Table B–2. Gross domestic product, 2002–2017

[Quarterly data at seasonally adjusted annual rates]

Year or quarter	Gross domestic product	Personal consumption expenditures			Gross private domestic investment							
						Fixed investment						Change in private inventories
							Nonresidential				Residential	
		Total	Goods	Services	Total	Total	Total	Structures	Equipment	Intellectual property products		
	Billions of dollars											
2002	10,977.5	7,384.1	2,598.6	4,785.5	1,925.0	1,906.5	1,348.9	282.9	659.6	406.4	557.6	18.5
2003	11,510.7	7,765.5	2,721.6	5,044.0	2,027.9	2,008.7	1,371.7	281.8	669.0	420.9	636.9	19.3
2004	12,274.9	8,260.0	2,900.3	5,359.8	2,276.7	2,212.8	1,463.1	301.8	719.2	442.1	749.7	63.9
2005	13,093.7	8,794.1	3,080.3	5,713.8	2,527.1	2,467.5	1,611.5	345.6	790.7	475.1	856.1	59.6
2006	13,855.9	9,304.0	3,235.8	6,068.2	2,680.6	2,613.7	1,776.3	415.6	856.1	504.6	837.4	67.0
2007	14,477.6	9,750.5	3,361.6	6,388.9	2,643.7	2,609.3	1,920.6	496.9	885.8	537.9	688.7	34.5
2008	14,718.6	10,013.6	3,375.7	6,637.9	2,424.8	2,456.8	1,941.0	552.4	825.1	563.4	515.9	–32.0
2009	14,418.7	9,847.0	3,198.4	6,648.5	1,878.1	2,025.7	1,633.4	438.2	644.3	550.9	392.2	–147.6
2010	14,964.4	10,202.2	3,362.8	6,839.4	2,100.8	2,039.3	1,658.2	362.0	731.8	564.3	381.1	61.5
2011	15,517.9	10,689.3	3,596.5	7,092.8	2,239.9	2,198.1	1,812.1	381.6	838.2	592.2	386.0	41.8
2012	16,155.3	11,050.6	3,739.1	7,311.5	2,511.7	2,449.9	2,007.7	448.0	937.9	621.7	442.2	61.8
2013	16,691.5	11,361.2	3,834.5	7,526.7	2,706.3	2,613.9	2,094.4	463.6	982.8	647.9	519.5	92.4
2014	17,427.6	11,863.7	3,970.5	7,893.2	2,916.4	2,838.4	2,268.3	537.5	1,046.5	684.3	570.2	78.0
2015	18,120.7	12,332.3	4,033.2	8,299.1	3,093.6	2,981.6	2,336.2	537.5	1,081.9	716.8	645.4	111.9
2016	18,624.5	12,820.7	4,121.4	8,699.3	3,057.2	3,022.1	2,316.3	516.2	1,043.9	756.2	705.9	35.1
2017 [P]	19,386.8	13,393.7	4,297.0	9,096.7	3,210.7	3,196.8	2,449.6	558.6	1,098.0	793.0	747.2	13.8
2014: I	17,031.3	11,640.2	3,904.3	7,735.9	2,780.7	2,736.9	2,194.7	515.5	1,010.3	668.9	542.2	43.8
II	17,320.9	11,791.9	3,963.9	7,828.0	2,895.0	2,812.3	2,251.5	537.1	1,038.5	675.8	560.8	82.7
III	17,622.3	11,941.1	4,000.5	7,940.7	2,992.0	2,893.4	2,316.0	542.3	1,085.0	688.8	577.4	98.6
