

2021 Annual Update of the National Income and Product Accounts

Supplemental Tables

Released July 29, 2021

Table A1. Revisions to Real Gross Domestic Product, Expanded Detail, Over the Period 2015–2020

[Billions of chained dollars]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2015	2020	Change for 2015–2020		2015	2020	Change for 2015–2020		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	17,432.2	18,426.1	993.9	1.1	17,390.3	18,384.7	994.4	1.1	0.5	0.0
2	Personal consumption expenditures	11,934.3	12,725.6	791.3	1.3	11,892.9	12,629.9	737.0	1.2	-54.4	-0.1
3	Goods	4,090.9	4,944.3	853.4	3.9	4,090.9	4,942.5	851.6	3.9	-1.8	0.0
4	Durable goods	1,400.6	1,886.9	486.2	6.1	1,400.6	1,884.3	483.6	6.1	-2.6	0.0
5	Motor vehicles and parts	472.8	535.1	62.3	2.5	472.8	542.0	69.1	2.8	6.8	0.3
6	Furnishings and durable household equipment	318.4	433.3	114.9	6.4	318.4	444.4	126.0	6.9	11.1	0.5
7	Recreational goods and vehicles	387.2	697.2	310.0	12.5	387.2	678.5	291.2	11.9	-18.7	-0.6
8	Other durable goods	222.4	257.2	34.8	3.0	222.4	251.8	29.4	2.5	-5.4	-0.5
9	Nondurable goods	2,693.7	3,078.8	385.1	2.7	2,693.7	3,080.5	386.8	2.7	1.7	0.0
10	Food and beverages purchased for off-premises consumption	884.8	1,050.0	165.2	3.5	884.8	1,062.0	177.2	3.7	11.9	0.2
11	Clothing and footwear	368.5	380.2	11.7	0.6	368.5	390.2	21.7	1.1	10.0	0.5
12	Gasoline and other energy goods	450.0	389.0	-61.0	-2.9	450.0	386.3	-63.7	-3.0	-2.7	-0.1
13	Other nondurable goods	991.3	1,217.7	226.5	4.2	991.3	1,196.4	205.1	3.8	-21.3	-0.4
14	Services	7,849.0	7,898.6	49.5	0.1	7,809.8	7,808.5	-1.3	0.0	-50.8	-0.1
15	Household consumption expenditures (for services)	7,511.1	7,481.9	-29.2	-0.1	7,471.7	7,393.5	-78.3	-0.2	-49.0	-0.1
16	Housing and utilities	2,089.3	2,217.6	128.2	1.2	2,039.6	2,124.3	84.6	0.8	-43.6	-0.4
17	Health care	1,994.6	2,051.5	56.9	0.6	1,994.6	2,051.8	57.2	0.6	0.3	0.0
18	Transportation services	388.1	339.7	-48.4	-2.6	388.1	337.1	-50.9	-2.8	-2.6	-0.2
19	Recreation services	467.3	343.1	-124.2	-6.0	467.3	353.6	-113.7	-5.4	10.5	0.6
20	Food services and accommodations	773.2	658.2	-115.0	-3.2	773.2	663.2	-110.0	-3.0	5.0	0.2
21	Financial services and insurance	837.7	869.0	31.3	0.7	848.8	851.6	2.8	0.1	-28.5	-0.6
22	Other services	964.2	986.8	22.6	0.5	964.1	1,004.0	39.9	0.8	17.2	0.3
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	338.4	412.9	74.5	4.1	338.4	411.4	73.0	4.0	-1.5	-0.1
24	Gross output of nonprofit institutions	1,298.4	1,379.0	80.6	1.2	1,298.4	1,369.3	70.9	1.1	-9.6	-0.1
25	Less: Receipts from sales of goods and services by nonprofit institutions	960.5	961.7	1.2	0.0	960.5	954.2	-6.3	-0.1	-7.4	-0.1
26	Gross private domestic investment	3,121.8	3,263.3	141.6	0.9	3,121.8	3,316.2	194.5	1.2	52.9	0.3
27	Fixed investment	2,979.0	3,311.3	332.3	2.1	2,979.0	3,329.4	350.4	2.2	18.1	0.1
28	Nonresidential	2,420.3	2,665.1	244.7	1.9	2,420.3	2,671.1	250.7	2.0	6.0	0.1
29	Structures	534.1	487.4	-46.8	-1.8	534.1	494.2	-40.0	-1.5	6.8	0.3
30	Equipment	1,134.6	1,204.8	70.2	1.2	1,134.6	1,154.0	19.4	0.3	-50.8	-0.9
31	Information processing equipment	393.3	530.0	136.7	6.1	393.3	523.0	129.7	5.9	-7.0	-0.2
32	Computers and peripheral equipment	103.4	151.3	47.9	7.9	103.4	140.7	37.3	6.4	-10.6	-1.5
33	Other	291.0	377.0	86.0	5.3	291.0	382.5	91.5	5.6	5.5	0.3
34	Industrial equipment	216.7	238.5	21.8	1.9	216.7	228.8	12.1	1.1	-9.7	-0.8
35	Transportation equipment	292.8	222.9	-69.9	-5.3	292.8	191.3	-101.5	-8.2	-31.6	-2.9
36	Other equipment	232.4	240.9	8.5	0.7	232.4	240.2	7.8	0.7	-0.8	0
37	Intellectual property products	752.4	984.9	232.5	5.5	752.4	1,031.3	279.0	6.5	46.5	1.0
38	Software	320.2	475.5	155.3	8.2	320.2	502.3	182.0	9.4	26.7	1.2
39	Research and development	357.1	440.7	83.6	4.3	357.1	458.8	101.7	5.1	18.1	0.8
40	Entertainment, literary, and artistic originals	75.5	77.5	2.1	0.5	75.5	79.6	4.2	1.1	2.1	0.6
41	Residential	555.4	638.1	82.6	2.8	555.4	648.0	92.6	3.1	10.0	0.3
42	Change in private inventories	137.6	-77.4	-215.0	—	137.6	-42.3	-179.8	—	35.2	—
43	Farm	1.1	-1.2	-2.3	—	1.1	-7.7	-8.8	—	-6.5	—
44	Nonfarm	136.5	-75.1	-211.7	—	136.5	-35.3	-171.8	—	39.9	—

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2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2015	2020	Change for 2015–2020		2015	2020	Change for 2015–2020		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-719.5	-926.0	-206.5	—	-721.7	-942.7	-221.0	—	-14.5	—
46	Exports	2,375.2	2,216.9	-158.4	-1.4	2,378.7	2,207.6	-171.1	-1.5	-12.8	-0.1
47	Goods	1,636.9	1,613.8	-23.1	-0.3	1,638.9	1,606.8	-32.1	-0.4	-9.0	-0.1
48	Services	737.3	620.5	-116.8	-3.4	739.2	617.2	-122.0	-3.5	-5.2	-0.1
49	Imports	3,094.8	3,142.9	48.1	0.3	3,100.4	3,150.3	49.8	0.3	1.7	0.0
50	Goods	2,612.0	2,746.6	134.6	1.0	2,612.4	2,750.2	137.9	1.0	3.3	0.0
51	Services	485.0	420.7	-64.3	-2.8	490.6	423.8	-66.8	-2.9	-2.5	-0.1
52	Government consumption expenditures and gross investment	3,088.2	3,341.0	252.8	1.6	3,088.4	3,360.2	271.8	1.7	19.0	0.1
53	Federal	1,183.8	1,332.6	148.8	2.4	1,184.5	1,340.7	156.1	2.5	7.3	0.1
54	National defense	713.1	807.7	94.6	2.5	713.1	800.9	87.8	2.4	-6.8	-0.1
55	Consumption expenditures	572.6	631.4	58.8	2.0	572.6	631.3	58.7	2.0	-0.1	0.0
56	Gross investment	140.5	177.0	36.5	4.7	140.5	170.1	29.6	3.9	-6.8	-0.8
57	Nondefense	470.2	524.7	54.5	2.2	471.0	539.0	68.0	2.7	13.6	0.5
58	Consumption expenditures	349.4	384.4	35.0	1.9	350.1	394.3	44.1	2.4	9.1	0.5
59	Gross investment	120.9	140.5	19.7	3.1	120.9	145.0	24.1	3.7	4.4	0.6
60	State and local	1,902.9	2,009.1	106.2	1.1	1,902.2	2,019.9	117.7	1.2	11.5	0.1
61	Consumption expenditures	1,564.0	1,623.5	59.5	0.7	1,563.3	1,642.5	79.2	1.0	19.7	0.3
62	Gross investment	338.9	385.5	46.6	2.6	338.9	377.4	38.5	2.2	-8.1	-0.4
Addenda:											
63	Gross domestic income ¹	17,659.0	18,449.8	790.8	0.9	17,614.3	18,534.8	920.5	1.0	129.6	0.1
64	Average of GDP and GDI ²	17,545.6	18,438.0	892.4	1.0	17,502.3	18,459.7	957.4	1.1	65.1	0.1
65	Final sales of domestic product	17,290.1	18,471.0	1,180.9	1.3	17,248.3	18,395.9	1,147.7	1.3	-33.3	0.0
66	Gross domestic purchases	18,141.1	19,330.0	1,188.9	1.3	18,100.1	19,306.6	1,206.5	1.3	17.7	0.0
67	Gross national product	17,647.6	18,612.0	964.4	1.1	17,602.5	18,582.3	979.8	1.1	15.4	0.0
68	Disposable personal income ³	13,377.2	15,766.3	2,389.1	3.3	13,330.0	15,672.8	2,342.8	3.3	-46.3	0.0

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

**Table A2. Revisions to Real Gross Domestic Product,
Expanded Detail, Over the Period 2015Q4–2016Q4**

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2015Q4	2016Q4	Change for 2015Q4–2016Q4		2015Q4	2016Q4	Change for 2015Q4–2016Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	17,514.1	17,876.2	362.1	2.1	17,462.6	17,812.6	350.0	2.0	-12.1	-0.1
2	Personal consumption expenditures	12,055.4	12,380.0	324.6	2.7	12,003.1	12,283.1	279.9	2.3	-44.7	-0.4
3	Goods	4,136.5	4,286.7	150.2	3.6	4,136.5	4,278.7	142.3	3.4	-7.9	-0.2
4	Durable goods	1,423.3	1,522.2	98.9	7.0	1,423.3	1,513.4	90.1	6.3	-8.8	-0.7
5	Motor vehicles and parts	471.7	504.7	32.9	7.0	471.7	503.7	31.9	6.8	-1.0	-0.2
6	Furnishings and durable household equipment	329.1	351.4	22.3	6.8	329.1	349.9	20.9	6.3	-1.4	-0.5
7	Recreational goods and vehicles	397.3	439.9	42.6	10.7	397.3	434.7	37.4	9.4	-5.3	-1.3
8	Other durable goods	226.5	228.7	2.2	1.0	226.5	227.1	0.6	0.3	-1.6	-0.7
9	Nondurable goods	2,716.9	2,770.7	53.7	2.0	2,716.9	2,771.3	54.3	2.0	0.6	0.0
10	Food and beverages purchased for off-premises consumption	887.7	924.4	36.7	4.1	887.7	926.9	39.2	4.4	2.5	0.3
11	Clothing and footwear	370.6	375.9	5.3	1.4	370.6	375.4	4.9	1.3	-0.4	-0.1
12	Gasoline and other energy goods	449.8	446.4	-3.5	-0.8	449.8	448.5	-1.3	-0.3	2.2	0.5
13	Other nondurable goods	1,008.4	1,018.5	10.1	1.0	1,008.4	1,015.7	7.2	0.7	-2.8	-0.3
14	Services	7,924.9	8,104.3	179.3	2.3	7,875.1	8,018.8	143.6	1.8	-35.7	-0.5
15	Household consumption expenditures (for services)	7,575.5	7,745.2	169.7	2.2	7,525.6	7,658.9	133.2	1.8	-36.5	-0.4
16	Housing and utilities	2,097.5	2,128.0	30.5	1.5	2,035.4	2,049.0	13.7	0.7	-16.9	-0.8
17	Health care	2,016.8	2,099.8	83.0	4.1	2,016.8	2,090.6	73.8	3.7	-9.2	-0.4
18	Transportation services	394.2	412.3	18.1	4.6	394.2	413.0	18.8	4.8	0.7	0.2
19	Recreation services	478.3	486.9	8.7	1.8	478.3	488.1	9.8	2.1	1.2	0.3
20	Food services and accommodations	783.2	794.9	11.7	1.5	783.2	794.9	11.7	1.5	0	0.0
21	Financial services and insurance	837.5	823.2	-14.3	-1.7	850.0	830.6	-19.5	-2.3	-5.1	-0.6
22	Other services	972.4	1,010.3	37.8	3.9	973.0	1,004.1	31.1	3.2	-6.7	-0.7
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	349.6	359.1	9.5	2.7	349.6	359.8	10.2	2.9	0.7	0.2
24	Gross output of nonprofit institutions	1,312.4	1,368.7	56.3	4.3	1,312.4	1,359.1	46.7	3.6	-9.6	-0.7
25	Less: Receipts from sales of goods and services by nonprofit institutions	963.0	1,010.0	47.0	4.9	963.0	999.5	36.5	3.8	-10.5	-1.1
26	Gross private domestic investment	3,092.7	3,130.1	37.4	1.2	3,092.7	3,147.6	54.9	1.8	17.5	0.6
27	Fixed investment	2,991.8	3,062.2	70.5	2.4	2,991.8	3,076.5	84.7	2.8	14.3	0.4
28	Nonresidential	2,412.8	2,457.4	44.5	1.8	2,412.8	2,473.6	60.8	2.5	16.3	0.7
29	Structures	510.6	528.5	17.9	3.5	510.6	529.0	18.5	3.6	0.5	0.1
30	Equipment	1,133.6	1,108.7	-24.9	-2.2	1,133.6	1,109.0	-24.6	-2.2	0.3	0.0
31	Information processing equipment	403.8	418.1	14.3	3.5	403.8	417.2	13.4	3.3	-0.9	-0.2
32	Computers and peripheral equipment	101.3	103.1	1.8	1.8	101.3	102.9	1.7	1.6	-0.1	-0.2
33	Other	304.3	317.2	13.0	4.3	304.3	316.4	12.2	4.0	-0.8	-0.3
34	Industrial equipment	217.4	214.9	-2.5	-1.2	217.4	213.8	-3.6	-1.7	-1.1	-0.5
35	Transportation equipment	289.4	268.0	-21.3	-7.4	289.4	270.9	-18.4	-6.4	2.9	1.0
36	Other equipment	225.2	214.1	-11.1	-4.9	225.2	213.2	-12.0	-5.3	-0.9	-0.4
37	Intellectual property products	771.3	820.8	49.5	6.4	771.3	836.3	65.0	8.4	15.5	2.0
38	Software	327.1	355.7	28.6	8.7	327.1	368.2	41.1	12.6	12.5	3.9
39	Research and development	368.1	387.0	18.9	5.1	368.1	389.4	21.3	5.8	2.4	0.7
40	Entertainment, literary, and artistic originals	76.3	79.1	2.8	3.6	76.3	80.2	3.9	5.2	1.2	1.6
41	Residential	573.6	597.6	24.0	4.2	573.6	596.3	22.7	4.0	-1.3	-0.2
42	Change in private inventories	91.4	52.3	-39.1	—	91.4	66.9	-24.5	—	14.6	—
43	Farm	-1.2	-7.3	-6.1	—	-1.2	-8.9	-7.7	—	-1.6	—
44	Nonfarm	91.8	57.3	-34.5	—	91.8	73.1	-18.7	—	15.8	—

