



**Universities UK**

**Celebrating 90 years**

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Higher education in  
**FACTS & FIGURES**

# **HEALTH EDUCATION & RESEARCH**

**SUMMER 2008**



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**Celebrating 90 years**

**1918–2008**

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Summer 2008

# STUDENTS

## HIGHER EDUCATION IN FACTS AND FIGURES: HEALTH EDUCATION AND RESEARCH

The partnership between universities and the health service encompasses teaching, research and service delivery. Universities provide virtually all the pre-registration education for the nation's doctors, dentists, nurses, midwives and allied health professionals. Of the 132 UUK members, at least 95 undertake some health-related education or research.

In this briefing about health staff and students in UK universities, health professionals incorporate the following subject disciplines, unless otherwise indicated: Medicine, Dentistry, Anatomy, Physiology, Pathology, Pharmacology, Toxicology, Pharmacy, Complementary Medicine, Nutrition, Ophthalmic, Aural and Oral Sciences, Nursing (including midwifery) and Medical technology.

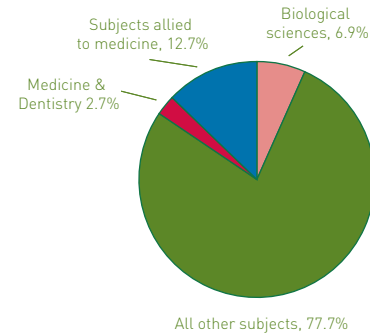
University staff and students make an often unrecognised contribution to patient care in the NHS and clinical academic staff deliver and often lead patient care alongside their NHS colleagues and healthcare students. Many of these professionals will also work in the voluntary and independent sectors as well, and others will go on to contribute to health research, helping to maintain the UK's worldwide lead in pharmaceuticals and bio-medicine.

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### UNDERGRADUATE AND POSTGRADUATE STUDENTS AT UK HIGHER EDUCATION INSTITUTIONS, 2006/07

#### UK Student figures by subject group, 2006/07

All subject areas total	2,362,815
Medicine & dentistry	63,245
Subjects allied to medicine	300,900
Biological sciences	164,215
All other subjects	1,834,455



Source: Higher Education Statistics Agency (HESA) (2008): Students in Higher Education Institutions

### TRENDS IN HEALTH STUDENT NUMBERS, 2002/03 - 2006/07

Selected health subjects	2002/03	2006/07	Percentage change
Nursing	176,500	183,580	4.0%
Others in subjects allied to medicine	41,165	49,450	20.1%
Clinical medicine	29,060	39,980	37.6%
Pharmacology, toxicology and pharmacy	15,660	21,675	38.4%
Anatomy, physiology and pathology	12,625	16,930	34.1%
Pre-clinical medicine	13,360	15,495	16.0%
Medical technology	6,595	8,325	26.2%
Complementary medicine	2,985	6,765	126.6%
Nutrition	2,955	5,845	97.8%
Clinical dentistry	4,330	5,830	34.6%
Aural and oral sciences	2,760	4,080	47.8%
Ophthalmics	3,745	3,290	-12.1%
Pre-clinical dentistry	1,560	1,245	-20.2%
Broadly-based programmes within subjects allied to medicine	1,435	965	-32.8%
Others in medicine and dentistry	605	685	13.2%

Source: Higher Education Statistics Agency (HESA) (2008): Students in Higher Education Institutions, various years.

### HEALTH PROVISION AT HIGHER EDUCATION INSTITUTIONS IN THE UK, 2006/07

TOTAL NUMBERS OF 'HEALTH' HE STUDENTS	NUMBER OF INSTITUTIONS
Less than 1,000	33
1,000 - 2,000	22
2,000 - 3,000	19
3,000 - 4,000	14
4,000 - 5,000	16
5,000 - 7,500	17
More than 7,500	5
<b>Total</b>	<b>126</b>

Average number of 'health' students	
mean	2,890
median	2,635

Health provision classed as all provision under 'Medicine and Dentistry' and 'Subjects Allied to Medicine' subject groups. This table includes all publicly funded UK HEIs and the University of Buckingham.  
 Source: Higher Education Statistics Agency (HESA): Resources of Higher Education Institutions 2006/07, table 1a, Students in Higher Education Institutions 2006/07, table 0a, and table 8; Universities UK analysis.

