

## VALUE ADDED BY ACTIVITY

The contributions of primary, secondary and tertiary activities to total value added have changed sharply over recent decades. Agriculture, fishing and forestry are now relatively small in almost all OECD countries. The share of manufacturing has also fallen while services now account for well over 60% of total gross value added in most OECD countries.

### Definition

Gross value added is defined as output minus intermediate consumption and equals the sum of employee compensation, gross operating surplus of government and corporations, gross mixed income of unincorporated enterprises and taxes less subsidies on production and imports, except for net taxes on products. The shares of each sector are calculated by dividing the value added in each sector by total value added. Total value added is less than GDP because it excludes value-added tax (VAT) and other product taxes.

In the following analysis, tables and graphs for some industry branches are grouped together as follows: “industry” consists of mining and quarrying, manufacturing, and production and distribution of electricity, gas and water; “trade” consists of retail and wholesale trade and repair services; “real estate” covers rents for dwellings including the imputed rents of owner-occupiers; “government” includes public administration, law and order and defence.

### Comparability

All OECD member countries follow the international 1993 System of National Accounts, so there is good comparability between countries as regards the definitions of value added and the coverage of the six sectors. It's important to recognise however that part of the decline of industry and the rise of service activities reflects the outsourcing of

service activities that were previously carried out internally within industrial enterprises, and so, in this sense these movements overstate real changes in these activities. For example, if cleaning and security services were earlier provided by employees of a manufacturing enterprise, their salaries would have formed part of value added by industry, but if these services are now purchased from specialised producers, the salaries of the employees will form part of the value added of “other business services”. There will appear to have been a decline in the share of industry and a rise in the share of services although there may have been no change in the quantity of cleaning and security services actually produced.

Note that for Australia and New Zealand data refer to fiscal year.

### Source

- OECD (2008), *National Accounts of OECD Countries*, OECD, Paris.

### Further information

#### Analytical publications

- Lal, K. (2003), *Measurement of Output, Value Added, GDP in Canada and the United States*, OECD Statistics Working Papers, No. 2003/4, OECD, Paris.
- OECD (1996), *Services: Measuring Real Annual Value Added*, OECD, Paris.
- OECD (2002), *Measuring the Non-Observed Economy: A Handbook*, OECD, Paris.

#### Online databases

- STAN: OECD Structural Analysis Statistics – online database.

#### Websites

- OECD National Accounts Archive, [www.oecd.org/std/national-accounts/papers](http://www.oecd.org/std/national-accounts/papers).
- OECD National Accounts, [www.oecd.org/std/national-accounts](http://www.oecd.org/std/national-accounts).

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### Long-term trends

The share of agriculture, etc., has been declining throughout the period in almost all countries and, towards the end of the period, makes a significant contribution only in Iceland (fishing), New Zealand and Turkey. Shares in industry have also been falling throughout the period. Manufacturing is the most important activity within industry except in Norway, where oil and gas production is more important.

All service activities account for around 70% of total gross value added for the OECD countries as a whole, with very high shares in France, Luxembourg and the United Kingdom and rather low shares in the Czech Republic, Korea, Norway and Turkey. It should be noted, however, that, in most countries, the largest part of service value added is goods-related and consists of trade, transport and business services purchased by industry. A high share of service value added does not necessarily mean that a country has become a service economy; the production, transport and distribution of goods remain the predominant activities in most OECD countries in terms of employment and value added.