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Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2015Q4	2016Q4	Change for 2015Q4–2016Q4		2015Q4	2016Q4	Change for 2015Q4–2016Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-754.5	-806.3	-51.8	—	-756.7	-794.0	-37.3	—	14.6	—
46	Exports	2,363.5	2,397.9	34.3	1.5	2,367.7	2,398.6	30.9	1.3	-3.5	-0.2
47	Goods	1,624.1	1,665.0	40.8	2.5	1,626.3	1,665.0	38.8	2.4	-2.1	-0.1
48	Services	737.7	733.9	-3.8	-0.5	740.1	734.9	-5.2	-0.7	-1.4	-0.2
49	Imports	3,118.0	3,204.2	86.2	2.8	3,124.4	3,192.5	68.2	2.2	-18.0	-0.6
50	Goods	2,620.2	2,700.8	80.6	3.1	2,620.7	2,689.3	68.6	2.6	-11.9	-0.5
51	Services	498.2	505.1	6.9	1.4	504.4	505.8	1.4	0.3	-5.5	-1.1
52	Government consumption expenditures and gross investment	3,110.0	3,156.6	46.6	1.5	3,110.3	3,160.5	50.2	1.6	3.7	0.1
53	Federal	1,190.5	1,191.2	0.7	0.1	1,191.1	1,192.3	1.2	0.1	0.5	0.0
54	National defense	714.0	709.0	-5.0	-0.7	714.0	710.0	-4.0	-0.6	1.0	0.1
55	Consumption expenditures	572.1	574.9	2.8	0.5	572.1	575.4	3.2	0.6	0.5	0.1
56	Gross investment	141.8	134.0	-7.8	-5.5	141.8	134.5	-7.3	-5.1	0.5	0.4
57	Nondefense	476.0	481.5	5.5	1.2	476.6	481.7	5.1	1.1	-0.5	-0.1
58	Consumption expenditures	353.4	354.3	0.8	0.2	354.0	353.7	-0.3	-0.1	-1.1	-0.3
59	Gross investment	122.6	127.4	4.8	3.9	122.6	128.1	5.5	4.5	0.7	0.6
60	State and local	1,918.0	1,963.4	45.5	2.4	1,917.5	1,966.2	48.6	2.5	3.2	0.1
61	Consumption expenditures	1,579.3	1,611.0	31.7	2.0	1,578.9	1,612.5	33.7	2.1	1.9	0.1
62	Gross investment	338.7	352.4	13.7	4.1	338.7	353.6	15.0	4.4	1.2	0.3
Addenda:											
63	Gross domestic income ¹	17,704.5	17,917.6	213.1	1.2	17,656.2	17,860.2	204.1	1.2	-9.1	0.0
64	Average of GDP and GDI ²	17,609.3	17,896.9	287.6	1.6	17,559.4	17,836.4	277.0	1.6	-10.6	0.0
65	Final sales of domestic product	17,413.3	17,807.9	394.6	2.3	17,361.0	17,741.3	380.3	2.2	-14.3	-0.1
66	Gross domestic purchases	18,254.9	18,663.2	408.3	2.2	18,204.0	18,587.9	383.9	2.1	-24.4	-0.1
67	Gross national product	17,741.3	18,138.7	397.3	2.2	17,686.6	18,074.1	387.4	2.2	-9.9	0.0
68	Disposable personal income ³	13,490.5	13,734.8	244.3	1.8	13,439.8	13,656.9	217.1	1.6	-27.2	-0.2

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

**Table A3. Revisions to Real Gross Domestic Product,
Expanded Detail, Over the Period 2016Q4–2017Q4**

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2016Q4	2017Q4	Change for 2016Q4–2017Q4		2016Q4	2017Q4	Change for 2016Q4–2017Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	17,876.2	18,359.4	483.3	2.7	17,812.6	18,296.7	484.1	2.7	0.9	0.0
2	Personal consumption expenditures	12,380.0	12,733.7	353.7	2.9	12,283.1	12,632.0	348.9	2.8	-4.8	-0.1
3	Goods	4,286.7	4,508.3	221.6	5.2	4,278.7	4,496.1	217.3	5.1	-4.3	-0.1
4	Durable goods	1,522.2	1,645.7	123.5	8.1	1,513.4	1,633.3	119.9	7.9	-3.5	-0.2
5	Motor vehicles and parts	504.7	534.1	29.4	5.8	503.7	534.0	30.3	6.0	0.9	0.2
6	Furnishings and durable household equipment	351.4	386.8	35.4	10.1	349.9	386.1	36.2	10.3	0.8	0.2
7	Recreational goods and vehicles	439.9	490.6	50.7	11.5	434.7	480.2	45.5	10.5	-5.1	-1.0
8	Other durable goods	228.7	239.5	10.8	4.7	227.1	237.2	10.1	4.5	-0.7	-0.2
9	Nondurable goods	2,770.7	2,873.2	102.5	3.7	2,771.3	2,872.9	101.7	3.7	-0.9	0.0
10	Food and beverages purchased for off-premises consumption	924.4	957.2	32.8	3.5	926.9	960.0	33.0	3.6	0.3	0.1
11	Clothing and footwear	375.9	389.0	13.1	3.5	375.4	389.6	14.2	3.8	1.1	0.3
12	Gasoline and other energy goods	446.4	448.5	2.2	0.5	448.5	449.5	1.0	0.2	-1.2	-0.3
13	Other nondurable goods	1,018.5	1,067.8	49.3	4.8	1,015.7	1,063.5	47.8	4.7	-1.5	-0.1
14	Services	8,104.3	8,251.9	147.6	1.8	8,018.8	8,165.6	146.8	1.8	-0.8	0.0
15	Household consumption expenditures (for services)	7,745.2	7,903.9	158.7	2.0	7,658.9	7,814.5	155.6	2.0	-3.1	0.0
16	Housing and utilities	2,128.0	2,153.3	25.3	1.2	2,049.0	2,067.6	18.6	0.9	-6.6	-0.3
17	Health care	2,099.8	2,146.0	46.2	2.2	2,090.6	2,134.6	44.0	2.1	-2.1	-0.1
18	Transportation services	412.3	431.8	19.4	4.7	413.0	433.2	20.2	4.9	0.7	0.2
19	Recreation services	486.9	482.2	-4.7	-1.0	488.1	486.2	-1.9	-0.4	2.8	0.6
20	Food services and accommodations	794.9	814.8	19.9	2.5	794.9	814.2	19.2	2.4	-0.7	-0.1
21	Financial services and insurance	823.2	840.8	17.6	2.1	830.6	852.8	22.3	2.7	4.6	0.6
22	Other services	1,010.3	1,047.5	37.2	3.7	1,004.1	1,038.9	34.8	3.5	-2.4	-0.2
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	359.1	348.8	-10.3	-2.9	359.8	351.7	-8.1	-2.3	2.1	0.6
24	Gross output of nonprofit institutions	1,368.7	1,372.9	4.3	0.3	1,359.1	1,360.6	1.6	0.1	-2.7	-0.2
25	Less: Receipts from sales of goods and services by nonprofit institutions	1,010.0	1,025.4	15.4	1.5	999.5	1,009.9	10.4	1.0	-5.1	-0.5
26	Gross private domestic investment	3,130.1	3,256.7	126.6	4.0	3,147.6	3,278.4	130.8	4.2	4.2	0.2
27	Fixed investment	3,062.2	3,209.2	147.0	4.8	3,076.5	3,220.3	143.8	4.7	-3.2	-0.1
28	Nonresidential	2,457.4	2,576.4	119.0	4.8	2,473.6	2,590.5	116.9	4.7	-2.1	-0.1
29	Structures	528.5	528.4	-0.1	0.0	529.0	529.3	0.3	0	0.3	0.0
30	Equipment	1,108.7	1,191.4	82.7	7.5	1,109.0	1,180.4	71.4	6.4	-11.2	-1.1
31	Information processing equipment	418.1	458.9	40.8	9.8	417.2	455.4	38.2	9.2	-2.6	-0.6
32	Computers and peripheral equipment	103.1	112.6	9.6	9.3	102.9	112.0	9.1	8.9	-0.5	-0.4
33	Other	317.2	348.8	31.6	10.0	316.4	345.9	29.5	9.3	-2.2	-0.7
34	Industrial equipment	214.9	233.9	19.0	8.8	213.8	227.9	14.1	6.6	-4.9	-2.2
35	Transportation equipment	268.0	279.8	11.7	4.4	270.9	282.6	11.7	4.3	0	-0.1
36	Other equipment	214.1	227.9	13.8	6.5	213.2	223.4	10.2	4.8	-3.7	-1.7
37	Intellectual property products	820.8	860.9	40.1	4.9	836.3	884.6	48.3	5.8	8.2	0.9
38	Software	355.7	386.5	30.8	8.7	368.2	406.9	38.7	10.5	7.9	1.8
39	Research and development	387.0	397.1	10.1	2.6	389.4	399.7	10.3	2.6	0.1	0.0
40	Entertainment, literary, and artistic originals	79.1	79.9	0.9	1.1	80.2	81.8	1.6	2.0	0.8	0.9
41	Residential	597.6	625.5	27.9	4.7	596.3	623.2	26.9	4.5	-1.0	-0.2
42	Change in private inventories	52.3	25.3	-27.0	—	66.9	45.6	-21.3	—	5.7	—
43	Farm	-7.3	-7.3	0	—	-8.9	-6.8	2.2	—	2.2	—
44	Nonfarm	57.3	30.9	-26.4	—	73.1	50.5	-22.6	—	3.8	—

