



# **ECONOMIC FORECAST**

## Calendar Year Summary Tables

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Final  
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Table A1.1  
**U.S. Economic Forecast Summary**  
Forecast 2019 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
<b>Real National Income Accounts (Billions of Chained 2012 Dollars)</b>								
Real Gross Domestic Product	17,659.2	18,050.7	18,566.4	19,033.6	19,376.2	19,705.6	20,080.0	20,481.6
% Ch	1.6	2.2	2.9	2.5	1.8	1.7	1.9	2.0
Real Consumption	12,248.2	12,558.7	12,887.6	13,192.8	13,468.8	13,724.7	13,999.2	14,279.2
% Ch	2.7	2.5	2.6	2.4	2.1	1.9	2.0	2.0
Real Nonresidential Fixed Investment	2,411.2	2,538.1	2,713.6	2,785.9	2,858.1	2,959.9	3,083.8	3,233.4
% Ch	0.5	5.3	6.9	2.7	2.6	3.6	4.2	4.8
Real Residential Fixed Investment	591.3	611.1	609.2	593.8	590.7	591.4	604.3	611.9
% Ch	6.5	3.3	-0.3	-2.5	-0.5	0.1	2.2	1.3
Real Personal Income	15,469.7	15,866.8	16,232.9	16,635.9	17,071.3	17,491.0	17,914.6	18,356.3
% Ch	1.5	2.6	2.3	2.5	2.6	2.5	2.4	2.5
Real Per Capita Income (\$/Person)	47,752	48,630	49,401	50,261	51,213	52,107	53,002	53,941
% Ch	0.8	1.8	1.6	1.7	1.9	1.7	1.7	1.8
<b>Price and Wage Indexes</b>								
PCE Price Index (2012=100)	104.2	106.1	108.2	109.8	111.8	114.0	116.2	118.4
% Ch	1.1	1.8	2.0	1.5	1.8	1.9	1.9	1.9
U.S. Consumer Price Index (1982-84=1.0)	2.400	2.451	2.511	2.555	2.603	2.656	2.712	2.770
% Ch	1.3	2.1	2.4	1.8	1.9	2.0	2.1	2.1
Employment Cost Index (Dec. 2005=1.0)	1.262	1.295	1.334	1.373	1.418	1.466	1.517	1.570
% Ch	2.4	2.6	3.0	3.0	3.2	3.4	3.5	3.5
<b>Current Dollar National Income (Billions of Dollars)</b>								
Gross Domestic Product	18,707.2	19,485.4	20,494.1	21,356.7	22,214.3	23,109.9	24,092.9	25,134.3
% Ch	2.7	4.2	5.2	4.2	4.0	4.0	4.3	4.3
Personal Income	16,125.1	16,830.9	17,569.5	18,270.0	19,090.5	19,935.8	20,813.0	21,738.8
% Ch	2.6	4.4	4.4	4.0	4.5	4.4	4.4	4.4
<b>Employment (Millions)</b>								
U.S. Civilian Labor Force	159.2	160.3	162.1	163.3	165.0	166.3	167.4	168.4
Total U.S. Employment	151.4	153.3	155.8	157.4	159.0	159.9	160.9	161.7
Unemployment Rate (%)	4.87	4.35	3.89	3.61	3.59	3.79	3.91	4.00
Nonfarm Payroll Employment	144.35	146.61	149.06	151.57	153.23	154.09	155.02	155.90
% Ch	1.8	1.6	1.7	1.7	1.1	0.6	0.6	0.6
Manufacturing	12.35	12.44	12.69	12.84	12.77	12.64	12.56	12.55
% Ch	0.1	0.7	2.0	1.2	-0.5	-1.1	-0.6	0.0
Durable Manufacturing	7.71	7.74	7.94	8.06	8.04	7.96	7.91	7.94
% Ch	-0.7	0.3	2.7	1.5	-0.2	-1.1	-0.6	0.3
Nondurable Manufacturing	4.64	4.70	4.74	4.77	4.73	4.68	4.65	4.61
% Ch	1.5	1.3	0.9	0.6	-1.0	-1.1	-0.7	-0.7
Construction	6.73	6.97	7.29	7.51	7.60	7.72	7.89	8.09
% Ch	4.1	3.6	4.6	3.1	1.1	1.5	2.2	2.6
Service-Providing	124.60	126.53	128.36	130.47	132.10	132.98	133.80	134.48
% Ch	1.9	1.5	1.4	1.6	1.3	0.7	0.6	0.5
<b>Miscellaneous Indicators</b>								
Oil-WTI (\$ per barrel)	43.2	51.0	64.9	54.6	51.8	51.1	51.3	51.9
Personal Saving/Disposable Income (%)	6.7	6.7	6.7	6.4	6.7	7.2	7.4	7.7
Auto Sales (Millions)	6.9	6.1	5.3	4.9	4.9	4.8	4.9	5.0
% Ch	-8.6	-11.5	-12.8	-8.5	0.0	-0.5	0.8	2.4
Housing Starts (Millions)	1.178	1.209	1.250	1.213	1.248	1.258	1.307	1.309
% Ch	6.4	2.6	3.4	-3.0	2.9	0.8	3.9	0.2
Federal Budget Surplus (Billions)	-665.1	-695.4	-985.9	-1,068.5	-1,091.0	-1,133.9	-1,170.7	-1,183.6
Net Exports (Billions)	-520.6	-578.4	-625.4	-592.1	-529.3	-486.0	-460.0	-414.4
3-Month Treasury Bill Rate (%)	0.32	0.93	1.94	2.37	2.22	2.15	2.14	2.37
10-Year Treasury Note Yield (%)	1.84	2.33	2.91	2.41	2.54	2.92	3.14	3.23
Bond Index of 20 G.O. Munis. (%)	3.27	3.67	3.96	3.91	4.13	4.44	4.63	4.72
30-Year Fixed Mortgage Rate (%)	3.65	3.99	4.54	4.13	4.25	4.55	4.73	4.83

Table A1.2  
**U.S. Economic Forecast Summary**  
 Forecast 2019 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
<b>Real National Income Accounts (Billions of Chained 2012 Dollars)</b>								
Real Gross Domestic Product	18,324.0	18,511.6	18,665.0	18,765.3	18,907.5	18,983.6	19,076.3	19,167.0
% Ch , Annual Rate	2.2	4.2	3.4	2.2	3.1	1.6	2.0	1.9
Real Consumption	12,722.8	12,842.0	12,953.3	13,032.3	13,075.1	13,161.3	13,231.9	13,302.8
% Ch , Annual Rate	0.5	3.8	3.5	2.5	1.3	2.7	2.2	2.2
Real Nonresidential Fixed Investment	2,654.0	2,710.1	2,727.0	2,763.3	2,778.9	2,771.4	2,786.9	2,806.5
% Ch , Annual Rate	11.5	8.7	2.5	5.4	2.3	-1.1	2.3	2.8
Real Residential Fixed Investment	615.3	613.2	607.7	600.4	595.1	593.6	592.4	593.9
% Ch , Annual Rate	-3.4	-1.3	-3.6	-4.7	-3.5	-1.0	-0.8	1.0
Real Personal Income	16,107.2	16,165.1	16,277.9	16,381.2	16,497.7	16,575.1	16,679.5	16,791.2
% Ch , Annual Rate	2.6	1.4	2.8	2.6	2.9	1.9	2.5	2.7
Real Per Capita Income (\$/Person)	49,157	49,246	49,488	49,713	49,977	50,122	50,348	50,596
% Ch , Annual Rate	2.0	0.7	2.0	1.8	2.1	1.2	1.8	2.0
<b>Price and Wage Indexes</b>								
PCE Price Index (2012=100)	107.5	108.1	108.5	108.9	109.0	109.6	110.1	110.6
% Ch , Annual Rate	2.5	2.0	1.6	1.5	0.4	2.5	1.7	1.6
U.S. Consumer Price Index (1982-84=1.0)	2.493	2.506	2.518	2.528	2.533	2.552	2.562	2.573
% Ch , Annual Rate	3.2	2.1	2.0	1.5	0.9	3.1	1.6	1.6
Employment Cost Index (Dec. 2005=1.0)	1.320	1.328	1.339	1.348	1.359	1.368	1.378	1.389
% Ch , Annual Rate	4.0	2.4	3.4	2.7	3.3	2.6	3.0	3.3
<b>Current Dollar National Income (Billions of Dollars)</b>								
Gross Domestic Product	20,041.0	20,411.9	20,658.2	20,865.1	21,048.8	21,251.2	21,464.8	21,662.0
% Ch , Annual Rate	4.3	7.6	4.9	4.1	3.6	3.9	4.1	3.7
Personal Income	17,319.2	17,466.7	17,657.3	17,835.0	17,978.7	18,173.2	18,365.1	18,563.0
% Ch , Annual Rate	5.2	3.5	4.4	4.1	3.3	4.4	4.3	4.4
<b>Employment (Millions)</b>								
U.S. Civilian Labor Force	161.6	161.8	162.0	162.9	163.1	162.9	163.4	163.7
Total U.S. Employment	155.0	155.4	155.9	156.8	156.8	157.0	157.6	158.1
Unemployment Rate (%)	4.09	3.91	3.79	3.77	3.88	3.59	3.50	3.45
Nonfarm Payroll Employment	148.05	148.74	149.41	150.06	150.69	151.36	151.91	152.32
% Ch , Annual Rate	1.8	1.9	1.8	1.7	1.7	1.8	1.5	1.1
Manufacturing	12.59	12.66	12.72	12.79	12.83	12.85	12.82	12.83
% Ch , Annual Rate	2.3	2.3	1.9	2.2	1.4	0.6	-0.8	0.3
Durable Manufacturing	7.86	7.92	7.97	8.02	8.06	8.07	8.05	8.07
% Ch , Annual Rate	3.4	3.0	2.7	2.4	1.8	0.6	-0.7	0.9
Nondurable Manufacturing	4.73	4.74	4.74	4.77	4.77	4.78	4.77	4.76
% Ch , Annual Rate	0.5	1.0	0.6	1.8	0.8	0.7	-0.9	-0.6
Construction	7.18	7.26	7.33	7.39	7.45	7.50	7.54	7.57
% Ch , Annual Rate	6.7	4.8	4.0	3.1	3.3	3.0	1.8	1.5
Service-Providing	127.58	128.09	128.62	129.13	129.65	130.26	130.80	131.16
% Ch , Annual Rate	1.4	1.6	1.6	1.6	1.6	1.9	1.7	1.1
<b>Miscellaneous Indicators</b>								
Oil-WTI (\$ per barrel)	62.9	68.0	69.8	58.9	54.8	59.0	52.1	52.4
Personal Saving/Disposable Income (%)	7.2	6.7	6.4	6.5	6.7	6.3	6.3	6.4
Auto Sales (Millions)	5.4	5.3	5.1	5.3	5.0	4.8	4.7	4.9
% Ch , Annual Rate	-32.1	-8.8	-13.4	16.4	-22.6	-16.3	-4.7	17.5
Housing Starts (Millions)	1.321	1.260	1.233	1.185	1.203	1.209	1.213	1.225
% Ch , Annual Rate	20.8	-17.2	-8.2	-14.7	6.1	2.1	1.3	4.2
Federal Budget Surplus (Billions)	-969.9	-993.7	-960.6	-1,019.5	-1,095.2	-1,064.4	-1,052.3	-1,062.1
Net Exports (Billions)	-639.2	-549.8	-653.5	-658.9	-607.2	-595.0	-585.8	-580.3
3-Month Treasury Bill Rate (%)	1.56	1.84	2.04	2.32	2.39	2.39	2.38	2.31
10-Year Treasury Note Yield (%)	2.76	2.92	2.93	3.03	2.65	2.41	2.29	2.27
Bond Index of 20 G.O. Munis. (%)	3.73	3.89	3.97	4.25	4.13	3.72	3.85	3.92
30-Year Fixed Mortgage Rate (%)	4.27	4.54	4.57	4.78	4.38	4.08	4.03	4.03

