



Ghana Statistical Service
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Newsletter

Quarterly Gross Domestic Product (QGDP)

First Quarter 2014



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Nominal GDP estimate (at purchaser's value) in current prices for the 1st quarter of 2014

The GDP estimate at current prices including Oil for the 1st quarter of 2014 was **GH¢25,733.21 million**. This compares with to **GH¢25818.94 GDP estimate** in the 4th quarter of 2013.

The GDP at current prices not including oil for the 1st quarter of 2014 was **GH¢23,028.47 million**. This compares with the **GH¢23,960.6million estimate** for the 4th quarter of 2013.

Quarterly Sectoral distribution of GDP estimates (at basic prices)

The sectoral distribution of GDP estimate at basic prices for the first quarter of 2014 was as follows:

- Agriculture- **GH¢ 3,691.7 million**
- Industry - **GH¢ 8,393.1 million**
- Services - **GH¢ 12,696.6 million**

The sectoral contributions to the first quarter of 2014 GDP estimate at basic prices were as follows:

- Agriculture, 14.9%
- Industry, 33.9%
- Services, 51.2%, **Table 1.**

Real Gross Domestic Product (GDP) for the first quarter of 2014 grew by 6.7 per cent (year-on-year)

The Real Gross Domestic Product (GDP) for the first quarter of 2014 grew by 6.7% (year-on-year¹). The Agricultural sector recorded the highest growth of 12.7%, followed by the Services sector with a growth rate of 4.6%, while the Industry

¹ Year-on year estimates compare current economic developments with that of the same period in the previous year. There is little or no influence of seasonal variations.

Sector recorded a negative growth rate of -1.1%. In comparison, the year-on-year GDP growth rate for the first quarter of 2013 was 9.0%, **Table 2**.

Key findings of the performance of activities in the 1st quarter of 2014 compared with the 1st quarter of 2013 by economic activities:

- Livestock production expanded by 24.7%;
- Fishing activities increased by 20.0%;
- Financial and insurance activities increased by 19.7%;
- Community, Social & personal activities was up by 10.7%; and
- Information and communication increased by 10.3%.

Quarter-on-quarter², seasonally adjusted real Gross Domestic Product growth rate for the first quarter of 2014 was 2.6% percent.

The seasonally adjusted quarter-on-quarter estimates of the real GDP grew by 2.6% in the first quarter of 2014. This compares with the growth of 2.7% recorded for the fourth quarter of 2013, **Table 3**.

The most notable performances were as follows:

1. Forestry and logging activities, 19.0%;
2. Fishing activities, 14.1%;
3. Mining and quarrying activities, 8.4%;
4. Livestock activities, 4.5%; and
5. Community, Social & personal activities 4.3%

Key economic developments for first quarter of 2014 seasonally adjusted

- In the Agricultural sector, economic activity in the Crops and cocoa subsector reflected a positive growth of 0.8% over that of the 4th quarter of 2013. This is due to the seasonal nature of produce in the sector.
- In the Industry sector, the Mining and Quarrying subsector recorded a growth of 8.4% over that of the 4th quarter of 2013, even though gold declined by 21.7% during the period.
- Again, in the Industry sector, the Manufacturing subsector recorded a negative growth of 0.1% over the output in the fourth quarter of 2013. This was partly due to a lower production of Food and beverages, Rubber and plastic products, and Manufacture of non-metallic products. Negative growth was recorded in the production of Electricity (-1.8%), Water and Sewerage (-3.1%) and construction (-2.0%).
- In the Services sector, the seasonally adjusted quarter-on-quarter performance are as follows;
 - the Public Administrations subsector (-7.3%),
 - the Financial and Insurance activities subsector (-3.9%),

² Quarter-on-quarter GDP estimates provide short term (within six months) picture of current economic developments. Estimates are influenced by seasonal patterns that are caused by economic behaviour or recurrent exogenous factors such as weather patterns, holidays, religious events, festive seasons, etc.