Table continues on next page

2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2016Q4	2017Q4	Change for 2016Q4–2017Q4		2016Q4	2017Q4	Change for 2016Q4–2017Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-806.3	-847.0	-40.6	—	-794.0	-816.3	-22.4	—	18.3	—
46	Exports	2,397.9	2,536.2	138.4	5.8	2,398.6	2,540.1	141.6	5.9	3.2	0.1
47	Goods	1,665.0	1,766.4	101.4	6.1	1,665.0	1,765.4	100.3	6.0	-1.1	-0.1
48	Services	733.9	771.9	37.9	5.2	734.9	776.6	41.7	5.7	3.8	0.5
49	Imports	3,204.2	3,383.2	179.0	5.6	3,192.5	3,356.5	163.9	5.1	-15.0	-0.5
50	Goods	2,700.8	2,862.0	161.2	6.0	2,689.3	2,837.7	148.3	5.5	-12.9	-0.5
51	Services	505.1	525.1	20.0	4.0	505.8	523.6	17.8	3.5	-2.2	-0.5
52	Government consumption expenditures and gross investment	3,156.6	3,192.8	36.2	1.1	3,160.5	3,183.0	22.5	0.7	-13.7	-0.4
53	Federal	1,191.2	1,206.0	14.8	1.2	1,192.3	1,207.7	15.4	1.3	0.6	0.1
54	National defense	709.0	724.7	15.7	2.2	710.0	725.5	15.5	2.2	-0.2	0.0
55	Consumption expenditures	574.9	578.0	3.0	0.5	575.4	579.3	3.9	0.7	0.9	0.2
56	Gross investment	134.0	146.9	12.8	9.6	134.5	146.3	11.7	8.7	-1.1	-0.9
57	Nondefense	481.5	480.8	-0.7	-0.1	481.7	481.8	0.1	0.0	0.8	0.1
58	Consumption expenditures	354.3	352.0	-2.3	-0.6	353.7	349.6	-4.2	-1.2	-1.9	-0.6
59	Gross investment	127.4	129.0	1.6	1.3	128.1	132.6	4.5	3.5	2.9	2.2
60	State and local	1,963.4	1,984.9	21.4	1.1	1,966.2	1,973.4	7.2	0.4	-14.2	-0.7
61	Consumption expenditures	1,611.0	1,625.5	14.5	0.9	1,612.5	1,610.8	-1.7	-0.1	-16.2	-1.0
62	Gross investment	352.4	359.3	6.9	2.0	353.6	362.6	9.0	2.5	2.0	0.5
Addenda:											
63	Gross domestic income ¹	17,917.6	18,437.6	519.9	2.9	17,860.2	18,375.2	515	2.9	-4.9	0.0
64	Average of GDP and GDI ²	17,896.9	18,398.5	501.6	2.8	17,836.4	18,336.0	499.6	2.8	-2.0	0.0
65	Final sales of domestic product	17,807.9	18,311.4	503.4	2.8	17,741.3	18,238.3	497	2.8	-6.4	0.0
66	Gross domestic purchases	18,663.2	19,178.8	515.6	2.8	18,587.9	19,089.0	501.1	2.7	-14.5	-0.1
67	Gross national product	18,138.7	18,663.1	524.4	2.9	18,074.1	18,609.1	535.1	3.0	10.6	0.1
68	Disposable personal income ³	13,734.8	14,205.8	471	3.4	13,656.9	14,084.1	427.2	3.1	-43.8	-0.3

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

Table A4. Revisions to Real Gross Domestic Product, Expanded Detail, Over the Period 2017Q4–2018Q4

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2017Q4	2018Q4	Change for 2017Q4–2018Q4		2017Q4	2018Q4	Change for 2017Q4–2018Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	18,359.4	18,813.9	454.5	2.5	18,296.7	18,721.3	424.6	2.3	-29.9	-0.2
2	Personal consumption expenditures	12,733.7	13,033.4	299.6	2.4	12,632.0	12,955.5	323.5	2.6	23.9	0.2
3	Goods	4,508.3	4,639.8	131.6	2.9	4,496.1	4,615.2	119.2	2.7	-12.4	-0.2
4	Durable goods	1,645.7	1,714.3	68.6	4.2	1,633.3	1,696.7	63.4	3.9	-5.2	-0.3
5	Motor vehicles and parts	534.1	537.1	3.0	0.6	534.0	531.5	-2.5	-0.5	-5.5	-1.1
6	Furnishings and durable household equipment	386.8	398.2	11.5	3.0	386.1	401.2	15.1	3.9	3.7	0.9
7	Recreational goods and vehicles	490.6	536.9	46.4	9.5	480.2	525.0	44.7	9.3	-1.6	-0.2
8	Other durable goods	239.5	252.8	13.3	5.5	237.2	249.2	12.0	5.1	-1.3	-0.4
9	Nondurable goods	2,873.2	2,938.9	65.7	2.3	2,872.9	2,931.3	58.4	2.0	-7.3	-0.3
10	Food and beverages purchased for off-premises consumption	957.2	970.4	13.3	1.4	960.0	972.6	12.6	1.3	-0.6	-0.1
11	Clothing and footwear	389.0	403.7	14.8	3.8	389.6	399.0	9.3	2.4	-5.5	-1.4
12	Gasoline and other energy goods	448.5	446.8	-1.8	-0.4	449.5	449.0	-0.5	-0.1	1.3	0.3
13	Other nondurable goods	1,067.8	1,104.0	36.2	3.4	1,063.5	1,098.1	34.6	3.3	-1.6	-0.1
14	Services	8,251.9	8,425.1	173.2	2.1	8,165.6	8,371.8	206.2	2.5	33.0	0.4
15	Household consumption expenditures (for services)	7,903.9	8,045.9	142.0	1.8	7,814.5	7,987.4	172.9	2.2	30.9	0.4
16	Housing and utilities	2,153.3	2,177.7	24.4	1.1	2,067.6	2,096.3	28.6	1.4	4.2	0.3
17	Health care	2,146.0	2,183.8	37.8	1.8	2,134.6	2,180.6	46.0	2.2	8.2	0.4
18	Transportation services	431.8	432.3	0.5	0.1	433.2	437.8	4.6	1.1	4.1	1.0
19	Recreation services	482.2	499.1	16.8	3.5	486.2	501.8	15.6	3.2	-1.2	-0.3
20	Food services and accommodations	814.8	835.7	20.9	2.6	814.2	838.3	24.2	3.0	3.3	0.4
21	Financial services and insurance	840.8	844.3	3.5	0.4	852.8	858.9	6.1	0.7	2.6	0.3
22	Other services	1,047.5	1,088.6	41.2	3.9	1,038.9	1,090.6	51.7	5.0	10.5	1.1
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	348.8	378.9	30.1	8.6	351.7	383.8	32.1	9.1	2.0	0.5
24	Gross output of nonprofit institutions	1,372.9	1,413.3	40.4	2.9	1,360.6	1,404.5	43.8	3.2	3.4	0.3
25	Less: Receipts from sales of goods and services by nonprofit institutions	1,025.4	1,034.2	8.8	0.9	1,009.9	1,019.9	10.1	1.0	1.2	0.1
26	Gross private domestic investment	3,256.7	3,448.3	191.6	5.9	3,278.4	3,449.6	171.3	5.2	-20.3	-0.7
27	Fixed investment	3,209.2	3,338.7	129.4	4.0	3,220.3	3,342.6	122.3	3.8	-7.1	-0.2
28	Nonresidential	2,576.4	2,742.6	166.2	6.5	2,590.5	2,749.0	158.5	6.1	-7.7	-0.4
29	Structures	528.4	534.9	6.5	1.2	529.3	538.9	9.6	1.8	3.1	0.6
30	Equipment	1,191.4	1,274.8	83.4	7.0	1,180.4	1,251.7	71.2	6.0	-12.2	-1.0
31	Information processing equipment	458.9	483.9	25.0	5.5	455.4	477.1	21.7	4.8	-3.3	-0.7
32	Computers and peripheral equipment	112.6	123.8	11.1	9.9	112.0	123.9	11.8	10.6	0.7	0.7
33	Other	348.8	361.8	12.9	3.7	345.9	354.4	8.5	2.5	-4.4	-1.2
34	Industrial equipment	233.9	251.7	17.9	7.6	227.9	241.0	13.1	5.7	-4.8	-1.9
35	Transportation equipment	279.8	298.0	18.3	6.5	282.6	301.3	18.6	6.6	0.4	0.1
36	Other equipment	227.9	249.2	21.3	9.3	223.4	240.5	17.2	7.7	-4.1	-1.6
37	Intellectual property products	860.9	941.5	80.6	9.4	884.6	965.8	81.2	9.2	0.5	-0.2
38	Software	386.5	432.6	46.1	11.9	406.9	452.2	45.3	11.1	-0.8	-0.8
39	Research and development	397.1	430.0	32.9	8.3	399.7	433.8	34.2	8.6	1.3	0.3
40	Entertainment, literary, and artistic originals	79.9	83.4	3.4	4.3	81.8	85.1	3.3	4.0	-0.1	-0.3
41	Residential	625.5	601.0	-24.5	-3.9	623.2	599.0	-24.2	-3.9	0.3	0.0
42	Change in private inventories	25.3	92.3	67.0	—	45.6	87.3	41.6	—	-25.3	—
43	Farm	-7.3	-12.2	-4.9	—	-6.8	-14.1	-7.3	—	-2.5	—
44	Nonfarm	30.9	100.8	70.0	—	50.5	97.8	47.2	—	-22.7	—

Table continues on next page

2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2017Q4	2018Q4	Change for 2017Q4–2018Q4		2017Q4	2018Q4	Change for 2017Q4–2018Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-847.0	-937.3	-90.3	—	-816.3	-926.5	-110.2	—	-19.9	—
46	Exports	2,536.2	2,548.8	12.5	0.5	2,540.1	2,545.6	5.4	0.2	-7.1	-0.3
47	Goods	1,766.4	1,787.9	21.5	1.2	1,765.4	1,786.6	21.3	1.2	-0.2	0.0
48	Services	771.9	765.2	-6.7	-0.9	776.6	763.9	-12.7	-1.6	-6.1	-0.7
49	Imports	3,383.2	3,486.0	102.8	3.0	3,356.5	3,472.1	115.6	3.4	12.7	0.4
50	Goods	2,862.0	2,957.9	95.9	3.4	2,837.7	2,938.4	100.7	3.5	4.8	0.1
51	Services	525.1	533.8	8.7	1.7	523.6	539.1	15.6	3.0	6.9	1.3
52	Government consumption expenditures and gross investment	3,192.8	3,240.2	47.4	1.5	3,183.0	3,213.4	30.4	1.0	-17.0	-0.5
53	Federal	1,206.0	1,241.6	35.6	3.0	1,207.7	1,244.2	36.5	3.0	0.9	0.0
54	National defense	724.7	755.1	30.4	4.2	725.5	755.8	30.3	4.2	-0.1	0.0
55	Consumption expenditures	578.0	595.1	17.2	3.0	579.3	600.0	20.7	3.6	3.5	0.6
56	Gross investment	146.9	160.4	13.6	9.2	146.3	156.0	9.8	6.7	-3.8	-2.5
57	Nondefense	480.8	486.4	5.5	1.1	481.8	488.3	6.6	1.4	1.0	0.3
58	Consumption expenditures	352.0	355.7	3.7	1.1	349.6	351.5	2.0	0.6	-1.8	-0.5
59	Gross investment	129.0	130.9	1.8	1.4	132.6	137.4	4.8	3.6	3.0	2.2
60	State and local	1,984.9	1,997.1	12.3	0.6	1,973.4	1,968.1	-5.3	-0.3	-17.5	-0.9
61	Consumption expenditures	1,625.5	1,643.1	17.6	1.1	1,610.8	1,620.3	9.5	0.6	-8.1	-0.5
62	Gross investment	359.3	354.0	-5.3	-1.5	362.6	347.7	-14.8	-4.1	-9.5	-2.6
Addenda:											
63	Gross domestic income ¹	18,437.6	18,876.3	438.7	2.4	18,375.2	18,900.8	525.6	2.9	86.9	0.5
64	Average of GDP and GDI ²	18,398.5	18,845.1	446.6	2.4	18,336.0	18,811.0	475.1	2.6	28.5	0.2
65	Final sales of domestic product	18,311.4	18,705.9	394.5	2.2	18,238.3	18,615.8	377.4	2.1	-17.1	-0.1
66	Gross domestic purchases	19,178.8	19,715.2	536.4	2.8	19,089.0	19,611.8	522.7	2.7	-13.6	-0.1
67	Gross national product	18,663.1	19,065.5	402.4	2.2	18,609.1	18,981.4	372.3	2.0	-30.1	-0.2
68	Disposable personal income ³	14,205.8	14,732.3	526.5	3.7	14,084.1	14,599.1	515.0	3.7	-11.5	0.0

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

Table A5. Revisions to Real Gross Domestic Product, Expanded Detail, Over the Period 2018Q4–2019Q4