IV	17,735.9	12,081.4	4,013.2	8,068.2	2,997.9	2,911.1	2,310.9	555.1	1,052.0	703.7	600.2	86.8
2015: I	17,874.7	12,142.2	3,975.1	8,167.0	3,094.6	2,946.0	2,328.6	552.7	1,073.4	702.5	617.4	148.6
II	18,093.2	12,284.2	4,029.6	8,254.6	3,096.3	2,978.2	2,343.2	556.8	1,073.6	712.9	635.0	118.1
III	18,227.7	12,407.8	4,067.2	8,340.6	3,115.7	3,010.0	2,353.5	536.2	1,097.3	719.9	656.5	105.7
IV	18,287.2	12,494.9	4,060.7	8,434.2	3,067.7	2,992.3	2,319.7	504.3	1,083.5	731.9	672.6	75.4
2016: I	18,325.2	12,571.5	4,046.9	8,524.6	3,031.6	2,989.4	2,291.2	504.6	1,046.2	740.4	698.3	42.2
II	18,538.0	12,755.0	4,108.5	8,646.5	3,023.1	3,010.9	2,311.2	508.7	1,044.3	758.2	699.7	12.2
III	18,729.1	12,899.4	4,134.4	8,765.0	3,048.0	3,031.5	2,329.1	525.6	1,040.9	762.5	702.4	16.5
IV	18,905.5	13,056.9	4,195.9	8,861.0	3,126.2	3,056.7	2,333.7	525.8	1,044.3	763.7	723.0	69.5
2017: I	19,057.7	13,191.6	4,230.8	8,960.7	3,128.7	3,128.9	2,383.4	548.4	1,057.6	777.4	745.5	–.1
II	19,250.0	13,307.0	4,247.2	9,059.8	3,178.1	3,173.3	2,433.6	563.0	1,082.3	788.2	739.7	4.9
III	19,500.6	13,429.1	4,301.4	9,127.7	3,249.2	3,207.3	2,468.4	559.0	1,111.0	798.4	738.9	41.9
IV [P]	19,738.9	13,647.1	4,408.5	9,238.6	3,286.5	3,277.8	2,513.0	563.9	1,141.1	808.1	764.7	8.8
	Billions of chained (2009) dollars											
2002	12,908.8	8,598.8	2,770.2	5,838.2	2,218.2	2,201.1	1,498.0	432.5	658.0	425.9	682.7	22.5
2003	13,271.1	8,867.6	2,904.5	5,966.9	2,308.7	2,289.5	1,526.1	415.8	679.0	442.2	744.5	22.6
2004	13,773.5	9,208.2	3,051.9	6,156.6	2,511.3	2,443.9	1,605.4	414.1	731.2	464.9	818.9	71.4
2005	14,234.2	9,531.8	3,177.2	6,353.4	2,672.6	2,611.0	1,717.4	421.2	801.6	495.0	872.6	64.3
2006	14,613.8	9,821.7	3,292.5	6,526.6	2,730.0	2,662.5	1,839.6	451.5	870.8	517.5	806.6	71.6
2007	14,873.7	10,041.6	3,381.8	6,656.4	2,644.1	2,609.6	1,948.4	509.0	898.3	542.4	654.8	35.5
2008	14,830.4	10,007.2	3,297.8	6,708.6	2,396.0	2,432.6	1,934.4	540.2	836.1	558.8	497.7	–33.7
2009	14,418.7	9,847.0	3,198.4	6,648.5	1,878.1	2,025.7	1,633.4	438.2	644.3	550.9	392.2	–147.6
2010	14,783.8	10,036.3	3,308.7	6,727.6	2,120.4	2,056.2	1,673.8	366.3	746.7	561.3	382.4	58.2