- Information and Communication activities (-1.7%)
- Note that most of the sub-sectors, especially in the Services sector, showed no evidence of seasonality. These subsectors include the following:
 - Education
 - Financial and Insurance activities
 - Health
 - Information and Communication activities
 - Public administration
 - Mining and quarrying
 - Manufacturing activities
 - Transport and storage

Forthcoming Publications

Issue	Expected date of publication
Second quarter of 2014	September 24, 2014
Third quarter of 2014	December 24, 2014

ADDITIONAL INFORMATION

Sources and methods

This statistical release contains independently compiled quarterly estimates of the gross domestic product (GDP) for the first quarter of 2014. The estimates are based on the 1993 System of National Accounts (SNA), International Standard Industrial Classification Revision 4 published by the United Nations and other international organizations and the Quarterly National Accounts Manual: Concepts, Data Sources, and Compilation prepared by International Monetary Fund (IMF). This means that the methodology, concepts and classification, are in accordance with the guidelines and recommendations of an internationally agreed system of national accounts. The estimates of real GDP are expressed in terms of the base year, 2006.

The Annual GDP estimates are derived as the sum of the four quarters. Short-term indicators are used to estimate the quarterly GDP (ref Quarterly National Accounts

Manual: Concepts, Data Sources, and Compilation - IMF) and benchmarked to the annual GDP. Note that the same methods are employed for the estimation of both the quarterly and annual GDP.

Valuation of GDP by basic, producers' and purchasers' prices

GDP is valued by the following:

1. **Basic price** is the amount receivable by the producer from the purchaser for a unit of a good or service produced as output minus any tax payable, and plus any subsidy receivable, on that unit as a consequence of its production or sale. It excludes any transport charges invoiced separately by the producer.
2. **Purchaser's price** is the amount paid by the purchaser, excluding any deductible VAT or similar deductible tax, in order to take delivery of a unit of a good or service at the time and place required by the purchaser. The purchaser's price of a good includes any transport charges paid separately by the purchaser to take delivery at the required time and place.

Seasonal adjustment

The quarterly value added and GDP estimates have been seasonally adjusted. Seasonal adjustment is the process of estimating and removing seasonal effects from time series to reveal non-seasonal features. This process is to provide a clearer view of short term movements and trends and also to allow earlier identification of turning points.

The technique used is the Census X-12 ARIMA method (Autoregressive integrated moving average time-series models).

Revision Policy

While the majority of revisions are made to the four most recent quarters of the series, there is no restriction on when an estimate of the quarterly series for a given period can be revised. The main causes of revisions are as follows:

- a) Incorporation of additional and improved data: Most revisions reflect the incorporation of a wider range of data. In particular, some data that were not available at the release date are incorporated through revisions into subsequent releases.
- b) Reconciliation of quarterly and annual measures: The process of reconciling the quarterly measures with the annual measures can lead to further revisions. The quarterly measures of these series are based on a smaller range of data than the annual measures.
- c) The estimates for the four quarters of 2012 and 2013 GDP estimates have all been revised. However, the 2013 and 2014 quarterly GDP estimates may be further revised on the basis of additional data being made available.

d) The 2012 QGDP estimates have all been revised and finalized.

Related publications

Users may also wish to refer to the following publications from **the GSS website:**

www.statsghana.gov.gh

- 2014 first quarter GDP bulletin and time series
- Producer Price Index
- Consumer Price Index
- Ghana Economic Performance
- Ghana at a Glance
- National Income Statistics
- Microeconomic Digest

Table 1- Quarterly GDP at current Prices by Economic Activity and respective sectoral distribution