Table A1.2 (continued)  
**U.S. Economic Forecast Summary**  
 Forecast 2019 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
<b>Real National Income Accounts (Billions of Chained 2012 Dollars)</b>								
Real Gross Domestic Product	19,255.6	19,338.4	19,415.2	19,495.6	19,579.7	19,660.9	19,745.7	19,836.0
% Ch , Annual Rate	1.9	1.7	1.6	1.7	1.7	1.7	1.7	1.8
Real Consumption	13,377.2	13,442.9	13,500.0	13,555.0	13,623.3	13,690.9	13,758.3	13,826.2
% Ch , Annual Rate	2.3	2.0	1.7	1.6	2.0	2.0	2.0	2.0
Real Nonresidential Fixed Investment	2,821.4	2,839.9	2,870.3	2,900.8	2,923.3	2,946.1	2,971.3	2,999.0
% Ch , Annual Rate	2.1	2.6	4.4	4.3	3.1	3.2	3.5	3.8
Real Residential Fixed Investment	592.9	589.9	588.4	591.6	590.8	588.8	590.5	595.3
% Ch , Annual Rate	-0.7	-2.0	-1.1	2.2	-0.6	-1.3	1.2	3.3
Real Personal Income	16,906.5	17,022.7	17,129.8	17,226.4	17,342.2	17,440.7	17,540.0	17,641.1
% Ch , Annual Rate	2.8	2.8	2.5	2.3	2.7	2.3	2.3	2.3
Real Per Capita Income (\$/Person)	50,853	51,112	51,344	51,543	51,799	52,002	52,208	52,418
% Ch , Annual Rate	2.1	2.1	1.8	1.6	2.0	1.6	1.6	1.6
<b>Price and Wage Indexes</b>								
PCE Price Index (2012=100)	111.1	111.6	112.1	112.6	113.2	113.7	114.2	114.8
% Ch , Annual Rate	1.9	1.8	1.8	1.9	2.0	2.0	1.9	2.0
U.S. Consumer Price Index (1982-84=1.0)	2.586	2.597	2.609	2.620	2.635	2.649	2.663	2.677
% Ch , Annual Rate	2.0	1.7	1.8	1.8	2.2	2.2	2.1	2.1
Employment Cost Index (Dec. 2005=1.0)	1.401	1.413	1.424	1.435	1.448	1.460	1.472	1.485
% Ch , Annual Rate	3.3	3.5	3.2	3.3	3.5	3.4	3.5	3.4
<b>Current Dollar National Income (Billions of Dollars)</b>								
Gross Domestic Product	21,885.5	22,109.3	22,318.9	22,543.8	22,769.1	22,989.5	23,219.7	23,461.2
% Ch , Annual Rate	4.2	4.2	3.8	4.1	4.1	3.9	4.1	4.2
Personal Income	18,778.3	18,992.1	19,196.8	19,394.8	19,623.0	19,830.6	20,038.0	20,251.6
% Ch , Annual Rate	4.7	4.6	4.4	4.2	4.8	4.3	4.2	4.3
<b>Employment (Millions)</b>								
U.S. Civilian Labor Force	164.3	165.0	165.1	165.4	165.8	166.1	166.4	166.7
Total U.S. Employment	158.5	159.1	159.1	159.3	159.6	159.8	160.1	160.3
Unemployment Rate (%)	3.51	3.56	3.62	3.68	3.73	3.78	3.81	3.85
Nonfarm Payroll Employment	152.74	153.29	153.37	153.51	153.73	153.98	154.21	154.44
% Ch , Annual Rate	1.1	1.5	0.2	0.4	0.6	0.6	0.6	0.6
Manufacturing	12.84	12.80	12.74	12.70	12.67	12.65	12.62	12.59
% Ch , Annual Rate	0.3	-1.5	-1.7	-1.3	-0.8	-0.8	-0.8	-0.9
Durable Manufacturing	8.09	8.06	8.02	8.00	7.98	7.97	7.95	7.93
% Ch , Annual Rate	1.1	-1.6	-1.9	-1.2	-0.7	-0.7	-0.8	-1.1
Nondurable Manufacturing	4.75	4.73	4.72	4.70	4.69	4.68	4.67	4.66
% Ch , Annual Rate	-1.0	-1.4	-1.4	-1.4	-0.9	-0.9	-0.8	-0.7
Construction	7.57	7.58	7.60	7.64	7.67	7.70	7.73	7.77
% Ch , Annual Rate	0.3	0.7	1.0	1.9	1.8	1.3	1.6	2.1
Service-Providing	131.57	132.16	132.26	132.41	132.63	132.87	133.10	133.31
% Ch , Annual Rate	1.2	1.8	0.3	0.4	0.7	0.7	0.7	0.6
<b>Miscellaneous Indicators</b>								
Oil-WTI (\$ per barrel)	52.2	51.9	51.6	51.4	51.2	51.1	51.1	51.1
Personal Saving/Disposable Income (%)	6.5	6.7	6.8	6.9	7.1	7.1	7.2	7.2
Auto Sales (Millions)	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8
% Ch , Annual Rate	-3.5	-1.6	-0.4	-1.3	-0.6	-0.1	0.5	0.3
Housing Starts (Millions)	1.236	1.239	1.254	1.262	1.239	1.247	1.264	1.281
% Ch , Annual Rate	3.5	1.2	4.8	2.7	-7.2	2.6	5.7	5.6
Federal Budget Surplus (Billions)	-1,077.4	-1,093.4	-1,095.1	-1,098.1	-1,122.6	-1,131.2	-1,137.0	-1,145.0
Net Exports (Billions)	-563.6	-539.1	-519.0	-495.6	-491.4	-489.9	-484.6	-478.2
3-Month Treasury Bill Rate (%)	2.26	2.23	2.19	2.18	2.16	2.15	2.15	2.14
10-Year Treasury Note Yield (%)	2.37	2.49	2.60	2.71	2.81	2.89	2.97	3.03
Bond Index of 20 G.O. Munis. (%)	4.00	4.08	4.17	4.26	4.34	4.40	4.47	4.53
30-Year Fixed Mortgage Rate (%)	4.11	4.21	4.30	4.38	4.46	4.53	4.59	4.63

Table A1.2 (continued)  
**U.S. Economic Forecast Summary**  
Forecast 2019 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
<b>Real National Income Accounts (Billions of Chained 2012 Dollars)</b>								
Real Gross Domestic Product	19,930.2	20,029.5	20,130.9	20,229.4	20,331.3	20,430.7	20,530.4	20,634.0
% Ch , Annual Rate	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Real Consumption	13,894.9	13,964.6	14,033.9	14,103.4	14,173.2	14,243.6	14,314.3	14,385.6
% Ch , Annual Rate	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Real Nonresidential Fixed Investment	3,030.6	3,065.0	3,101.3	3,138.5	3,177.6	3,214.8	3,252.0	3,289.2
% Ch , Annual Rate	4.3	4.6	4.8	4.9	5.1	4.8	4.7	4.7
Real Residential Fixed Investment	599.8	603.3	606.3	608.0	609.6	611.0	612.4	614.6
% Ch , Annual Rate	3.0	2.4	2.0	1.1	1.0	1.0	0.9	1.4
Real Personal Income	17,759.8	17,862.7	17,966.0	18,070.1	18,195.3	18,301.2	18,408.9	18,519.7
% Ch , Annual Rate	2.7	2.3	2.3	2.3	2.8	2.3	2.4	2.4
Real Per Capita Income (\$/Person)	52,680	52,894	53,109	53,326	53,604	53,825	54,051	54,285
% Ch , Annual Rate	2.0	1.6	1.6	1.6	2.1	1.7	1.7	1.7
<b>Price and Wage Indexes</b>								
PCE Price Index (2012=100)	115.3	115.9	116.4	117.0	117.6	118.1	118.7	119.3
% Ch , Annual Rate	1.9	1.9	1.9	1.9	2.0	1.9	1.9	2.0
U.S. Consumer Price Index (1982-84=1.0)	2.691	2.705	2.719	2.733	2.748	2.762	2.777	2.792
% Ch , Annual Rate	2.1	2.1	2.1	2.1	2.2	2.0	2.2	2.2
Employment Cost Index (Dec. 2005=1.0)	1.498	1.511	1.523	1.536	1.550	1.563	1.577	1.591
% Ch , Annual Rate	3.5	3.5	3.4	3.5	3.6	3.5	3.6	3.6
<b>Current Dollar National Income (Billions of Dollars)</b>								
Gross Domestic Product	23,709.0	23,963.6	24,221.2	24,477.8	24,741.0	25,000.2	25,263.1	25,533.0
% Ch , Annual Rate	4.3	4.4	4.4	4.3	4.4	4.3	4.3	4.3
Personal Income	20,485.2	20,702.4	20,921.2	21,143.3	21,393.2	21,619.5	21,852.0	22,090.4
% Ch , Annual Rate	4.7	4.3	4.3	4.3	4.8	4.3	4.4	4.4
<b>Employment (Millions)</b>								
U.S. Civilian Labor Force	167.0	167.3	167.6	167.8	168.1	168.3	168.5	168.8
Total U.S. Employment	160.5	160.8	161.0	161.2	161.4	161.6	161.8	162.0
Unemployment Rate (%)	3.89	3.90	3.92	3.94	3.96	3.98	4.01	4.04
Nonfarm Payroll Employment	154.66	154.90	155.14	155.38	155.60	155.82	156.00	156.19
% Ch, Annual Rate	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
Manufacturing	12.58	12.55	12.55	12.55	12.55	12.55	12.55	12.55
% Ch, Annual Rate	-0.6	-0.7	-0.2	0.0	0.0	0.0	0.1	-0.1
Durable Manufacturing	7.92	7.91	7.91	7.91	7.92	7.93	7.94	7.95
% Ch, Annual Rate	-0.5	-0.7	0.0	0.4	0.4	0.4	0.6	0.4
Nondurable Manufacturing	4.66	4.65	4.64	4.64	4.63	4.62	4.61	4.60
% Ch, Annual Rate	-0.7	-0.7	-0.5	-0.6	-0.6	-0.7	-0.8	-0.9
Construction	7.82	7.86	7.91	7.96	8.01	8.07	8.12	8.17
% Ch, Annual Rate	2.5	2.5	2.4	2.5	2.6	2.7	2.7	2.7
Service-Providing	133.50	133.71	133.91	134.09	134.26	134.42	134.55	134.68
% Ch, Annual Rate	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4
<b>Miscellaneous Indicators</b>								
Oil-WTI (\$ per barrel)	51.1	51.2	51.4	51.6	51.7	51.8	52.0	52.3
Personal Saving/Disposable Income (%)	7.4	7.4	7.5	7.5	7.6	7.7	7.7	7.7
Auto Sales (Millions)	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.0
% Ch, Annual Rate	0.8	0.5	1.4	3.1	2.3	2.1	3.5	2.3
Housing Starts (Millions)	1.305	1.308	1.308	1.309	1.310	1.309	1.309	1.309
% Ch, Annual Rate	7.5	0.9	0.0	0.3	0.3	-0.1	0.0	-0.2
Federal Budget Surplus (Billions)	-1,167.5	-1,171.0	-1,172.4	-1,171.7	-1,184.7	-1,184.1	-1,182.0	-1,183.7
Net Exports (Billions)	-472.2	-464.8	-457.2	-445.7	-431.8	-419.1	-407.8	-399.0
3-Month Treasury Bill Rate (%)	2.14	2.15	2.14	2.14	2.37	2.38	2.37	2.36
10-Year Treasury Note Yield (%)	3.08	3.13	3.17	3.20	3.22	3.24	3.23	3.23
Bond Index of 20 G.O. Munis. (%)	4.58	4.61	4.65	4.68	4.70	4.72	4.73	4.73
30-Year Fixed Mortgage Rate (%)	4.67	4.71	4.75	4.78	4.82	4.83	4.84	4.84

