

## Department for Business Innovation & Skills

Public Research And Innovation Expenditure

Geographic breakdown of public research and innovation expenditure

JUNE 2015

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# Public research and innovation expenditure

The following tables and figures present 2013/14 data on the geographic distribution of public research and innovation expenditure carried out by Innovate UK, the Research Councils, Higher Education Funding Councils for England, Wales, Scotland and Northern Ireland.

Data are presented in absolute levels and then on a per capita basis.

Table 1: Public expenditure on research and innovation (£m) and share of total UK expenditure (%), 2013-14

	Population (million persons)	Research Councils research expenditure (£m)	Higher Education Funding Councils (HEI recurrent research grants) (£m)	Innovate UK expenditure (£m)		
England	53.9	2,460	1,559	427		
East	6.0	402	165	18		
East Midlands	4.6	214	101	44		
West Midlands	5.7	214	94	31		
London	8.4	620	456	59		
North East	2.6	70	66	73		
North West	7.1	197	160	23		
South East	8.8	633	277	83		
South West	5.4	134	100	82		
Yorkshire and the Humber	5.3	151	139	14		
Scotland	5.3	315	282	50		
Wales	3.1	70	70	7		
Northern Ireland	1.8	20	50	6		
United Kingdom	64.1	2,865	1,961	490		

Sources: Population: Office for National Statistics mid-2013 population estimates <a href="http://www.ons.gov.uk/ons/rel/pop-estimate/population-estimates-for-uk--england-and-wales--scotland-and-northern-ireland/2013/stb---mid-2013-uk-population-estimates.html">http://www.ons.gov.uk/ons/rel/pop-estimates-for-uk--england-and-wales--scotland-and-northern-ireland/2013/stb---mid-2013-uk-population-estimates.html</a>. Research Council Expenditure: <a href="http://www.rcuk.ac.uk/about/aboutrcs/research-funding-across-the-uk/">http://www.rcuk.ac.uk/about/aboutrcs/research-funding-across-the-uk/</a>. Data includes grants to Higher Education Institutions for grants, studentships, fellowships as well as funding to Research Council Institutes, IROs, infrastructure funding. Higher Education Funding Council data obtained from Higher Education Statistics Agency HE Finance Plus 2013/14 volumes – Table 6b. <a href="https://www.hesa.ac.uk">https://www.hesa.ac.uk</a>. Innovate UK figures relate to monies paid, by way of grant funding, to organisations within each region for the period. The figures relate only to Innovate UK's core funding received from BIS, and excludes funding relating to Industrial Strategy and other BIS priorities and funding provided to Innovate UK by other Government Departments.

Notes: Excludes National Academies, UK Space Agency and UK Atomic Energy Authority. Data for Higher Education Funding Council research funding are based on academic years (August to July); data on Research Council and Innovate UK research and innovation expenditure are based on financial years (April to March).



#### Figure 1: Population, mid-2013 estimates

Notes: Sources and notes in Table 1

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#### Figure 2: Research Council expenditure on research and innovation (£m), 2013-14



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Figure 3: Higher Education Funding Council recurrent research grant expenditure on research and innovation (£m), 2013-14



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#### Figure 4: Innovate UK expenditure on research and innovation (£m), 2013/14



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	Research Councils research expenditure per head (£)	Higher Education Funding Councils per head (Recurrent research grants) (£)	Innovate UK expenditure per head (£)			
England	£45.7	£ 28.9	£ 7.9			
East	£67.5	£ 27.7	£ 3.0			
East Midlands	620.0	£ 22.0	£ 9.7			
West Midlands	£20.0	£ 16.5	£ 5.5			
London	£73.7	£ 54.2	£ 7.0			
North East	£26.8	£ 25.3	£ 27.9			
North West	£27.7	£ 22.6	£ 3.2			
South East	£72.0	£ 31.5	£ 9.5			
South West	£25.0	£ 18.7	£ 15.2			
Yorkshire and the Humber	£28.3	£ 26.1	£ 2.7			
Scotland	£59.0	£ 53.0	£ 9.5			
Wales	£22.8	£ 22.8	£ 2.3			
Northern Ireland	£11.0	£ 27.2	£ 3.0			
United Kingdom	£44 7	£ 30.6	£ 76			