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2018Q4	2019Q4	Change for 2018Q4–2019Q4		2018Q4	2019Q4	Change for 2018Q4–2019Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	18,813.9	19,254.0	440.0	2.3	18,721.3	19,202.3	481.0	2.6	41.0	0.3
2	Personal consumption expenditures	13,033.4	13,353.7	320.3	2.5	12,955.5	13,249.0	293.5	2.3	-26.8	-0.2
3	Goods	4,639.8	4,811.8	172.0	3.7	4,615.2	4,786.9	171.6	3.7	-0.3	0.0
4	Durable goods	1,714.3	1,811.7	97.4	5.7	1,696.7	1,794.7	98.0	5.8	0.6	0.1
5	Motor vehicles and parts	537.1	539.2	2.1	0.4	531.5	537.5	6.0	1.1	3.9	0.7
6	Furnishings and durable household equipment	398.2	417.3	19.1	4.8	401.2	421.8	20.6	5.1	1.5	0.3
7	Recreational goods and vehicles	536.9	613.0	76.0	14.2	525.0	596.2	71.2	13.6	-4.8	-0.6
8	Other durable goods	252.8	263.7	10.9	4.3	249.2	258.9	9.6	3.9	-1.3	-0.4
9	Nondurable goods	2,938.9	3,018.2	79.3	2.7	2,931.3	3,010.1	78.7	2.7	-0.6	0.0
10	Food and beverages purchased for off-premises consumption	970.4	987.1	16.6	1.7	972.6	994.7	22.1	2.3	5.5	0.6
11	Clothing and footwear	403.7	418.0	14.3	3.5	399.0	415.1	16.1	4.0	1.9	0.5
12	Gasoline and other energy goods	446.8	441.6	-5.2	-1.2	449.0	443.0	-6.0	-1.3	-0.9	-0.1
13	Other nondurable goods	1,104.0	1,152.5	48.5	4.4	1,098.1	1,137.9	39.8	3.6	-8.7	-0.8
14	Services	8,425.1	8,584.9	159.8	1.9	8,371.8	8,505.9	134.1	1.6	-25.7	-0.3
15	Household consumption expenditures (for services)	8,045.9	8,237.0	191.1	2.4	7,987.4	8,157.0	169.6	2.1	-21.5	-0.3
16	Housing and utilities	2,177.7	2,199.1	21.3	1.0	2,096.3	2,111.8	15.6	0.7	-5.8	-0.3
17	Health care	2,183.8	2,260.2	76.4	3.5	2,180.6	2,263.3	82.7	3.8	6.3	0.3
18	Transportation services	432.3	447.8	15.6	3.6	437.8	461.9	24.1	5.5	8.5	1.9
19	Recreation services	499.1	506.7	7.6	1.5	501.8	510.2	8.4	1.7	0.8	0.2
20	Food services and accommodations	835.7	847.0	11.3	1.3	838.3	854.6	16.3	1.9	5.0	0.6
21	Financial services and insurance	844.3	865.8	21.4	2.5	858.9	850.9	-8.0	-0.9	-29.4	-3.4
22	Other services	1,088.6	1,130.5	41.8	3.8	1,090.6	1,132.6	42.0	3.8	0.1	0.0
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	378.9	349.5	-29.4	-7.8	383.8	350.5	-33.3	-8.7	-3.9	-0.9
24	Gross output of nonprofit institutions	1,413.3	1,422.1	8.8	0.6	1,404.5	1,406.0	1.5	0.1	-7.3	-0.5
25	Less: Receipts from sales of goods and services by nonprofit institutions	1,034.2	1,074.9	40.7	3.9	1,019.9	1,057.7	37.8	3.7	-2.9	-0.2
26	Gross private domestic investment	3,448.3	3,413.3	-35.0	-1.0	3,449.6	3,477.1	27.5	0.8	62.5	1.8
27	Fixed investment	3,338.7	3,387.2	48.5	1.5	3,342.6	3,439.9	97.3	2.9	48.8	1.4
28	Nonresidential	2,742.6	2,781.5	38.9	1.4	2,749.0	2,834.7	85.6	3.1	46.8	1.7
29	Structures	534.9	545.1	10.2	1.9	538.9	570.0	31.1	5.8	20.9	3.9
30	Equipment	1,274.8	1,258.0	-16.8	-1.3	1,251.7	1,240.6	-11.1	-0.9	5.7	0.4
31	Information processing equipment	483.9	492.9	9.0	1.9	477.1	490.8	13.7	2.9	4.8	1.0
32	Computers and peripheral equipment	123.8	134.4	10.6	8.6	123.9	130.3	6.4	5.2	-4.2	-3.4
33	Other	361.8	358.3	-3.5	-1.0	354.4	361.1	6.7	1.9	10.2	2.9
34	Industrial equipment	251.7	245.3	-6.4	-2.6	241.0	235.8	-5.2	-2.1	1.3	0.5
35	Transportation equipment	298.0	283.0	-15.1	-5.1	301.3	282.7	-18.6	-6.2	-3.5	-1.1
36	Other equipment	249.2	248.5	-0.8	-0.3	240.5	243.1	2.6	1.1	3.4	1.4
37	Intellectual property products	941.5	985.2	43.7	4.6	965.8	1,027.1	61.3	6.3	17.6	1.7
38	Software	432.6	461.8	29.2	6.8	452.2	483.8	31.5	7.0	2.3	0.2
39	Research and development	430.0	445.3	15.4	3.6	433.8	463.4	29.6	6.8	14.2	3.2
40	Entertainment, literary, and artistic originals	83.4	84.3	0.9	1.1	85.1	86.0	0.9	1.1	0.0	0.0
41	Residential	601.0	610.5	9.5	1.6	599.0	612.2	13.2	2.2	3.6	0.6
42	Change in private inventories	92.3	-1.1	-93.3	—	87.3	16.3	-70.9	—	22.4	—
43	Farm	-12.2	-15.6	-3.5	—	-14.1	-14.3	-0.2	—	3.3	—
44	Nonfarm	100.8	11.5	-89.3	—	97.8	27.8	-70.0	—	19.4	—

Table continues on next page

2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2018Q4	2019Q4	Change for 2018Q4–2019Q4		2018Q4	2019Q4	Change for 2018Q4–2019Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-937.3	-861.5	75.8	—	-926.5	-847.6	78.9	—	3.1	—
46	Exports	2,548.8	2,557.8	9.1	0.4	2,545.6	2,553.3	7.7	0.3	-1.3	-0.1
47	Goods	1,787.9	1,786.8	-1.1	-0.1	1,786.6	1,782.5	-4.2	-0.2	-3.1	-0.1
48	Services	765.2	774.0	8.8	1.1	763.9	773.7	9.8	1.3	1.0	0.2
49	Imports	3,486.0	3,419.3	-66.7	-1.9	3,472.1	3,400.9	-71.2	-2.0	-4.5	-0.1
50	Goods	2,957.9	2,872.2	-85.7	-2.9	2,938.4	2,853.9	-84.4	-2.9	1.2	0.0
51	Services	533.8	546.5	12.7	2.4	539.1	547.0	7.8	1.5	-4.9	-0.9
52	Government consumption expenditures and gross investment	3,240.2	3,337.5	97.3	3.0	3,213.4	3,316.3	102.9	3.2	5.6	0.2
53	Federal	1,241.6	1,301.1	59.5	4.8	1,244.2	1,298.0	53.8	4.3	-5.7	-0.5
54	National defense	755.1	797.1	41.9	5.6	755.8	793.4	37.6	5.0	-4.3	-0.6
55	Consumption expenditures	595.1	623.0	27.8	4.7	600.0	626.7	26.7	4.4	-1.1	-0.3
56	Gross investment	160.4	174.8	14.4	9.0	156.0	167.1	11.1	7.1	-3.3	-1.9
57	Nondefense	486.4	504.1	17.8	3.7	488.3	504.7	16.4	3.4	-1.4	-0.3
58	Consumption expenditures	355.7	366.8	11.1	3.1	351.5	364.5	13.0	3.7	2.0	0.6
59	Gross investment	130.9	137.7	6.8	5.2	137.4	140.6	3.3	2.4	-3.6	-2.8
60	State and local	1,997.1	2,035.6	38.5	1.9	1,968.1	2,017.6	49.5	2.5	11.0	0.6
61	Consumption expenditures	1,643.1	1,659.2	16.1	1.0	1,620.3	1,651.2	30.9	1.9	14.8	0.9
62	Gross investment	354.0	376.4	22.4	6.3	347.7	366.5	18.7	5.4	-3.7	-0.9
Addenda:											
63	Gross domestic income ¹	18,876.3	19,230.7	354.5	1.9	18,900.8	19,233.6	332.8	1.8	-21.7	-0.1
64	Average of GDP and GDI ²	18,845.1	19,242.4	397.3	2.1	18,811.0	19,218.0	406.9	2.2	9.7	0.1
65	Final sales of domestic product	18,705.9	19,226.6	520.7	2.8	18,615.8	19,164.4	548.6	2.9	28.0	0.1
66	Gross domestic purchases	19,715.2	20,099.6	384.5	1.9	19,611.8	20,036.9	425.2	2.2	40.7	0.3
67	Gross national product	19,065.5	19,509.6	444.1	2.3	18,981.4	19,436.2	454.8	2.4	10.7	0.1
68	Disposable personal income ³	14,732.3	14,964.5	232.2	1.6	14,599.1	14,850.5	251.3	1.7	19.1	0.1

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

Table A6. Revisions to Real Gross Domestic Product, Expanded Detail, Over the Period 2019Q4–2020Q4

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2019Q4	2020Q4	Change for 2019Q4–2020Q4		2019Q4	2020Q4	Change for 2019Q4–2020Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	19,254.0	18,794.4	-459.5	-2.4	19,202.3	18,767.8	-434.5	-2.3	25.0	0.1
2	Personal consumption expenditures	13,353.7	12,999.1	-354.6	-2.7	13,249.0	12,927.9	-321.1	-2.4	33.5	0.3
3	Goods	4,811.8	5,134.3	322.5	6.7	4,786.9	5,155.0	368.1	7.7	45.6	1.0
4	Durable goods	1,811.7	2,022.6	211.0	11.6	1,794.7	2,036.4	241.8	13.5	30.8	1.9
5	Motor vehicles and parts	539.2	573.3	34.0	6.3	537.5	589.7	52.2	9.7	18.2	3.4
6	Furnishings and durable household equipment	417.3	454.5	37.2	8.9	421.8	467.4	45.6	10.8	8.5	1.9
7	Recreational goods and vehicles	613.0	745.7	132.7	21.6	596.2	727.7	131.5	22.1	-1.2	0.5
8	Other durable goods	263.7	288.3	24.6	9.3	258.9	285.7	26.9	10.4	2.3	1.1
9	Nondurable goods	3,018.2	3,142.1	123.9	4.1	3,010.1	3,151.1	141.0	4.7	17.1	0.6
10	Food and beverages purchased for off-premises consumption	987.1	1,048.4	61.3	6.2	994.7	1,057.9	63.1	6.3	1.9	0.1
11	Clothing and footwear	418.0	414.1	-3.9	-0.9	415.1	431.8	16.7	4.0	20.5	4.9
12	Gasoline and other energy goods	441.6	392.0	-49.6	-11.2	443.0	388.3	-54.7	-12.3	-5.1	-1.1
13	Other nondurable goods	1,152.5	1,248.5	95.9	8.3	1,137.9	1,229.0	91.1	8.0	-4.8	-0.3
14	Services	8,584.9	8,002.5	-582.4	-6.8	8,505.9	7,917.0	-588.9	-6.9	-6.5	-0.1
15	Household consumption expenditures (for services)	8,237.0	7,621.0	-616.0	-7.5	8,157.0	7,531.9	-625.1	-7.7	-9.1	-0.2
16	Housing and utilities	2,199.1	2,227.8	28.7	1.3	2,111.8	2,132.5	20.6	1.0	-8.1	-0.3
17	Health care	2,260.2	2,166.4	-93.8	-4.2	2,263.3	2,164.4	-98.9	-4.4	-5.1	-0.2
18	Transportation services	447.8	336.9	-110.9	-24.8	461.9	325.8	-136.2	-29.5	-25.2	-4.7
19	Recreation services	506.7	338.2	-168.4	-33.2	510.2	349.0	-161.1	-31.6	7.3	1.6
20	Food services and accommodations	847.0	667.6	-179.3	-21.2	854.6	676.1	-178.5	-20.9	0.8	0.3
21	Financial services and insurance	865.8	883.9	18.1	2.1	850.9	864.7	13.8	1.6	-4.3	-0.5
22	Other services	1,130.5	988.0	-142.5	-12.6	1,132.6	1,015.5	-117.1	-10.3	25.5	2.3
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	349.5	379.4	29.9	8.6	350.5	383.2	32.7	9.3	2.8	0.7
24	Gross output of nonprofit institutions	1,422.1	1,393.3	-28.8	-2.0	1,406.0	1,388.1	-17.9	-1.3	10.9	0.7
25	Less: Receipts from sales of goods and services by nonprofit institutions	1,074.9	1,011.8	-63.2	-5.9	1,057.7	1,003.6	-54.2	-5.1	9.0	0.8
26	Gross private domestic investment	3,413.3	3,539.9	126.6	3.7	3,477.1	3,561.9	84.8	2.4	-41.8	-1.3
27	Fixed investment	3,387.2	3,458.9	71.7	2.1	3,439.9	3,456.6	16.7	0.5	-54.9	-1.6
28	Nonresidential	2,781.5	2,742.0	-39.5	-1.4	2,834.7	2,726.2	-108.5	-3.8	-69.0	-2.4
29	Structures	545.1	457.3	-87.8	-16.1	570.0	456.1	-113.9	-20.0	-26.1	-3.9
30	Equipment	1,258.0	1,301.8	43.8	3.5	1,240.6	1,237.1	-3.5	-0.3	-47.3	-3.8
31	Information processing equipment	492.9	577.0	84.1	17.1	490.8	566.5	75.6	15.4	-8.5	-1.7
32	Computers and peripheral equipment	134.4	165.6	31.2	23.2	130.3	152.9	22.6	17.4	-8.6	-5.8
33	Other	358.3	409.4	51.1	14.3	361.1	413.7	52.5	14.6	1.4	0.3
34	Industrial equipment	245.3	249.4	4.1	1.7	235.8	238.8	3.0	1.3	-1.1	-0.4
35	Transportation equipment	283.0	252.9	-30.1	-10.6	282.7	208.7	-73.9	-26.2	-43.9	-15.6
36	Other equipment	248.5	253.4	4.9	2.0	243.1	256.1	12.9	5.3	8.0	3.3
37	Intellectual property products	985.2	1,005.8	20.7	2.1	1,027.1	1,053.0	26.0	2.5	5.3	0.4
38	Software	461.8	487.8	26.0	5.6	483.8	516.1	32.3	6.7	6.3	1.1
39	Research and development	445.3	451.3	5.9	1.3	463.4	469.0	5.6	1.2	-0.3	-0.1
40	Entertainment, literary, and artistic originals	84.3	76.1	-8.2	-9.7	86.0	78.0	-8.0	-9.3	0.2	0.4
41	Residential	610.5	697.9	87.3	14.3	612.2	708.2	96.1	15.7	8.7	1.4
42	Change in private inventories	-1.1	62.1	63.1	—	16.3	88.8	72.5	—	9.4	—
43	Farm	-15.6	4.0	19.6	—	-14.3	-3.9	10.4	—	-9.2	—
44	Nonfarm	11.5	57.9	46.4	—	27.8	90.2	62.4	—	16.1	—

