



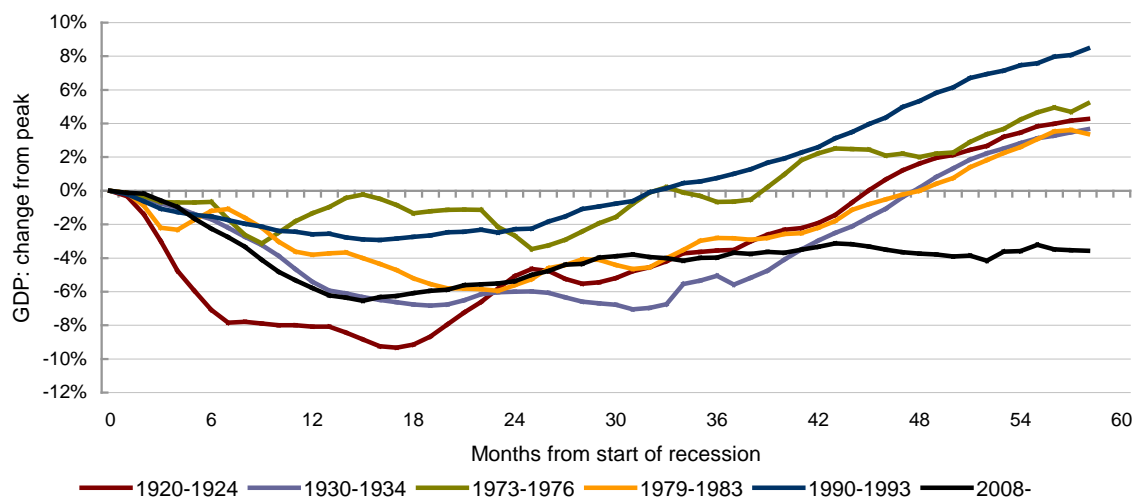
## NATIONAL INSTITUTE OF ECONOMIC AND SOCIAL RESEARCH ESTIMATES OF MONTHLY GDP

Embargo until 15.00 hours on 7<sup>th</sup> December 2012

Our monthly estimates of GDP suggest that output grew by 0.1 per cent in the three months ending in November after growth of 0.1 per cent in the three months ending in October 2012. We do not expect such an anaemic economic performance to continue into next year. Growth is forecast to return in 2013, but not at speeds that will begin to close the UK's negative output gap and bring down the rate of unemployment in that year.

Note: we expect GDP growth of 1.1 per cent per annum in 2013 and 1.7 per cent in 2014. These forecasts were published in the *National Institute Economic Review* on Friday 2 November 2012 (<http://www.niesr.ac.uk>).

**Figure 1. The profile of recession and recovery**



Notes: Calculated from centred three-month moving averages of monthly GDP, the effect of the miners' strike in 1921 is excluded from the 1920-1924 profile (the strike started on 31<sup>st</sup> March 1921 and ended on 28<sup>th</sup> June 1921).

The National Institute interprets the term “recession” to mean a period when output is falling or receding, while “depression” is a period when output is depressed below its previous peak. Thus, unless output turns down again, the recession is over, while the period of depression is likely to continue for some time. We do not expect output to pass its peak in early 2008 until 2014.

Our track record in producing early estimates of GDP suggests that our projection for the most recent three-month period has a standard error of 0.1-0.2% point when compared to the first estimate produced by the Office for National Statistics. This comparison can be made only for complete calendar quarters. Outside calendar quarters the figures are less reliable than this and they are also likely to be less accurate in the current disturbed economic circumstances.

A paper describing the methodology used to produce the data was published in the February 2005 volume of the *Economic Journal*:

Mitchell, J. Smith, R. J., Weale, M. R., Wright, S. and Salazar, E. L. (2005) 'An Indicator of Monthly GDP and an Early Estimate of Quarterly GDP Growth', *Economic Journal*, No. 551, pp. F108-F129.

Available from: [http://onlineibrary.wiley.com/journal/10.1111/\(ISSN\)1468-0297](http://onlineibrary.wiley.com/journal/10.1111/(ISSN)1468-0297)

A paper describing the methodology used to produce the data for the inter-war period was published in the October 2012 volume of *Explorations in Economic History*:

Mitchell, J., Solomou, S. and Weale, M. (2012) 'Monthly GDP estimates for inter-war Britain', *Explorations in Economic History*, Vol. 49, No. 4, pp. 543-556.

Available from: <http://www.journals.elsevier.com/explorations-in-economic-history/>

From April until October 2006 our estimates were computed using the Index of Services published by ONS. However this monthly series shows considerable volatility which has caused us some problems in estimating GDP. From our November 2006 press release we have therefore reverted to using a model of private services output based on indicator variables. This means that, while all our figures for calendar quarters are fully coherent with ONS data, our estimates of monthly private service output are not. The series can be thought of as indicating the underlying value of the ONS series.