### GRADUATES IN HEALTH SUBJECTS, OECD COUNTRIES, 2005

United States	368,966
<b>United Kingdom</b>	<b>110,005</b>
Italy	104,083
Japan	84,716
France	73,325
Poland	68,780
Mexico	58,021
Spain	57,049
Australia	56,906
Germany	53,031
Korea (Republic of)	44,157
Canada	37,158
Turkey	33,221
Netherlands	29,582
Sweden	25,333
Portugal	21,319
Denmark	18,002
Norway	14,894
Finland	13,192
New Zealand	10,886
Belgium	10,352
Ireland	9,614
Hungary	9,091
Czech Republic	6,053
Slovak Republic	5,751
Switzerland	4,392
Austria	4,225
Greece	3,726
Iceland	609
<b>OECD median</b>	<b>25,333</b>
<b>OECD mean</b>	<b>46,084</b>

Covers all tertiary level institutions as defined by the OECD.  
 Source: Organisation for Economic Cooperation and Development (OECD) Online education database ([www.oecd.org/education/database](http://www.oecd.org/education/database))

## NOTES

### NURSING STUDENTS IN THE UK, 1994/95 - 2006/07



Source: Higher Education Statistics Agency (HESA) (2008) Students in higher education institutions, various years

# STUDENTS cont.

## MEDICAL AND NURSING GRADUATES, OECD COUNTRIES, 2004

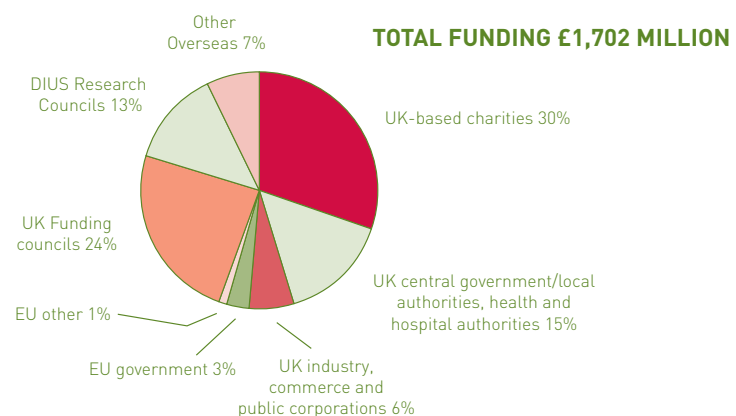
	Medical graduates, density per 1,000 practising physicians	Nursing graduates, density per 1,000 practising nurses
Australia	32	28.7
Austria	..	38.1
Canada	26	25.3
Czech Republic	23	58.9
Denmark	40	45.4
France	18	44.6
Hungary	33	52.1
Iceland	33	31.5
Ireland	57	29.6
Italy	27	23
Japan	29	..
Korea	56	152.5
Netherlands	29	25.6
New Zealand	38	..
Norway	29	50.6
Sweden	25	40
Switzerland	24	44.7
Turkey	43	30.7
<b>United Kingdom</b>	<b>35</b>	<b>36.6</b>
United States	27	..

Covers all tertiary level institutions as defined by the OECD.

Source: Organisation for Economic Cooperation and Development (OECD) Online education database ([www.oecd.org/education/database](http://www.oecd.org/education/database))

