

Results of the 2015 Annual Revision of the National Income and Product Accounts

Bureau of Economic Analysis



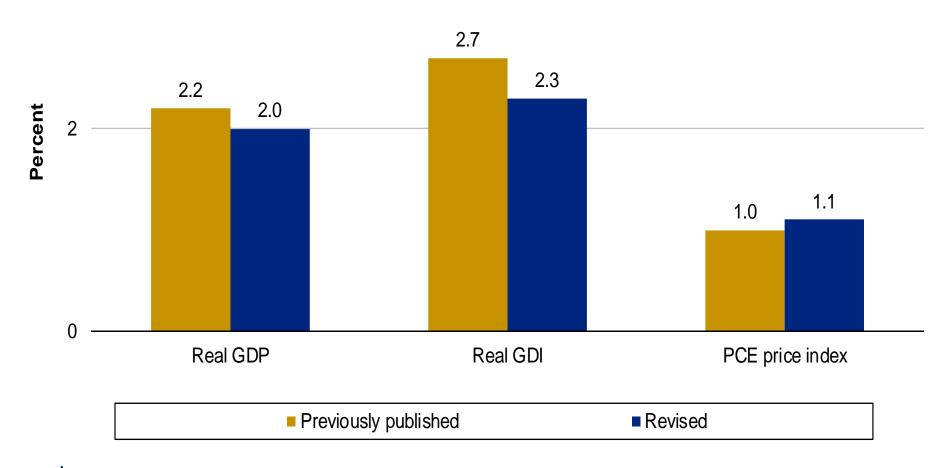
Results of the 2015 NIPA AR

- Average growth rates of GDP and GDI from 2011Q4 to 2015Q1 both revised down:
 - -o.2 percentage point revision to GDP; -o.4 percentage point revision to GDI
- Major sources of revisions:
 - New and revised source data
 - Services Annual Survey, Government Finance Survey, American Housing Survey, Economic Census and Annual Survey of Manufactures, Retail and Wholesale trade surveys, IRS business income tax data
 - Methodology improvements
 - Seasonal adjustment
 - PPIs for financial services

Average annual rates of change 2011Q4 to 2015Q1



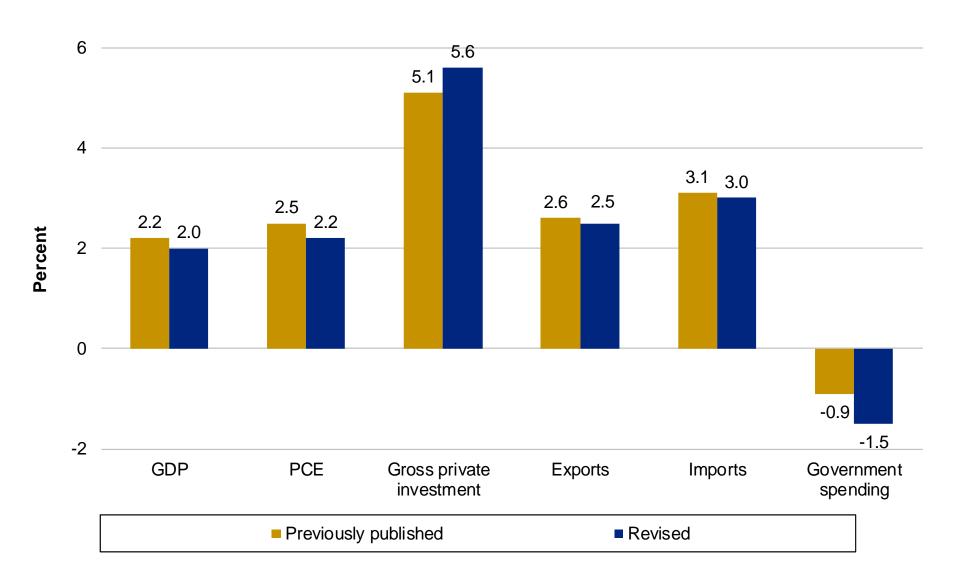
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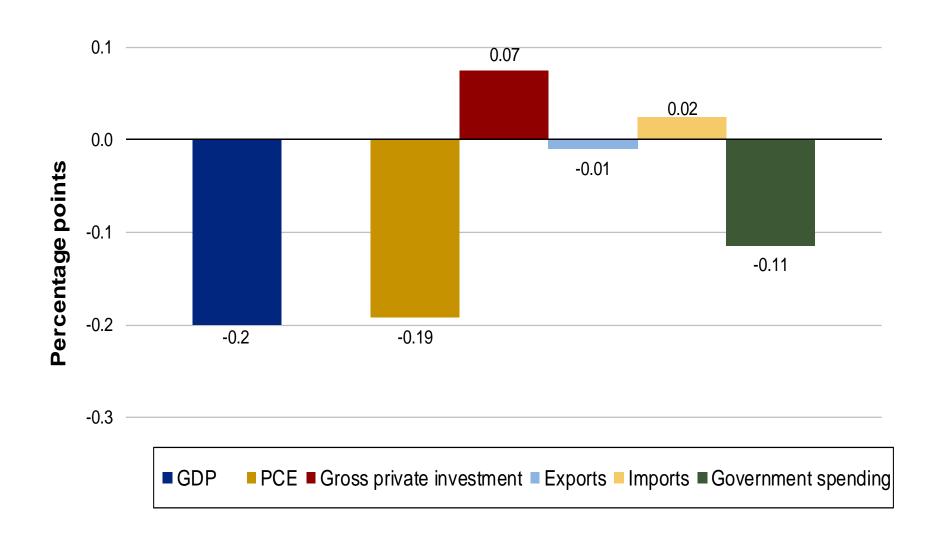
Gross Domestic Product