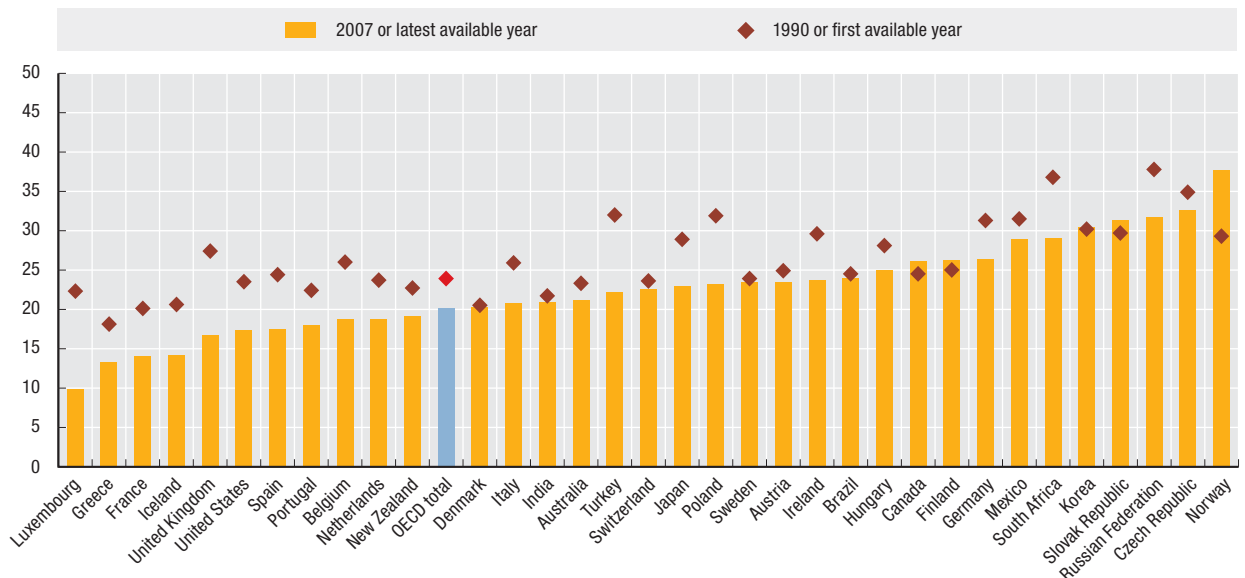
**Value added in agriculture and industry**