Table A1.3  
**Washington Economic Forecast Summary**  
Forecast 2019 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
<b>Real Income (Billions of Chained 2012 Dollars)</b>								
Real Personal Income	387.805	404.211	423.838	438.116	451.347	464.512	477.648	491.807
% Ch	4.0	4.2	4.9	3.4	3.0	2.9	2.8	3.0
Real Wage and Salary Disb.	195.037	205.585	219.383	227.949	234.527	240.962	247.867	255.871
% Ch	5.0	5.4	6.7	3.9	2.9	2.7	2.9	3.2
Real Nonwage Income	192.768	198.625	204.454	210.167	216.820	223.549	229.780	235.936
% Ch	3.0	3.0	2.9	2.8	3.2	3.1	2.8	2.7
Real Per Capita Income (\$/Person)	53,155	54,447	56,238	57,262	58,145	59,046	59,947	60,981
% Ch	2.1	2.4	3.3	1.8	1.5	1.5	1.5	1.7
<b>Price and Wage Indexes</b>								
U.S. Implicit Price Deflator, PCE (2012=1.0)	1.042	1.061	1.082	1.098	1.118	1.140	1.162	1.184
% Ch	1.1	1.8	2.0	1.5	1.8	1.9	1.9	1.9
Seattle Cons. Price Index (1982-84=1.0)	2.550	2.628	2.711	2.786	2.843	2.900	2.962	3.025
% Ch	2.3	3.0	3.2	2.8	2.0	2.0	2.1	2.1
Average Nonfarm Annual Wage	60,530	63,583	67,617	69,822	72,036	74,608	77,401	80,643
% Ch	3.0	5.0	6.3	3.3	3.2	3.6	3.7	4.2
Avg. Hourly Earnings-Mfg. (\$/Hour)	26.42	27.37	28.42	29.36	30.22	31.20	32.22	33.30
% Ch	3.5	3.6	3.8	3.3	2.9	3.2	3.3	3.4
<b>Current Dollar Income (Billions of Dollars)</b>								
Personal Income	404.232	428.765	458.727	481.149	504.734	529.440	554.930	582.435
% Ch	5.1	6.1	7.0	4.9	4.9	4.9	4.8	5.0
Disposable Personal Income	355.241	376.933	405.262	424.348	444.874	466.580	488.622	511.890
% Ch	5.3	6.1	7.5	4.7	4.8	4.9	4.7	4.8
Per Capita Income (\$/Person)	55,405	57,753	60,866	62,884	65,022	67,298	69,645	72,217
% Ch	3.2	4.2	5.4	3.3	3.4	3.5	3.5	3.7
<b>Employment (Thousands)</b>								
Washington Civilian Labor Force	3,643.9	3,719.3	3,790.5	3,880.9	3,950.1	4,005.7	4,057.3	4,104.2
Total Washington Employment	3,451.3	3,543.9	3,620.3	3,703.4	3,766.9	3,814.0	3,859.5	3,901.5
Unemployment Rate (%)	5.29	4.72	4.49	4.57	4.64	4.79	4.88	4.94
Nonfarm Payroll Employment	3,242.8	3,321.2	3,404.8	3,478.2	3,532.9	3,572.8	3,611.9	3,649.0
% Ch	3.1	2.4	2.5	2.2	1.6	1.1	1.1	1.0
Manufacturing	290.4	284.2	287.5	292.3	292.2	292.1	293.5	296.3
% Ch	-0.7	-2.1	1.2	1.7	0.0	0.0	0.5	0.9
Durable Manufacturing	207.7	200.3	202.1	206.1	206.5	206.6	207.8	210.3
% Ch	-1.7	-3.5	0.9	2.0	0.2	0.0	0.6	1.2
Aerospace	91.0	84.2	84.0	87.6	87.8	87.8	87.8	87.8
% Ch	-3.2	-7.5	-0.3	4.3	0.3	0.0	0.0	0.0
Nondurable Manufacturing	82.7	83.9	85.4	86.2	85.7	85.5	85.7	86.0
% Ch	2.0	1.4	1.8	0.8	-0.6	-0.2	0.2	0.3
Construction	186.6	199.8	213.4	222.2	219.8	217.6	216.9	217.3
% Ch	7.7	7.0	6.8	4.1	-1.0	-1.0	-0.3	0.2
Service-Providing	2,759.5	2,831.0	2,897.5	2,957.4	3,014.4	3,056.7	3,095.0	3,128.9
% Ch	3.2	2.6	2.4	2.1	1.9	1.4	1.3	1.1
Software Publishers	58.9	61.4	65.3	68.2	68.8	69.7	70.8	72.0
% Ch	5.3	4.2	6.4	4.5	0.9	1.3	1.5	1.7
Electronic Shopping and Mail-Order	38.2	49.7	54.8	60.1	63.2	65.6	67.6	69.3
% Ch	26.6	30.1	10.3	9.6	5.2	3.8	3.0	2.5
<b>Housing Indicators (Thousands)</b>								
Housing Units Authorized by Bldg. Permit	44.077	45.794	47.356	43.725	42.021	41.805	42.095	41.769
% Ch	9.2	3.9	3.4	-7.7	-3.9	-0.5	0.7	-0.8
Single-Family	22.463	23.115	23.356	21.998	22.906	23.279	24.054	24.141
% Ch	13.5	2.9	1.0	-5.8	4.1	1.6	3.3	0.4
Multi-Family	21.614	22.679	24.000	21.727	19.114	18.527	18.042	17.628
% Ch	5.0	4.9	5.8	-9.5	-12.0	-3.1	-2.6	-2.3
30-Year Fixed Mortgage Rate (%)	3.65	3.99	4.54	4.13	4.25	4.55	4.73	4.83

Table A1.4  
**Washington Economic Forecast Summary**  
Forecast 2019 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
<b>Real Income (Billions of Chained 2012 Dollars)</b>								
Real Personal Income	419.875	421.254	424.441	429.781	434.565	436.250	439.108	442.542
% Ch, Annual Rate	9.5	1.3	3.1	5.1	4.5	1.6	2.6	3.2
Real Wage and Salary Disb.	217.736	217.680	219.459	222.657	226.257	226.661	228.525	230.353
% Ch, Annual Rate	17.5	-0.1	3.3	6.0	6.6	0.7	3.3	3.2
Real Nonwage Income	202.138	203.573	204.982	207.124	208.308	209.589	210.583	212.188
% Ch, Annual Rate	1.6	2.9	2.8	4.2	2.3	2.5	1.9	3.1
Real Per Capita Income (\$/Person)	56,024	56,007	56,215	56,708	57,121	57,124	57,283	57,518
% Ch, Annual Rate	8.0	-0.1	1.5	3.6	2.9	0.0	1.1	1.7
<b>Price and Wage Indexes</b>								
U.S. Implicit Price Deflator, PCE (2012=1.0)	1.075	1.080	1.085	1.089	1.090	1.096	1.101	1.106
% Ch, Annual Rate	2.5	2.0	1.6	1.5	0.4	2.5	1.7	1.6
Seattle Cons. Price Index (1982-84=1.0)	2.687	2.703	2.715	2.740	2.758	2.783	2.796	2.809
% Ch, Annual Rate	3.8	2.4	1.9	3.6	2.7	3.7	1.9	1.8
Average Nonfarm Annual Wage	67,137	67,178	67,648	68,507	69,269	69,435	70,005	70,579
% Ch, Annual Rate	16.5	0.2	2.8	5.2	4.5	1.0	3.3	3.3
Avg. Hourly Earnings-Mfg. (\$/Hour)	27.95	28.36	28.52	28.84	29.19	29.20	29.41	29.64
% Ch, Annual Rate	1.8	5.9	2.3	4.6	5.0	0.1	2.8	3.1
<b>Current Dollar Income (Billions of Dollars)</b>								
Personal Income	451.449	455.158	460.392	467.906	473.560	478.310	483.484	489.240
% Ch, Annual Rate	12.2	3.3	4.7	6.7	4.9	4.1	4.4	4.8
Disposable Personal Income	398.535	402.122	406.553	413.838	418.170	421.697	426.232	431.292
% Ch, Annual Rate	14.2	3.6	4.5	7.4	4.3	3.4	4.4	4.8
Per Capita Income (\$/Person)	60,237	60,515	60,976	61,738	62,247	62,631	63,072	63,588
% Ch, Annual Rate	10.6	1.9	3.1	5.1	3.3	2.5	2.8	3.3
<b>Employment (Thousands)</b>								
Washington Civilian Labor Force	3,759.0	3,777.4	3,802.5	3,823.0	3,849.0	3,874.9	3,892.0	3,907.7
Total Washington Employment	3,585.7	3,607.7	3,634.8	3,652.9	3,673.8	3,694.7	3,714.1	3,730.8
Unemployment Rate (%)	4.61	4.49	4.41	4.45	4.55	4.65	4.57	4.53
Nonfarm Payroll Employment	3,381.6	3,394.3	3,411.1	3,432.2	3,452.8	3,471.9	3,487.0	3,501.0
% Ch, Annual Rate	3.8	1.5	2.0	2.5	2.4	2.2	1.8	1.6
Manufacturing	284.8	285.9	288.0	291.4	292.2	292.1	292.1	292.8
% Ch, Annual Rate	3.2	1.5	3.0	4.8	1.1	-0.1	-0.1	1.0
Durable Manufacturing	199.6	200.9	202.8	205.0	205.8	205.9	206.0	206.7
% Ch, Annual Rate	2.8	2.5	3.8	4.4	1.6	0.3	0.2	1.4
Aerospace	82.3	83.0	84.6	86.0	86.8	87.8	87.8	87.8
% Ch, Annual Rate	2.3	3.6	8.0	6.9	3.8	4.7	0.0	0.0
Nondurable Manufacturing	85.2	85.0	85.2	86.4	86.4	86.2	86.0	86.0
% Ch, Annual Rate	4.0	-0.8	1.2	5.5	0.0	-0.9	-0.7	-0.1
Construction	209.7	211.9	213.7	218.5	220.9	223.5	222.4	221.9
% Ch, Annual Rate	10.5	4.4	3.5	9.2	4.5	4.8	-2.0	-0.8
Service-Providing	2,880.8	2,890.2	2,903.0	2,916.0	2,933.3	2,950.0	2,966.2	2,980.0
% Ch, Annual Rate	3.4	1.3	1.8	1.8	2.4	2.3	2.2	1.9
Software Publishers	63.5	64.7	66.0	67.0	67.5	68.5	68.5	68.5
% Ch, Annual Rate	7.0	7.9	8.0	6.5	2.9	5.7	0.1	0.2
Electronic Shopping and Mail-Order	54.3	54.3	54.2	56.4	58.7	59.7	60.6	61.4
% Ch, Annual Rate	6.8	0.1	-0.8	16.9	17.1	7.1	6.2	5.6
<b>Housing Indicators (Thousands)</b>								
Housing Units Authorized by Bldg. Permit	52.763	45.589	42.426	48.646	43.753	47.979	41.593	41.576
% Ch, Annual Rate	16.7	-44.3	-25.0	72.9	-34.6	44.6	-43.5	-0.2
Single-Family	24.680	23.029	23.288	22.427	21.060	22.389	22.193	22.350
% Ch, Annual Rate	1.9	-24.2	4.6	-14.0	-22.2	27.7	-3.5	2.9
Multi-Family	28.083	22.560	19.137	26.219	22.693	25.590	19.400	19.226
% Ch, Annual Rate	32.0	-58.4	-48.2	252.3	-43.9	61.7	-67.0	-3.5
30-Year Fixed Mortgage Rate (%)	4.27	4.54	4.57	4.78	4.38	4.08	4.03	4.03



