entertainment and Recreation	1.7	1.8
S	Other Service Activities	1.1	1.1
T+U	Other <sup>4</sup>	0.1	0.1
Total		100	100

## Table updated April 2015

### Footnotes

- (1) The SIC2003 table and the total on which the sector distribution is based exclude activity relating to private households. This has a negligible impact on sector shares as household activity accounts for less than 0.1 percent of the total.
- (2) Revisions to previously published figures for 2011-12 reflect processing of further data and improvements to identification and exclusion of additional small amounts of occupational pension. The exclusion of additional amounts of occupational pension has only a negligible effect on industry distribution of PAYE tax.
- (3) Provisional.
- (4) Includes activities of private households and overseas organisations.

### Notes on the Table

1. This table shows the distribution of tax deducted from pay (excluding pensions) by employers under the PAYE system by industry group for years 2004-05 to 2012-13.
2. Industry breakdown is based on the UK Standard Industrial Classification of Economic Activities (SIC). The classification was updated in 1992, 2003 and 2007. All industry breakdowns shown in this table for years to 2006-07 are based on the 2003 SIC which, for the industry groups shown, is equivalent to 1992 SIC. Industry breakdowns for 2007-08 are based on both SIC 2003 and SIC 2007. Industry breakdowns for 2008-09 onwards are based on SIC 2007. The industry breakdown based on SIC 2003 cannot be mapped directly onto the industry distribution based on SIC 2007.
3. A small amount of tax from occupational pensions is included in this table. It is not always possible to distinguish pensions from pay when they are included in the same PAYE scheme.
4. Percentages may not sum to 100% due to rounding.

## **Annex A: Data sources, methodology and data quality**

Data used in the income tax deducted from pay table comes from a 1% sample of HMRC departmental administrative source;

- NPS system (National Insurance and PAYE Service).

PAYE is the system used by HMRC to collect and account for income tax on earnings from employment and pensions. Income Tax and National Insurance Contributions are deducted by the employer and paid over to HMRC on behalf of the individual for each pay period.

NPS was introduced in July 2009 bringing together the National Insurance Recording System (NIRS) and PAYE elements of Computerisation of PAYE (COP). The relevant data to produce these statistics was previously held within NIRS. The move to NPS did not impact on the coverage of these statistics.

Tax on pay is reported by employers to HMRC on a P14. Form P14 is an End of Year summary for an employment that is submitted by the employer to HMRC, showing pay, tax and NI contributions for the year. The employer provides similar information to the employee on an end of year certificate, form P60.

The tax on pay reported on a P14 can relate to pay or occupational pensions. In the majority of cases it is possible to identify whether the P14 relates to pay or pension by looking at the PAYE scheme. Some PAYE schemes include both pay and pension. In some such cases we cannot distinguish pensions from pay and therefore a small amount of tax on occupational pension is included within the published figures.

### **Changes to the PAYE Data**

At the time the PAYE sample was drawn, tax information for a small proportion of employments was not available for the 2012-13 tax year. To complete the estimates of tax by industry section, the industry level tax amounts currently unavailable in the analytical extract were modelled using sample data for previous years and auxiliary information from other sources. This was combined with information already held to derive the predicted full industry share of tax deducted from pay. These adjustments accounted for 1.0% of total tax deducted from pay.

### **Industry allocation methodology**

Each P14 is associated with a PAYE scheme. The Inter-Departmental Business Register (IDBR) contains information about PAYE schemes including industry. A P14 is assigned to an industry by matching PAYE scheme to IDBR.

### **Industry Classification**

The industry groups used in the table are based on the UK Standard Industrial Classification of Economic Activities (SIC). The classification was updated in 2003

and 2007. All industry detail for years to 2006-07 is based on SIC2003. For 2007-08, results are presented on both SIC2003 and SIC2007 bases for comparison of changes in classification. The industry detail for 2008-09 onwards is based on SIC2007 only.

Section letters and descriptions are provided in the tables and full detail can be found by referencing relevant ONS indexes.

<http://www.ons.gov.uk/ons/guide-method/classifications/current-standard-classifications/standard-industrial-classification/index.html>

## **Industry Comparisons over time**

The industry groups in the table each comprise one or several Sections from the Standard Industrial Classification. Sections in SIC2003 may have different coverage to Sections in SIC2007 even if they share the same Section Letter and/or broad text description.

Under SIC2003 Section K Real Estate, Renting and Business Activities was consistently the largest industry group. Under SIC2007 this now forms three separate categories Section L Real Estate Activities, Section M Professional, Scientific and Technical Activities and Section N Administrative and Support Service Activities. Together these would form the largest industry group. There are many more differences in coverage which may not be immediately obvious at section level therefore analysis over time should be undertaken with caution.

When providing figures under SIC2003, Section P – Activities of Private Households has been excluded, Section Q - Activities of Extraterritorial Organisations and Bodies has been treated as industry unknown. When providing figures under SIC2007, Section T – Activities of Private Households and Section U – Activities of Extraterritorial Organisations and Bodies have been included as a combined category.

Employers' PAYE schemes are sometimes restructured or reclassified. Tax for a small number of employees may not therefore be included in the same industry group in all years.

## **Treatment of Industry Unknown**

Every effort is taken to assign tax to an industry group, but in some cases this is not possible.

The amount of tax that could not be allocated to the SIC2003 industry groups ranged from 0.9% in 2000-01 to 0.6% in 2006-07 falling to 0.2% in 2007-08. This tax has been allocated pro-rata across all SIC2003 industry groups.

The amount of tax that could not be allocated the SIC2007 industry groups was 0.4% in 2007-08, 0.2% in 2008-09, 0.1% in 2009-10, 0.2% in 2010-11, 0.1% in 2011-12 and 0.2% in 2012-13. This tax has been allocated pro-rata across all SIC2007 industry groups.

## **Quality Report**

A background quality report for these statistics can be found at

<https://www.gov.uk/government/statistics/quality-report-income-tax-deducted-from-pay-statistics>