As percentage of total value added

	Agriculture, hunting, forestry and fishing							Industry, including energy						
	1990	1995	2000	2004	2005	2006	2007	1990	1995	2000	2004	2005	2006	2007
Australia	3.6	3.8	4.0	3.3	3.1	2.4	2.5	23.3	22.4	20.7	19.8	21.0	21.5	21.2
Austria	4.0	2.6	2.0	1.9	1.6	1.7	1.8	24.9	22.9	23.3	22.2	22.4	23.3	23.5
Belgium	2.1	1.5	1.4	1.1	0.8	0.8	0.8	26.0	23.2	22.0	19.7	19.2	19.2	18.7
Canada	2.9	2.9	2.3	2.2	..	..	..	24.5	25.8	28.2	26.1	..	..	..
Czech Republic	8.7	5.0	3.9	3.3	3.0	2.6	2.4	34.9	31.7	31.6	32.1	31.6	32.0	32.6
Denmark	4.0	3.5	2.6	1.9	1.4	1.4	1.2	20.5	20.4	21.3	19.4	20.1	20.7	20.3
Finland	6.3	4.3	3.5	3.0	3.0	2.5	3.2	25.0	28.4	28.2	26.1	25.4	26.4	26.2
France	3.8	3.4	2.8	2.5	2.3	2.1	2.2	20.1	18.7	17.7	15.4	15.0	14.5	14.1
Germany	1.5	1.3	1.3	1.1	0.9	0.9	0.9	31.3	25.4	25.1	25.1	25.2	25.7	26.4
Greece	9.0	8.9	6.6	5.1	5.1	4.1	3.8	18.1	15.4	13.9	13.1	13.4	13.7	13.3
Hungary	..	8.5	5.4	4.8	4.3	4.1	4.0	..	25.6	27.1	25.4	25.3	25.3	25.0
Iceland	11.2	11.1	8.6	6.5	5.8	..	..	20.6	20.4	17.5	16.5	14.2	..	..
Ireland	8.9	7.0	3.5	2.5	1.9	1.6	1.7	29.6	32.6	33.6	27.1	25.1	23.8	23.7
Italy	3.5	3.3	2.8	2.5	2.2	2.1	2.0	25.9	25.0	23.4	21.2	20.9	20.7	20.8
Japan	2.5	1.9	1.7	1.6	1.5	1.4	..	28.9	25.2	24.0	22.9	23.0	23.0	..
Korea	8.9	6.3	4.9	3.8	3.4	3.3	3.0	30.2	30.3	32.4	31.3	31.1	30.6	30.5
Luxembourg	1.5	1.0	0.7	0.6	0.4	0.4	0.4	22.3	15.3	12.6	11.3	10.5	9.4	9.8
Mexico	8.1	5.4	4.2	3.7	3.4	3.3	..	31.5	29.5	29.4	27.7	27.5	28.9	..
Netherlands	4.4	3.5	2.6	2.2	2.1	2.2	2.0	23.7	21.9	19.3	18.5	18.8	18.9	18.8
New Zealand	6.7	7.2	8.6	..	..	..	..	22.7	21.8	20.1	..	..	..	..
Norway	3.4	3.1	2.1	1.6	1.5	1.5	1.4	29.3	29.7	37.8	35.3	38.4	40.4	37.7
Poland	..	8.0	5.0	5.1	4.5	4.3	4.3	..	28.4	24.0	25.2	24.7	24.7	23.2
Portugal	9.1	5.8	3.8	3.2	2.8	2.8	2.5	22.4	21.9	20.0	18.3	17.7	17.7	18.0
Slovak Republic	..	5.9	4.5	4.1	3.7	3.6	3.5	..	32.7	29.2	30.3	29.7	31.3	31.3
Spain	5.5	4.5	4.4	3.6	3.2	2.9	2.9	24.4	21.9	20.9	18.5	18.2	17.8	17.5
Sweden	3.6	2.9	2.0	1.8	1.1	1.4	1.4	23.9	26.1	24.6	23.1	23.1	23.2	23.4
Switzerland	2.9	2.1	1.6	1.4	1.3	1.2	1.2	23.6	23.6	21.8	21.1	21.4	22.1	22.5
Turkey	13.4	11.9	10.8	10.7	10.6	9.4	8.7	32.0	32.8	24.6	23.0	23.0	22.9	22.2
United Kingdom	1.8	1.8	1.0	1.0	0.7	0.7	0.7	27.4	26.0	22.0	17.5	17.3	17.3	16.7
United States	2.1	1.6	1.2	1.4	1.2	1.1	..	23.5	22.2	19.4	17.2	17.3	17.3	..
EU27 total	..	2.9	2.4	2.2	1.9	1.8	1.8	..	23.7	22.4	20.4	20.2	20.2	20.1
OECD total	..	2.5	2.0	..	..	..	..	..	23.9	22.2	..	..	..	..
Brazil	5.2	5.8	5.6	6.9	5.7	5.5	..	24.5	22.0	22.2	25.0	24.4	24.0	..
India	..	..	24.0	19.6	18.9	18.4	18.1	..	..	20.1	20.7	20.8	20.8	20.9
Russian Federation	16.5	7.6	6.7	6.0	5.4	5.0	4.6	37.8	27.9	31.4	30.8	32.9	31.9	31.7
South Africa	4.6	3.9	3.3	3.2	2.7	2.9	3.2	36.8	31.7	29.3	28.5	28.4	28.9	29.0

