

- Size of GDP
- 2. GDP growth
- 3. GDP per capita

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GROSS DOMESTIC PRODUCT (GDP)

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1. Size of GDP

Gross domestic product (GDP) is the standard measure of the value of final goods and services produced by a country during a period. While GDP is the single most important indicator to capture these economic activities, it is not a good measure of societies' well-being and only a limited measure of people's material living standards. The sections and indicators that follow better address this and other related issues and this is one of the primary purposes of this publication.

Countries calculate GDP in their own currencies. In order to compare across countries these estimates have to be converted into a common currency. Often the conversion is made using current exchange rates but these can give a misleading comparison of the true volumes of final goods and services in GDP. A better approach is to use purchasing power parities (PPPs). PPPs are currency converters that control for differences in the price levels of products between countries and so allow an international comparison of the volumes of GDP and of the size of economies.

Definition

What does gross domestic product mean? "Gross" signifies that no deduction has been made for the depreciation of machinery, buildings and other capital products used in production. "Domestic" means that it is production by the resident institutional units of the country. The products refer to final goods and services, that is, those that are purchased, imputed or otherwise, as: the final consumption of households, non-profit institutions serving households and government; fixed assets; and exports (minus imports).

GDP at market prices can be measured in three different ways:

- as output less intermediate consumption (i.e. value added) plus taxes on products (such as VAT) less subsidies on products;
- as the income earned from production, equal to the sum of: employee compensation; the gross operating surplus of enterprises and government; the gross mixed income of unincorporated enterprises; and net taxes on production and imports (VAT, payroll tax, import duties, etc., less subsidies);
- or as the expenditure on final goods and services minus imports: final consumption expenditures, gross capital formation, and exports less imports.

Comparability

All OECD countries now follow the 1993 System of National Accounts, although in some countries, for example in specific areas such as the own account production of software or financial intermediation services (indirectly measured) (FISIM), differences remain, which can impact on comparisons of GDP. The measurement of the non-observed economy (NOE, often referred to as the informal, grey, shadow, economy) can also have an impact on comparability, although for OECD economies, in general, this is not thought to be significant. (See also "Reader's Guide", relating to PPP based comparisons.)

For some countries, the latest year has been estimated by the Secretariat. Historical data have also been estimated for those countries that revise their methodologies but only supply revised data for some years. This estimation process mechanically links the new and old series to preserve growth rates.

Source

 OECD (2009), National Accounts of OECD Countries 2009, Volume I, Main Aggregates, OECD Publishing, http://dx.doi.org/10.1787/na_vol_1-2009-en-fr.

Online database

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Further reading

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Table 1.1. Gross domestic product, current PPPs