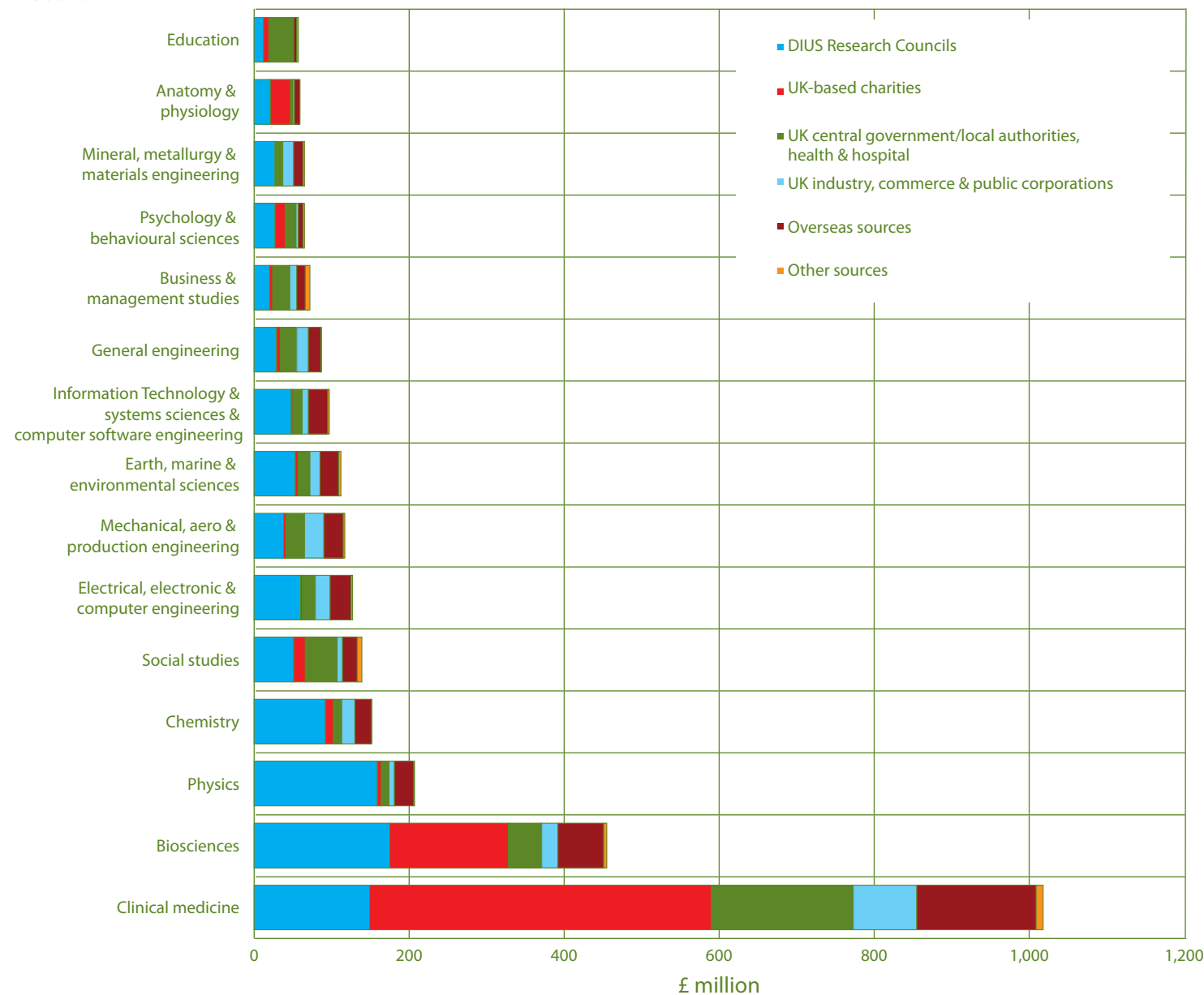
# FINANCE

## HEALTH RESEARCH FUNDING FOR HIGHER EDUCATION INSTITUTIONS IN THE UK, 2006/07



Source: Higher Education statistics Agency (HESA) (2008): Finance Plus, Table 4, Research grants and contracts income by institutions, cost centre and source, 2006/07, Higher Education Funding Council for England, Scottish Funding Council and Higher Education Funding Council for Wales 2006/07 QR allocations by unit of assessment