 StatLink  <http://dx.doi.org/10.1787/541116662126>
**Value added in industry**

As a percentage of total value added


 StatLink  <http://dx.doi.org/10.1787/535167121025>

## VALUE ADDED BY ACTIVITY

## Value added in construction and in transport, trade, hotels and restaurants

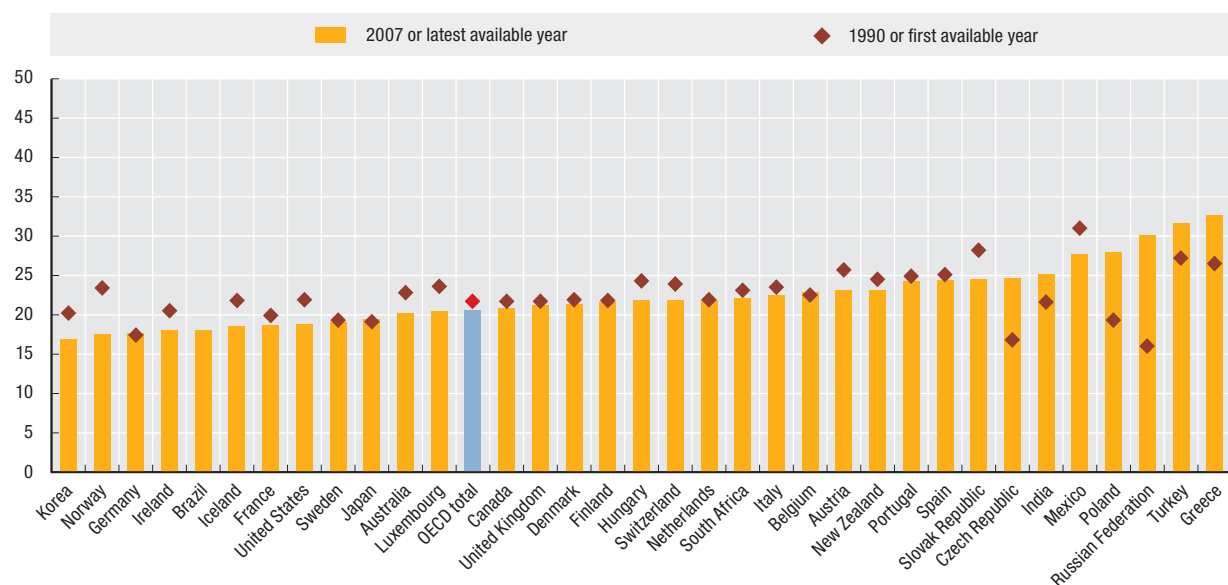
As percentage of total value added

	Construction							Transport, trade, hotels and restaurants						
	1990	1995	2000	2004	2005	2006	2007	1990	1995	2000	2004	2005	2006	2007
Australia	6.8	6.0	5.4	7.0	7.0	7.5	7.9	22.8	23.5	22.1	22.0	21.1	20.5	20.2
Austria	6.9	7.9	7.5	7.2	7.1	6.9	7.1	25.7	24.6	24.6	24.5	23.8	23.3	23.1
Belgium	5.4	5.1	5.0	4.8	4.8	5.1	5.3	22.5	21.9	21.1	22.9	23.1	22.8	22.9
Canada	6.8	4.9	5.0	5.6	..	..	..	21.7	20.7	20.3	20.8	..	..	..
Czech Republic	8.2	6.6	6.5	6.5	6.3	6.2	6.3	16.8	24.4	25.8	24.4	24.8	25.3	24.6
Denmark	5.1	4.7	5.5	5.3	5.4	5.9	6.1	21.9	22.3	21.8	22.1	22.0	21.2	21.3
Finland	8.3	4.4	5.5	5.4	5.9	6.0	6.4	21.8	20.8	21.5	22.8	22.6	22.1	21.6
France	6.6	6.1	5.2	5.5	5.7	6.2	6.5	19.9	19.3	18.9	19.5	19.3	19.0	18.7
Germany	6.1	6.8	5.2	4.2	4.0	3.8	4.0	17.4	18.0	18.2	17.7	17.7	17.9	17.6
Greece	7.1	6.0	7.0	7.0	7.0	7.3	7.0	26.5	27.8	30.1	32.7	31.9	31.8	32.6
Hungary	..	4.5	5.0	4.9	4.9	4.8	4.6	..	22.0	20.7	20.7	20.3	20.8	21.8
Iceland	9.7	8.0	8.6	8.5	9.5	..	..	21.8	22.5	21.6	19.8	18.5	..	..
Ireland	5.4	5.3	7.4	9.0	9.9	10.2	9.9	20.5	17.4	17.9	17.8	17.9	18.4	18.0
Italy	6.2	5.3	5.0	5.8	6.0	6.1	6.3	23.5	24.2	23.9	23.4	23.1	22.8	22.5
Japan	9.7	8.0	7.1	6.4	6.1	6.1	..	19.1	21.3	20.2	19.7	19.7	19.5	..