Year	Quarter	Value Added (GH¢ Million)						% of GDP (@ basic prices) Y-Y				
		Agriculture	Industry	Services	Total Value added (GDP @ basic prices)	Net indirect Taxes	FISIM	Total (GDP in purchaser's value)	Agriculture	Industry	Services	Total Value added (GDP @ basic prices)
2009_Q1		1,626.3	1,661.0	4,437.5	7,724.8	111.2		7,836.0	21.1	21.5	57.4	100.0
2009_Q2		1,550.5	1,696.4	4,920.9	8,167.8	70.8		8,238.5	19.0	20.8	60.2	100.0
2009_Q3		4,086.0	1,717.3	3,957.8	9,761.1	168.2		9,929.3	41.9	17.6	40.5	100.0
2009_Q4		4,080.1	1,701.0	4,227.3	10,008.4	585.4		10,593.8	40.8	17.0	42.2	100.0
2010_Q1		2,424.4	2,101.1	6,170.6	10,696.0	345.6		11,041.7	22.7	19.6	57.7	100.0
2010_Q2		1,854.3	1,952.8	4,865.0	8,672.1	598.2		9,270.3	21.4	22.5	56.1	100.0
2010_Q3		4,290.7	1,972.9	5,386.3	11,649.8	852.3		12,502.1	36.8	16.9	46.2	100.0
2010_Q4		4,340.3	2,267.6	5,761.8	12,369.7	858.3		13,228.0	35.1	18.3	46.6	100.0
2011_Q1		2,305.3	3,004.6	7,351.8	12,661.6	958.8		13,620.5	18.2	23.7	58.1	100.0
2011_Q2		1,824.5	3,547.8	7,441.6	12,813.9	967.3		13,781.1	14.2	27.7	58.1	100.0
2011_Q3		4,705.2	3,755.0	5,977.3	14,437.6	957.0		15,394.6	32.6	26.0	41.4	100.0
2011_Q4		5,319.8	3,966.9	6,652.0	15,938.7	1,081.4		17,020.1	33.4	24.9	41.7	100.0
2012_Q1		2,733.3	4,834.8	7,503.0	15,071.0	1,109.8	484.2	15,696.6	18.1	32.1	49.8	100.0
2012_Q2		2,324.8	4,966.1	8,044.2	15,335.1	1,164.1	500.2	15,999.0	15.2	32.4	52.5	100.0
2012_Q3		5,757.1	5,347.9	8,453.4	19,558.4	1,115.1	587.6	20,086.0	29.4	27.3	43.2	100.0
2012_Q4		5,852.9	5,638.7	11,130.9	22,622.5	1,299.7	744.7	23,177.5	25.9	24.9	49.2	100.0
2013*_Q1		3,144.6	6,591.7	10,372.7	20,109.0	1,231.2	724.9	20,615.3	15.6	32.8	51.6	100.0
2013_Q2		2,786.4	6,675.0	11,048.3	20,509.7	1,392.2	759.8	21,142.1	13.6	32.5	53.9	100.0
2013_Q3		7,025.2	6,286.5	12,146.4	25,458.1	1,486.9	1,060.0	25,885.1	27.6	24.7	47.7	100.0
2013_Q4		7,012.6	6,424.5	11,420.7	24,857.8	1,835.4	874.3	25,818.9	28.2	25.8	45.9	100.0
2014_Q1**		3,691.7	8,393.1	12,696.6	24,781.4	1,979.1	1,027.2	25,733.2	14.9	33.9	51.2	100.0

*Revised

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Table 2 - Quarterly Sectoral Value Added and Gross Domestic Product at Constant 2006 Prices by Economic Activity

Year Quarter	Quarterly Value Added (GHC Million)				Year-on-Year change (%)			
	Agriculture	Industry	Services	Total**	Agriculture	Industry	Services	Total**
2009_Q1	1,001.7	1,173.3	2,653.8	5,073.4	4.5	3.8	3.4	2.6
2009_Q2	791.5	1,184.3	2,657.1	4,856.3	1.6	5.3	10.1	5.2
2009_Q3	2,074.6	1,170.9	2,636.5	6,114.3	6.8	5.1	0.4	2.2
2009_Q4	2,261.3	1,196.2	2,719.4	6,410.5	11.1	3.9	8.8	6.0
2010_Q1	1,013.9	1,275.5	3,064.8	5,507.4	1.2	8.7	15.5	8.6
2010_Q2	887.4	1,229.4	2,771.0	5,124.3	12.1	3.8	4.3	5.5
2010_Q3	2,273.3	1,229.2	2,946.7	6,767.7	9.6	5.0	11.8	10.7
2010_Q4	2,278.0	1,318.9	2,931.9	6,852.6	0.7	10.3	7.8	6.9
2011_Q1	1,012.7	1,519.9	3,241.4	6,124.8	-0.1	19.2	5.8	11.2
2011_Q2	903.3	1,752.1	3,105.8	6,102.3	1.8	42.5	12.1	19.1
2011_Q3	2,286.8	1,898.2	3,198.6	7,719.2	0.6	54.4	8.6	14.1
2011_Q4	2,304.4	1,987.0	3,266.9	7,945.0	1.2	50.7	11.4	15.9
2012_Q1*	1,005.9	1,954.0	3,420.0	6,703.0	-0.7	28.6	5.5	9.4
2012_Q2	857.0	1,927.0	3,506.5	6,703.6	-5.1	10.0	12.9	9.9
2012_Q3	2,262.7	2,028.2	3,569.5	8,237.5	-1.1	6.8	11.6	6.7
2012_Q4	2,531.3	2,038.3	3,724.7	8,698.6	9.8	2.6	14.0	9.5
2013_Q1*	1,073.5	2,113.2	3,776.4	7,304.9	6.7	8.1	10.4	9.0
2013_Q2	920.8	2,329.9	3,802.8	7,437.3	7.4	20.9	8.5	10.9
2013_Q3	2,390.9	2,055.6	3,905.9	8,642.0	5.7	1.4	9.4	4.9
2013_Q4	2,618.2	2,005.9	3,994.2	9,123.1	3.4	-1.6	7.2	4.9
2014_Q1	1,209.3	2,089.2	3,951.9	7,791.7	12.7	-1.1	4.6	6.7