Average annual rates of change for real GDPBEA 2011Q4 to 2015Q1



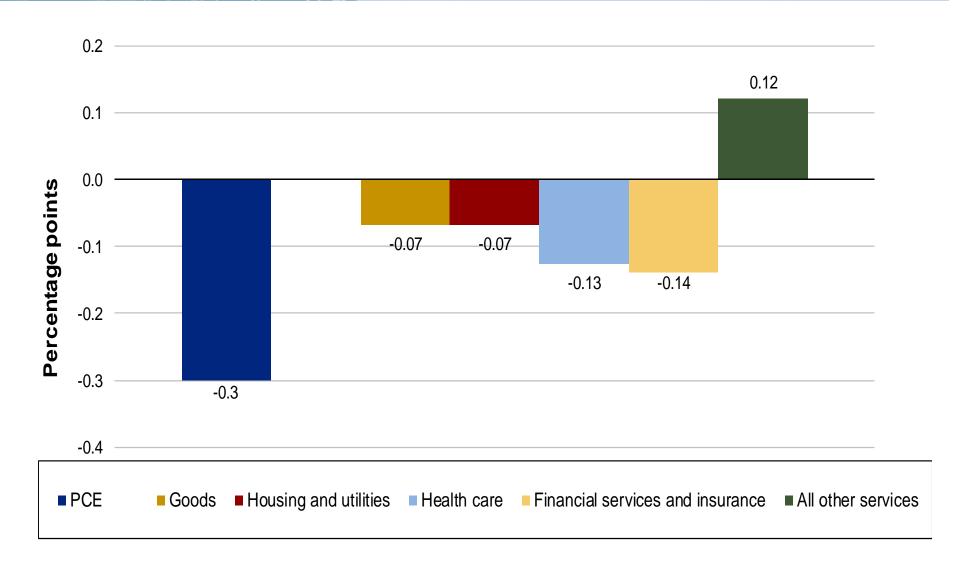
Contributions to revision of real GDP 2011Q4 to 2015Q1