2011	15,020.6	10,263.5	3,411.8	6,851.4	2,230.4	2,186.7	1,802.3	374.7	847.9	581.3	384.5	37.6
2012	15,354.6	10,413.2	3,504.3	6,908.1	2,465.7	2,400.4	1,964.1	423.1	939.2	603.8	436.5	54.7
2013	15,612.2	10,565.4	3,613.5	6,951.3	2,616.5	2,521.4	2,032.9	428.8	982.3	624.5	488.3	78.7
2014	16,013.3	10,868.4	3,753.5	7,115.5	2,761.7	2,677.3	2,172.7	474.0	1,047.4	653.1	505.2	67.8
2015	16,471.5	11,264.3	3,927.3	7,340.1	2,905.4	2,782.7	2,223.5	465.4	1,084.5	677.8	556.9	100.5
2016	16,716.2	11,572.1	4,072.2	7,507.3	2,858.3	2,803.4	2,210.4	446.4	1,047.8	720.4	587.4	33.4
2017 [P]	17,092.7	11,888.9	4,230.5	7,672.5	2,950.3	2,915.5	2,314.2	470.1	1,098.0	750.5	597.5	13.6
2014: I	15,757.6	10,713.4	3,677.9	7,035.3	2,652.5	2,599.4	2,112.6	463.5	1,012.6	637.9	487.6	38.7
II	15,935.8	10,805.1	3,733.5	7,072.3	2,750.6	2,663.0	2,160.6	477.0	1,039.1	645.8	503.0	69.9
III	16,139.5	10,909.9	3,774.8	7,135.9	2,826.4	2,722.5	2,215.1	474.9	1,085.8	657.8	508.5	85.6
IV	16,220.2	11,045.2	3,827.8	7,218.7	2,817.3	2,724.2	2,202.4	480.5	1,052.3	670.9	521.8	76.9
2015: I	16,350.0	11,145.3	3,867.2	7,279.6	2,905.4	2,751.5	2,214.7	477.9	1,073.2	666.1	536.1	132.2
II	16,460.9	11,227.9	3,910.2	7,320.6	2,911.3	2,783.4	2,230.7	483.3	1,075.3	674.1	551.1	105.6
III	16,527.6	11,304.6	3,952.0	7,356.7	2,925.5	2,806.6	2,238.8	463.8	1,101.3	678.9	565.2	96.2
IV	16,547.6	11,379.3	3,979.9	7,403.7	2,879.2	2,789.4	2,209.9	436.7	1,088.3	692.2	575.3	68.2
2016: I	16,571.6	11,430.5	4,000.4	7,434.7	2,849.8	2,787.8	2,187.5	439.1	1,050.7	702.8	593.7	40.6
II	16,663.5	11,537.7	4,059.1	7,485.7	2,830.2	2,797.5	2,205.3	439.7	1,049.0	721.5	586.5	12.2
III	16,778.1	11,618.1	4,090.8	7,534.9	2,847.2	2,808.2	2,224.0	454.6	1,043.4	729.0	579.8	17.6
IV	16,851.4	11,702.1	4,138.4	7,573.8	2,905.7	2,820.3	2,224.9	452.1	1,048.0	728.3	589.8	63.1
2017: I	16,903.2	11,758.0	4,145.4	7,621.0	2,897.0	2,875.7	2,263.6	468.0	1,059.4	738.6	605.5	1.2
II	17,031.1	11,853.0	4,199.9	7,664.4	2,924.7	2,898.5	2,300.6	476.0	1,082.0	745.3	594.1	5.5
III	17,163.9	11,916.6	4,246.0	7,685.5	2,976.5	2,915.8	2,326.9	467.4	1,110.1	754.8	587.0	38.5
IV [P]	17,272.5	12,028.1	4,330.6	7,719.1	3,003.0	2,971.9	2,365.7	469.0	1,140.4	763.1	603.4	9.2

See next page for continuation of table.