Table A1.4 (continued)  
**Washington Economic Forecast Summary**  
Forecast 2019 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
<b>Real Income (Billions of Chained 2012 Dollars)</b>								
Real Personal Income	446.050	449.899	453.185	456.254	459.891	462.960	466.043	469.152
% Ch, Annual Rate	3.2	3.5	3.0	2.7	3.2	2.7	2.7	2.7
Real Wage and Salary Disb.	231.980	233.985	235.317	236.824	238.559	240.158	241.766	243.367
% Ch, Annual Rate	2.9	3.5	2.3	2.6	3.0	2.7	2.7	2.7
Real Nonwage Income	214.069	215.914	217.868	219.430	221.333	222.802	224.277	225.785
% Ch, Annual Rate	3.6	3.5	3.7	2.9	3.5	2.7	2.7	2.7
Real Per Capita Income (\$/Person)	57,765	58,058	58,281	58,477	58,747	58,945	59,144	59,347
% Ch, Annual Rate	1.7	2.0	1.5	1.4	1.9	1.4	1.4	1.4
<b>Price and Wage Indexes</b>								
U.S. Implicit Price Deflator, PCE (2012=1.0)	1.111	1.116	1.121	1.126	1.132	1.137	1.142	1.148
% Ch, Annual Rate	1.9	1.8	1.8	1.9	2.0	2.0	1.9	2.0
Seattle Cons. Price Index (1982-84=1.0)	2.824	2.836	2.849	2.862	2.878	2.893	2.908	2.923
% Ch, Annual Rate	2.1	1.8	1.9	1.8	2.2	2.2	2.1	2.1
Average Nonfarm Annual Wage	71,151	71,716	72,322	72,954	73,639	74,283	74,926	75,586
% Ch, Annual Rate	3.3	3.2	3.4	3.5	3.8	3.5	3.5	3.6
Avg. Hourly Earnings-Mfg. (\$/Hour)	29.86	30.11	30.33	30.57	30.82	31.07	31.32	31.57
% Ch, Annual Rate	3.1	3.3	3.0	3.2	3.3	3.2	3.3	3.2
<b>Current Dollar Income (Billions of Dollars)</b>								
Personal Income	495.433	501.949	507.868	513.686	520.372	526.398	532.414	538.574
% Ch, Annual Rate	5.2	5.4	4.8	4.7	5.3	4.7	4.7	4.7
Disposable Personal Income	436.703	442.400	447.640	452.752	458.698	463.973	469.168	474.482
% Ch, Annual Rate	5.1	5.3	4.8	4.6	5.4	4.7	4.6	4.6
Per Capita Income (\$/Person)	64,161	64,775	65,313	65,838	66,473	67,022	67,567	68,129
% Ch, Annual Rate	3.7	3.9	3.4	3.3	3.9	3.3	3.3	3.4
<b>Employment (Thousands)</b>								
Washington Civilian Labor Force	3,925.6	3,946.9	3,957.4	3,970.7	3,985.1	3,999.1	4,012.7	4,026.1
Total Washington Employment	3,745.9	3,765.0	3,772.9	3,783.9	3,796.2	3,808.2	3,820.0	3,831.5
Unemployment Rate (%)	4.58	4.61	4.66	4.70	4.74	4.77	4.80	4.83
Nonfarm Payroll Employment	3,513.8	3,532.3	3,538.5	3,547.0	3,557.5	3,567.8	3,577.9	3,587.9
% Ch, Annual Rate	1.5	2.1	0.7	1.0	1.2	1.2	1.1	1.1
Manufacturing	293.0	292.3	291.9	291.7	291.9	292.0	292.2	292.3
% Ch, Annual Rate	0.3	-0.9	-0.5	-0.2	0.2	0.2	0.2	0.2
Durable Manufacturing	207.1	206.5	206.3	206.3	206.4	206.6	206.7	206.8
% Ch, Annual Rate	0.6	-1.0	-0.5	0.0	0.3	0.3	0.2	0.3
Aerospace	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nondurable Manufacturing	85.9	85.8	85.6	85.5	85.5	85.5	85.5	85.5
% Ch, Annual Rate	-0.5	-0.8	-0.7	-0.6	0.0	0.0	0.1	0.2
Construction	220.6	220.1	219.6	219.1	218.3	217.5	217.2	217.2
% Ch, Annual Rate	-2.3	-0.8	-1.0	-1.0	-1.3	-1.4	-0.6	0.0
Service-Providing	2,993.7	3,013.4	3,020.6	3,029.8	3,040.8	3,051.8	3,062.1	3,071.9
% Ch, Annual Rate	1.9	2.7	0.9	1.2	1.5	1.5	1.4	1.3
Software Publishers	68.6	68.7	68.9	69.1	69.4	69.6	69.8	70.1
% Ch, Annual Rate	0.7	0.6	1.0	1.3	1.3	1.4	1.4	1.4
Electronic Shopping and Mail-Order	62.2	62.9	63.6	64.2	64.8	65.4	65.9	66.4
% Ch, Annual Rate	5.1	4.7	4.3	4.0	3.7	3.5	3.3	3.1
<b>Housing Indicators (Thousands)</b>								
Housing Units Authorized by Bldg. Permit	41.731	41.926	42.191	42.236	41.660	41.751	41.871	41.939
% Ch, Annual Rate	1.5	1.9	2.6	0.4	-5.3	0.9	1.1	0.6
Single-Family	22.570	22.742	23.043	23.270	23.007	23.121	23.351	23.635
% Ch, Annual Rate	4.0	3.1	5.4	4.0	-4.4	2.0	4.1	4.9
Multi-Family	19.161	19.184	19.148	18.965	18.653	18.631	18.519	18.304
% Ch, Annual Rate	-1.3	0.5	-0.8	-3.7	-6.4	-0.5	-2.4	-4.6
30-Year Fixed Mortgage Rate (%)	4.11	4.21	4.30	4.38	4.46	4.53	4.59	4.63

Table A1.4 (continued)  
**Washington Economic Forecast Summary**  
Forecast 2019 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
<b>Real Income (Billions of Chained 2012 Dollars)</b>								
Real Personal Income	472.728	475.983	479.251	482.629	486.604	490.048	493.529	497.046
% Ch, Annual Rate	3.1	2.8	2.8	2.8	3.3	2.9	2.9	2.9
Real Wage and Salary Disb.	245.112	246.902	248.755	250.701	252.823	254.860	256.885	258.916
% Ch, Annual Rate	2.9	3.0	3.0	3.2	3.4	3.3	3.2	3.2
Real Nonwage Income	227.617	229.081	230.496	231.928	233.781	235.189	236.644	238.130
% Ch, Annual Rate	3.3	2.6	2.5	2.5	3.2	2.4	2.5	2.5
Real Per Capita Income (\$/Person)	59,609	59,831	60,054	60,292	60,605	60,852	61,105	61,363
% Ch, Annual Rate	1.8	1.5	1.5	1.6	2.1	1.6	1.7	1.7
<b>Price and Wage Indexes</b>								
U.S. Implicit Price Deflator, PCE (2012=1.0)	1.153	1.159	1.164	1.170	1.176	1.181	1.187	1.193
% Ch, Annual Rate	1.9	1.9	1.9	1.9	2.0	1.9	1.9	2.0
Seattle Cons. Price Index (1982-84=1.0)	2.939	2.954	2.970	2.985	3.001	3.017	3.033	3.049
% Ch, Annual Rate	2.1	2.1	2.1	2.1	2.2	2.0	2.2	2.2
Average Nonfarm Annual Wage	76,293	77,011	77,759	78,540	79,380	80,206	81,058	81,930
% Ch, Annual Rate	3.8	3.8	3.9	4.1	4.3	4.2	4.3	4.4
Avg. Hourly Earnings-Mfg. (\$/Hour)	31.83	32.09	32.35	32.61	32.89	33.16	33.44	33.73
% Ch, Annual Rate	3.3	3.3	3.2	3.3	3.4	3.4	3.4	3.4
<b>Current Dollar Income (Billions of Dollars)</b>								
Personal Income	545.273	551.653	558.083	564.712	572.126	578.902	585.835	592.878
% Ch, Annual Rate	5.1	4.8	4.7	4.8	5.4	4.8	4.9	4.9
Disposable Personal Income	480.367	485.852	491.316	496.954	503.267	508.943	514.738	520.612
% Ch, Annual Rate	5.1	4.6	4.6	4.7	5.2	4.6	4.6	4.6
Per Capita Income (\$/Person)	68,757	69,343	69,933	70,546	71,256	71,885	72,533	73,194
% Ch, Annual Rate	3.7	3.5	3.4	3.6	4.1	3.6	3.7	3.7
<b>Employment (Thousands)</b>								
Washington Civilian Labor Force	4,038.8	4,051.3	4,063.4	4,075.5	4,087.4	4,098.9	4,109.9	4,120.7
Total Washington Employment	3,842.6	3,854.1	3,865.1	3,876.1	3,886.8	3,897.0	3,906.5	3,915.7
Unemployment Rate (%)	4.86	4.87	4.88	4.89	4.91	4.92	4.95	4.97
Nonfarm Payroll Employment	3,597.2	3,607.2	3,616.7	3,626.5	3,636.1	3,645.2	3,653.4	3,661.3
% Ch, Annual Rate	1.0	1.1	1.1	1.1	1.1	1.0	0.9	0.9
Manufacturing	292.7	293.1	293.8	294.5	295.3	296.0	296.7	297.2
% Ch, Annual Rate	0.5	0.5	0.9	1.0	1.1	1.0	0.8	0.7
Durable Manufacturing	207.1	207.5	208.0	208.7	209.4	210.1	210.7	211.2
% Ch, Annual Rate	0.7	0.6	1.0	1.3	1.4	1.3	1.1	1.0
Aerospace	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nondurable Manufacturing	85.6	85.7	85.8	85.8	85.9	86.0	86.0	86.0
% Ch, Annual Rate	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.1
Construction	217.0	217.0	216.8	216.9	217.0	217.2	217.4	217.7
% Ch, Annual Rate	-0.5	0.1	-0.4	0.2	0.3	0.3	0.4	0.4
Service-Providing	3,081.1	3,090.6	3,099.7	3,108.6	3,117.3	3,125.4	3,132.8	3,139.9
% Ch, Annual Rate	1.2	1.2	1.2	1.2	1.1	1.0	1.0	0.9
Software Publishers	70.4	70.6	70.9	71.2	71.5	71.8	72.1	72.5
% Ch, Annual Rate	1.5	1.6	1.6	1.7	1.8	1.7	1.7	1.7
Electronic Shopping and Mail-Order	66.9	67.4	67.8	68.2	68.7	69.1	69.5	69.9
% Ch, Annual Rate	2.9	2.8	2.7	2.6	2.5	2.4	2.4	2.3
<b>Housing Indicators (Thousands)</b>								
Housing Units Authorized by Bldg. Permit	42.202	42.137	42.054	41.990	41.937	41.836	41.727	41.577
% Ch, Annual Rate	2.5	-0.6	-0.8	-0.6	-0.5	-1.0	-1.0	-1.4
Single-Family	23.974	24.066	24.076	24.097	24.121	24.123	24.149	24.171
% Ch, Annual Rate	5.9	1.5	0.2	0.3	0.4	0.0	0.4	0.4
Multi-Family	18.227	18.070	17.977	17.893	17.815	17.713	17.578	17.406
% Ch, Annual Rate	-1.7	-3.4	-2.0	-1.9	-1.7	-2.3	-3.0	-3.8
30-Year Fixed Mortgage Rate (%)	4.67	4.71	4.75	4.78	4.82	4.83	4.84	4.84