Korea	11.3	11.6	8.4	9.3	9.2	9.0	8.9	20.2	18.2	18.2	17.1	17.0	16.9	16.9
Luxembourg	7.1	6.5	5.7	6.3	6.1	5.9	5.9	23.6	21.3	21.8	21.6	20.5	19.7	20.4
Mexico	4.8	4.8	6.4	6.7	6.7	7.0	..	31.0	27.2	29.8	28.2	28.2	27.7	..
Netherlands	5.7	5.4	5.6	5.4	5.4	5.5	5.6	21.9	21.7	23.1	22.5	22.1	22.0	21.9
New Zealand	4.1	4.1	4.3	..	..	..	..	24.5	24.5	22.1	..	..	..	..
Norway	4.6	4.5	4.1	4.6	4.4	4.5	5.0	23.4	22.3	18.8	17.9	17.1	16.9	17.5
Poland	..	6.7	7.7	5.5	6.0	6.4	7.9	..	25.7	27.3	27.4	27.4	27.4	27.9
Portugal	5.7	6.4	7.6	7.1	6.9	6.6	6.5	24.9	24.2	24.1	24.6	24.3	24.4	24.3
Slovak Republic	..	5.1	7.1	6.2	6.7	7.7	7.9	..	24.5	25.1	25.6	25.8	23.8	24.5
Spain	8.6	7.5	8.3	10.6	11.5	12.2	12.3	25.1	26.9	26.1	25.7	25.1	24.8	24.4
Sweden	6.8	4.5	4.0	4.5	4.6	4.7	4.9	19.3	19.1	19.0	19.3	19.5	19.2	19.0
Switzerland	8.3	6.7	5.5	5.6	5.7	5.6	5.5	23.9	22.4	21.4	22.6	22.4	22.0	21.8
Turkey	6.6	5.7	5.4	5.0	5.0	5.4	5.6	27.2	29.0	29.1	32.2	32.2	32.3	31.7
United Kingdom	6.7	5.0	5.3	6.0	6.1	6.3	6.4	21.7	21.6	22.9	22.3	21.8	21.3	21.2
United States	4.6	4.2	4.7	4.9	5.2	5.1	..	21.9	22.2	19.7	19.2	18.9	18.8	..
EU27 total	..	6.0	5.6	5.8	6.0	6.2	6.5	..	21.1	21.6	21.6	21.4	21.3	21.2
OECD total	..	6.0	5.6	..	..	..	..	..	21.7	20.8	..	..	..	..
Brazil	4.6	5.5	5.5	5.1	4.9	4.7	..	..	..	17.2	17.3	17.8	18.1	..
India	..	..	5.9	7.1	7.9	8.3	8.4	..	..	22.1	24.4	24.8	25.0	25.2
Russian Federation	9.5	9.1	6.6	5.7	5.3	5.2	5.7	16.0	33.5	32.7	31.9	30.3	30.8	30.1
South Africa	3.3	3.2	2.5	2.4	2.5	2.7	2.9	..	23.2	24.3	23.8	23.8	23.3	22.1