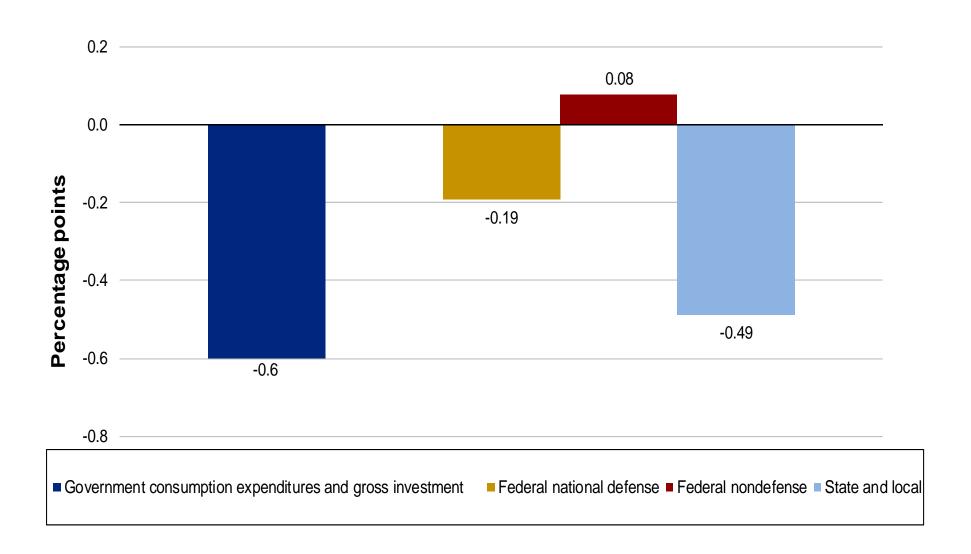


Contributions to revision of real PCE 2011Q4 to 2015Q1



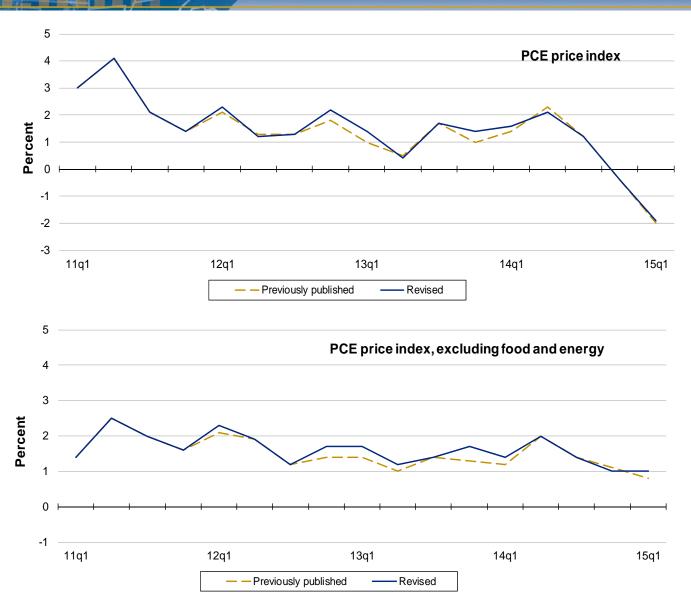


Contributions to revision of real government spending A 2011Q4 to 2015Q1



Personal consumption expenditures price index

[Percent change from preceding period, SAAR]





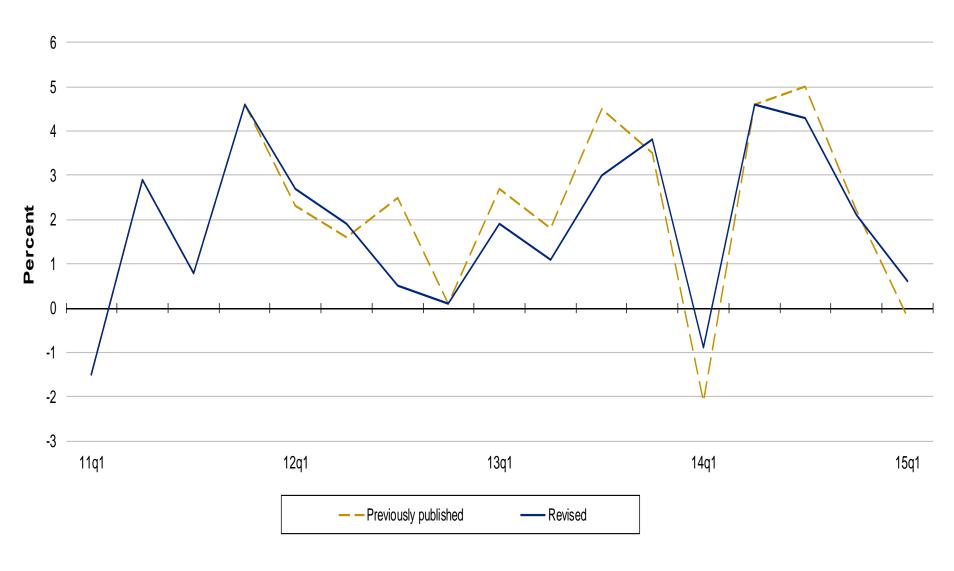
Revisions to GDP quarters

- Revisions to real GDP growth
 - Range from -2.0 (2012Q3) to +1.2 (2014Q1)
- Major sources of revisions:
 - New seasonal adjustment
 - Federal defense, PCE services
 - Updated seasonal factors
 - Prices, shipments, construction, sales, inventories
 - Revised source data
 - Construction spending, services survey, manufacturers' shipments, retail sales