Table A2.1

**U.S. Nonagricultural Employment by Industry (Millions)**

Forecast 2019 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
Nonfarm Payroll Employment	144.35	146.61	149.06	151.57	153.23	154.09	155.02	155.90
% Ch	1.8	1.6	1.7	1.7	1.1	0.6	0.6	0.6
Manufacturing	12.35	12.44	12.69	12.84	12.77	12.64	12.56	12.55
% Ch	0.1	0.7	2.0	1.2	-0.5	-1.1	-0.6	0.0
Durable Manufacturing	7.71	7.74	7.94	8.06	8.04	7.96	7.91	7.94
% Ch	-0.7	0.3	2.7	1.5	-0.2	-1.1	-0.6	0.3
Wood Products	0.39	0.40	0.41	0.41	0.42	0.44	0.45	0.47
% Ch	2.7	1.1	2.4	1.4	2.9	3.1	3.8	3.6
Primary and Fabricated Metals	1.80	1.80	1.84	1.87	1.86	1.83	1.83	1.87
% Ch	-3.0	0.0	2.7	1.3	-0.3	-1.9	-0.1	2.2
Computer and Electronic Products	1.05	1.04	1.06	1.08	1.07	1.08	1.09	1.09
% Ch	-0.5	-0.9	1.6	2.1	-0.3	0.4	0.7	0.8
Machinery and Electrical Equipment	1.46	1.47	1.52	1.55	1.55	1.56	1.57	1.60
% Ch	-3.0	0.4	3.7	1.9	0.4	0.2	0.8	1.8
Transportation Equipment	1.63	1.64	1.70	1.73	1.70	1.65	1.59	1.52
% Ch	1.6	0.8	3.6	1.5	-1.6	-2.7	-3.9	-4.4
Other Durables	1.39	1.40	1.42	1.43	1.43	1.41	1.39	1.39
% Ch	1.3	0.9	1.3	0.7	0.1	-1.6	-1.3	0.2
Nondurable Manufacturing	4.64	4.70	4.74	4.77	4.73	4.68	4.65	4.61
% Ch	1.5	1.3	0.9	0.6	-1.0	-1.1	-0.7	-0.7
Food Manufacturing	1.56	1.60	1.62	1.64	1.65	1.66	1.68	1.69
% Ch	3.0	2.7	1.3	1.2	0.8	0.8	0.9	0.6
Paper and Paper Products	0.37	0.37	0.37	0.37	0.36	0.35	0.35	0.34
% Ch	-0.5	-1.2	0.2	0.1	-2.3	-2.3	-1.4	-0.8
Other Nondurables	2.71	2.73	2.76	2.77	2.72	2.66	2.62	2.58
% Ch	1.0	0.9	0.8	0.4	-1.8	-2.0	-1.6	-1.5
Natural Resources and Mining	0.67	0.68	0.73	0.75	0.76	0.76	0.77	0.78
% Ch	-17.8	1.1	8.3	2.9	0.6	0.6	1.5	1.1
Construction	6.73	6.97	7.29	7.51	7.60	7.72	7.89	8.09
% Ch	4.1	3.6	4.6	3.1	1.1	1.5	2.2	2.6
Trade, Transportation, and Utilities	27.20	27.40	27.65	27.87	27.76	27.57	27.35	27.13
% Ch	1.4	0.7	0.9	0.8	-0.4	-0.7	-0.8	-0.8
Wholesale Trade	5.79	5.81	5.85	5.95	5.98	5.99	6.00	6.00
% Ch	0.1	0.5	0.7	1.6	0.5	0.2	0.1	0.1
Retail Trade	15.84	15.84	15.82	15.80	15.68	15.51	15.32	15.13
% Ch	1.4	0.0	-0.1	-0.1	-0.8	-1.1	-1.2	-1.3
Trans., Warehousing, and Utilities	5.57	5.75	5.97	6.12	6.11	6.07	6.03	5.99
% Ch	2.6	3.1	3.9	2.5	-0.3	-0.6	-0.7	-0.6
Information	2.79	2.81	2.83	2.81	2.78	2.84	2.85	2.91
% Ch	1.6	0.7	0.5	-0.7	-1.1	2.3	0.5	2.1
Publishing Industries	0.73	0.73	0.73	0.72	0.68	0.66	0.64	0.63
% Ch	0.5	-0.2	0.5	-1.4	-5.6	-3.5	-2.4	-1.5
Other Information	2.06	2.08	2.09	2.08	2.09	2.18	2.21	2.28
% Ch	1.9	1.0	0.5	-0.5	0.5	4.1	1.4	3.1
Financial Activities	8.29	8.45	8.57	8.66	8.70	8.72	8.74	8.71
% Ch	2.0	2.0	1.4	1.1	0.4	0.3	0.2	-0.3
Professional and Business Services	20.11	20.51	21.00	21.61	22.57	23.27	23.85	24.47
% Ch	2.1	2.0	2.4	2.9	4.4	3.1	2.5	2.6
Education and Health Services	22.64	23.19	23.67	24.20	24.38	24.58	24.68	24.72
% Ch	2.8	2.4	2.1	2.3	0.7	0.8	0.4	0.2
Leisure and Hospitality	15.66	16.05	16.35	16.82	17.19	17.26	17.48	17.57
% Ch	3.3	2.5	1.9	2.8	2.2	0.4	1.3	0.5
Other Services	5.69	5.77	5.84	5.93	5.88	5.83	5.78	5.73
% Ch	1.2	1.4	1.3	1.4	-0.8	-0.7	-0.9	-0.9
Federal Government	2.79	2.80	2.80	2.81	2.94	2.81	2.81	2.81
% Ch	1.4	0.4	-0.3	0.5	4.5	-4.2	0.0	0.0
State and Local Government	19.44	19.55	19.65	19.76	19.92	20.09	20.26	20.42
% Ch	0.9	0.6	0.5	0.6	0.8	0.8	0.8	0.8