For more information please telephone Simon Kirby on 020 7654 1916.

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**Table 1: Summary Table of Quarterly Growth Rates**  
**2009=100**

	<b>Monthly Data</b>		<b>3 months ending in month shown</b>		<b>Quarterly Growth % per quarter</b>	
	<i>Industry</i>	<i>GDP</i>	<i>Industry</i>	<i>GDP</i>	<i>Industry</i>	<i>GDP</i>
Jan-11	103.5	102.6	103.1	102.2	0.4%	0.0%
Feb-11	102.3	102.2	102.9	102.2	0.1%	0.0%
Mar-11	102.4	102.7	102.7	102.5	-0.1%	0.5%
Apr-11	101.1	102.4	101.9	102.4	-1.1%	0.2%
May-11	101.6	102.6	101.7	102.5	-1.1%	0.3%
Jun-11	101.8	102.5	101.5	102.5	-1.2%	0.1%
Jul-11	101.5	103.0	101.6	102.7	-0.3%	0.3%
Aug-11	101.2	103.1	101.5	102.9	-0.2%	0.3%
Sep-11	101.2	103.2	101.3	103.1	-0.2%	0.5%
Oct-11	100.1	102.8	100.8	103.0	-0.8%	0.3%
Nov-11	99.8	102.7	100.4	102.9	-1.1%	0.0%
Dec-11	100.2	102.6	100.0	102.7	-1.3%	-0.4%
Jan-12	99.7	102.3	99.9	102.5	-1.0%	-0.5%
Feb-12	99.9	102.4	99.9	102.4	-0.4%	-0.4%
Mar-12	99.5	102.5	99.7	102.4	-0.3%	-0.3%
Apr-12	98.8	101.9	99.4	102.3	-0.5%	-0.3%
May-12	100.0	102.6	99.4	102.3	-0.5%	-0.1%
Jun-12	97.6	101.5	98.8	102.0	-0.9%	-0.4%
Jul-12	100.5	103.6	99.4	102.6	-0.1%	0.3%
Aug-12	100.0	102.7	99.4	102.6	-0.1%	0.3%
Sep-12	97.9	102.7	99.5	103.0	0.7%	1.0%
Oct-12	97.1	102.8	98.3	102.7	-1.0%	0.1%
Nov-12	96.6	102.6	97.2	102.7	-2.2%	0.1%

*More...*

**Table 2: Output by Sector (2009=100)**

	<b>Industry</b>	<b>Agriculture</b>	<b>Construction</b>	<b>Private Services</b>	<b>Public Services</b>	<b>GDP(B)</b>	<b>GDP</b>
Jan-11	103.5	95.8	109.2	102.1	100.9	102.6	102.6
Feb-11	102.3	98.6	109.5	101.5	101.6	102.3	102.2
Mar-11	102.4	99.3	110.1	102.2	101.9	102.8	102.7
Apr-11	101.1	97.7	111.1	102.1	101.7	102.5	102.4
May-11	101.6	96.7	111.5	102.4	101.7	102.8	102.6
Jun-11	101.8	96.3	111.4	102.3	101.7	102.8	102.5
Jul-11	101.5	96.5	110.7	103.0	101.9	103.1	103.0
Aug-11	101.2	96.3	110.6	103.2	102.1	103.3	103.1
Sep-11	101.2	95.7	111.1	103.4	102.2	103.4	103.2
Oct-11	100.1	94.7	112.0	102.9	102.3	103.1	102.8
Nov-11	99.8	93.9	111.6	102.9	102.4	103.0	102.7
Dec-11	100.2	93.1	109.7	102.8	102.5	102.9	102.6
Jan-12	99.7	92.6	106.5	102.7	102.6	102.6	102.3
Feb-12	99.9	91.8	104.2	103.2	102.6	102.7	102.4
Mar-12	99.5	90.7	102.8	103.4	102.9	102.8	102.5
Apr-12	98.8	89.5	102.1	102.7	102.9	102.2	101.9
May-12	100.0	89.0	101.4	103.5	103.1	102.9	102.6
Jun-12	97.6	89.4	100.4	102.3	103.1	101.8	101.5
Jul-12	100.5	90.6	99.3	105.0	104.3	103.9	103.6
Aug-12	100.0	91.4	98.6	102.9	105.5	103.0	102.7
Sep-12	97.9	91.8	98.2	104.0	104.3	103.0	102.7
Oct-12	97.1	91.8	98.2	104.2	104.8	103.1	102.8
Nov-12	96.6	91.8	98.2	103.9	105.1	102.9	102.6