Billion US dollars

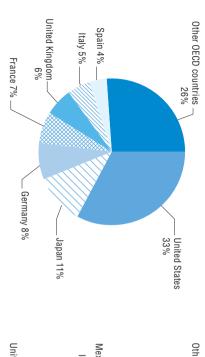
	OECD-Total	Euro area	United States	United Kingdon	Turkey	Switzerland	Sweden	Spain	Slovak Republic	Portugal	Poland	Norway	New Zealand	Netherlands	Mexico	Luxembourg	Korea	Japan	Italy	Ireland	Iceland	Hungary	Greece	Germany	France	Finland	Denmark	Czech Republic	Canada	Belgium	Austria	Australia	
				3					ਨ																			C					
	21 438 e	6 178	7 359	1 146	427 e	189	193	631	45	131	287	103	64	334	688 e	16	603 e	2 831	1 202	65	6	93	156	1 840	1 204	96	120	133	667	228	187	392	1995
	22 541 e	6 394	7 784	1 220	467 e	194	200	661	49	137	311	114	67	352	737 e	17	657 e	2 964	1 242	71	7	97	163	1 892	1 243	99	127	141	691	232	194	412	1996
	23 775 e	6 664	8 279	1 308	511 е	203	207	701	52	146	340	123	70	376	800 e	17	699 е	3 061	1 285	80	7	104	173	1 936	1 302	108	134	143	732	243	199	437	1997
	24 724 e	6 978	8 741	1 363	536	210	215	751	56	154	363	122	71	400	849 e	18	658 e	3 032	1 351	89	00	=======================================	179	1 990	1 369	117	139	144	771	248	208	464	1998
	25 914 e	7 256	9 301	1 423	518	215	229	792	56	164	383	133	76	426	894 e	21	731 e	3 071	1 377	97	∞	115	185	2 064	1 425	122	143	147	825	259	216	497	1999
	27 671 e	7711	9 899	1 533	589	228	246	857	59	175	404	162	80	468	986 е	23	806	3 246	1 456	109	00	124	201	2 130	1 533	133	154	154	873	282	230	525	2000
	28 784 е	8 131	10 234	1 631	561	234	249	920	65	183	419	167	85	494	1 009 e	24	860	3 331	1 546	118	9	138	218	2 212	1 630	138	158	165	910	292	232	552	2001
St	29 879 е	8 442	10 590	1 714	572	245	259	994	70	191	442	168	89	516	1 048 e	26	936	3 417	1 532	130	9	150	237	2 275	1 711	143	165	172	938	309	244	585	2002
StatLink &	30 977	8 636	11 089	1 778	588	246	269	1 040	73	196	458	175	93	515	1 108	27	964	3 510	1 564	138	9	156	250	2 358	1 701	144	164	184	990	313	252	622	2003
nttp	32 878	9 021	11 812	1 900	689	258	289	1 109	79	201	497	194	99	541	1 186	30	1 041	3 710	1 596	148	10	165	267	2 468	1 768	156	175	197	1 050	323	266	656	2004
ɔ://dx.doi.	34 805	9 483	12 580	1 969	781	266	292	1 188	87	218	526	219	103	573	1 294	32	1 097	3 873	1 649	160	10	171	274	2 587	1 869	161	180	208	1 131	336	275	697	2005
org/10.17	37 004	10 044	13 336	2 068	881	290	313	1 304	97	229	566	243	109	607	1 402	36	1 195	4 081	1 737	177	⇉	181	294	2 709	1 961	172	190	226	1 204	354	291	743	2006
aus http://dx.doi.org/10.1787/740520054135	39 103	10 644	14 011	2 167	945	314	335	1 420	108	242	614	252	115	644	1 485	40	1 300	4 293	1 813	195	⇉	189	316	2 835	2 081	184	196	248	1 270	376	309	795	2007
20054135	40 170 e	10 910	14 369	2 200	998	332	344	1 447	119	246	674	278	115 e	681	1 537 e	41	1 358	4 356 e	1 849	186	12	193	324	2 928	2 115	188	200	257	1 303 e	374	316	830 e	2008

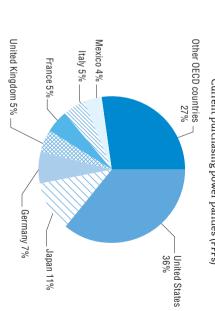
Figure 1.1. Gross domestic product: current exchange rates and current PPPs

The seven largest economies in the OECD. Percentage of OECD total, 2008

Current purchasing power parities (PPPs)

Current exchange rates





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GROSS DOMESTIC PRODUCT (GDP)

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2. GDP growth

Changes in the size of economies are usually measured by changes in the volume (often referred to as real) of GDP. Real reflects the fact that changes in GDP due to inflation are removed. This provides a measure of changes in the volume of production of an economy.

Definition

from the base year. not invariant to the choice of this reference It is important to recognise that growth rates are related was only modified every five to ten years. aggregation and the base year to which weights past, most countries used fixed weights for this an overall change in the volume of GDP. In the several hundred - are then aggregated to yield lume changes for goods and services – typically lume changes can be captured. The detailed vonal value of transactions, the corresponding voor directly collected. When applied to the nomirequires a set of detailed price indices, implicit Converting nominal values of GDP to real values be biased for reporting years that were remote period and measures of growth could turn out to

Since the 1993 System of National Accounts it has therefore been recommended that weights should be representative of the periods for which growth rates are calculated. This means that new weights should be introduced every year, giving rise to chain-linked (volume) indices (see Comparability, below).