Table continues on next page

2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2019Q4	2020Q4	Change for 2019Q4–2020Q4		2019Q4	2020Q4	Change for 2019Q4–2020Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-861.5	-1,122.0	-260.5	—	-847.6	-1,132.8	-285.2	—	-24.8	—
46	Exports	2,557.8	2,278.5	-279.3	-10.9	2,553.3	2,279.0	-274.3	-10.7	5.0	0.2
47	Goods	1,786.8	1,723.3	-63.5	-3.6	1,782.5	1,703.1	-79.4	-4.5	-15.8	-0.9
48	Services	774.0	588.7	-185.2	-23.9	773.7	603.4	-170.3	-22.0	15.0	1.9
49	Imports	3,419.3	3,400.5	-18.8	-0.6	3,400.9	3,411.8	11.0	0.3	29.8	0.9
50	Goods	2,872.2	3,024.6	152.3	5.3	2,853.9	3,015.4	161.5	5.7	9.1	0.4
51	Services	546.5	414.9	-131.6	-24.1	547.0	430.7	-116.3	-21.3	15.3	2.8
52	Government consumption expenditures and gross investment	3,337.5	3,320.4	-17.1	-0.5	3,316.3	3,356.0	39.8	1.2	56.9	1.7
53	Federal	1,301.1	1,332.2	31.0	2.4	1,298.0	1,338.8	40.8	3.1	9.8	0.7
54	National defense	797.1	819.8	22.8	2.9	793.4	812.0	18.6	2.3	-4.2	-0.6
55	Consumption expenditures	623.0	640.2	17.2	2.8	626.7	637.9	11.2	1.8	-6.0	-1.0
56	Gross investment	174.8	180.4	5.6	3.2	167.1	174.7	7.5	4.5	2.0	1.3
57	Nondefense	504.1	512.6	8.5	1.7	504.7	526.7	22.0	4.4	13.5	2.7
58	Consumption expenditures	366.8	370.3	3.5	0.9	364.5	382.3	17.7	4.9	14.3	4.0
59	Gross investment	137.7	142.9	5.2	3.8	140.6	144.8	4.2	3.0	-1.0	-0.8
60	State and local	2,035.6	1,989.2	-46.4	-2.3	2,017.6	2,017.6	0.0	0.0	46.4	2.3
61	Consumption expenditures	1,659.2	1,601.1	-58.1	-3.5	1,651.2	1,636.7	-14.5	-0.9	43.6	2.6
62	Gross investment	376.4	388.0	11.6	3.1	366.5	380.9	14.4	3.9	2.8	0.8
Addenda:											
63	Gross domestic income ¹	19,230.7	19,101.9	-128.9	-0.7	19,233.6	19,200.3	-33.3	-0.2	95.6	0.5
64	Average of GDP and GDI ²	19,242.4	18,948.1	-294.2	-1.5	19,218.0	18,984.0	-233.9	-1.2	60.3	0.3
65	Final sales of domestic product	19,226.6	18,714.6	-512.0	-2.7	19,164.4	18,664.8	-499.7	-2.6	12.4	0.1
66	Gross domestic purchases	20,099.6	19,854.7	-244.9	-1.2	20,036.9	19,841.7	-195.2	-1.0	49.7	0.2
67	Gross national product	19,509.6	18,984.5	-525.1	-2.7	19,436.2	18,987.9	-448.2	-2.3	76.8	0.4
68	Disposable personal income ³	14,964.5	15,541.1	576.6	3.9	14,850.5	15,443.0	592.5	4.0	16.0	0.1

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

Table A7. Revisions to Real Gross Domestic Product, Expanded Detail, Over the Period 2015Q4–2020Q4

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2015Q4	2020Q4	Change for 2015Q4–2020Q4		2015Q4	2020Q4	Change for 2015Q4–2020Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	17,514.1	18,794.4	1,280.4	1.4	17,462.6	18,767.8	1,305.2	1.5	24.8	0.1
2	Personal consumption expenditures	12,055.4	12,999.1	943.7	1.5	12,003.1	12,927.9	924.8	1.5	-19.0	0.0
3	Goods	4,136.5	5,134.3	997.9	4.4	4,136.5	5,155.0	1,018.6	4.5	20.7	0.1
4	Durable goods	1,423.3	2,022.6	599.4	7.3	1,423.3	2,036.4	613.1	7.4	13.8	0.1
5	Motor vehicles and parts	471.7	573.3	101.5	4.0	471.7	589.7	118.0	4.6	16.5	0.6
6	Furnishings and durable household equipment	329.1	454.5	125.4	6.7	329.1	467.4	138.3	7.3	12.9	0.6
7	Recreational goods and vehicles	397.3	745.7	348.4	13.4	397.3	727.7	330.4	12.9	-18.0	-0.5
8	Other durable goods	226.5	288.3	61.8	4.9	226.5	285.7	59.2	4.8	-2.6	-0.1
9	Nondurable goods	2,716.9	3,142.1	425.2	3.0	2,716.9	3,151.1	434.1	3.0	8.9	0.0
10	Food and beverages purchased for off-premises consumption	887.7	1,048.4	160.7	3.4	887.7	1,057.9	170.2	3.6	9.5	0.2
11	Clothing and footwear	370.6	414.1	43.5	2.2	370.6	431.8	61.2	3.1	17.6	0.9
12	Gasoline and other energy goods	449.8	392.0	-57.8	-2.7	449.8	388.3	-61.5	-2.9	-3.7	-0.2
13	Other nondurable goods	1,008.4	1,248.5	240.0	4.4	1,008.4	1,229.0	220.6	4.0	-19.4	-0.4
14	Services	7,924.9	8,002.5	77.5	0.2	7,875.1	7,917.0	41.8	0.1	-35.7	-0.1
15	Household consumption expenditures (for services)	7,575.5	7,621.0	45.5	0.1	7,525.6	7,531.9	6.3	0.0	-39.2	-0.1
16	Housing and utilities	2,097.5	2,227.8	130.2	1.2	2,035.4	2,132.5	97.1	0.9	-33.1	-0.3
17	Health care	2,016.8	2,166.4	149.6	1.4	2,016.8	2,164.4	147.6	1.4	-2.0	0.0
18	Transportation services	394.2	336.9	-57.3	-3.1	394.2	325.8	-68.5	-3.7	-11.2	-0.6
19	Recreation services	478.3	338.2	-140.0	-6.7	478.3	349.0	-129.2	-6.1	10.8	0.6
20	Food services and accommodations	783.2	667.6	-115.6	-3.1	783.2	676.1	-107.1	-2.9	8.5	0.2
21	Financial services and insurance	837.5	883.9	46.3	1.1	850.0	864.7	14.7	0.3	-31.6	-0.8
22	Other services	972.4	988.0	15.5	0.3	973.0	1,015.5	42.5	0.9	27.0	0.6
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	349.6	379.4	29.8	1.7	349.6	383.2	33.6	1.9	3.7	0.2
24	Gross output of nonprofit institutions	1,312.4	1,393.3	80.9	1.2	1,312.4	1,388.1	75.7	1.1	-5.2	-0.1
25	Less: Receipts from sales of goods and services by nonprofit institutions	963.0	1,011.8	48.8	1.0	963.0	1,003.6	40.6	0.8	-8.2	-0.2
26	Gross private domestic investment	3,092.7	3,539.9	447.2	2.7	3,092.7	3,561.9	469.2	2.9	22.0	0.2
27	Fixed investment	2,991.8	3,458.9	467.1	2.9	2,991.8	3,456.6	464.9	2.9	-2.2	0.0
28	Nonresidential	2,412.8	2,742.0	329.1	2.6	2,412.8	2,726.2	313.3	2.5	-15.8	-0.1
29	Structures	510.6	457.3	-53.2	-2.2	510.6	456.1	-54.4	-2.2	-1.2	0.0
30	Equipment	1,133.6	1,301.8	168.2	2.8	1,133.6	1,237.1	103.5	1.8	-64.7	-1.0
31	Information processing equipment	403.8	577.0	173.3	7.4	403.8	566.5	162.7	7.0	-10.6	-0.4
32	Computers and peripheral equipment	101.3	165.6	64.4	10.3	101.3	152.9	51.6	8.6	-12.7	-1.7
33	Other	304.3	409.4	105.2	6.1	304.3	413.7	109.4	6.3	4.2	0.2
34	Industrial equipment	217.4	249.4	32.0	2.8	217.4	238.8	21.4	1.9	-10.5	-0.9
35	Transportation equipment	289.4	252.9	-36.5	-2.7	289.4	208.7	-80.6	-6.3	-44.2	-3.6
36	Other equipment	225.2	253.4	28.2	2.4	225.2	256.1	30.8	2.6	2.7	0.2
37	Intellectual property products	771.3	1,005.8	234.5	5.5	771.3	1,053.0	281.7	6.4	47.2	0.9
38	Software	327.1	487.8	160.7	8.3	327.1	516.1	188.9	9.5	28.2	1.2
39	Research and development	368.1	451.3	83.2	4.2	368.1	469.0	100.9	5.0	17.8	0.8
40	Entertainment, literary, and artistic originals	76.3	76.1	-0.2	0.0	76.3	78.0	1.7	0.4	1.9	0.4
41	Residential	573.6	697.9	124.2	4.0	573.6	708.2	134.6	4.3	10.4	0.3
42	Change in private inventories	91.4	62.1	-29.3	—	91.4	88.8	-2.6	—	26.7	—
43	Farm	-1.2	4.0	5.2	—	-1.2	-3.9	-2.7	—	-7.9	—
44	Nonfarm	91.8	57.9	-34.0	—	91.8	90.2	-1.6	—	32.3	—

Table continues on next page

2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2015Q4	2020Q4	Change for 2015Q4–2020Q4		2015Q4	2020Q4	Change for 2015Q4–2020Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-754.5	-1,122.0	-367.5	—	-756.7	-1,132.8	-376.1	—	-8.7	—
46	Exports	2,363.5	2,278.5	-85.0	-0.7	2,367.7	2,279.0	-88.6	-0.8	-3.6	-0.1
47	Goods	1,624.1	1,723.3	99.1	1.2	1,626.3	1,703.1	76.8	0.9	-22.3	-0.3
48	Services	737.7	588.7	-149.0	-4.4	740.1	603.4	-136.7	-4.0	12.3	0.4
49	Imports	3,118.0	3,400.5	282.4	1.7	3,124.4	3,411.8	287.5	1.8	5.0	0.1
50	Goods	2,620.2	3,024.6	404.4	2.9	2,620.7	3,015.4	394.7	2.8	-9.7	-0.1
51	Services	498.2	414.9	-83.3	-3.6	504.4	430.7	-73.8	-3.1	9.6	0.5
52	Government consumption expenditures and gross investment	3,110.0	3,320.4	210.3	1.3	3,110.3	3,356.0	245.8	1.5	35.5	0.2
53	Federal	1,190.5	1,332.2	141.7	2.3	1,191.1	1,338.8	147.8	2.4	6.1	0.1
54	National defense	714.0	819.8	105.9	2.8	714.0	812.0	98.0	2.6	-7.9	-0.2
55	Consumption expenditures	572.1	640.2	68.0	2.3	572.1	637.9	65.8	2.2	-2.3	-0.1
56	Gross investment	141.8	180.4	38.6	4.9	141.8	174.7	32.9	4.3	-5.7	-0.6
57	Nondefense	476.0	512.6	36.6	1.5	476.6	526.7	50.1	2.0	13.4	0.5
58	Consumption expenditures	353.4	370.3	16.8	0.9	354.0	382.3	28.3	1.5	11.4	0.6
59	Gross investment	122.6	142.9	20.3	3.1	122.6	144.8	22.2	3.4	1.9	0.3
60	State and local	1,918.0	1,989.2	71.2	0.7	1,917.5	2,017.6	100.1	1.0	28.9	0.3
61	Consumption expenditures	1,579.3	1,601.1	21.8	0.3	1,578.9	1,636.7	57.8	0.7	36.0	0.4
62	Gross investment	338.7	388.0	49.3	2.8	338.7	380.9	42.2	2.4	-7.1	-0.4
Addenda:											
63	Gross domestic income ¹	17,704.5	19,101.9	1,397.4	1.5	17,656.2	19,200.3	1,544.1	1.7	146.8	0.2
64	Average of GDP and GDI ²	17,609.3	18,948.1	1,338.9	1.5	17,559.4	18,984.0	1,424.7	1.6	85.8	0.1
65	Final sales of domestic product	17,413.3	18,714.6	1,301.3	1.5	17,361.0	18,664.8	1,303.8	1.5	2.5	0.0
66	Gross domestic purchases	18,254.9	19,854.7	1,599.8	1.7	18,204.0	19,841.7	1,637.7	1.7	37.8	0.0
67	Gross national product	17,741.3	18,984.5	1,243.2	1.4	17,686.6	18,987.9	1,301.3	1.4	58.1	0.0
68	Disposable personal income ³	13,490.5	15,541.1	2,050.6	2.9	13,439.8	15,443.0	2,003.2	2.8	-47.4	-0.1