*More...*

**Table 3: Output in Quarter Ending in Month Shown (2009=100)**

	<b>Industry</b>	<b>Agriculture</b>	<b>Construction</b>	<b>Private Services</b>	<b>Public Services</b>	<b>GDP(B)</b>	<b>GDP</b>
Jan-11	103.1	92.0	109.2	101.7	100.5	102.2	102.2
Feb-11	102.9	95.1	109.3	101.5	100.9	102.3	102.2
Mar-11	102.7	97.9	109.6	101.9	101.5	102.6	102.5
Apr-11	101.9	98.5	110.2	101.9	101.8	102.6	102.4
May-11	101.7	97.9	110.9	102.2	101.8	102.7	102.5
Jun-11	101.5	96.9	111.3	102.3	101.7	102.7	102.5
Jul-11	101.6	96.5	111.2	102.5	101.8	102.9	102.7
Aug-11	101.5	96.4	110.9	102.8	101.9	103.1	102.9
Sep-11	101.3	96.2	110.8	103.2	102.1	103.3	103.1
Oct-11	100.8	95.6	111.2	103.2	102.2	103.3	103.0
Nov-11	100.4	94.8	111.5	103.1	102.3	103.2	102.9
Dec-11	100.0	93.9	111.1	102.9	102.4	103.0	102.7
Jan-12	99.9	93.2	109.3	102.8	102.5	102.9	102.5
Feb-12	99.9	92.5	106.8	102.9	102.6	102.8	102.4
Mar-12	99.7	91.7	104.5	103.1	102.7	102.7	102.4
Apr-12	99.4	90.7	103.0	103.1	102.8	102.6	102.3
May-12	99.4	89.7	102.1	103.2	102.9	102.6	102.3
Jun-12	98.8	89.3	101.3	102.8	103.0	102.3	102.0
Jul-12	99.4	89.7	100.4	103.6	103.5	102.9	102.6
Aug-12	99.4	90.5	99.4	103.4	104.3	102.9	102.6
Sep-12	99.5	91.3	98.7	104.0	104.7	103.3	103.0
Oct-12	98.3	91.7	98.3	103.7	104.9	103.0	102.7
Nov-12	97.2	91.8	98.2	104.0	104.7	103.0	102.7

*More...*

**Table 4: Growth in Quarter Ending in Month Shown over Previous Quarter (% at Annual Rate)**

	<b>Industry</b>	<b>Agriculture</b>	<b>Construction</b>	<b>Private Services</b>	<b>Public Services</b>	<b>GDP(B)</b>	<b>GDP</b>
Jan-11	1.4%	-14.5%	-6.8%	0.1%	-0.2%	0.0%	-0.2%
Feb-11	0.4%	12.8%	-4.0%	-0.6%	2.5%	0.4%	0.1%
Mar-11	-0.3%	36.9%	0.0%	1.5%	5.3%	2.4%	2.0%
Apr-11	-4.5%	31.4%	3.7%	1.0%	5.2%	1.4%	1.0%
May-11	-4.6%	12.2%	6.1%	2.7%	3.4%	1.9%	1.4%
Jun-11	-4.7%	-4.0%	6.4%	1.4%	0.8%	0.4%	0.0%
Jul-11	-1.2%	-7.9%	3.5%	2.5%	0.0%	1.3%	1.1%
Aug-11	-0.8%	-6.0%	0.0%	2.3%	0.6%	1.3%	1.3%
Sep-11	-0.8%	-2.9%	-1.8%	3.7%	1.6%	2.4%	2.4%
Oct-11	-3.1%	-3.8%	0.2%	2.4%	1.8%	1.5%	1.4%
Nov-11	-4.4%	-6.6%	2.4%	0.9%	1.5%	0.4%	0.1%
Dec-11	-4.9%	-9.2%	1.1%	-1.2%	1.2%	-1.2%	-1.5%
Jan-12	-3.7%	-9.7%	-6.9%	-1.3%	1.1%	-1.6%	-1.9%
Feb-12	-1.7%	-9.2%	-15.9%	-0.6%	1.0%	-1.6%	-1.8%
Mar-12	-1.3%	-9.0%	-21.7%	0.9%	1.2%	-1.2%	-1.2%
Apr-12	-2.0%	-10.4%	-20.9%	1.0%	1.1%	-1.1%	-1.1%
May-12	-2.0%	-11.4%	-16.6%	1.1%	1.5%	-0.5%	-0.5%
Jun-12	-3.6%	-10.1%	-11.7%	-1.0%	1.2%	-1.5%	-1.6%
Jul-12	-0.1%	-4.2%	-10.1%	2.1%	2.7%	1.2%	1.2%
Aug-12	-0.3%	3.4%	-10.0%	0.9%	5.3%	1.2%	1.2%
Sep-12	2.7%	9.3%	-9.9%	4.5%	6.8%	4.0%	4.0%
Oct-12	-4.1%	9.3%	-7.8%	0.5%	5.5%	0.6%	0.6%
Nov-12	-8.4%	6.1%	-4.8%	2.5%	1.7%	0.2%	0.2%

**ENDS**