AUTHENTICATED U.S. GOVERNMENT INFORMATION GPO

Table B–2. Gross domestic product, 2002–2017—*Continued*

[Quarterly data at seasonally adjusted annual rates]

Year or quarter	Net exports of goods and services			Government consumption expenditures and gross investment					Final sales of domestic product	Gross domestic purchases [1]	Final sales to private domestic purchasers [2]	Gross domestic income (GDI) [3]	Average of GDP and GDI
	Net exports	Exports	Imports	Total	Federal			State and local					
					Total	National defense	Non-defense						
	Billions of dollars												
2002	–426.5	1,002.5	1,429.0	2,094.9	740.6	456.8	283.8	1,354.3	10,959.0	11,404.0	9,290.5	11,050.3	11,013.9
2003	–503.7	1,040.3	1,543.9	2,220.8	824.8	519.9	304.9	1,396.0	11,491.4	12,014.3	9,774.2	11,524.3	11,517.5
2004	–619.2	1,181.5	1,800.7	2,357.4	892.4	570.2	322.1	1,465.0	12,211.1	12,894.1	10,472.8	12,283.5	12,279.2
2005	–721.2	1,308.9	2,030.1	2,493.7	946.3	608.3	338.1	1,547.4	13,034.1	13,814.9	11,261.6	13,129.2	13,111.5
2006	–770.9	1,476.3	2,247.3	2,642.2	1,002.0	642.4	359.6	1,640.2	13,788.9	14,626.8	11,917.7	14,073.2	13,964.5
2007	–718.5	1,664.6	2,383.2	2,801.9	1,049.8	678.7	371.0	1,752.2	14,443.2	15,196.2	12,359.8	14,460.1	14,468.9
2008	–723.1	1,841.9	2,565.0	3,003.2	1,155.6	754.1	401.5	1,847.6	14,750.6	15,441.6	12,470.5	14,619.2	14,668.9
2009	–395.4	1,587.7	1,983.2	3,089.1	1,217.7	788.3	429.4	1,871.4	14,566.3	14,814.2	11,872.7	14,343.4	14,381.1
2010	–512.7	1,852.3	2,365.0	3,174.0	1,303.9	832.8	471.1	1,870.2	14,902.8	15,477.0	12,241.5	14,915.2	14,939.8
2011	–580.0	2,106.4	2,686.4	3,168.7	1,303.5	836.9	466.5	1,865.3	15,476.2	16,097.9	12,887.4	15,556.3	15,537.1
2012	–565.7	2,198.2	2,763.8	3,158.6	1,292.5	817.8	474.7	1,866.1	16,093.5	16,720.9	13,500.5	16,358.5	16,256.9
2013	–492.0	2,276.6	2,768.6	3,116.1	1,229.5	767.0	462.5	1,886.6	16,599.1	17,183.5	13,975.1	16,829.5	16,760.5
2014	–509.5	2,373.6	2,883.2	3,157.0	1,218.1	745.6	472.5	1,938.9	17,349.6	17,937.1	14,702.1	17,657.5	17,542.6
2015	–524.0	2,264.9	2,789.0	3,218.9	1,224.0	731.6	492.4	1,994.9	18,008.8	18,644.8	15,313.9	18,376.6	18,248.7
2016	–521.2	2,214.6	2,735.8	3,267.8	1,231.5	728.9	502.6	2,036.3	18,589.4	19,145.7	15,842.8	18,771.6	18,698.1
2017 [p]	–570.9	2,343.9	2,914.8	3,353.3	1,260.7	744.5	516.2	2,092.6	19,373.0	19,957.7	16,590.5	.....	.....
2014: I	–516.4	2,340.0	2,856.4	3,126.9	1,216.6	748.8	467.8	1,910.3	16,987.5	17,547.8	14,377.0	17,199.1	17,115.2
II	–512.7	2,391.3	2,903.9	3,146.6	1,215.5	747.4	468.0	1,931.2	17,238.2	17,833.6	14,604.3	17,538.6	17,429.7
III	–489.1	2,389.0	2,878.1	3,178.2	1,228.3	753.6	474.7	1,949.9	17,523.7	18,111.4	14,834.6	17,827.9	17,725.1
IV	–519.8	2,374.4	2,894.2	3,176.5	1,212.2	732.7	479.5	1,964.2	17,649.1	18,255.7	14,992.5	18,064.6	17,900.3
2015: I	–538.2	2,289.0	2,827.3	3,176.2	1,218.7	731.7	487.0	1,957.5	17,726.1	18,412.9	15,088.1	18,147.7	18,011.2
II	–507.1	2,303.9	2,811.0	3,219.8	1,224.9	735.0	489.9	1,994.8	17,975.1	18,600.3	15,262.4	18,356.7	18,225.0