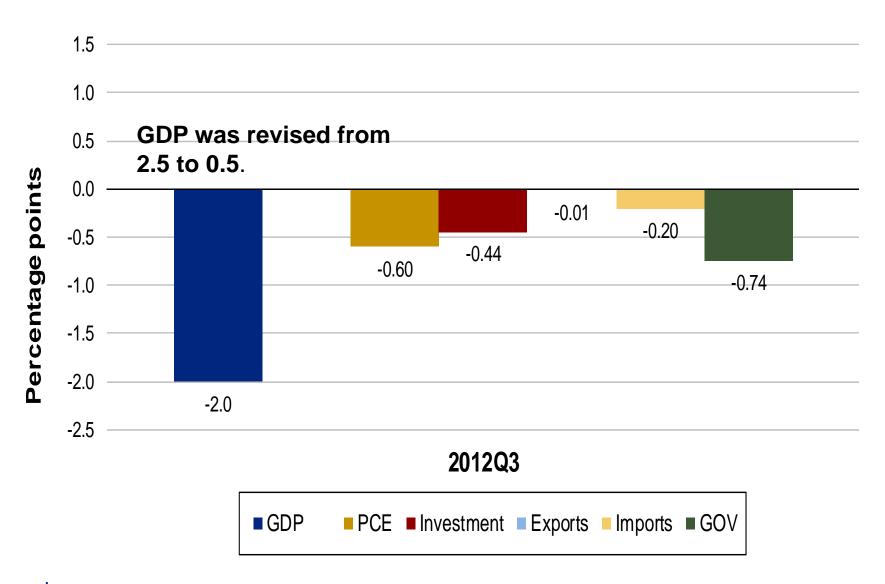
Real gross domestic product



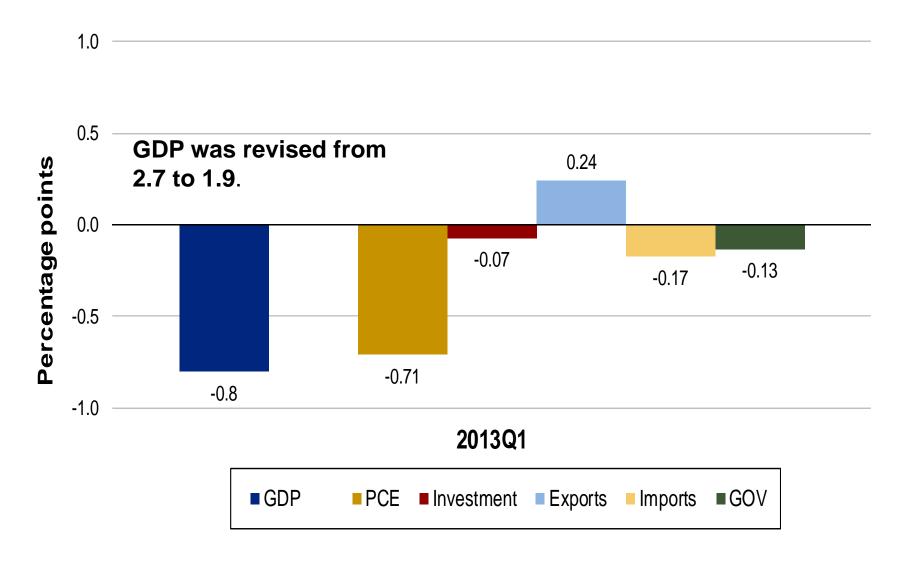
[Percent change from preceding period, SAAR]



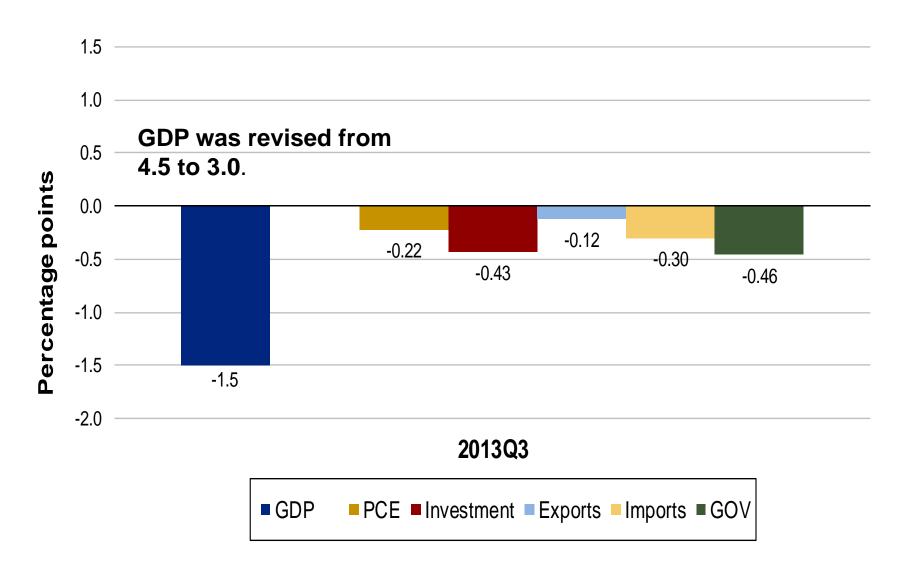
Contributions to the revision to real GDP growth 2012Q3



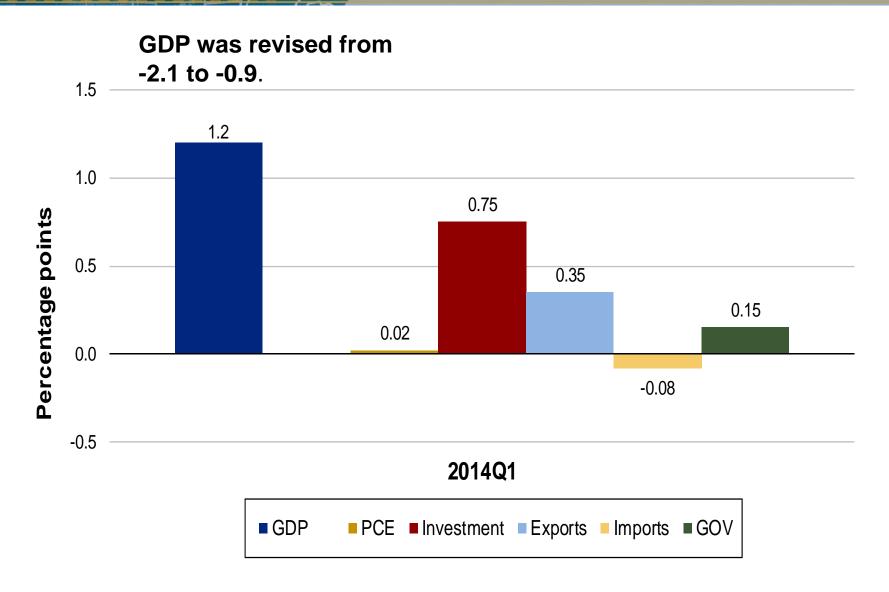
Contributions to the revision to real GDP growth 2013Q1