Table A2.2

**U.S. Nonagricultural Employment by Industry (Millions)**

Forecast 2019 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Nonfarm Payroll Employment	148.05	148.74	149.41	150.06	150.69	151.36	151.91	152.32
% Ch, Annual Rate	1.8	1.9	1.8	1.7	1.7	1.8	1.5	1.1
Manufacturing	12.59	12.66	12.72	12.79	12.83	12.85	12.82	12.83
% Ch, Annual Rate	2.3	2.3	1.9	2.2	1.4	0.6	-0.8	0.3
Durable Manufacturing	7.86	7.92	7.97	8.02	8.06	8.07	8.05	8.07
% Ch, Annual Rate	3.4	3.0	2.7	2.4	1.8	0.6	-0.7	0.9
Wood Products	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.42
% Ch, Annual Rate	6.1	2.4	1.6	0.2	1.6	1.5	1.1	3.5
Primary and Fabricated Metals	1.83	1.84	1.85	1.86	1.87	1.87	1.87	1.88
% Ch, Annual Rate	3.5	3.1	2.7	1.2	2.0	0.0	-0.4	2.1
Computer and Electronic Products	1.05	1.05	1.06	1.06	1.07	1.08	1.08	1.08
% Ch, Annual Rate	1.2	1.9	1.9	2.2	3.6	1.3	1.5	-0.6
Machinery and Electrical Equipment	1.49	1.51	1.53	1.54	1.54	1.54	1.54	1.56
% Ch, Annual Rate	3.8	5.3	3.6	2.8	1.5	-0.1	-0.2	4.0
Transportation Equipment	1.68	1.69	1.71	1.73	1.74	1.74	1.73	1.71
% Ch, Annual Rate	4.9	3.3	4.0	4.5	1.8	1.4	-3.8	-3.3
Other Durables	1.41	1.41	1.42	1.42	1.43	1.43	1.43	1.43
% Ch, Annual Rate	2.2	1.1	1.0	1.8	0.3	0.3	-0.1	1.4
Nondurable Manufacturing	4.73	4.74	4.74	4.77	4.77	4.78	4.77	4.76
% Ch, Annual Rate	0.5	1.0	0.6	1.8	0.8	0.7	-0.9	-0.6
Food Manufacturing	1.61	1.62	1.62	1.63	1.63	1.64	1.64	1.65
% Ch, Annual Rate	1.1	1.5	0.6	2.5	0.8	1.0	-0.2	2.4
Paper and Paper Products	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.36
% Ch, Annual Rate	-0.1	1.8	2.5	1.8	0.4	-1.8	-2.4	-1.6
Other Nondurables	2.75	2.75	2.76	2.77	2.77	2.78	2.77	2.75
% Ch, Annual Rate	0.3	0.7	0.3	1.3	0.8	0.8	-1.2	-2.2
Natural Resources and Mining	0.71	0.73	0.74	0.75	0.76	0.75	0.75	0.75
% Ch, Annual Rate	9.6	13.3	6.6	5.5	3.4	-3.7	1.0	0.8
Construction	7.18	7.26	7.33	7.39	7.45	7.50	7.54	7.57
% Ch, Annual Rate	6.7	4.8	4.0	3.1	3.3	3.0	1.8	1.5
Trade, Transportation, and Utilities	27.55	27.61	27.68	27.76	27.83	27.86	27.91	27.89
% Ch, Annual Rate	1.2	0.9	0.9	1.2	0.9	0.5	0.7	-0.2
Wholesale Trade	5.83	5.83	5.86	5.89	5.92	5.93	5.96	5.97
% Ch, Annual Rate	0.5	-0.1	2.4	1.8	1.9	1.1	1.8	0.8
Retail Trade	15.83	15.84	15.82	15.81	15.82	15.82	15.80	15.78
% Ch, Annual Rate	0.2	0.3	-0.5	-0.1	0.0	0.1	-0.4	-0.6
Trans., Warehousing, and Utilities	5.90	5.95	5.99	6.06	6.09	6.11	6.15	6.14
% Ch, Annual Rate	4.4	3.5	3.2	4.4	2.2	1.0	2.6	-0.3
Information	2.82	2.83	2.83	2.83	2.81	2.82	2.81	2.78
% Ch, Annual Rate	-0.1	2.1	-0.5	0.4	-2.3	0.5	-0.9	-3.6
Publishing Industries	0.73	0.73	0.73	0.73	0.73	0.73	0.72	0.71
% Ch, Annual Rate	0.8	0.4	0.6	0.1	0.2	-0.5	-7.5	-7.3
Other Information	2.08	2.10	2.09	2.10	2.08	2.08	2.09	2.08
% Ch, Annual Rate	-0.4	2.6	-0.9	0.5	-3.2	0.9	1.5	-2.3
Financial Activities	8.52	8.55	8.58	8.61	8.63	8.65	8.69	8.68
% Ch, Annual Rate	1.4	1.5	1.4	1.4	0.7	1.0	1.8	-0.4
Professional and Business Services	20.77	20.93	21.07	21.22	21.30	21.53	21.67	21.95
% Ch, Annual Rate	2.2	3.0	2.8	2.8	1.6	4.4	2.6	5.3
Education and Health Services	23.48	23.59	23.74	23.86	24.02	24.16	24.30	24.33
% Ch, Annual Rate	2.3	1.9	2.6	2.0	2.7	2.4	2.4	0.5
Leisure and Hospitality	16.23	16.30	16.38	16.50	16.66	16.76	16.88	16.97
% Ch, Annual Rate	1.5	1.8	2.0	2.9	4.0	2.4	2.9	2.2
Other Services	5.81	5.84	5.85	5.87	5.90	5.93	5.95	5.92
% Ch, Annual Rate	0.8	2.2	0.8	1.2	1.8	2.0	1.7	-1.9
Federal Government	2.79	2.79	2.80	2.80	2.80	2.81	2.81	2.81
% Ch, Annual Rate	-0.8	0.1	0.4	0.5	0.0	1.5	0.0	0.0
State and Local Government	19.60	19.64	19.69	19.68	19.71	19.75	19.78	19.82
% Ch, Annual Rate	0.4	0.8	0.9	0.0	0.5	0.7	0.6	0.9

Table A2.2 (continued)

**U.S. Nonagricultural Employment by Industry (Millions)**

Forecast 2019 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Nonfarm Payroll Employment	152.74	153.29	153.37	153.51	153.73	153.98	154.21	154.44
% Ch, Annual Rate	1.1	1.5	0.2	0.4	0.6	0.6	0.6	0.6
Manufacturing	12.84	12.80	12.74	12.70	12.67	12.65	12.62	12.59
% Ch, Annual Rate	0.3	-1.5	-1.7	-1.3	-0.8	-0.8	-0.8	-0.9
Durable Manufacturing	8.09	8.06	8.02	8.00	7.98	7.97	7.95	7.93
% Ch, Annual Rate	1.1	-1.6	-1.9	-1.2	-0.7	-0.7	-0.8	-1.1
Wood Products	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.44
% Ch, Annual Rate	4.8	1.8	2.3	2.6	4.5	3.4	2.4	2.4
Primary and Fabricated Metals	1.88	1.87	1.86	1.85	1.84	1.83	1.82	1.82
% Ch, Annual Rate	0.8	-2.5	-2.0	-2.5	-1.6	-1.9	-1.7	-1.1
Computer and Electronic Products	1.08	1.07	1.07	1.07	1.08	1.08	1.08	1.08
% Ch, Annual Rate	-0.6	-1.6	-0.3	0.4	0.8	0.7	0.7	0.6
Machinery and Electrical Equipment	1.56	1.55	1.55	1.55	1.55	1.56	1.56	1.56
% Ch, Annual Rate	1.3	-2.6	-1.2	0.4	0.9	0.6	0.5	0.5
Transportation Equipment	1.72	1.71	1.69	1.68	1.67	1.66	1.65	1.64
% Ch, Annual Rate	1.5	-0.8	-5.2	-2.8	-2.9	-1.6	-1.8	-3.6
Other Durables	1.44	1.43	1.43	1.42	1.42	1.41	1.40	1.39
% Ch, Annual Rate	1.1	-1.2	-1.0	-1.7	-1.4	-1.9	-2.2	-2.0
Nondurable Manufacturing	4.75	4.73	4.72	4.70	4.69	4.68	4.67	4.66
% Ch, Annual Rate	-1.0	-1.4	-1.4	-1.4	-0.9	-0.9	-0.8	-0.7
Food Manufacturing	1.65	1.65	1.65	1.65	1.66	1.66	1.67	1.67
% Ch, Annual Rate	1.1	0.2	0.0	0.0	1.5	1.0	1.3	1.0
Paper and Paper Products	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35
% Ch, Annual Rate	-2.5	-2.6	-2.6	-2.8	-2.3	-1.8	-1.8	-1.5
Other Nondurables	2.74	2.72	2.71	2.70	2.68	2.67	2.66	2.64
% Ch, Annual Rate	-2.0	-2.2	-2.0	-2.0	-2.2	-1.9	-1.9	-1.7
Natural Resources and Mining	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.77
% Ch, Annual Rate	0.6	1.4	1.0	0.2	-0.3	0.5	1.9	1.8
Construction	7.57	7.58	7.60	7.64	7.67	7.70	7.73	7.77
% Ch, Annual Rate	0.3	0.7	1.0	1.9	1.8	1.3	1.6	2.1
Trade, Transportation, and Utilities	27.82	27.78	27.75	27.68	27.64	27.61	27.54	27.48
% Ch, Annual Rate	-1.0	-0.6	-0.5	-1.0	-0.5	-0.5	-1.0	-1.0
Wholesale Trade	5.97	5.97	5.98	5.98	5.98	5.99	5.99	5.99
% Ch, Annual Rate	0.1	-0.2	0.4	0.3	0.2	0.2	0.2	0.1
Retail Trade	15.73	15.70	15.67	15.61	15.58	15.55	15.48	15.43
% Ch, Annual Rate	-1.3	-0.7	-0.8	-1.6	-0.8	-0.8	-1.6	-1.4
Trans., Warehousing, and Utilities	6.12	6.11	6.10	6.09	6.08	6.08	6.07	6.06
% Ch, Annual Rate	-1.2	-0.8	-0.6	-0.6	-0.5	-0.5	-0.6	-0.8
Information	2.77	2.77	2.78	2.78	2.82	2.84	2.85	2.85
% Ch, Annual Rate	-1.9	-0.4	2.0	0.0	5.2	3.3	1.2	-0.2
Publishing Industries	0.69	0.68	0.68	0.67	0.67	0.66	0.66	0.65
% Ch, Annual Rate	-5.7	-5.8	-4.4	-3.3	-3.2	-3.1	-2.9	-2.8
Other Information	2.08	2.08	2.11	2.11	2.15	2.18	2.19	2.20
% Ch, Annual Rate	-0.6	1.5	4.2	1.1	8.0	5.3	2.5	0.6
Financial Activities	8.69	8.69	8.70	8.71	8.71	8.71	8.72	8.74
% Ch, Annual Rate	0.4	0.1	0.4	0.4	0.2	0.1	0.6	0.6
Professional and Business Services	22.25	22.46	22.66	22.88	23.08	23.20	23.33	23.46
% Ch, Annual Rate	5.6	3.8	3.6	4.0	3.4	2.2	2.2	2.2
Education and Health Services	24.35	24.34	24.39	24.44	24.51	24.57	24.62	24.64
% Ch, Annual Rate	0.2	-0.1	0.8	0.9	1.2	0.9	0.8	0.4
Leisure and Hospitality	17.06	17.17	17.27	17.26	17.17	17.21	17.28	17.37
% Ch, Annual Rate	2.3	2.5	2.2	-0.1	-2.0	0.8	1.6	2.2
Other Services	5.90	5.88	5.87	5.86	5.85	5.84	5.83	5.81
% Ch, Annual Rate	-1.6	-1.2	-0.7	-0.8	-0.5	-0.6	-0.9	-1.0
Federal Government	2.86	3.16	2.90	2.81	2.81	2.81	2.81	2.81
% Ch, Annual Rate	7.8	48.9	-29.0	-12.2	0.0	0.0	0.0	0.0
State and Local Government	19.86	19.90	19.94	19.99	20.03	20.07	20.11	20.15
% Ch, Annual Rate	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Table A2.2 (continued)