Comparability

As described in Section 1, comparability of nominal values of GDP across countries is good. There is generally some variability in how countries calculate their volume estimates of GDP, particularly in respect of

government consumption, but this doesn't necessarily mean that growth rates are less comparable.

With the exception of Mexico, all OECD countries derive their annual estimates of real GDP using annually chain-linked volume indices (that is the fixed prices/weights are updated every year). Mexico, like many non-OECD countries, revise their fixed weights less frequently – the last revision occurring after ten years. Such practices however tend to lead to biased growth rates, usually upward.

Source

OECD (2009), National Accounts of OECD Countries 2009
Volume I, Main Aggregates, OECD Publishing,
http://dx.doi.org/10.1787/na_vol_1-2009-en-fr.

Online database

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2. GDP growth

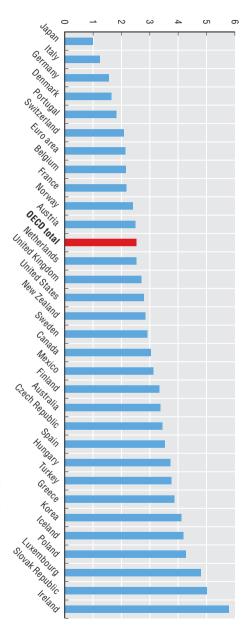
Table 2.1. Gross domestic product, volume

