

## About This Document

This volume is one of a series of reports on the state of the budget and the economy that the Congressional Budget Office issues each year. It satisfies the requirement of section 202(e) of the Congressional Budget Act of 1974 for CBO to submit to the Committees on the Budget periodic reports about fiscal policy and to provide baseline projections of the federal budget. In keeping with CBO's mandate to provide objective, impartial analysis, this report makes no recommendations.

CBO's Panel of Economic Advisers commented on an early version of the economic forecast underlying this report. Members of the panel are Katharine Abraham, Alan Auerbach, David Autor, Olivier Blanchard, Markus Brunnermeier, Mary Daly, Steven Davis, Robert Hall, Jan Hatzius, Donald Kohn, Nellie Liang, Gregory Mankiw, Emi Nakamura, Jonathan Parker, Adam Posen, James Poterba, Valerie Ramey, Brian Sack, Robert Shimer, Justin Wolfers, and Mark Zandi. Diego Comin, Ronald Lee, Kathleen Mullen, Patrick Newport, and Maurice Obstfeld attended the panel's meeting as guests. Although CBO's outside advisers provided considerable assistance, they are not responsible for the content of this report.

The CBO staff members who contributed to this report—by preparing the economic, revenue, and spending projections; writing the report; reviewing, editing, fact-checking, and publishing it; compiling the supplemental materials posted along with it on CBO's website (at [www.cbo.gov/publication/52370](http://www.cbo.gov/publication/52370)); and providing other support—are listed on the following pages.



Keith Hall  
Director

January 2017

## Economic Projections

The economic projections were prepared by the Macroeconomic Analysis Division, with contributions from analysts in other divisions. That work was supervised by Jeffrey Werling, Robert Arnold, and Kim Kowalewski.

Gloria Chen	Inflation, house prices
Daniel Fried	Net exports, exchange rates, energy prices
Edward Gamber	Interest rates, monetary policy, current-quarter analysis
Ronald Gecan	Energy prices
Mark Lasky	Business investment, housing
Jason Levine	Financial markets
Joshua Montes	Labor markets
Jeffrey Perry	Financial markets
John Seliski	Federal, state, and local government spending and revenues
Robert Shackleton	Potential output, productivity
Claire Sleigh	Motor vehicle sector, research assistance
Adam Staveski	Housing, model and data management
Christopher Williams	Consumer spending, incomes

## Revenue Projections

The revenue projections were prepared by the Tax Analysis Division, supervised by John McClelland, Mark Booth, Ed Harris, and Janet Holtzblatt. In addition, the staff of the Joint Committee on Taxation offered valuable assistance.

Paul Burnham	Retirement income
Dorian Carloni	Corporate income taxes
Jacob Fabian	Customs duties
Nathaniel Frentz	Federal Reserve System earnings, miscellaneous fees and fines
Pamela Greene	Corporate income taxes
Bilal Habib	Wage distribution, refundable tax credits
Peter Huether	Excise taxes
Shannon Mok	Estate and gift taxes, refundable tax credits
Kevin Perese	Tax modeling, Federal Reserve System earnings
Molly Saunders-Scott	International taxation, business taxation
Kurt Seibert	Payroll taxes, depreciation, tax modeling
Joshua Shakin	Individual income taxes
Naveen Singhal	Capital gains realizations, tax modeling

## Spending Projections

The spending projections were prepared by the Budget Analysis Division, with contributions from analysts in other divisions. That work was supervised by Theresa Gullo, Holly Harvey, Sam Papenfuss, Tom Bradley, Kim Cawley, Chad Chirico, Sheila Dacey, Jeffrey Holland, Sarah Jennings, and Adam Wilson of the Budget Analysis Division, as well as by Jessica Banthin of the Health, Retirement, and Long-Term Analysis Division and Damien Moore of the Financial Analysis Division.

### *Defense, International Affairs, and Veterans' Affairs*

Kent Christensen	Defense (projections, working capital funds, operation and maintenance, procurement, scorekeeping)
Sunita D'Monte	International affairs
Ann Futrell	Veterans' health care and employment training services, international food assistance
Raymond Hall	Defense (research and development, stockpile sales, atomic energy, Navy procurement)
William Ma	Defense (operation and maintenance, procurement, compensation for radiation exposure and energy employees' occupational illness, other defense programs)
David Newman	Defense (military construction and family housing, military activities in Afghanistan), veterans' housing and education benefits, reservists' education benefits
David Rafferty	Military retirement
Dawn Sauter Regan	Defense (military personnel)
Matthew Schmit	Military health care
Dwayne Wright	Veterans' compensation and pensions, other benefits for disabled veterans

### *Health*

Susan Yeh Beyer	Health insurance coverage
Julia Christensen	Food and Drug Administration, prescription drugs
Kate Fritzsche	Health insurance marketplaces, other programs
Daniel Hoople	Medicaid, Children's Health Insurance Program
Lori Housman	Medicare
Jamease Kowalczyk	Medicare
Sean Lyons	Health insurance coverage
Paul Masi (formerly of CBO)	Medicare, Federal Employees Health Benefits program
Sarah Masi	Health insurance marketplaces, other programs
Kevin McNellis	Medicare
Alexandra Minicozzi	Health insurance coverage
Eamon Molloy	Health insurance coverage