## RESEARCH GRANTS AND CONTRACTS INCOME, 2006/07 BY SOURCE



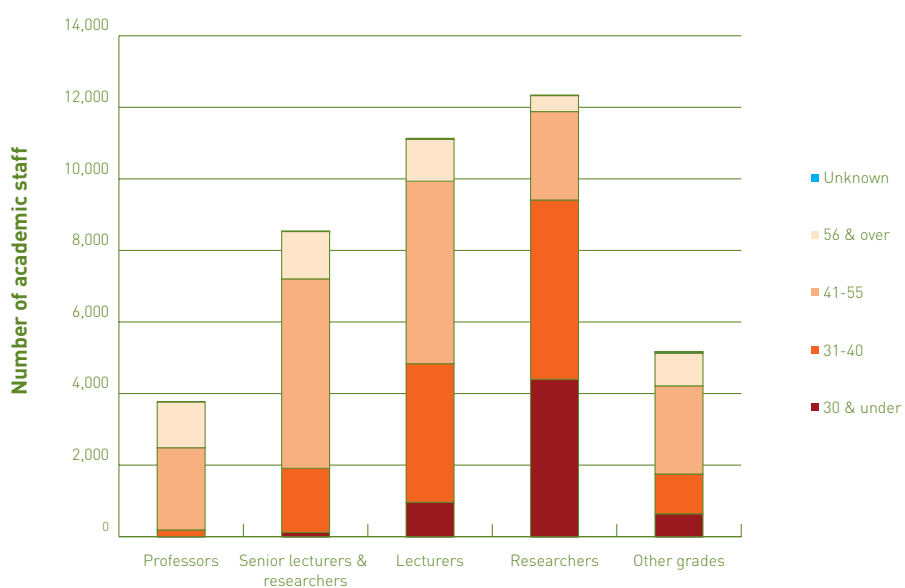
## UK MEDICAL AND DENTAL SCHOOLS (AS AT AUGUST 2008)

	Medical schools	Dental schools
England	24	11
Scotland	5	3
Wales	2	1
Northern Ireland	1	1
<b>United Kingdom</b>	<b>32</b>	<b>16</b>

Source: Higher Education Funding Council for England, Scottish Funding Council, Higher Education Funding Council for Wales, Department for Employment and Learning, Northern Ireland.

## NOTES

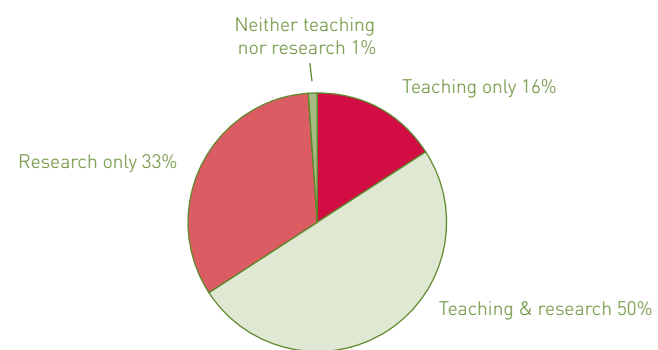
## UK HEALTH ACADEMIC STAFF BY GRADE AND AGE, 2006/07



Source: Higher Education Statistics Agency (HESA) (2008): Resources of Higher Education Institutions, 2006/07, Table 11

# STAFF

## HEALTH ACADEMIC STAFF ACTIVITY AT UK HIGHER EDUCATION INSTITUTIONS, 2006-07



All medicine, dentistry and health academic staff	40,930
Teaching only	6,470
Teaching & research	20,695
Research only	13,465
Neither teaching nor research	300

Source: Higher Education Statistics Agency (HESA) (2008): Resources of higher education institutions, Table 18

## HEALTH ACADEMIC STAFF AT UK HIGHER EDUCATION INSTITUTIONS BY GRADE, 2002/03 - 2006/07

	2002/03	2003/04	2004/05	2005/06	2006/07	Change between 2002/03 - 2006/07
<b>Medicine, dentistry &amp; health</b>	<b>32,050</b>	<b>36,210</b>	<b>38,330</b>	<b>39,660</b>	<b>40,930</b>	<b>27.7%</b>
Professors	2,900	2,875	3,125	3,510	3,770	30.0%
Senior lecturers & researchers	5,330	6,040	5,985	6,780	8,530	60.0%
Lecturers	10,005	12,020	12,245	12,005	11,125	11.2%
Researchers	11,305	10,840	11,215	11,745	12,330	9.1%
Other grades	2,510	4,435	5,755	5,625	5,175	106.2%

Source: Higher Education Statistics Agency (HESA) (2008): Resources of Higher Education Institutions, various years.