Contributions to the revision to real GDP growth 2013Q3



Contributions to the revision to real GDP growth 2014Q1

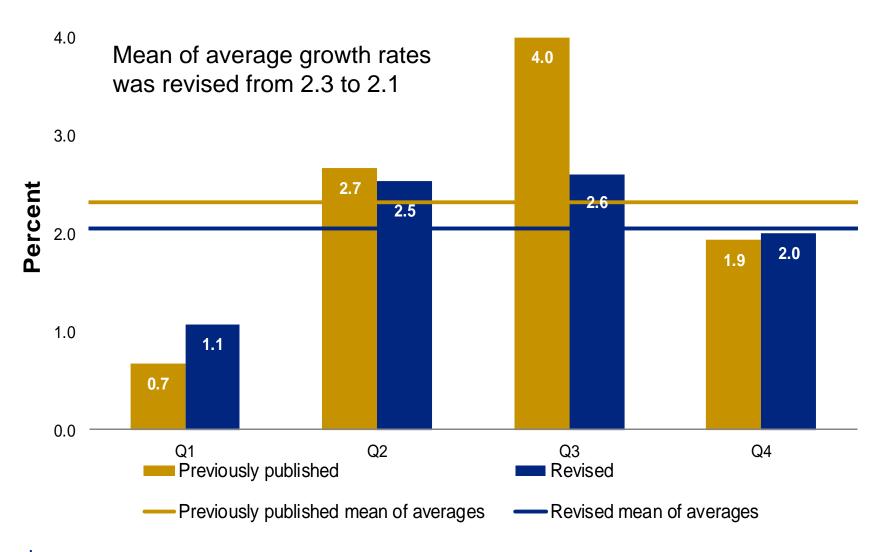




Is there residual seasonality in GDP?

- Indirect seasonal adjustment of GDP
 - Seasonally adjusted source data, when possible
 - BEA adjusts some source data
 - Source data revision schedules
- New seasonal patterns can emerge over time
- Recent pattern in quarterly growth rates show low Q1s and high Q3s
- Annual revision has dampened these swings

Average of real GDP growth rates by quarter BEA 2012Q1 to 2015Q1





Gross Domestic Income



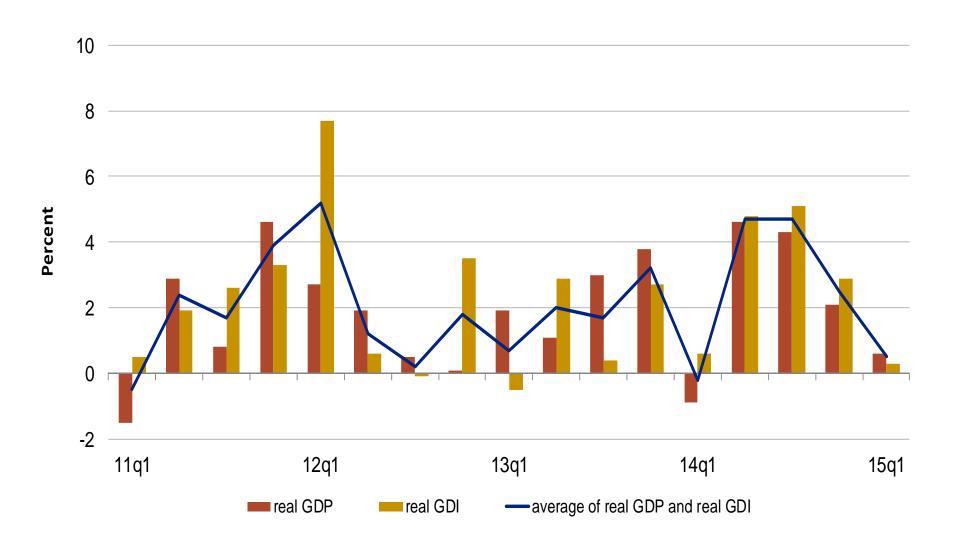
Gross Domestic Income

- GDI = GDP in concept
 - Incomes earned in production EQUAL the value of the final expenditures of goods and services produced
- Statistical discrepancy
 - Shows the difference (GDP GDI) in practice
- New statistic "Average of GDP and GDI"
 - Simple average of the two
 - Helps reflect timing and measurement variations in GDP and GDI

