

Annex D

International comparisons of research spending and performance

Table D1 Gross expenditure on R&D (at purchasing parity prices £PPP) for 1997 in the UK, Germany, France, Italy and the US

Research funding	Total (£ bn at PPP)	Proportion of research funding provided by Government	Research funding as a proportion of GDP
UK	14.7	30.8%	1.80%
Germany	29.3	35.0%	2.39%
France	19.2	41.5%	2.26%
Italy	8.2	47.9%	1.05%
USA	140.3	31.6%	2.64%

Table D2 Papers per \$ million, citations per \$ million, and papers per researcher for selected leading industrialised nations (1997)

	Papers per \$ Million ¹	Rank	Citations per \$ Million ²	Rank	Papers per researcher ³	Rank
United Kingdom	16.0	1	70.5	1	11.2	4
Canada	14.7	2	61.0	3	10.9	5
Australia	13.9	3	48.3	7	10.2	6
Ireland	12.9	4	38.2	10	7.0	11
Spain	12.1	5	36.3	11	5.2	13
Sweden	11.3	6	52.3	4	15.7	1
Switzerland	10.9	7	65.7	2	15.3	2
Netherlands	10.3	8	48.7	6	11.3	3
France	9.8	9	38.3	9	8.4	9
Belgium	9.5	10	41.3	8	9.9	7
United States	9.2	11	49.0	5	9.2	8
Italy	9.0	12	34.0	12	5.6	12
Germany	7.9	13	31.9	13	7.2	15
Portugal	7.2	14	17.9	15	1.8	16
Austria	7.1	15	25.9	14	7.3	10
Japan	3.6	16	11.7	16	4.5	14

Source: Katz, 2000 - taken from OECD, Main Science and Technology Indicators, OECD Statistics, 1999 and ISI National Science Indicators

1. This number refers to higher education R&D expenditures in 1997 in \$ dollar PPP.

2. This number refers to number of citations per paper from ISI National Science Indicators

3. This number refers to number of papers per researcher, OECD sources.

Source: Katz, 2000 - taken from OECD, Main Science and Technology Indicators, OECD Statistics, 1999 and ISI National Science Indicators

1. Higher education R&D expenditures in 1997 in \$ dollar PPP.

2. Number of citations per paper from ISI National Science Indicators.

3. OECD sources.

See also Table C1 for comparisons of in-house corporate R&D by business in selected OECD countries and Table G5 for a comparison of selectivity in the UK compared with the US.