III	–530.8	2,256.6	2,787.4	3,235.0	1,222.6	726.8	495.8	2,012.5	18,122.0	18,758.5	15,417.8	18,447.2	18,337.5
IV	–520.1	2,210.1	2,730.2	3,244.7	1,229.9	732.8	497.1	2,014.8	18,211.8	18,807.3	15,487.2	18,554.9	18,421.0
2016: I	–526.2	2,166.5	2,692.8	3,248.3	1,227.9	728.9	499.0	2,020.4	18,283.0	18,851.4	15,560.9	18,551.3	18,438.3
II	–501.6	2,201.8	2,703.4	3,261.5	1,228.2	726.9	501.3	2,033.3	18,525.9	19,039.6	15,765.9	18,670.9	18,604.5
III	–492.8	2,248.4	2,741.3	3,274.6	1,234.6	732.3	502.3	2,040.0	18,712.7	19,222.0	15,930.9	18,924.4	18,826.7
IV	–564.3	2,241.5	2,805.8	3,286.8	1,235.4	727.6	507.8	2,051.4	18,836.1	19,469.9	16,113.6	18,939.9	18,922.7
2017: I	–582.8	2,295.6	2,878.4	3,320.2	1,244.3	730.2	514.1	2,075.9	19,057.8	19,640.5	16,320.4	19,160.1	19,108.9
II	–567.2	2,314.9	2,882.1	3,332.1	1,255.8	741.4	514.5	2,076.2	19,245.2	19,817.2	16,480.3	19,317.0	19,283.5
III	–534.1	2,345.9	2,880.1	3,356.5	1,263.5	746.7	516.9	2,092.9	19,458.7	20,034.8	16,636.4	19,515.0	19,507.8
IV [p]	–599.3	2,419.2	3,018.5	3,404.6	1,279.1	759.7	519.5	2,125.5	19,730.1	20,338.2	16,924.8	.....	.....
	Billions of chained (2009) dollars												
2002	–584.3	1,164.5	1,748.8	2,705.8	910.8	567.3	343.3	1,802.4	12,888.9	13,518.4	10,805.0	12,994.4	12,951.5
2003	–641.9	1,185.0	1,826.9	2,764.3	973.0	615.4	357.5	1,795.3	13,249.0	13,938.5	11,162.3	13,286.8	13,278.9
2004	–734.8	1,300.6	2,035.3	2,808.2	1,017.1	652.7	364.5	1,792.8	13,702.2	14,531.7	11,657.9	13,783.1	13,778.3
2005	–782.3	1,381.9	2,164.2	2,826.2	1,034.8	665.5	369.4	1,792.3	14,168.8	15,040.3	12,149.9	14,272.7	14,253.5
2006	–794.3	1,506.8	2,301.0	2,869.3	1,060.9	678.8	382.1	1,808.8	14,542.3	15,431.6	12,490.8	14,842.9	14,728.4
2007	–712.6	1,646.4	2,359.0	2,914.4	1,078.7	695.6	383.1	1,836.1	14,836.2	15,606.8	12,655.0	14,855.8	14,864.8
2008	–557.8	1,740.8	2,298.6	2,994.8	1,152.3	748.1	404.2	1,842.4	14,865.7	15,399.9	12,441.1	14,730.2	14,780.3
2009	–395.4	1,587.7	1,983.2	3,089.1	1,217.7	788.3	429.4	1,871.4	14,566.3	14,814.2	11,872.7	14,343.4	14,381.1
2010	–458.8	1,776.6	2,235.4	3,091.4	1,270.7	813.5	457.1	1,820.8	14,722.2	15,244.9	12,092.5	14,735.2	14,759.5
2011	–459.4	1,898.3	2,357.7	2,997.4	1,236.4	795.0	441.4	1,761.0	14,979.0	15,483.9	12,448.1	15,057.7	15,039.1
2012	–447.1	1,963.2	2,410.2	2,941.6	1,213.5	768.2	445.3	1,728.1	15,292.3	15,804.3	12,806.0	15,547.8	15,451.2
2013	–404.9	2,031.5	2,436.4	2,857.6	1,142.8	715.7	427.0	1,714.1	15,521.1	16,016.9	13,076.3	15,741.2	15,676.7
2014	–427.7	2,118.4	2,546.1	2,839.1	1,115.0	686.8	427.9	1,723.0	15,932.9	16,441.8	13,532.7	16,224.6	16,118.9
2015	–545.3	2,127.1	2,672.4	2,878.5	1,114.1	672.0	441.6	1,762.8	16,354.3	17,017.2	14,033.4	16,704.1	16,587.8
2016	–586.3	2,120.1	2,706.3	2,900.2	1,114.6	667.0	447.0	1,783.6	16,664.1	17,301.6	14,362.7	16,848.2	16,782.2
2017 [p]	–621.5	2,191.3	2,812.8	2,903.2	1,116.7	668.8	447.3	1,784.7	17,060.0	17,710.7	14,790.3	.....	.....