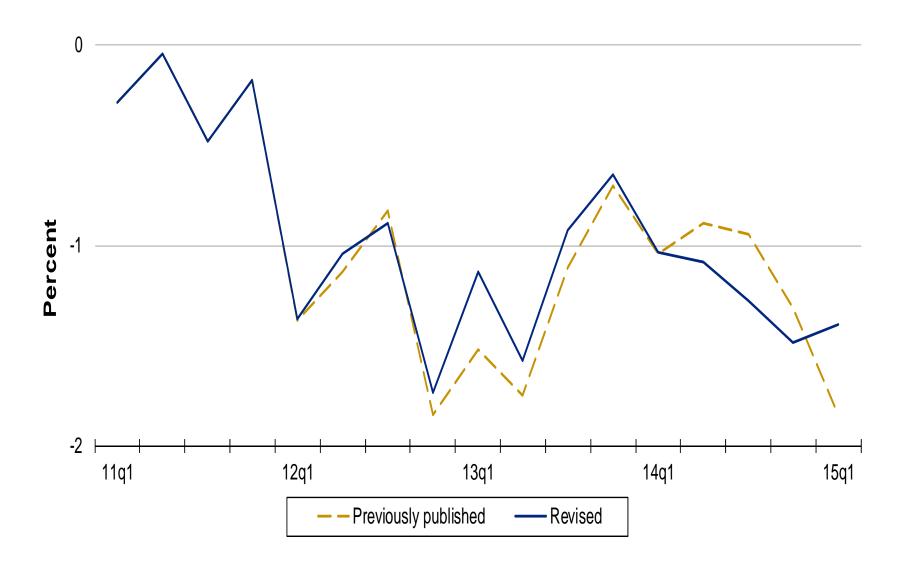
Real GDP and real GDI growth rates



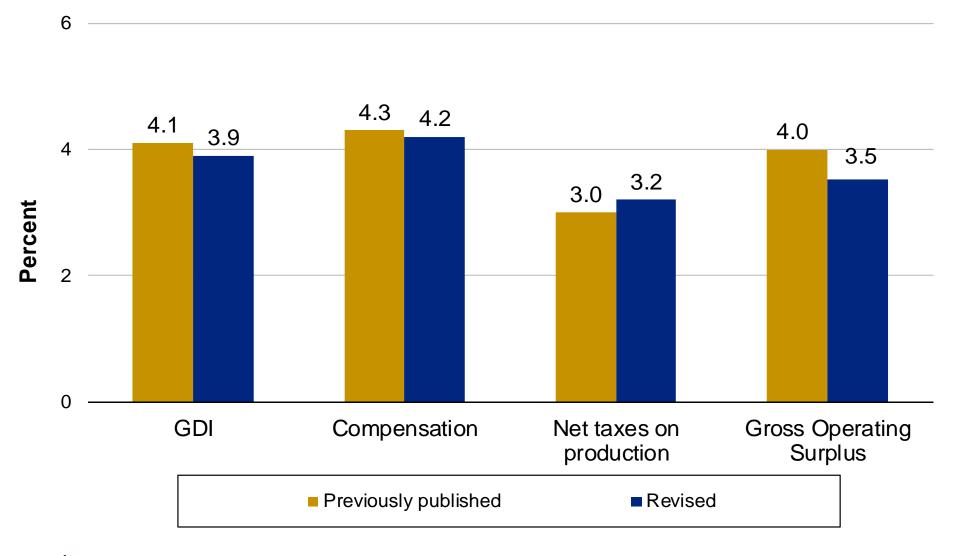
[Percent change from preceding period, SAAR]