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

Table A8. Revisions to Real Gross Domestic Product, Expanded Detail, Over the Period 2009Q2–2019Q4

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2009Q2	2019Q4	Change for 2009Q2–2019Q4		2009Q2	2019Q4	Change for 2009Q2–2019Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	15,134.1	19,254.0	4,119.8	2.3	15,161.8	19,202.3	4,040.5	2.3	-79.3	0.0
2	Personal consumption expenditures	10,417.3	13,353.7	2,936.4	2.4	10,470.4	13,249.0	2,778.6	2.3	-157.7	-0.1
3	Goods	3,359.6	4,811.8	1,452.2	3.5	3,359.6	4,786.9	1,427.2	3.4	-24.9	-0.1
4	Durable goods	954.0	1,811.7	857.7	6.3	954.0	1,794.7	840.7	6.2	-17.0	-0.1
5	Motor vehicles and parts	337.0	539.2	202.3	4.6	337.0	537.5	200.5	4.5	-1.7	-0.1
6	Furnishings and durable household equipment	222.2	417.3	195.1	6.2	222.2	421.8	199.6	6.3	4.5	0.1
7	Recreational goods and vehicles	238.2	613.0	374.8	9.4	238.2	596.2	358.0	9.1	-16.8	-0.3
8	Other durable goods	159.0	263.7	104.7	4.9	159.0	258.9	99.8	4.8	-4.9	-0.1
9	Nondurable goods	2,413.7	3,018.2	604.5	2.2	2,413.7	3,010.1	596.3	2.1	-8.2	-0.1
10	Food and beverages purchased for off-premises consumption	822.9	987.1	164.2	1.7	822.9	994.7	171.8	1.8	7.6	0.1
11	Clothing and footwear	314.8	418.0	103.2	2.7	314.8	415.1	100.3	2.7	-2.9	0.0
12	Gasoline and other energy goods	440.0	441.6	1.6	0	440.0	443.0	3.0	0.1	1.4	0.1
13	Other nondurable goods	840.4	1,152.5	312.2	3.1	840.4	1,137.9	297.6	2.9	-14.6	-0.2
14	Services	7,057.5	8,584.9	1,527.3	1.9	7,110.6	8,505.9	1,395.3	1.7	-132.0	-0.2
15	Household consumption expenditures (for services)	6,775.2	8,237.0	1,461.8	1.9	6,828.3	8,157.0	1,328.7	1.7	-133.1	-0.2
16	Housing and utilities	1,938.4	2,199.1	260.6	1.2	1,958.5	2,111.8	153.4	0.7	-107.3	-0.5
17	Health care	1,736.6	2,260.2	523.5	2.5	1,736.6	2,263.3	526.7	2.6	3.1	0.1
18	Transportation services	318.1	447.8	129.7	3.3	318.1	461.9	143.8	3.6	14.1	0.3
19	Recreation services	407.5	506.7	99.2	2.1	407.5	510.2	102.7	2.2	3.5	0.1
20	Food services and accommodations	654.4	847.0	192.6	2.5	654.4	854.6	200.3	2.6	7.7	0.1
21	Financial services and insurance	816.5	865.8	49.3	0.6	828.8	850.9	22.1	0.3	-27.2	-0.3
22	Other services	904.4	1,130.5	226.1	2.1	925.6	1,132.6	206.9	1.9	-19.1	-0.2
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	283.3	349.5	66.2	2.0	283.3	350.5	67.2	2.0	1.0	0.0
24	Gross output of nonprofit institutions	1,146.6	1,422.1	275.5	2.1	1,146.6	1,406.0	259.4	2.0	-16.2	-0.1
25	Less: Receipts from sales of goods and services by nonprofit institutions	864.2	1,074.9	210.7	2.1	864.2	1,057.7	193.5	1.9	-17.2	-0.2
26	Gross private domestic investment	1,872.3	3,413.3	1,541.0	5.9	1,872.3	3,477.1	1,604.8	6.1	63.8	0.2
27	Fixed investment	2,073.9	3,387.2	1,313.3	4.8	2,073.9	3,439.9	1,366.0	4.9	52.7	0.1
28	Nonresidential	1,693.2	2,781.5	1,088.3	4.8	1,693.2	2,834.7	1,141.5	5.0	53.2	0.2
29	Structures	509.0	545.1	36.2	0.7	509.0	570.0	61.1	1.1	24.9	0.4
30	Equipment	627.8	1,258.0	630.2	6.8	627.8	1,240.6	612.8	6.7	-17.4	-0.1
31	Information processing equipment	238.2	492.9	254.7	7.2	238.2	490.8	252.6	7.1	-2.1	-0.1
32	Computers and peripheral equipment	78.5	134.4	55.9	5.3	78.5	130.3	51.8	4.9	-4.1	-0.4
33	Other	159.8	358.3	198.5	8.0	159.8	361.1	201.3	8.1	2.8	0.1
34	Industrial equipment	163.4	245.3	81.9	3.9	163.4	235.8	72.4	3.6	-9.5	-0.3
35	Transportation equipment	63.3	283.0	219.7	15.3	63.3	282.7	219.4	15.3	-0.3	0.0
36	Other equipment	161.9	248.5	86.6	4.2	161.9	243.1	81.3	4.0	-5.3	-0.2
37	Intellectual property products	568.6	985.2	416.5	5.4	568.6	1,027.1	458.4	5.8	41.9	0.4
38	Software	209.5	461.8	252.3	7.8	209.5	483.8	274.2	8.3	21.9	0.5
39	Research and development	297.1	445.3	148.2	3.9	297.1	463.4	166.3	4.3	18.1	0.4
40	Entertainment, literary, and artistic originals	63.5	84.3	20.8	2.7	63.5	86.0	22.5	2.9	1.7	0.2
41	Residential	380.4	610.5	230.1	4.6	380.4	612.2	231.8	4.6	1.6	0.0
42	Change in private inventories	-228.3	-1.1	227.3	—	-228.3	16.3	244.6	—	17.4	—
43	Farm	-9.5	-15.6	-6.1	—	-9.5	-14.3	-4.8	—	1.4	—
44	Nonfarm	-215.3	11.5	226.8	—	-215.3	27.8	243.1	—	16.3	—

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2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2009Q2	2019Q4	Change for 2009Q2–2019Q4		2009Q2	2019Q4	Change for 2009Q2–2019Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-445.2	-861.5	-416.2	—	-473.7	-847.6	-373.9	—	42.3	—
46	Exports	1,707.9	2,557.8	850.0	3.9	1,708.8	2,553.3	844.5	3.9	-5.5	0.0
47	Goods	1,140.2	1,786.8	646.6	4.4	1,139.1	1,782.5	643.4	4.4	-3.3	0.0
48	Services	566.9	774.0	207.1	3.0	568.8	773.7	204.9	3.0	-2.2	0.0
49	Imports	2,153.1	3,419.3	1,266.2	4.5	2,182.5	3,400.9	1,218.4	4.3	-47.8	-0.2
50	Goods	1,738.0	2,872.2	1,134.3	4.9	1,742.4	2,853.9	1,111.6	4.8	-22.7	-0.1
51	Services	411.4	546.5	135.1	2.7	436.6	547.0	110.3	2.2	-24.8	-0.5
52	Government consumption expenditures and gross investment	3,313.2	3,337.5	24.3	0.1	3,316.6	3,316.3	-0.4	0.0	-24.6	-0.1
53	Federal	1,289.7	1,301.1	11.5	0.1	1,292.8	1,298.0	5.3	0.0	-6.2	-0.1
54	National defense	836.4	797.1	-39.3	-0.5	836.4	793.4	-43	-0.5	-3.7	0.0
55	Consumption expenditures	654.5	623.0	-31.6	-0.5	654.5	626.7	-27.8	-0.4	3.7	0.1
56	Gross investment	181.7	174.8	-6.9	-0.4	181.7	167.1	-14.6	-0.8	-7.7	-0.4
57	Nondefense	453.3	504.1	50.8	1.0	456.4	504.7	48.3	1.0	-2.5	0.0
58	Consumption expenditures	341.4	366.8	25.4	0.7	344.5	364.5	20.1	0.5	-5.4	-0.2
59	Gross investment	112.0	137.7	25.7	2.0	112.0	140.6	28.6	2.2	2.9	0.2
60	State and local	2,024.9	2,035.6	10.7	0.1	2,025.2	2,017.6	-7.6	0	-18.3	-0.1
61	Consumption expenditures	1,637.6	1,659.2	21.6	0.1	1,637.9	1,651.2	13.3	0.1	-8.3	0.0
62	Gross investment	387.3	376.4	-10.9	-0.3	387.3	366.5	-20.8	-0.5	-9.9	-0.2
Addenda:											
63	Gross domestic income ¹	14,946.5	19,230.7	4,284.3	2.4	14,949.6	19,233.6	4,284.1	2.4	-0.2	0.0
64	Average of GDP and GDI ²	15,040.3	19,242.4	4,202.1	2.4	15,055.7	19,218.0	4,162.3	2.4	-39.8	0.0
65	Final sales of domestic product	15,343.9	19,226.6	3,882.7	2.2	15,371.4	19,164.4	3,793.0	2.1	-89.7	-0.1
66	Gross domestic purchases	15,588.8	20,099.6	4,510.9	2.4	15,645.3	20,036.9	4,391.7	2.4	-119.2	0.0
67	Gross national product	15,257.3	19,509.6	4,252.3	2.4	15,292.4	19,436.2	4,143.7	2.3	-108.6	-0.1
68	Disposable personal income ³	11,689.5	14,964.5	3,275.1	2.4	11,699.1	14,850.5	3,151.4	2.3	-123.7	-0.1