*Health (Continued)*

Andrea Noda	Medicaid prescription drugs, long-term care, Public Health Service
Romain Parsad	Health insurance coverage
Allison Percy	Health insurance coverage
Ezra Porter	Health insurance coverage
Lisa Ramirez-Branum	Medicaid, health insurance coverage, Health Resources and Services Administration
Lara Robillard	Medicare
Robert Stewart	Medicaid, Children's Health Insurance Program, Indian Health Service
Ellen Werble	Prescription drugs, Public Health Service, National Institutes of Health
Zoe Williams	Medicare
Rebecca Yip	Medicare Part D, prescription drugs, Public Health Service

*Income Security and Education*

Christina Hawley Anthony	Unemployment insurance, training programs, Administration on Aging, Smithsonian Institution, arts and humanities
Elizabeth Cove Delisle	Housing assistance
Kathleen FitzGerald	Supplemental Nutrition Assistance Program, other nutrition programs
Jennifer Gray	Social Services Block Grant program, support programs for children and families, child nutrition and other nutrition programs
Justin Humphrey	Student loans, higher education
Wendy Kiska	Pension Benefit Guaranty Corporation
Leah Koestner	Elementary and secondary education, Pell grants
Alec MacMillen	Child Care and Development Block Grant, refugee assistance
Susanne Mehlman	Temporary Assistance for Needy Families, Child Support Enforcement program, foster care, child care programs, Low Income Home Energy Assistance Program
Noah Meyerson	Old-Age and Survivors Insurance, Social Security trust funds, Pension Benefit Guaranty Corporation
Emily Stern	Disability Insurance, Supplemental Security Income

*Natural and Physical Resources*

Tiffany Arthur	Agriculture, science, space exploration
Megan Carroll	Energy, air and water transportation
Mark Grabowicz	Administration of justice, Postal Service
Kathleen Gramp	Energy, Outer Continental Shelf receipts, spectrum auction receipts, Orderly Liquidation Fund
Jeff LaFave	Conservation and land management, Federal Housing Administration, other housing credit programs
James Langley	Agriculture
Matthew Pickford	General government, legislative branch
Sarah Puro	Highways, mass transit, Amtrak, deposit insurance, credit unions
Stephen Rabent	Commerce, Small Business Administration, Universal Service Fund
Robert Reese	Community and regional development, administration of justice, Federal Emergency Management Agency, Bureau of Indian Affairs, other natural resources
Jon Sperl	Pollution control and abatement, recreational resources
Aurora Swanson	Water resources, Fannie Mae and Freddie Mac

*Other Areas and Functions*

Shane Beaulieu	Computer support
Barry Blom	Federal pay, monthly Treasury data
Joanna Capps	Appropriation bills (Labor, Health and Human Services, and Education; Legislative Branch; State and Foreign Operations)
Meredith Decker	Other interest, debt limit
Karen Dinh	Computer support
Avi Lerner	Interest on the public debt, automatic budget enforcement and sequestration, Troubled Asset Relief Program
Amber Marcellino	Federal civilian retirement, historical data
Jeffrey Perry	Fannie Mae and Freddie Mac, Federal Housing Administration
Dan Ready	Various federal retirement programs, national income and product accounts, federal pay
Mitchell Remy	Fannie Mae and Freddie Mac, Federal Housing Administration

*Other Areas and Functions (Continued)*

Justin Riordan	Appropriation bills (Commerce, Justice, and Science; Financial Services and General Government)
Mark Sanford	Appropriation bills (Agriculture and Food and Drug Administration; Defense)
Esther Steinbock	Appropriation bills (Energy and Water Development; Military Construction and Veterans Affairs; Transportation and Housing and Urban Development)
J'nell Blanco Suchy	Appropriation bills (Homeland Security; Interior), authorization bills
Patrice Watson	Database system administrator

**Long-Term Projections**

The long-term projections were prepared by the Health, Retirement, and Long-Term Analysis Division and the Macroeconomic Analysis Division. That work was supervised by Julie Topoleski and Felix Reichling. Stephanie Hugie Barello, Jonathan Huntley, and Michael Simpson prepared the projections.

**Writing**

Christina Hawley Anthony wrote the summary. Barry Blom wrote Chapter 1, with assistance from Nathaniel Frentz and Joshua Shakin. Charles Whalen and Christopher Williams wrote Chapter 2. Amber Marcellino wrote Appendix A, with assistance from Pamela Greene. Dan Ready wrote Appendix B, with assistance from Nathaniel Frentz. Claire Sleight compiled Appendix C.

**Reviewing, Editing, Fact-Checking, and Publishing**

Wendy Edelberg, Jeffrey Kling, and Robert Sunshine reviewed the report. The editing and publishing were handled by CBO's editing and publishing group, supervised by Benjamin Plotinsky, and the agency's web team, supervised by Deborah Kilroe.

Christine Bogusz, Kate Kelly, Loretta Lettner, Bo Peery, and Benjamin Plotinsky edited the report; Maureen Costantino, Christian Howlett, and Gabe Waggoner produced the graphics and prepared the report for publication; and Robert Dean, Annette Kalicki, Adam Russell, and Simone Thomas published the report on CBO's website.

Zachary Byrum, Kent Christensen, Meredith Decker, Jacob Fabian, Ann Futrell, Peter Huether, Alec MacMillen, David Newman, Stephen Rabent, Robert Reese, Claire Sleight, and Adam Staveski fact-checked the report.

Jacob Fabian, Lori Housman, Amber Marcellino, Dan Ready, Lara Robillard, Claire Sleight, and Adam Staveski compiled supplemental data, which are posted with this report on CBO's website. Bo Peery and Simone Thomas coordinated the presentation of those materials.