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***Total includes net indirect taxes & FISIM

FISIM is financial intermediation services indirectly measured that reflects services that are not explicitly charged but whose values are estimated from the difference between the property incomes received.

Table 3 - Seasonal Adjusted Quarterly Gross Domestic Product at Constant 2006 Prices by Economic Activity

Year Quarter	Quarterly Value Added (GH¢ Million)				Quarter-on-Quarter Change (%)			
	Agriculture	Industry	Services	Total GDP**	Agriculture	Industry	Services	Total**
2009_Q1	1,460.0	1,160.0	2,454.0	5,453.0	3.0	1.0	0.7	0.6
2009_Q2	1,496.0	1,160.0	2,619.0	5,565.0	2.5	0.0	6.7	2.1
2009_Q3	1,531.0	1,179.0	2,544.0	5,650.0	2.3	1.6	-2.9	1.5
2009_Q4	1,568.0	1,193.0	2,653.0	5,755.0	2.4	1.2	4.3	1.9
2010_Q1	1,523.0	1,250.1	2,983.7	6,130.0	-2.9	4.8	12.5	6.5
2010_Q2	1,683.0	1,206.8	2,764.2	5,767.0	10.5	-3.5	-7.4	-5.9
2010_Q3	1,651.0	1,242.9	2,935.9	5,936.0	-1.9	3.0	6.2	2.9
2010_Q4	1,585.0	1,354.5	3,036.7	5,980.0	-4.0	9.0	3.4	0.7
2011_Q1	1,688.0	1,491.7	3,165.1	6,447.0	6.5	10.1	4.2	7.8
2011_Q2	1,624.0	1,746.1	3,122.3	6,557.0	-3.8	17.1	-1.4	1.7
2011_Q3	1,490.0	1,897.6	3,202.6	6,624.0	-8.3	8.7	2.6	1.0
2011_Q4	1,549.0	2,022.0	3,321.1	6,809.0	4.0	6.6	3.7	2.8
2012_Q1	1,604.7	1,978.9	3,363.2	7,165.0	3.6	-2.1	1.3	5.2
2012_Q2	1,604.7	1,887.1	3,512.7	7,593.0	0.0	-4.6	4.4	6.0
2012_Q3	1,619.7	2,030.6	3,595.3	7,656.0	0.9	7.6	2.4	0.8
2012_Q4	1,746.5	2,057.9	3,752.4	7,872.0	7.8	1.3	4.4	2.8
2013_Q1*	1,706.5	2,140.2	3,720.4	7,806.0	-2.3	4.0	-0.9	-0.8
2013_Q2*	1,703.3	2,281.1	3,802.3	8,412.0	-0.2	6.6	2.2	7.8
2013_Q3	1,707.7	2,057.0	3,939.3	8,040.0	0.3	-9.8	3.6	-4.4
2013_Q4	1,789.9	2,030.8	4,021.6	8,256.0	4.8	-1.3	2.1	2.7
2014_Q1	1,855.0	2,069.9	3,948.2	8,467.0	3.6	1.9	-1.8	2.6

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***Total includes net indirect taxes & FISIM