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

**Table A9. Revisions to Real Gross Domestic Product,
Expanded Detail, Over the Period 2019Q4–2020Q2**

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2019Q4	2020Q2	Change for 2019Q4–2020Q2		2019Q4	2020Q2	Change for 2019Q4–2020Q2		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	19,254.0	17,302.5	-1,951.4	-19.2	19,202.3	17,258.2	-1,944.1	-19.2	7.3	0.0
2	Personal consumption expenditures	13,353.7	11,860.3	-1,493.4	-21.1	13,249.0	11,756.4	-1,492.6	-21.3	0.9	-0.2
3	Goods	4,811.8	4,677.4	-134.4	-5.5	4,786.9	4,665.8	-121.1	-5.0	13.3	0.5
4	Durable goods	1,811.7	1,744.6	-67.1	-7.3	1,794.7	1,731.8	-62.9	-6.9	4.2	0.4
5	Motor vehicles and parts	539.2	497.3	-41.9	-14.9	537.5	498.4	-39.1	-14.0	2.8	0.9
6	Furnishings and durable household equipment	417.3	404.7	-12.6	-5.9	421.8	415.3	-6.5	-3.1	6.1	2.8
7	Recreational goods and vehicles	613.0	674.0	61.1	20.9	596.2	655.6	59.4	20.9	-1.7	0.0
8	Other durable goods	263.7	205.5	-58.2	-39.3	258.9	196.9	-62.0	-42.1	-3.8	-2.8
9	Nondurable goods	3,018.2	2,947.9	-70.3	-4.6	3,010.1	2,949.1	-60.9	-4.0	9.4	0.6
10	Food and beverages purchased for off-premises consumption	987.1	1,040.9	53.9	11.2	994.7	1,056.5	61.7	12.8	7.9	1.6
11	Clothing and footwear	418.0	318.1	-99.9	-42.1	415.1	322.8	-92.3	-39.5	7.6	2.6
12	Gasoline and other energy goods	441.6	342.0	-99.6	-40.0	443.0	341.7	-101.2	-40.5	-1.6	-0.5
13	Other nondurable goods	1,152.5	1,186.8	34.3	6.0	1,137.9	1,164.8	26.9	4.8	-7.3	-1.2
14	Services	8,584.9	7,306.9	-1,277.9	-27.6	8,505.9	7,217.3	-1,288.6	-28.0	-10.6	-0.4
15	Household consumption expenditures (for services)	8,237.0	6,832.2	-1,404.8	-31.2	8,157.0	6,748.9	-1,408.1	-31.5	-3.3	-0.3
16	Housing and utilities	2,199.1	2,220.6	21.6	2.0	2,111.8	2,128.9	17.1	1.6	-4.5	-0.4
17	Health care	2,260.2	1,782.7	-477.4	-37.8	2,263.3	1,782.6	-480.7	-38.0	-3.2	-0.2
18	Transportation services	447.8	267.3	-180.6	-64.4	461.9	272.4	-189.5	-65.2	-8.9	-0.8
19	Recreation services	506.7	246.0	-260.6	-76.4	510.2	258.0	-252.2	-74.4	8.4	2.0
20	Food services and accommodations	847.0	514.1	-332.8	-63.2	854.6	514.3	-340.3	-63.8	-7.5	-0.6
21	Financial services and insurance	865.8	859.0	-6.8	-1.6	850.9	842.0	-8.9	-2.1	-2.1	-0.5
22	Other services	1,130.5	897.7	-232.8	-37.0	1,132.6	913.4	-219.2	-35.0	13.6	2.0
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	349.5	467.0	117.5	78.5	350.5	460.8	110.3	72.9	-7.2	-5.6
24	Gross output of nonprofit institutions	1,422.1	1,338.4	-83.7	-11.4	1,406.0	1,327.1	-78.8	-10.9	4.9	0.5
25	Less: Receipts from sales of goods and services by nonprofit institutions	1,074.9	862.6	-212.3	-35.6	1,057.7	858.3	-199.5	-34.2	12.8	1.4
26	Gross private domestic investment	3,413.3	2,849.8	-563.5	-30.3	3,477.1	2,901.9	-575.2	-30.3	-11.7	0.0
27	Fixed investment	3,387.2	3,096.3	-290.9	-16.4	3,439.9	3,123.0	-316.9	-17.6	-26.1	-1.2
28	Nonresidential	2,781.5	2,525.5	-255.9	-17.6	2,834.7	2,535.7	-299.0	-20.0	-43.0	-2.4
29	Structures	545.1	487.5	-57.6	-20.0	570.0	485.8	-84.2	-27.4	-26.6	-7.4
30	Equipment	1,258.0	1,080.1	-177.8	-26.3	1,240.6	1,044.0	-196.6	-29.2	-18.7	-2.9
31	Information processing equipment	492.9	507.4	14.5	5.9	490.8	501.7	10.9	4.5	-3.6	-1.4
32	Computers and peripheral equipment	134.4	149.1	14.7	23.1	130.3	138.1	7.9	12.4	-6.8	-10.7
33	Other	358.3	355.8	-2.5	-1.4	361.1	363.0	1.9	1.1	4.4	2.5
34	Industrial equipment	245.3	226.5	-18.8	-14.7	235.8	217.4	-18.4	-15.0	0.4	-0.3
35	Transportation equipment	283.0	160.6	-122.4	-67.8	282.7	140.9	-141.8	-75.2	-19.4	-7.4
36	Other equipment	248.5	219.5	-29.0	-22.0	243.1	218.7	-24.5	-19.1	4.5	2.9
37	Intellectual property products	985.2	961.5	-23.6	-4.7	1,027.1	1,008.0	-19.0	-3.7	4.6	1.0
38	Software	461.8	465.4	3.6	1.6	483.8	492.2	8.4	3.5	4.9	1.9
39	Research and development	445.3	428.3	-17.0	-7.5	463.4	446.1	-17.3	-7.3	-0.3	0.2
40	Entertainment, literary, and artistic originals	84.3	76.8	-7.5	-17.0	86.0	79.2	-6.8	-15.3	0.7	1.7
41	Residential	610.5	571.3	-39.3	-12.4	612.2	584.9	-27.2	-8.7	12.0	3.7
42	Change in private inventories	-1.1	-287.0	-286.0	—	16.3	-252.8	-269.1	—	16.9	—
43	Farm	-15.6	-2.2	13.4	—	-14.3	-8.1	6.2	—	-7.2	—
44	Nonfarm	11.5	-280.8	-292.3	—	27.8	-242.3	-270.1	—	22.1	—

Table continues on next page

2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2019Q4	2020Q2	Change for 2019Q4–2020Q2		2019Q4	2020Q2	Change for 2019Q4–2020Q2		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-861.5	-775.1	86.4	—	-847.6	-774.8	72.8	—	-13.6	—
46	Exports	2,557.8	1,927.4	-630.4	-43.2	2,553.3	1,943.0	-610.4	-42.1	20.1	1.1
47	Goods	1,786.8	1,347.2	-439.6	-43.2	1,782.5	1,354.5	-428.0	-42.3	11.7	0.9
48	Services	774.0	582.1	-191.9	-43.4	773.7	588.8	-184.9	-42.1	7.0	1.3
49	Imports	3,419.3	2,702.5	-716.9	-37.5	3,400.9	2,717.7	-683.1	-36.1	33.7	1.4
50	Goods	2,872.2	2,348.0	-524.3	-33.2	2,853.9	2,363.3	-490.7	-31.4	33.6	1.8
51	Services	546.5	372.1	-174.4	-53.6	547.0	372.7	-174.3	-53.6	0.1	0.0
52	Government consumption expenditures and gross investment	3,337.5	3,368.7	31.3	1.9	3,316.3	3,378.1	61.9	3.8	30.6	1.9
53	Federal	1,301.1	1,356.8	55.7	8.7	1,298.0	1,368.4	70.4	11.1	14.7	2.4
54	National defense	797.1	804.0	6.9	1.7	793.4	798.2	4.8	1.2	-2.1	-0.5
55	Consumption expenditures	623.0	627.4	4.4	1.4	626.7	627.9	1.2	0.4	-3.2	-1.0
56	Gross investment	174.8	177.4	2.6	2.9	167.1	170.8	3.7	4.5	1.2	1.6
57	Nondefense	504.1	551.9	47.7	19.8	504.7	568.6	63.9	26.9	16.2	7.1
58	Consumption expenditures	366.8	415.8	49.0	28.5	364.5	425.7	61.1	36.4	12.2	7.9
59	Gross investment	137.7	135.7	-2.0	-2.9	140.6	142.5	1.9	2.7	3.9	5.6
60	State and local	2,035.6	2,013.1	-22.5	-2.2	2,017.6	2,011.0	-6.6	-0.7	15.8	1.5
61	Consumption expenditures	1,659.2	1,627.6	-31.6	-3.8	1,651.2	1,634.6	-16.6	-2.0	15.0	1.8
62	Gross investment	376.4	385.4	9.0	4.9	366.5	376.4	9.9	5.5	0.9	0.6
Addenda:											
63	Gross domestic income ¹	19,230.7	17,314.4	-1,916.3	-18.9	19,233.6	17,384.7	-1,848.9	-18.3	67.4	0.6
64	Average of GDP and GDI ²	19,242.4	17,308.5	-1,933.9	-19.1	19,218.0	17,321.5	-1,896.5	-18.8	37.4	0.3
65	Final sales of domestic product	19,226.6	17,540.5	-1,686.0	-16.8	19,164.4	17,471.0	-1,693.4	-16.9	-7.4	-0.1
66	Gross domestic purchases	20,099.6	18,087.5	-2,012.2	-19.0	20,036.9	18,046.1	-1,990.9	-18.9	21.3	0.1
67	Gross national product	19,509.6	17,442.9	-2,066.6	-20.1	19,436.2	17,412.7	-2,023.5	-19.7	43.2	0.4
68	Disposable personal income ³	14,964.5	16,626.5	1,662.0	23.4	14,850.5	16,516.9	1,666.4	23.7	4.4	0.3

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

Table A10. Revisions to Real Gross Domestic Product, Expanded Detail, Over the Period 2020Q2–2020Q4

[Billions of chained dollars, seasonally adjusted at annual rates]

Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2020Q2	2020Q4	Change for 2020Q2–2020Q4		2020Q2	2020Q4	Change for 2020Q2–2020Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
1	Gross domestic product	17,302.5	18,794.4	1,491.9	18.0	17,258.2	18,767.8	1,509.6	18.3	17.7	0.3
2	Personal consumption expenditures	11,860.3	12,999.1	1,138.8	20.1	11,756.4	12,927.9	1,171.5	20.9	32.7	0.8
3	Goods	4,677.4	5,134.3	456.9	20.5	4,665.8	5,155.0	489.2	22.1	32.3	1.6
4	Durable goods	1,744.6	2,022.6	278.1	34.4	1,731.8	2,036.4	304.6	38.3	26.6	3.9
5	Motor vehicles and parts	497.3	573.3	75.9	32.9	498.4	589.7	91.4	40.0	15.4	7.1
6	Furnishings and durable household equipment	404.7	454.5	49.7	26.1	415.3	467.4	52.1	26.7	2.4	0.6
7	Recreational goods and vehicles	674.0	745.7	71.6	22.4	655.6	727.7	72.1	23.2	0.5	0.8
8	Other durable goods	205.5	288.3	82.8	96.8	196.9	285.7	88.8	110.6	6.0	13.8
9	Nondurable goods	2,947.9	3,142.1	194.2	13.6	2,949.1	3,151.1	201.9	14.2	7.7	0.6
10	Food and beverages purchased for off-premises consumption	1,040.9	1,048.4	7.4	1.4	1,056.5	1,057.9	1.4	0.3	-6.0	-1.1
11	Clothing and footwear	318.1	414.1	96.0	69.5	322.8	431.8	109.0	78.9	13.0	9.4
12	Gasoline and other energy goods	342.0	392.0	50.0	31.4	341.7	388.3	46.6	29.1	-3.5	-2.3
13	Other nondurable goods	1,186.8	1,248.5	61.7	10.7	1,164.8	1,229.0	64.2	11.3	2.5	0.6
14	Services	7,306.9	8,002.5	695.6	19.9	7,217.3	7,917.0	699.7	20.3	4.1	0.4
15	Household consumption expenditures (for services)	6,832.2	7,621.0	788.8	24.4	6,748.9	7,531.9	783.0	24.5	-5.8	0.1
16	Housing and utilities	2,220.6	2,227.8	7.1	0.6	2,128.9	2,132.5	3.5	0.3	-3.6	-0.3
17	Health care	1,782.7	2,166.4	383.6	47.7	1,782.6	2,164.4	381.8	47.4	-1.9	-0.3
18	Transportation services	267.3	336.9	69.6	58.9	272.4	325.8	53.3	43.0	-16.3	-15.9
19	Recreation services	246.0	338.2	92.2	89.0	258.0	349.0	91.1	83.1	-1.1	-5.9
20	Food services and accommodations	514.1	667.6	153.5	68.6	514.3	676.1	161.8	72.8	8.3	4.2
21	Financial services and insurance	859.0	883.9	24.9	5.9	842.0	864.7	22.7	5.5	-2.2	-0.4
22	Other services	897.7	988.0	90.3	21.1	913.4	1,015.5	102.1	23.6	11.8	2.5
23	Final consumption expenditures of nonprofit institutions serving households (NPISHs)	467.0	379.4	-87.6	-34.0	460.8	383.2	-77.7	-30.9	9.9	3.1
24	Gross output of nonprofit institutions	1,338.4	1,393.3	54.9	8.4	1,327.1	1,388.1	60.9	9.4	6.0	1.0
25	Less: Receipts from sales of goods and services by nonprofit institutions	862.6	1,011.8	149.1	37.6	858.3	1,003.6	145.3	36.7	-3.8	-0.9
26	Gross private domestic investment	2,849.8	3,539.9	690.1	54.3	2,901.9	3,561.9	660.0	50.7	-30.1	-3.6
27	Fixed investment	3,096.3	3,458.9	362.5	24.8	3,123.0	3,456.6	333.7	22.5	-28.9	-2.3
28	Nonresidential	2,525.5	2,742.0	216.4	17.9	2,535.7	2,726.2	190.5	15.6	-26.0	-2.3
29	Structures	487.5	457.3	-30.2	-12.0	485.8	456.1	-29.7	-11.8	0.5	0.2
30	Equipment	1,080.1	1,301.8	221.7	45.3	1,044.0	1,237.1	193.1	40.4	-28.6	-4.9
31	Information processing equipment	507.4	577.0	69.7	29.4	501.7	566.5	64.8	27.5	-4.9	-1.9
32	Computers and peripheral equipment	149.1	165.6	16.6	23.4	138.1	152.9	14.8	22.5	-1.8	-0.9
33	Other	355.8	409.4	53.6	32.4	363.0	413.7	50.6	29.8	-3.0	-2.6
34	Industrial equipment	226.5	249.4	22.9	21.2	217.4	238.8	21.4	20.7	-1.4	-0.5
35	Transportation equipment	160.6	252.9	92.3	148.1	140.9	208.7	67.8	119.5	-24.5	-28.6
36	Other equipment	219.5	253.4	33.9	33.3	218.7	256.1	37.4	37.1	3.5	3.8
37	Intellectual property products	961.5	1,005.8	44.3	9.4	1,008.0	1,053.0	45.0	9.1	0.7	-0.3
38	Software	465.4	487.8	22.4	9.9	492.2	516.1	23.8	9.9	1.4	0.0
39	Research and development	428.3	451.3	22.9	11.0	446.1	469.0	22.9	10.5	0.0	-0.5
40	Entertainment, literary, and artistic originals	76.8	76.1	-0.7	-1.8	79.2	78.0	-1.2	-2.9	-0.5	-1.1
41	Residential	571.3	697.9	126.6	49.2	584.9	708.2	123.3	46.6	-3.3	-2.6
42	Change in private inventories	-287.0	62.1	349.1	—	-252.8	88.8	341.6	—	-7.5	—
43	Farm	-2.2	4.0	6.2	—	-8.1	-3.9	4.2	—	-2.0	—
44	Nonfarm	-280.8	57.9	338.6	—	-242.3	90.2	332.6	—	-6.1	—

