

HEALTH DATA**Top 20 European institutions in clinical medicine research**

Many hospital pharmacies are involved in clinical research as the EU Clinical Trials Directive 2001/20/EC requires a pharmacist to take responsibility for the quality of experimental medicines.

The Times Educational Supplement published a 'top 20' of the institutions in clinical medicine research (21 May 2009). The data were obtained from the Essential Science Indicators database of Thomson Reuters, covering the period January 1998 to December 2008.

A total of 292,400 institutions were surveyed and 2,924 institutions were listed in the field of clinical medicine. Of the 2,924, a total of 98 institutions collected

100,000 or more citations. The institutions listed were ranked in the top 1% for a field over a given period, based on total citations. Naturally, institutions publishing larger numbers of papers have a greater likelihood of collecting more citations than those publishing fewer papers. However this ranking is by citations per paper (impact). This seeks to reveal 'heavy hitters' based on per-paper influence, not mere output volume. Also appearing is the world rank by impact for each of these European institutions.

<http://scientific.thomsonreuters.com/products/esi>

Rank in Europe	Rank in world	University	Papers	Citations	Citations per paper
1	20	Erasmus University Rotterdam	7,108	166,015	23.36
2	25	University of Cambridge	4,795	107,088	22.33
3	26	University of Oxford	6,706	149,545	22.30
4	31	University of Glasgow	4,908	104,245	21.24
5	40	University of Helsinki	10,169	206,196	20.28
6	50	Imperial College London	7,550	145,914	19.33
7	59	University of Amsterdam	8,123	150,269	18.50
8	60	Karolinska Institute	12,787	236,174	18.47
9	61	Humboldt University of Berlin/Charité	6,097	112,420	18.44
10	62	Leiden University	8,150	149,851	18.39
11	68	University College London	16,761	302,182	18.03
12	77	Uppsala University	6,327	105,962	16.75
13	79	University of Milan	8,722	145,331	16.66
14	80	Utrecht University	8,418	137,602	16.35
15	81	Aarhus University	6,340	103,629	16.35
16	82	University of Vienna	8,579	140,063	16.33
17	84	King's College London	8,359	136,382	16.32
18	85	Maastricht University	6,247	100,910	16.15
19	88	University of Zurich	8,638	137,050	15.87
20	89	Lund University	8,041	127,533	15.86