**U.S. Nonagricultural Employment by Industry (Millions)**

Forecast 2019 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
Nonfarm Payroll Employment	154.66	154.90	155.14	155.38	155.60	155.82	156.00	156.19
% Ch, Annual Rate	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
Manufacturing	12.58	12.55	12.55	12.55	12.55	12.55	12.55	12.55
% Ch, Annual Rate	-0.6	-0.7	-0.2	0.0	0.0	0.0	0.1	-0.1
Durable Manufacturing	7.92	7.91	7.91	7.91	7.92	7.93	7.94	7.95
% Ch, Annual Rate	-0.5	-0.7	0.0	0.4	0.4	0.4	0.6	0.4
Wood Products	0.45	0.45	0.46	0.46	0.47	0.47	0.47	0.47
% Ch, Annual Rate	4.5	4.2	4.7	4.8	3.4	2.8	2.3	2.3
Primary and Fabricated Metals	1.82	1.82	1.83	1.84	1.85	1.86	1.87	1.88
% Ch, Annual Rate	0.2	0.4	1.5	2.1	2.6	2.8	2.4	2.0
Computer and Electronic Products	1.08	1.08	1.09	1.09	1.09	1.09	1.10	1.10
% Ch, Annual Rate	1.0	0.5	0.9	0.9	0.9	0.7	0.6	0.3
Machinery and Electrical Equipment	1.56	1.57	1.57	1.58	1.59	1.60	1.60	1.60
% Ch, Annual Rate	0.7	0.8	1.5	2.2	2.3	1.8	1.3	1.1
Transportation Equipment	1.62	1.60	1.58	1.56	1.54	1.52	1.51	1.50
% Ch, Annual Rate	-4.2	-5.0	-4.4	-4.5	-5.0	-4.7	-2.8	-2.5
Other Durables	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
% Ch, Annual Rate	-1.1	-1.3	-0.4	0.2	0.4	0.5	0.3	0.2
Nondurable Manufacturing	4.66	4.65	4.64	4.64	4.63	4.62	4.61	4.60
% Ch, Annual Rate	-0.7	-0.7	-0.5	-0.6	-0.6	-0.7	-0.8	-0.9
Food Manufacturing	1.68	1.68	1.68	1.68	1.69	1.69	1.69	1.69
% Ch, Annual Rate	1.0	0.8	0.8	0.6	0.6	0.7	0.5	0.5
Paper and Paper Products	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.34
% Ch, Annual Rate	-1.4	-1.2	-0.8	-0.8	-0.7	-0.8	-0.9	-0.9
Other Nondurables	2.63	2.62	2.61	2.61	2.60	2.59	2.58	2.56
% Ch, Annual Rate	-1.6	-1.5	-1.3	-1.3	-1.4	-1.5	-1.7	-1.8
Natural Resources and Mining	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.79
% Ch, Annual Rate	1.4	1.7	1.5	1.0	1.1	0.4	1.3	1.3
Construction	7.82	7.86	7.91	7.96	8.01	8.07	8.12	8.17
% Ch, Annual Rate	2.5	2.5	2.4	2.5	2.6	2.7	2.7	2.7
Trade, Transportation, and Utilities	27.42	27.37	27.33	27.28	27.21	27.16	27.10	27.04
% Ch, Annual Rate	-0.9	-0.6	-0.7	-0.7	-1.0	-0.8	-0.9	-0.8
Wholesale Trade	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.01
% Ch, Annual Rate	0.2	0.1	0.2	0.1	0.3	0.0	0.0	0.1
Retail Trade	15.37	15.34	15.30	15.26	15.20	15.15	15.11	15.06
% Ch, Annual Rate	-1.4	-0.8	-1.0	-1.1	-1.7	-1.1	-1.3	-1.3
Trans., Warehousing, and Utilities	6.05	6.04	6.03	6.02	6.01	6.00	5.99	5.98
% Ch, Annual Rate	-0.6	-0.7	-0.6	-0.7	-0.5	-0.8	-0.7	-0.7
Information	2.85	2.85	2.86	2.86	2.89	2.90	2.92	2.94
% Ch, Annual Rate	-0.3	0.6	0.7	1.3	3.0	2.5	2.9	2.3
Publishing Industries	0.65	0.64	0.64	0.64	0.64	0.63	0.63	0.63
% Ch, Annual Rate	-2.3	-2.2	-1.9	-1.7	-1.2	-1.4	-1.4	-1.4
Other Information	2.20	2.21	2.21	2.23	2.25	2.27	2.29	2.31
% Ch, Annual Rate	0.3	1.4	1.5	2.2	4.3	3.6	4.1	3.3
Financial Activities	8.75	8.74	8.73	8.73	8.73	8.72	8.71	8.70
% Ch, Annual Rate	0.4	-0.3	-0.3	-0.2	0.0	-0.5	-0.5	-0.5
Professional and Business Services	23.61	23.77	23.93	24.10	24.27	24.42	24.54	24.66
% Ch, Annual Rate	2.7	2.7	2.8	2.8	3.0	2.4	2.0	2.0
Education and Health Services	24.66	24.67	24.69	24.69	24.71	24.72	24.72	24.72
% Ch, Annual Rate	0.4	0.2	0.2	0.1	0.3	0.1	0.0	0.1
Leisure and Hospitality	17.41	17.46	17.50	17.54	17.52	17.55	17.58	17.61
% Ch, Annual Rate	0.8	1.3	1.0	0.7	-0.3	0.7	0.6	0.6
Other Services	5.80	5.79	5.78	5.76	5.75	5.74	5.73	5.71
% Ch, Annual Rate	-0.8	-0.9	-0.9	-1.0	-0.7	-0.9	-0.8	-0.8
Federal Government	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
State and Local Government	20.19	20.23	20.28	20.32	20.36	20.40	20.44	20.48
% Ch, Annual Rate	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Table A2.3

**Washington Nonagricultural Employment by Industry (Thousands)**

Forecast 2019 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
Nonfarm Payroll Employment	3,242.8	3,321.2	3,404.8	3,478.2	3,532.9	3,572.8	3,611.9	3,649.0
% Ch	3.1	2.4	2.5	2.2	1.6	1.1	1.1	1.0
Manufacturing	290.4	284.2	287.5	292.3	292.2	292.1	293.5	296.3
% Ch	-0.7	-2.1	1.2	1.7	0.0	0.0	0.5	0.9
Durable Manufacturing	207.7	200.3	202.1	206.1	206.5	206.6	207.8	210.3
% Ch	-1.7	-3.5	0.9	2.0	0.2	0.0	0.6	1.2
Wood Products	13.1	12.9	13.0	12.8	12.9	13.0	13.1	13.2
% Ch	-1.6	-1.7	0.9	-1.2	0.5	0.5	1.1	1.0
Primary and Fabricated Metals	25.2	25.1	26.1	26.5	26.5	25.9	25.9	26.5
% Ch	-2.0	-0.6	4.0	1.8	-0.3	-2.0	-0.1	2.4
Computer and Electronic Products	20.1	19.6	19.8	20.2	20.4	20.7	21.2	21.7
% Ch	0.7	-2.3	0.8	2.2	0.6	1.7	2.3	2.4
Machinery and Electrical Equipment	20.5	20.7	21.3	21.5	22.0	22.6	23.5	24.8
% Ch	-1.2	1.0	2.8	0.8	2.3	3.1	4.0	5.3
Aerospace	91.0	84.2	84.0	87.6	87.8	87.8	87.8	87.8
% Ch	-3.2	-7.5	-0.3	4.3	0.3	0.0	0.0	0.0
Other Transportation Equip.	10.2	10.2	9.9	9.9	9.5	9.1	8.8	8.5
% Ch	-0.9	0.1	-3.1	0.0	-4.1	-3.6	-3.5	-3.1
Other Durables	27.6	27.7	28.1	27.6	27.6	27.5	27.5	27.8
% Ch	1.2	0.2	1.6	-1.7	-0.1	-0.5	0.1	1.0
Nondurable Manufacturing	82.7	83.9	85.4	86.2	85.7	85.5	85.7	86.0
% Ch	2.0	1.4	1.8	0.8	-0.6	-0.2	0.2	0.3
Food Manufacturing	37.6	38.0	38.9	40.0	40.0	40.0	40.1	40.0
% Ch	1.9	1.3	2.2	2.9	0.1	0.0	0.1	-0.2
Paper and Paper Products	7.8	7.7	7.6	7.5	7.3	7.0	6.8	6.7
% Ch	-3.5	-0.2	-1.8	-1.3	-3.2	-3.5	-2.5	-1.8
Other Nondurables	37.4	38.1	39.0	38.7	38.4	38.5	38.8	39.3
% Ch	3.4	1.9	2.2	-0.8	-0.7	0.2	0.9	1.2
Natural Resources and Mining	6.3	6.2	6.3	6.3	6.4	6.4	6.4	6.5
% Ch	-0.8	-1.0	1.5	0.7	1.4	-0.5	0.7	0.8
Construction	186.6	199.8	213.4	222.2	219.8	217.6	216.9	217.3
% Ch	7.7	7.0	6.8	4.1	-1.0	-1.0	-0.3	0.2
Trade, Transportation, and Utilities	605.7	624.6	637.3	645.0	649.0	650.4	650.3	649.6
% Ch	3.1	3.1	2.0	1.2	0.6	0.2	0.0	-0.1
Wholesale Trade	132.1	133.3	136.4	139.1	140.4	141.3	141.9	142.5
% Ch	0.6	0.9	2.4	1.9	1.0	0.6	0.5	0.4
Retail Trade	365.2	378.7	386.2	391.3	394.1	394.9	394.6	393.7
% Ch	3.2	3.7	2.0	1.3	0.7	0.2	-0.1	-0.2
Electronic Shopping and Mail-Order	38.2	49.7	54.8	60.1	63.2	65.6	67.6	69.3
% Ch	26.6	30.1	10.3	9.6	5.2	3.8	3.0	2.5
Other Retail Trade	327.0	329.0	331.4	331.2	330.9	329.3	327.0	324.4
% Ch	1.0	0.6	0.7	-0.1	-0.1	-0.5	-0.7	-0.8
Trans., Warehousing, and Utilities	108.4	112.6	114.6	114.6	114.4	114.2	113.8	113.4
% Ch	6.0	3.8	1.8	0.0	-0.1	-0.2	-0.3	-0.3
Information	121.4	126.3	133.6	138.4	139.1	142.2	143.6	146.9
% Ch	6.2	4.1	5.8	3.6	0.5	2.2	1.0	2.3
Software Publishers	58.9	61.4	65.3	68.2	68.8	69.7	70.8	72.0
% Ch	5.3	4.2	6.4	4.5	0.9	1.3	1.5	1.7
Other Publishing Industries	5.9	5.5	5.1	4.5	3.7	3.2	2.7	2.4
% Ch	-4.0	-6.8	-7.8	-11.8	-17.5	-14.4	-13.7	-12.9
Other Information	56.5	59.4	63.2	65.7	66.6	69.3	70.1	72.6
% Ch	8.4	5.0	6.5	3.9	1.4	4.1	1.1	3.5
Financial Activities	151.0	154.0	157.5	158.7	159.0	158.6	158.1	156.7
% Ch	2.1	2.0	2.3	0.8	0.1	-0.2	-0.3	-0.9
Professional and Business Services	401.5	413.4	426.1	438.9	459.3	475.5	489.6	504.1
% Ch	3.5	3.0	3.1	3.0	4.6	3.5	3.0	3.0
Education and Health Services	463.5	475.6	491.4	507.9	516.1	524.3	530.4	535.2
% Ch	3.4	2.6	3.3	3.4	1.6	1.6	1.2	0.9
Leisure and Hospitality	323.3	331.5	342.7	354.8	363.6	367.2	372.7	375.9
% Ch	4.3	2.6	3.4	3.5	2.5	1.0	1.5	0.9
Other Services	117.6	119.7	121.7	123.9	125.8	127.6	129.1	130.6
% Ch	2.3	1.8	1.7	1.8	1.5	1.4	1.2	1.1
Federal Government	74.5	74.8	74.7	76.3	79.4	77.4	77.7	78.0
% Ch	1.9	0.4	-0.2	2.1	4.1	-2.6	0.4	0.4
State and Local Government	501.1	511.0	512.4	513.4	523.1	533.5	543.4	551.9
% Ch	2.5	2.0	0.3	0.2	1.9	2.0	1.9	1.6