 StatLink  <http://dx.doi.org/10.1787/541174506822>

## Value added in transport, trade, hotels and restaurants

As a percentage of total value added


 StatLink  <http://dx.doi.org/10.1787/535174318655>

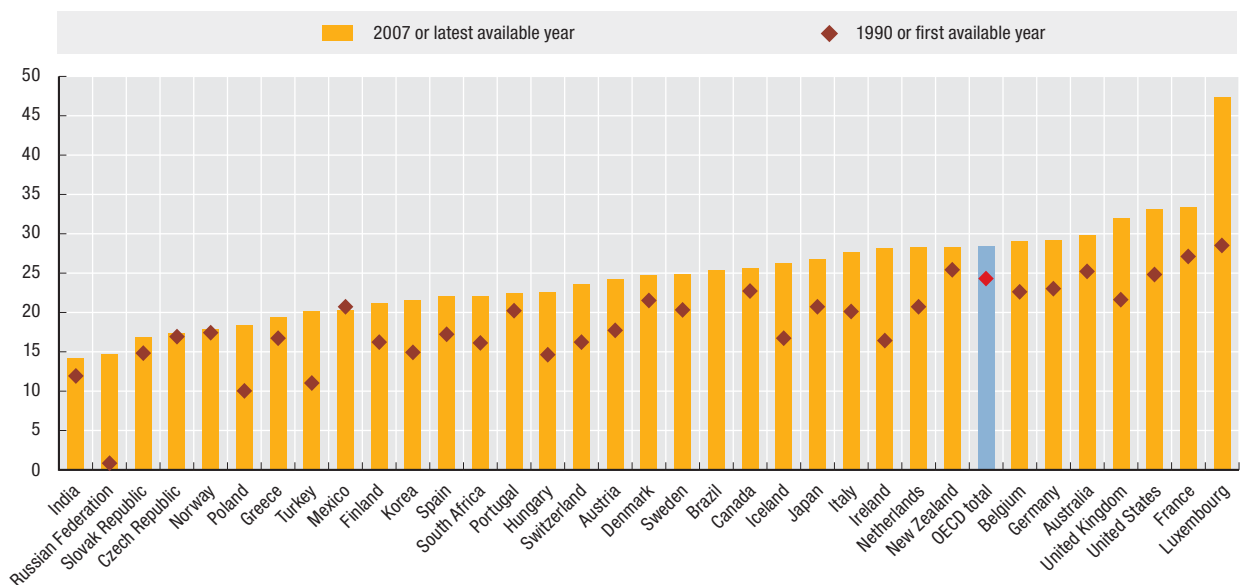
**Value added in business services and in government and personal services**