Statistical discrepancy as a percent of GDP

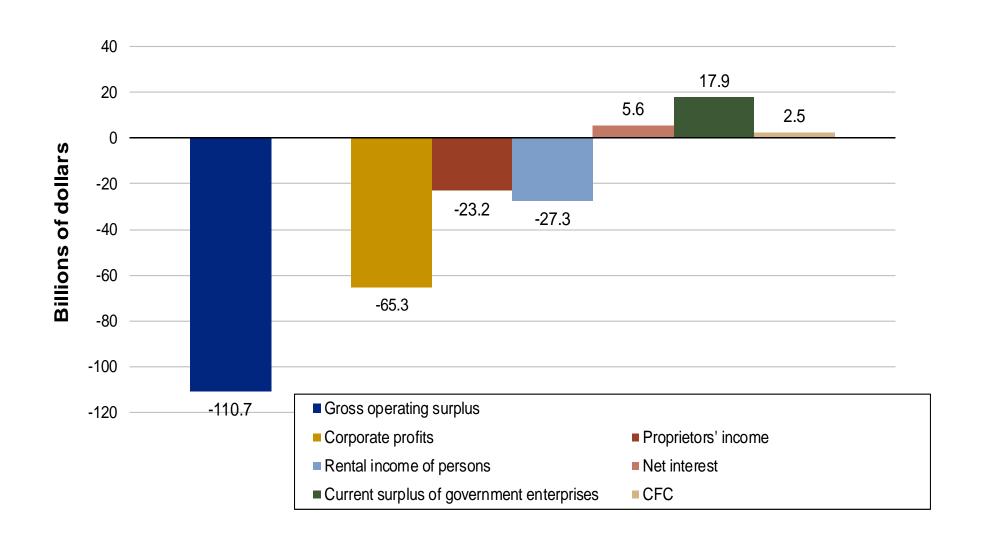


Average annual rates of change for nominal GDIA 2011Q4 to 2015Q1



Contributions to the revision to GOS 2011Q4 to 2015Q1





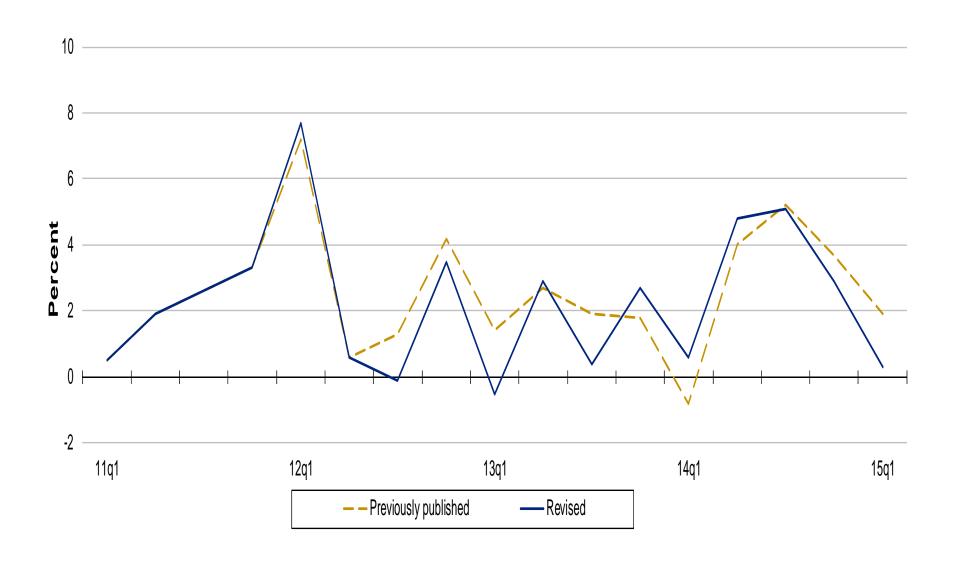


Revisions to GDI quarters

- Revisions to real GDI growth
 - Range from -1.9 (2013Q1) to +1.4 (2014Q1)
- Major sources of revisions:
 - Interpolation of revised annual estimates
 - Seasonal adjustment of corporate profits and interest indicators
 - Revised quarterly source data

Real gross domestic income [Percent change from preceding period, SAAR]

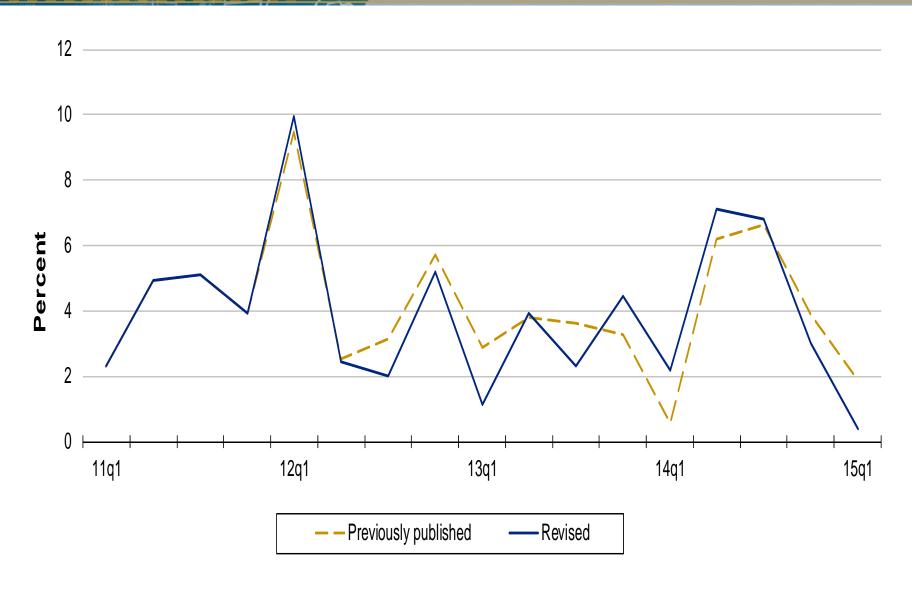






Nominal gross domestic income

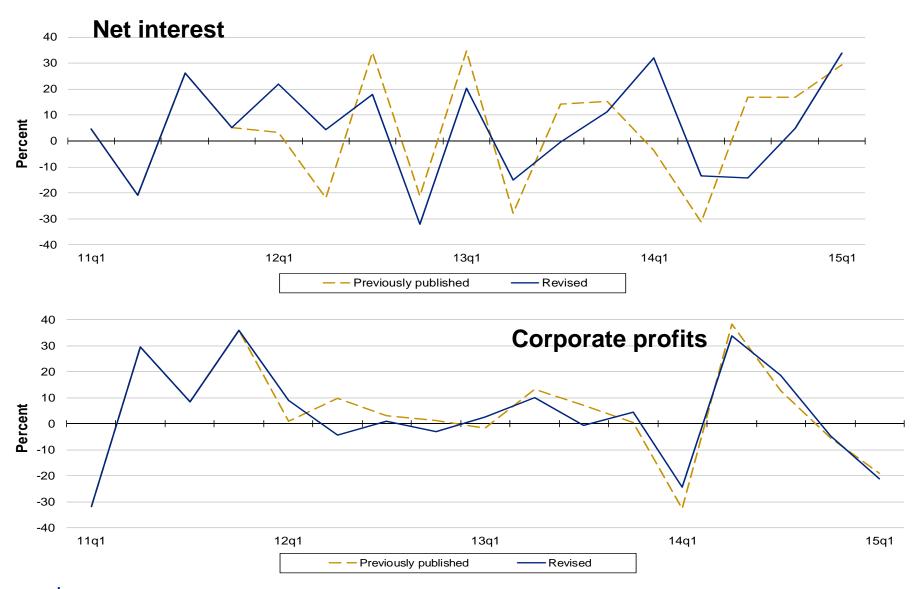
[Percent change from preceding period, SAAR]