Annual growth rates in percentage

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0.6 e	2.8	3.1	2.7	3.2	2.0 e	1.7 e	1.3 e	4.2 e	3.5 e	2.7 e	3.6 e	3.1 e	2.5 е	OECD-Total
0.7	2.8	3.0	1.7	2.2	0.8	0.9	1.9	3.9	2.9	2.8	2.6	1.6	:	Euro area
0.4	2.1	2.7	3.1	3.6	2.5	1.8	1.1	4.2	4.9	4.4	4.5	3.8	2.5	United States
0.7	3.0	2.8	2.1	2.8	2.8	2.1	2.5	3.9	3.5	3.6	3.3	2.9	3.0	United Kingdom
0.9	4.7	6.9	8.4	9.4	5.3	6.2	-5.7	6.8	-3.4	3.1	7.5 e	7.0 e	7.2 e	Turkey
1.8	3.6	3.6	2.6	2.5	-0.2	0.4	1.2	3.6	1.3	2.6	2.1	0.6	0.4	Switzerland
-0.2	2.6	4.2	3.3	4.1	1.9	2.4	₫	4.4	4.6	3.8	2.5	1.5	4.0	Sweden
0.9	3.6	4.0	3.6	3.3	3.1	2.7	3.6	5.0	4.7	4.5	3.9	2.4	2.8	Spain
6.4	10.4	8.5	6.5	5.2	4.7	4.8	3.4	1.4	0.0	4.4	4.4	6.9	5.8	Slovak Republic
-0.0	1.9	1.4	0.9	1.5	-0.8	0.8	2.0	3.9	3.8	4.9	4.2	3.6	4.3	Portugal
5.0	6.8	6.2	3.6	5.3	3.9	1.4	1.2	4.3	4.5	5.0	7.1	6.2	7.0	Poland
2.1	3.1	2.3	2.7	3.9	1.0	1.5	2.0	3.3	2.0	2.7	5.4	5.1	4.2	Norway
-1.1 e	3.1	1.8	3.0	3.8	4.3	4.9	3.6	2.4	5.3	0.5	1.7	3.5	4.2	New Zealand
2.0	3.6	3.4	2.0	2.2	0.3	0.1	1.9	3.9	4.7	3.9	4.3	3.4	3.1	Netherlands
1.3 e	3.4	5.0	3.3	4.0	1.4 e	0.8 e	-0.0 e	6.6 e	3.8 e	5.0 e	6.8 e	5.2 e	-6.2 e	Mexico
0.0	6.5	5.6	5.4	4.4	1.5	4.1	2.5	8.4	8.4	6.5	5.9	1.5	1.4	Luxembourg
2.2	5.1	5.2	4.0	4.6	2.8	7.2	4.0	8.5 e	9.5 e	-6.9 e	4.7 e	7.0 e	9.2 е	Korea
-0.7 e	2.4	2.0	1.9	2.7	1.4	0.3	0.2	2.9	-0.1	-2.0	1.6	2.7	2.0	Japan
-1.0	1.6	2.0	0.7	1.5	-0.0	0.5	1.8	3.7	1.5	1.4	1.9	₫	2.8	Italy
-3.0	6.0	5.4	6.2	4.6	4.4	6.5	5.7	9.4	10.7	8.4	11.5	8.1	9.6	Ireland
0.3	5.5	4.5	7.4	7.7	2.4	0.1	3.9	4.3	4.1	6.3	4.9	4.8	0.1	Iceland
0.6	1.0	4.0	3.5	4.9	4.3	4.4	4.1	4.9	4.2	5.2	4.3	1.0	1.5	Hungary
2.0	4.5	4.5	2.2	4.6	5.9	3.4	4.2	4.5 е	3.4 e	3.4 e	3.6 e	2.4 e	2.1 e	Greece
1.3	2.5	3.2	0.8	1.2	-0.2	0.0	1.2	3.2	2.0	2.0	1.8	1.0	1.9	Germany
0.4	2.3	2.2	1.9	2.5	11	1.0	1.9	3.9	ယ္	3.5 5	2.2	₫	2.1	France
1.0	4.2	4.9	2.8	3.7	1.8	1.6	2.7	5.1	3.9	5.2	6.2	3.7	3.9	Finland
-1.2	1.6	သ	2.4	2.3	0.4	0.5	0.7	3.5	2.6	2.2	3.2	2.8	3.1	Denmark
2.5	6.1	6.8	6.3	4.5	3.6	1.9	2.5	3.6	1.3	-0.8	-0.7	4.0	5.9	Czech Republic
0.4 e	2.7	3.1	2.9	3.1	1.9	2.9	1.8	5.2	5.5	4.1	4.2	1.6	2.8	Canada
<u>:</u>	2.8	3.0	1.8	3.0	1.0	1.5	0.8	3.7	3.4	1.7	3.5	1.2	2.4	Belgium
2.0	3.5	3.5	2.5	2.5	0.8	1.6	0.5	3.7	3.3	3.6	2.1	2.2	2.5	Austria
2.3 e	3.7	3.3	3.0	2.8	4.0	3.2	3.8	1.9	4.0	5.2	4.5	3.9	4.1	Australia
2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	
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Figure 2.1. Gross domestic product, volume

Average annual growth rates between 1998 and 2008



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GROSS DOMESTIC PRODUCT (GDP)

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3. GDP per capita

Gross Domestic Product (GDP) per capita is a core indicator of economic performance and commonly used as a broad measure of average living standards or economic well-being; despite some recognised shortcomings.

For example average GDP per capita gives no indication of how GDP is distributed between citizens. Average GDP per capita may rise for example but more people may be worse off if income inequalities also increase.

Equally, in some countries (see Comparability on the right), there may be a significant number of non-resident border or seasonal workers or indeed inflows and outflows of property income and both phenomena imply that the value of production differs from the income of residents, thereby over or understating their living standards.

A full discussion of these issues can be found in the Stiglitz-Sen-Fitoussi report (see references).

Definition

The definition for GDP is described in section 1 and population estimates are described in the Reader Notes section.

A focus on per capita GDP is also useful in decomposing drivers of overall GDP growth. For example real GDP can grow without there being any improvement in real GDP per capita. Decomposing per capita growth into two parts, labour productivity growth (measured as GDP per hour worked) and labour utilisation growth (measured as hours worked per capita) is helpful in this context.