Table 2: Public expenditure on research and innovation per head of population (£), 2013-14

Sources: BIS Analysis using Population: Office for National Statistics mid-2013 population estimates <a href="http://www.ons.gov.uk/ons/rel/pop-estimate/population-estimates-for-uk--england-and-wales--scotland-and-northern-ireland/2013/stb---mid-2013-uk-population-estimates.html">http://www.ons.gov.uk/ons/rel/pop-estimate/population-estimates-for-uk--england-and-wales--scotland-and-northern-ireland/2013/stb---mid-2013-uk-population-estimates.html</a>. Research Council Expenditure [Data extracted 12 June 2015]: <a href="http://www.rcuk.ac.uk/about/aboutrcs/research-funding-across-the-uk/">http://www.rcuk.ac.uk/about/aboutrcs/research-funding-across-the-uk/</a>. Data includes grants to Higher Education Institutions for grants, studentships, fellowships as well as funding to Research Council Institutes, IROs, infrastructure funding. Higher Education Funding Council data obtained from Higher Education Statistics Agency HE Finance Plus 2013/14 volumes – Table 6b. <a href="https://www.hesa.ac.uk">https://www.hesa.ac.uk</a> . Innovate UK figures relate to monies paid, by way of grant funding, to organisations within each region for the period. The figures relate only to Innovate UK's core funding received from BIS, and excludes funding relating to Industrial Strategy and other BIS priorities and funding provided to Innovate UK by other Government Departments.

Notes: Excludes National Academies, UK Space Agency and UK Atomic Energy Authority. Data for Higher Education Funding Council research funding are based on academic years (August to July); data on Research Council and Innovate UK research and innovation expenditure are based on financial years (April to March). Figure 5: Research Council expenditure on research and innovation per head of population (£), 2013-14



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Figure 6: Higher Education Funding Council recurrent research grant expenditure on research and innovation per head of population (£), 2013-14



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Figure 7: Innovate UK expenditure on research and innovation per head of population (£), 2013-14

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### Figure 8: Total public expenditure on research and innovation per head of population (£), 2013-14



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The table below presents time series data showing the change in Research Council research grant and contract funding and Higher Education Funding Council research grant funding to UK Higher Education Institutions over the period 1997/98 to 2013/14. The data also presents the levels and proportions of the funding going to Higher Education Institutions in London, the University of Cambridge, Anglia Ruskin University, University of Oxford and Oxford Brookes University over the same time period.

 Table 3: Combined Research Council<sup>1,2</sup> research grants and contracts and Higher Education Funding Council research grant funding to UK Higher Education Institutions, 1997/98-2013/14 (£m)

	1997/ 98	1998/ 99	1999/ 00	2000/ 01	2001/ 02	2002/ 03	2003/ 04	2004/ 05	2005/ 06	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11	2011/ 12	2012/ 13	2013 /14
Golden Triangle <sup>3</sup>	496	560	586	626	660	683	737	792	927	996	1,109	1,187	1,242	1,250	1,248	1,265	1,33 6
England	1,159	1,297	1,360	1,461	1,556	1,621	1,729	1,851	2,144	2,305	2,530	2,701	2,863	2,824	2,762	2,789	2,89 8
UK	1,417	1,571	1,647	1,766	1,890	1,997	2,134	2,285	2,617	2,824	3,120	3,365	3,560	3,511	3,439	3,484	3,62 7
Golden Triangle as share of funding in England (%)	42.8	43.1	43.1	42.9	42.4	42.2	42.6	42.8	43.2	43.2	43.8	44.0	43.4	44.3	45.2	45.4	46.1

Source: BIS analysis of the HESA Finance Volumes 1997/98-2003/04 and Finance Plus Volume 2005/06-2013/14

Notes:

<sup>1</sup>Data does not include the Learned Societies and National Academies.

<sup>2</sup> Research Council Research Grants and Contracts to UK Higher Education Institutions will not be the same as Research Council expenditure set out in the previous tables. <sup>3</sup> Golden Triangle defined as the University of Cambridge, Anglia Ruskin University, University of Oxford, Oxford Brookes University and all Higher Education Institutions in the London region.



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BIS/15/350