Interest and corporate profits



[Percent change from previous period, SAAR]





Personal income and outlays

 Revisions to average annual growth 2011Q4 to 2015Q1

Component	Revision
Personal income	-0.2
Disposable personal income	-0.3
Personal outlays	-0.2
Real DPI	-0.3
Personal saving rate * * average of quarterly revisions over 2012Q1-2014Q4	+0.1



Federal refundable tax credits

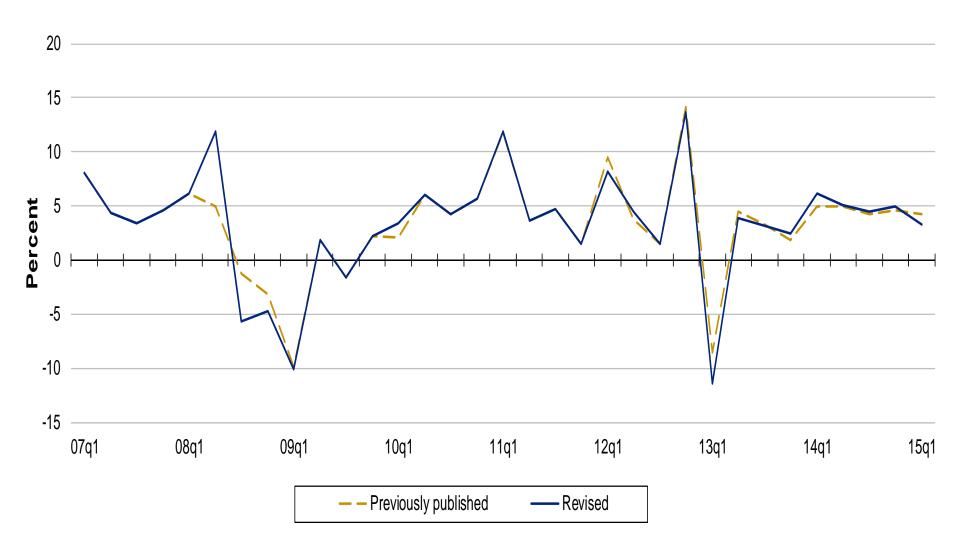
- Move portion of credit that reduces tax liability
- From personal taxes to social benefits to persons
- Offsetting impacts between personal income and personal taxes
- Back to 1976

Major program	Program dates
Earned Income Tax Credit 2008	1975-present
Additional Child Tax Credit	1998-present
2008 Economic Stimulus Payments	2008
American Opportunity Tax Credit	2009-present
Making Work Pay Tax Credit	2010-2011
Health Insurance Premium Assistance Credits	2014-present

Personal income

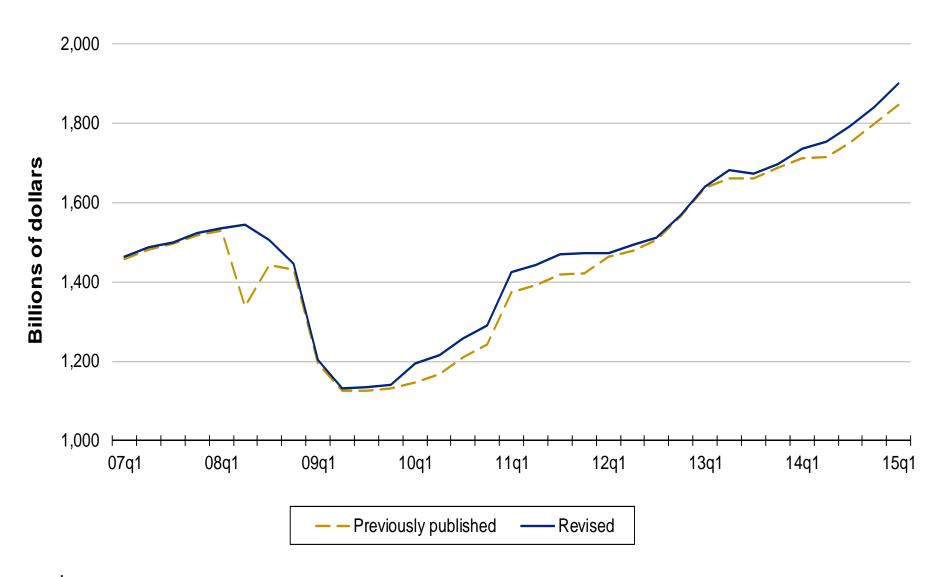


[Percent change from preceding period, SAAR]





Personal current taxes



Other notable mentions from the 2015 NIPA annual revision



- Final sales to private domestic purchasers
 - New statistic in GDP news release
 - Measure of private U.S. demand
- Expanded data on rest of world transactions
 - Petroleum exports (in NIPA 4.2 table family)
 - Gross transfers to and from ROW
 - Aligns with BEA's international transactions accounts
 - Incorporated back to 1999