Comparability

Generally, particularly because all countries follow the 1993 System of National Accounts, the comparability of population and GDP estimates across countries is good (see Section 1). However, some care is needed in

interpretation, for example Luxembourg and, to a lesser extent, Switzerland have a relatively large number of frontier workers. Such workers contribute to GDP but are excluded from the population figures, which is one of the reasons why cross-country comparisons of income per capita based on gross or net national income (GDI and NNI) are often preferred, see Chapter 2 on Income. (See also "Reader's Guide", relating to PPP based comparisons.)

Source

OECD (2009), National Accounts of OECD Countries 2009, Volume I, Main Aggregates, OECD Publishing, http://dx.doi.org/10.1787/na_vol_1-2009-en-fr.

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3. GDP per capita

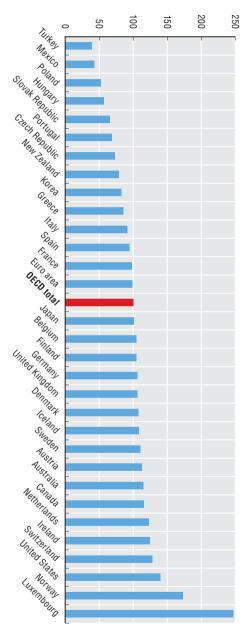
Table 3.1. Gross domestic product per capita, OECD=100

Based on current PPPs

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100	100	100	100		100	100	100	100	100	100	100	100	100	OECD-Total
99	99	99	99		101	102	102	100	100	101	100	101	102	Euro area
140	141	142	143		142	141	142	143	144	142	141	141	140	United States
107	108	109	110		∄	=======================================	109	106	105	105	104	102	100	United Kingdom
40	39	38	36		31	32	32	36	35	38	38 e	36 e	35 e	Turkey
128	125	122	119		124	128	127	129	130	133	132	133	136	Switzerland
=======================================	##	110	109		112	=======================================	=======================================	113	∄	109	109	110	=======================================	Sweden
94	96	94	92		92	92	89	87	86	85	82	82	81	Spain
66	61	57	54		51	50	48	45	45	46	45	44	42	Slovak Republic
69	69	69	69		70	71	70	70	70	68	67	66	67	Portugal
53	49	47	46		45	44	43	43	43	43	41	40	38	Poland
173	162	166	159		143	142	147	147	129	123	130	127	120	Norway
79 е	82	82	83		85	85	85	84	86	84	85	86	87	New Zealand
123	119	118	118		118	123	122	120	116	115	112	110	110	Netherlands
43 e	43	43	42		41	40 e	40 e	41 e	40 e	40 e	40 e	39 e	38 e	Mexico
248	250	243	230	230	226	221	213	218	211	194	189	196	198	Luxembourg
83	81	79	77		75	75	72	70	68 e	64 e	71 e	70 e	68 e	Korea
101 e	102	102	102		102	103	103	104	105	108	113	115	115	Japan
92	93	94	95		101	103	107	104	105	107	105	106	108	Italy
125	136	133	130		129	127	121	117	112	108	101	95	91	Ireland
108	110	112	118		115	119	120	118	124	125	121	118	118	Iceland
57	57	57	57		57	57	54	49	49	49	47	46	46	Hungary
86	86	84	83		85	83	79	75	74	74	75	74	75	Greece
106	104	105	105		107	106	106	106	109	109	110	113	115	Germany
98	99	98	100		102	107	105	103	102	103	101	102	103	France
105	105	104	103		103	106	105	105	102	102	98	94	96	Finland
108	109	===	112		113	118	116	118	116	118	117	117	117	Denmark
73	73	70	68		67	65	64	61	62	63	64	67	65	Czech Republic
116 e	117	117	118		116	115	116	116	117	115	114	114	116	Canada
105	107	107	108		112	115	112	112	109	109	∄	±	114	Belgium
113	113	112	112		116	116	114	117	117	117	116	119	120	Austria
115 e	114	113	114		116	114	112	∄	113	===	109	109	110	Australia
2008	2007	2006	2005		2003	2002	2001	2000	1999	1998	1997	1996	1995	

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Figure 3.1. **Gross domestic product per capita, OECD=100**Based on current PPPs, 2008



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