2014: I	–411.0	2,075.8	2,486.8	2,827.2	1,118.1	691.8	426.1	1,708.2	15,707.4	16,169.0	13,301.0	15,912.8	15,835.2
II	–426.2	2,121.8	2,548.0	2,834.7	1,113.7	689.0	424.5	1,719.9	15,852.3	16,363.3	13,455.2	16,136.1	16,035.9
III	–416.7	2,125.1	2,541.8	2,849.5	1,122.1	693.1	428.8	1,726.4	16,040.3	16,556.6	13,618.4	16,327.9	16,233.7
IV	–456.9	2,150.8	2,607.7	2,845.0	1,106.1	673.5	432.2	1,737.4	16,131.6	16,678.5	13,756.1	16,520.8	16,370.5
2015: I	–524.1	2,126.4	2,650.5	2,855.7	1,110.3	671.8	438.0	1,743.9	16,202.3	16,875.2	13,883.3	16,599.6	16,474.8
II	–526.2	2,145.8	2,672.0	2,879.9	1,115.1	675.2	439.5	1,763.1	16,338.6	16,988.0	13,997.6	16,700.6	16,580.8
III	–559.3	2,124.1	2,683.4	2,888.3	1,112.0	667.4	444.0	1,774.4	16,414.1	17,086.9	14,097.2	16,726.7	16,627.1
IV	–571.5	2,111.9	2,683.5	2,890.2	1,118.9	673.4	445.0	1,769.7	16,462.1	17,118.7	14,155.4	16,789.8	16,668.7
2016: I	–584.2	2,098.1	2,682.3	2,903.2	1,114.6	668.9	445.1	1,786.6	16,512.7	17,154.8	14,205.3	16,776.1	16,673.8
II	–572.4	2,112.5	2,684.9	2,896.3	1,112.1	665.4	446.1	1,782.3	16,632.6	17,236.2	14,322.3	16,783.0	16,723.2
III	–557.3	2,145.3	2,702.6	2,899.9	1,116.5	669.6	446.4	1,781.6	16,741.1	17,336.7	14,413.5	16,953.0	16,865.6
IV	–631.1	2,124.4	2,755.5	2,901.2	1,115.2	664.1	450.3	1,784.1	16,770.0	17,478.6	14,509.8	16,882.1	16,866.8
2017: I	–622.2	2,162.3	2,784.5	2,896.6	1,108.4	658.6	449.0	1,786.2	16,883.5	17,521.6	14,619.9	16,994.1	16,948.7
II	–613.6	2,181.1	2,794.8	2,895.2	1,113.7	666.2	446.9	1,779.6	17,006.6	17,641.8	14,737.6	17,090.3	17,060.7
III	–597.5	2,192.4	2,790.0	2,900.0	1,117.4	670.2	446.6	1,780.7	17,106.3	17,760.4	14,818.4	17,176.6	17,170.2
IV [p]	–652.6	2,229.5	2,882.1	2,921.1	1,127.2	680.1	446.7	1,792.2	17,243.5	17,919.1	14,985.2	.....	.....

[1] Gross domestic product (GDP) less exports of goods and services plus imports of goods and services.
[2] Personal consumption expenditures plus gross private fixed investment.
[3] For chained dollar measures, gross domestic income is deflated by the implicit price deflator for GDP.

Source: Department of Commerce (Bureau of Economic Analysis).