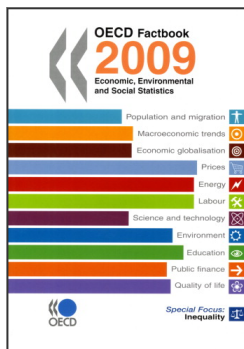
As percentage of total value added

	Banks, insurance, real estate and other business services							Government, health, education and other and personal services						
	1990	1995	2000	2004	2005	2006	2007	1990	1995	2000	2004	2005	2006	2007
Australia	25.2	25.9	29.3	29.1	29.0	29.4	29.8	18.3	18.5	18.5	18.9	18.9	18.7	18.4
Austria	17.7	19.4	21.5	23.1	24.2	24.1	24.2	20.8	22.6	21.1	21.0	21.0	20.7	20.4
Belgium	22.6	25.6	27.8	28.0	28.4	28.7	29.0	21.5	22.7	22.6	23.4	23.7	23.4	23.3
Canada	22.7	24.2	25.0	25.6	..	..	..	21.4	21.4	19.2	19.7	..	..	..
Czech Republic	16.9	16.8	16.2	16.5	16.8	16.6	17.3	13.4	15.5	16.0	17.2	17.5	17.3	16.8
Denmark	21.5	22.2	22.3	23.8	24.1	24.2	24.7	27.0	26.9	26.4	27.5	27.0	26.5	26.4
Finland	16.2	18.8	20.5	20.6	20.7	21.0	21.2	22.3	23.2	20.8	22.0	22.4	22.0	21.4
France	27.1	28.2	30.7	31.5	32.2	32.9	33.3	22.6	25.1	24.7	25.6	25.6	25.4	25.3
Germany	23.0	26.4	27.5	29.1	29.4	29.4	29.2	20.8	22.2	22.8	22.9	22.9	22.2	21.9
Greece	16.7	20.3	20.6	19.2	19.0	19.3	19.4	20.2	21.3	21.7	22.9	23.6	23.9	23.9
Hungary	..	18.9	20.1	20.9	21.8	22.3	22.6	..	21.3	21.6	23.3	23.4	22.7	22.0
Iceland	16.7	16.3	20.0	23.9	26.2	..	..	20.0	21.8	23.6	24.8	25.8	..	..
Ireland	16.4	17.5	21.8	25.5	27.0	27.7	28.1	19.0	20.1	15.8	18.2	18.2	18.3	18.7
Italy	20.1	22.4	24.7	26.6	26.9	27.2	27.6	20.7	19.8	20.1	20.5	20.9	21.1	20.8
Japan	20.7	23.1	24.9	26.2	26.6	26.7	..	19.2	20.5	22.1	23.2	23.2	23.3	..
Korea	14.9	18.3	20.1	20.6	20.9	21.2	21.6	14.4	15.3	16.1	17.8	18.3	19.0	19.1
Luxembourg	28.5	39.2	43.8	42.7	45.3	48.5	47.3	17.3	16.7	15.4	17.6	17.1	16.1	16.2
Mexico	20.7	27.5	19.0	20.2	20.8	20.3	..	9.3	11.3	12.7	13.6	13.4	12.9	..
Netherlands	20.7	24.2	27.3	27.0	27.6	27.8	28.3	23.6	23.2	22.1	24.6	24.1	23.6	23.4
New Zealand	25.4	25.8	27.1	..	..	..	..	16.7	16.5	17.7	..	..	..	..
Norway	17.4	17.5	16.9	18.7	17.9	17.0	17.9	21.8	23.0	20.3	21.9	20.6	19.7	20.5
Poland	..	12.6	18.1	17.6	18.1	18.3	18.4	..	18.6	18.0	19.1	19.2	18.9	18.3
Portugal	20.2	19.8	20.6	20.9	21.5	22.0	22.4	18.3	21.9	24.0	25.9	26.8	26.5	26.4
Slovak Republic	..	17.5	17.1	17.8	17.7	17.8	16.9	..	14.3	17.1	16.1	16.4	15.9	15.8
Spain	17.2	17.9	19.5	20.7	21.1	21.5	22.1	19.1	21.3	20.8	20.8	20.9	20.8	20.9
Sweden	20.3	22.9	25.0	24.4	24.9	24.8	24.8	26.3	24.6	25.4	26.9	26.8	26.6	26.4
Switzerland	16.2	18.5	24.0	22.6	22.5	23.1	23.6	25.0	26.7	25.7	26.8	26.6	26.0	25.4
Turkey	11.0	12.2	19.5	17.3	17.7	18.6	20.2	9.0	8.6	10.6	11.8	11.5	11.5	11.6
United Kingdom	21.6	23.7	27.0	30.1	30.4	31.0	31.9	20.8	21.8	21.8	23.1	23.7	23.4	23.1
United States	24.8	26.3	31.6	32.1	32.5	33.1	..	23.2	23.4	23.2	25.1	24.8	24.6	..
EU27 total	..	24.0	25.9	27.2	27.5	27.8	28.1	..	22.2	22.1	22.8	23.0	22.7	22.4
OECD total	..	24.3	27.5	..	..	..	..	..	21.8	22.0	..	..	..	..
Brazil	..	..	26.8	24.2	25.6	25.4	..	..	..	22.6	21.4	21.6	22.2	..
India	..	..	13.1	14.2	13.9	13.9	14.2	..	..	14.9	14.0	13.8	13.5	13.3
Russian Federation	0.8	3.3	4.6	12.7	13.7	14.4	14.7	19.3	18.8	18.0	12.9	12.4	12.8	13.1
South Africa	..	16.4	18.6	20.8	21.4	21.3	22.1	..	21.7	22.0	21.4	21.3	21.0	20.6

 StatLink  <http://dx.doi.org/10.1787/541177606177>
**Value added in banks, insurance, real estate and other business services**

As a percentage of total value added


 StatLink  <http://dx.doi.org/10.1787/535202507843>



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