Table continues on next page

2021 Annual Update of the National Income and Product Accounts

Released July 29, 2021



Line	Real GDP and its major components	Previously Published Chained (2012) dollars				Revised Chained (2012) dollars				Revision in change	
		2020Q2	2020Q4	Change for 2020Q2–2020Q4		2020Q2	2020Q4	Change for 2020Q2–2020Q4		Dollar	Percent change (percentage point)
				Dollar	Percent (annual rate)			Dollar	Percent (annual rate)		
45	Net exports of goods and services	-775.1	-1,122.0	-346.9	—	-774.8	-1,132.8	-358.0	—	-11.1	—
46	Exports	1,927.4	2,278.5	351.1	39.8	1,943.0	2,279.0	336.1	37.6	-15.0	-2.2
47	Goods	1,347.2	1,723.3	376.1	63.6	1,354.5	1,703.1	348.6	58.1	-27.5	-5.5
48	Services	582.1	588.7	6.7	2.3	588.8	603.4	14.6	5.0	8.0	2.7
49	Imports	2,702.5	3,400.5	698.0	58.3	2,717.7	3,411.8	694.1	57.6	-3.9	-0.7
50	Goods	2,348.0	3,024.6	676.6	65.9	2,363.3	3,015.4	652.2	62.8	-24.4	-3.1
51	Services	372.1	414.9	42.8	24.3	372.7	430.7	58.0	33.5	15.2	9.2
52	Government consumption expenditures and gross investment	3,368.7	3,320.4	-48.4	-2.9	3,378.1	3,356.0	-22.1	-1.3	26.3	1.6
53	Federal	1,356.8	1,332.2	-24.7	-3.6	1,368.4	1,338.8	-29.6	-4.3	-4.9	-0.7
54	National defense	804.0	819.8	15.8	4.0	798.2	812.0	13.8	3.5	-2.0	-0.5
55	Consumption expenditures	627.4	640.2	12.8	4.1	627.9	637.9	10.0	3.2	-2.8	-0.9
56	Gross investment	177.4	180.4	3.0	3.4	170.8	174.7	3.8	4.5	0.8	1.1
57	Nondefense	551.9	512.6	-39.2	-13.7	568.6	526.7	-42.0	-14.2	-2.7	-0.5
58	Consumption expenditures	415.8	370.3	-45.5	-20.7	425.7	382.3	-43.4	-19.4	2.1	1.3
59	Gross investment	135.7	142.9	7.1	10.8	142.5	144.8	2.2	3.2	-4.9	-7.6
60	State and local	2,013.1	1,989.2	-24.0	-2.4	2,011.0	2,017.6	6.6	0.7	30.6	3.1
61	Consumption expenditures	1,627.6	1,601.1	-26.6	-3.2	1,634.6	1,636.7	2.1	0.3	28.7	3.5
62	Gross investment	385.4	388.0	2.5	1.3	376.4	380.9	4.5	2.4	2.0	1.1
Addenda:											
63	Gross domestic income ¹	17,314.4	19,101.9	1,787.5	21.7	17,384.7	19,200.3	1,815.6	22.0	28.2	0.3
64	Average of GDP and GDI ²	17,308.5	18,948.1	1,639.7	19.8	17,321.5	18,984.0	1,662.6	20.1	22.9	0.3
65	Final sales of domestic product	17,540.5	18,714.6	1,174.0	13.8	17,471.0	18,664.8	1,193.8	14.1	19.7	0.3
66	Gross domestic purchases	18,087.5	19,854.7	1,767.2	20.5	18,046.1	19,841.7	1,795.6	20.9	28.4	0.4
67	Gross national product	17,442.9	18,984.5	1,541.6	18.5	17,412.7	18,987.9	1,575.2	18.9	33.7	0.4
68	Disposable personal income ³	16,626.5	15,541.1	-1,085.5	-12.6	16,516.9	15,443.0	-1,073.9	-12.6	11.5	0.0

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. The arithmetic average of gross domestic product and of gross domestic income, deflated by the implicit price deflator for GDP.
3. Disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

Table B1. Revisions to the Chain-Type Price Indexes Over the Period 2015–2020

Line	Chain-type price indexes	Index numbers (2012=100)			Revision in percent change (percentage point)
		2015	2020	Percent change for 2015–2020 (annual rate)	
1	Gross domestic product	104.662	113.740	1.7	0.0
2	Less: Exports of goods and services	95.373	96.188	0.2	0.1
3	Plus: Imports of goods and services	90.144	88.075	-0.5	0.0
4	<i>Equals</i> : Gross domestic purchases	103.464	111.682	1.5	0.0
5	Personal consumption expenditures	103.116	111.225	1.5	0.0
6	Goods	95.896	94.160	-0.4	0.0
7	Durable goods	93.358	85.784	-1.7	0.0
8	Nondurable goods	97.092	98.602	0.3	0.0
9	Services	106.796	120.302	2.4	0.0
10	Gross private domestic investment	103.535	110.212	1.3	0.0
11	Fixed investment	104.075	111.052	1.3	0.0
12	Nonresidential	101.909	104.813	0.6	0.0
13	Structures	109.403	120.852	2.0	0.1
14	Equipment	98.671	97.388	-0.3	-0.1
15	Intellectual property products	101.374	104.574	0.6	0.0
16	Residential	114.114	138.541	4.0	0.0
17	Change in private inventories	—	—	—	—
18	Government consumption expenditures and gross investment	104.638	114.861	1.9	0.0
19	Federal	103.143	112.018	1.7	0.1
20	National defense	102.334	110.039	1.5	0.1
21	Nondefense	104.466	115.108	2.0	0.2
22	State and local	105.656	116.725	2.0	0.0
Addenda:					
23	Gross domestic purchases excluding food and energy	104.418	113.295	1.6	0.0
24	Gross national product	104.652	113.721	1.7	0.0
25	PCE excluding food and energy	104.487	113.553	1.7	0.0
26	Market-based PCE	101.974	108.575	1.3	0.0
27	Market-based PCE, excluding food and energy	103.358	110.802	1.4	0.0

Table B2. Revisions to the Chain-Type Price Indexes Over the Period 2015Q4–2020Q4

Line	Chain-type price indexes	Index numbers (2012=100)			Revision in percent change (percentage point)
		2015Q4	2020Q4	Percent change for 2015Q4–2020Q4 (annual rate)	
1	Gross domestic product	104.932	114.611	1.8	0.1
2	Less: Exports of goods and services	93.771	97.622	0.8	0.1
3	Plus: Imports of goods and services	87.890	88.585	0.2	0.1
4	<i>Equals</i> : Gross domestic purchases	103.548	112.434	1.7	0.1
5	Personal consumption expenditures	103.288	111.928	1.6	0.0
6	Goods	95.160	94.437	-0.2	-0.1
7	Durable goods	92.628	86.452	-1.4	0.0
8	Nondurable goods	96.351	98.646	0.5	0.0
9	Services	107.446	121.267	2.4	0.0
10	Gross private domestic investment	103.395	111.000	1.4	0.0
11	Fixed investment	103.998	111.850	1.5	0.0
12	Nonresidential	101.550	105.005	0.7	0.1
13	Structures	109.464	121.071	2.0	0.1
14	Equipment	98.265	96.780	-0.3	-0.1
15	Intellectual property products	100.795	105.688	1.0	0.1
16	Residential	115.270	141.817	4.2	0.0
17	Change in private inventories	—	—	—	—
18	Government consumption expenditures and gross investment	104.639	115.768	2.0	0.0
19	Federal	103.211	112.959	1.8	0.1
20	National defense	102.352	110.939	1.6	0.1
21	Nondefense	104.611	116.118	2.1	0.2
22	State and local	105.615	117.611	2.2	0.0
Addenda:					
23	Gross domestic purchases excluding food and energy	104.682	114.047	1.7	0.0
24	Gross national product	104.921	114.591	1.8	0.1
25	PCE excluding food and energy	104.926	114.255	1.7	0.0
26	Market-based PCE	102.099	109.155	1.3	-0.1
27	Market-based PCE, excluding food and energy	103.781	111.356	1.4	0.0

Table C. Changes from Preceding Period in Real Gross Domestic Product and Real Gross Domestic Income: Annually, 2015–2020, and Quarterly, 2015Q4–2020Q4

Year	Chained (2012) dollars			Percent change			Difference GDP–GDI
	GDP	GDI ¹	Average	GDP	GDI	Average	
2015	17,390.3	17,614.3	17,502.3	2.7	2.5	2.6	0.2
2016	17,680.3	17,768.6	17,724.5	1.7	0.9	1.3	0.8
2017	18,079.1	18,189.4	18,134.3	2.3	2.4	2.3	-0.1
2018	18,606.8	18,720.5	18,663.6	2.9	2.9	2.9	0.0
2019	19,032.7	19,094.7	19,063.7	2.3	2.0	2.1	0.3
2020	18,384.7	18,534.8	18,459.7	-3.4	-2.9	-3.2	-0.5

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.

Quarter	Chained (2012) dollars			Percent change			Difference GDP–GDI
	GDP	GDI ¹	Average	GDP	GDI	Average	
2015Q4	17,462.6	17,656.2	17,559.4	0.6	0.5	0.5	0.1
2016Q1	17,565.5	17,760.5	17,663.0	2.4	2.4	2.4	0.0
2016Q2	17,618.6	17,673.6	17,646.1	1.2	-1.9	-0.4	3.1
2016Q3	17,724.5	17,781.3	17,752.9	2.4	2.5	2.4	-0.1
2016Q4	17,812.6	17,860.2	17,836.4	2.0	1.8	1.9	0.2
2017Q1	17,896.6	18,006.8	17,951.7	1.9	3.3	2.6	-1.4
2017Q2	17,996.8	18,143.4	18,070.1	2.3	3.1	2.7	-0.8
2017Q3	18,126.2	18,232.7	18,179.5	2.9	2.0	2.4	0.9
2017Q4	18,296.7	18,375.2	18,336.0	3.8	3.2	3.5	0.6
2018Q1	18,436.3	18,557.7	18,497.0	3.1	4.0	3.6	-0.9
2018Q2	18,590.0	18,594.4	18,592.2	3.4	0.8	2.1	2.6
2018Q3	18,679.6	18,828.5	18,754.1	1.9	5.1	3.5	-3.2
2018Q4	18,721.3	18,900.8	18,811.0	0.9	1.5	1.2	-0.6
2019Q1	18,833.2	19,007.2	18,920.2	2.4	2.3	2.3	0.1
2019Q2	18,982.5	19,047.0	19,014.8	3.2	0.8	2.0	2.4
2019Q3	19,112.7	19,092.1	19,102.4	2.8	0.9	1.9	1.9
2019Q4	19,202.3	19,233.6	19,218.0	1.9	3.0	2.4	-1.1
2020Q1	18,952.0	19,194.2	19,073.1	-5.1	-0.8	-3.0	-4.3
2020Q2	17,258.2	17,384.7	17,321.5	-31.2	-32.7	-32.0	1.5
2020Q3	18,560.8	18,358.8	18,459.8	33.8	24.4	29.0	9.4
2020Q4	18,767.8	19,200.3	18,984.0	4.5	19.6	11.9	-15.1

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.

Table D. Revisions to Cyclical Fluctuations in Real Gross Domestic Product, 1948–2020

Contractions				
	Average annual rate of change; in percent	Percentage points, annual rate	Percent change; not annual rate	Percentage points, not annual rate
		Revision in percent change		Revision in percent change
1948Q4–1949Q4	-1.5	0.0	-1.5	0.0
1953Q2–1954Q2	-2.4	0.0	-2.4	0.0
1957Q3–1958Q2	-3.9	0.0	-3.0	0.0
1960Q2–1961Q1	-0.2	0.0	-0.1	0.0
1969Q4–1970Q4	-0.2	0.0	-0.2	0.0
1973Q4–1975Q1	-2.5	0.0	-3.1	0.0
1980Q1–1980Q3	-4.3	0.0	-2.2	0.0
1981Q3–1982Q4	-2.0	0.0	-2.5	0.0
1990Q3–1991Q1	-2.7	0.0	-1.4	0.0
2001Q1–2001Q4	0.7	0.1	0.5	0.1
2007Q4–2009Q2	-2.6	0.1	-3.8	0.2
2019Q4–2020Q2	-19.2	0.0	-10.1	0.0

Note: Periods of contraction and expansion reflect business cycle dates as determined by the National Bureau of Economic Research.

Expansions				
	Average annual rate of change; in percent	Percentage points, annual rate	Percent change; not annual rate	Percentage points, not annual rate
		Revision in percent change		Revision in percent change
1949Q4–1953Q2	7.6	0.0	29.3	0.0
1954Q2–1957Q3	4.0	0.0	13.7	0.0
1958Q2–1960Q2	5.5	0.0	11.4	0.0
1961Q1–1969Q4	4.9	0.0	51.9	0.0
1970Q4–1973Q4	5.1	0.0	16.1	0.0
1975Q1–1980Q1	4.3	0.0	23.2	0.0
1980Q3–1981Q3	4.3	0.0	4.3	0.0
1982Q4–1990Q3	4.3	0.0	38.2	0.0
1991Q1–2001Q1	3.6	0.0	42.5	-0.1
2001Q4–2007Q4	2.9	0.0	18.7	0.0
2009Q2–2019Q4	2.3	0.0	26.6	-0.6
2020Q2–2020Q4	18.3	0.3	8.7	0.1

Note: Periods of contraction and expansion reflect business cycle dates as determined by the National Bureau of Economic Research.