Table A2.4

**Washington Nonagricultural Employment by Industry (Thousands)**

Forecast 2019 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Nonfarm Payroll Employment	3,381.6	3,394.3	3,411.1	3,432.2	3,452.8	3,471.9	3,487.0	3,501.0
% Ch, Annual Rate	3.8	1.5	2.0	2.5	2.4	2.2	1.8	1.6
Manufacturing	284.8	285.9	288.0	291.4	292.2	292.1	292.1	292.8
% Ch, Annual Rate	3.2	1.5	3.0	4.8	1.1	-0.1	-0.1	1.0
Durable Manufacturing	199.6	200.9	202.8	205.0	205.8	205.9	206.0	206.7
% Ch, Annual Rate	2.8	2.5	3.8	4.4	1.6	0.3	0.2	1.4
Wood Products	13.1	13.0	12.9	12.9	12.8	12.9	12.8	12.8
% Ch, Annual Rate	4.0	-1.5	-3.1	1.0	-4.8	2.1	-1.1	0.9
Primary and Fabricated Metals	25.7	26.1	26.2	26.3	26.5	26.5	26.5	26.6
% Ch, Annual Rate	9.7	5.4	1.8	2.4	2.6	0.7	-0.6	2.2
Computer and Electronic Products	19.7	19.7	19.9	19.9	20.0	20.2	20.4	20.4
% Ch, Annual Rate	1.7	0.0	2.5	0.2	2.8	3.6	3.5	0.1
Machinery and Electrical Equipment	21.1	21.2	21.3	21.6	21.8	21.1	21.2	21.7
% Ch, Annual Rate	1.3	2.3	1.5	5.0	5.1	-12.8	2.8	8.6
Aerospace	82.3	83.0	84.6	86.0	86.8	87.8	87.8	87.8
% Ch, Annual Rate	2.3	3.6	8.0	6.9	3.8	4.7	0.0	0.0
Other Transportation Equip.	9.8	9.8	9.9	10.0	9.9	9.9	9.8	9.8
% Ch, Annual Rate	-6.5	0.2	2.7	5.6	-3.1	-0.4	-3.4	-0.3
Other Durables	28.0	28.1	28.1	28.3	27.9	27.5	27.5	27.6
% Ch, Annual Rate	3.0	1.6	-0.2	2.8	-4.8	-5.6	-0.7	1.5
Nondurable Manufacturing	85.2	85.0	85.2	86.4	86.4	86.2	86.0	86.0
% Ch, Annual Rate	4.0	-0.8	1.2	5.5	0.0	-0.9	-0.7	-0.1
Food Manufacturing	39.0	38.6	38.7	39.3	39.9	40.1	40.0	40.1
% Ch, Annual Rate	8.3	-4.4	1.0	7.0	6.0	1.8	-1.0	1.4
Paper and Paper Products	7.6	7.6	7.6	7.6	7.5	7.6	7.5	7.4
% Ch, Annual Rate	-1.9	0.4	-2.8	-0.8	-1.8	1.3	-3.6	-2.6
Other Nondurables	38.5	38.8	39.0	39.5	39.0	38.6	38.6	38.5
% Ch, Annual Rate	1.1	2.6	2.3	5.3	-5.3	-4.0	0.1	-1.1
Natural Resources and Mining	6.3	6.3	6.3	6.3	6.4	6.3	6.4	6.4
% Ch, Annual Rate	5.8	0.5	0.5	-4.6	7.6	-4.4	3.4	1.1
Construction	209.7	211.9	213.7	218.5	220.9	223.5	222.4	221.9
% Ch, Annual Rate	10.5	4.4	3.5	9.2	4.5	4.8	-2.0	-0.8
Trade, Transportation, and Utilities	636.8	636.2	637.8	638.4	641.9	643.9	646.4	647.8
% Ch, Annual Rate	4.0	-0.4	1.0	0.3	2.2	1.3	1.6	0.9
Wholesale Trade	135.6	136.2	136.7	137.3	138.2	138.8	139.4	139.9
% Ch, Annual Rate	5.0	1.8	1.5	1.7	2.8	1.7	1.9	1.3
Retail Trade	386.8	385.4	386.4	386.2	389.2	390.9	392.1	393.1
% Ch, Annual Rate	5.0	-1.4	1.0	-0.2	3.1	1.7	1.3	1.0
Electronic Shopping and Mail-Order	54.3	54.3	54.2	56.4	58.7	59.7	60.6	61.4
% Ch	6.8	0.1	-0.8	16.9	17.1	7.1	6.2	5.6
Other Retail Trade	332.5	331.1	332.2	329.8	330.5	331.2	331.5	331.6
% Ch	4.8	-1.6	1.3	-2.8	0.8	0.8	0.4	0.1
Trans., Warehousing, and Utilities	114.4	114.5	114.7	114.9	114.5	114.2	114.8	114.8
% Ch, Annual Rate	-0.3	0.3	0.6	0.6	-1.3	-0.9	2.2	0.0
Information	129.9	132.4	135.0	137.2	137.7	138.7	138.9	138.5
% Ch, Annual Rate	5.5	8.1	8.2	6.6	1.5	2.8	0.7	-1.3
Software Publishers	63.5	64.7	66.0	67.0	67.5	68.5	68.5	68.5
% Ch, Annual Rate	7.0	7.9	8.0	6.5	2.9	5.7	0.1	0.2
Other Publishing Industries	5.2	5.2	5.1	4.9	4.8	4.6	4.4	4.1
% Ch, Annual Rate	-7.9	-4.7	-6.0	-11.0	-6.9	-17.7	-19.0	-19.4
Other Information	61.2	62.5	64.0	65.2	65.3	65.6	66.1	65.8
% Ch, Annual Rate	5.2	9.4	9.5	8.1	0.7	1.5	2.8	-1.5
Financial Activities	156.8	157.8	157.9	157.5	157.8	158.8	159.4	159.1
% Ch, Annual Rate	4.5	2.5	0.1	-0.9	0.7	2.6	1.5	-0.8
Professional and Business Services	422.1	424.1	427.4	430.9	432.8	436.6	440.2	446.1
% Ch, Annual Rate	5.5	2.0	3.2	3.3	1.8	3.6	3.3	5.5
Education and Health Services	486.5	489.2	492.8	497.0	503.1	506.4	510.1	512.0
% Ch, Annual Rate	3.3	2.2	3.0	3.5	5.0	2.6	3.0	1.5
Leisure and Hospitality	339.7	341.1	342.5	347.5	351.3	353.5	356.1	358.3
% Ch, Annual Rate	6.0	1.7	1.5	6.0	4.5	2.5	3.0	2.5
Other Services	120.8	121.3	122.3	122.5	123.2	123.5	124.2	124.6
% Ch, Annual Rate	1.4	1.8	3.1	0.7	2.2	1.0	2.4	1.5
Federal Government	74.7	74.7	74.4	75.0	75.3	76.5	76.6	76.8
% Ch, Annual Rate	-0.7	-0.2	-1.2	3.1	1.4	6.9	0.6	0.6
State and Local Government	513.5	513.4	512.9	510.1	510.3	512.1	514.3	516.8
% Ch, Annual Rate	-0.4	-0.1	-0.4	-2.2	0.2	1.4	1.7	1.9



Table A2.4 (continued)

**Washington Nonagricultural Employment by Industry (Thousands)**

Forecast 2019 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Nonfarm Payroll Employment	3,513.8	3,532.3	3,538.5	3,547.0	3,557.5	3,567.8	3,577.9	3,587.9
% Ch, Annual Rate	1.5	2.1	0.7	1.0	1.2	1.2	1.1	1.1
Manufacturing	293.0	292.3	291.9	291.7	291.9	292.0	292.2	292.3
% Ch, Annual Rate	0.3	-0.9	-0.5	-0.2	0.2	0.2	0.2	0.2
Durable Manufacturing	207.1	206.5	206.3	206.3	206.4	206.6	206.7	206.8
% Ch, Annual Rate	0.6	-1.0	-0.5	0.0	0.3	0.3	0.2	0.3
Wood Products	12.9	12.9	12.9	12.9	12.9	13.0	13.0	13.0
% Ch, Annual Rate	1.9	-0.6	-0.1	0.1	1.7	0.8	-0.1	-0.1
Primary and Fabricated Metals	26.7	26.5	26.4	26.2	26.1	26.0	25.8	25.8
% Ch, Annual Rate	0.8	-2.6	-2.1	-2.7	-1.8	-2.1	-1.7	-1.1
Computer and Electronic Products	20.4	20.3	20.3	20.4	20.5	20.7	20.8	20.9
% Ch, Annual Rate	0.1	-1.4	0.6	1.7	2.4	2.3	2.2	2.1
Machinery and Electrical Equipment	21.9	21.9	21.9	22.1	22.3	22.5	22.7	22.9
% Ch, Annual Rate	4.6	-1.0	1.1	3.4	4.1	3.6	3.4	3.4
Aerospace	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Transportation Equip.	9.7	9.5	9.3	9.3	9.2	9.1	9.1	9.0
% Ch, Annual Rate	-4.4	-7.5	-7.0	-3.0	-4.2	-1.0	-1.8	-3.5
Other Durables	27.6	27.6	27.6	27.6	27.5	27.5	27.5	27.4
% Ch, Annual Rate	0.9	-0.2	-0.3	-0.6	-0.4	-0.6	-0.7	-0.2
Nondurable Manufacturing	85.9	85.8	85.6	85.5	85.5	85.5	85.5	85.5
% Ch, Annual Rate	-0.5	-0.8	-0.7	-0.6	0.0	0.0	0.1	0.2
Food Manufacturing	40.1	40.1	40.0	39.9	40.0	40.0	40.0	40.1
% Ch, Annual Rate	0.2	-0.6	-0.8	-0.8	0.6	0.1	0.4	0.2
Paper and Paper Products	7.4	7.3	7.2	7.2	7.1	7.0	7.0	6.9
% Ch, Annual Rate	-3.7	-3.8	-3.8	-4.1	-3.6	-2.9	-3.0	-2.7
Other Nondurables	38.4	38.4	38.4	38.4	38.4	38.4	38.5	38.6
% Ch, Annual Rate	-0.6	-0.5	0.0	0.3	0.1	0.3	0.4	0.7
Natural Resources and Mining	6.4	6.5	6.4	6.4	6.4	6.4	6.4	6.4
% Ch, Annual Rate	3.5	2.5	-2.0	-1.1	-0.6	-0.4	0.4	0.7
Construction	220.6	220.1	219.6	219.1	218.3	217.5	217.2	217.2
% Ch, Annual Rate	-2.3	-0.8	-1.0	-1.0	-1.3	-1.4	-0.6	0.0
Trade, Transportation, and Utilities	648.0	648.8	649.6	649.5	650.1	650.6	650.5	650.3
% Ch, Annual Rate	0.1	0.5	0.5	0.0	0.3	0.3	-0.1	-0.1
Wholesale Trade	140.1	140.3	140.6	140.8	141.0	141.2	141.4	141.6
% Ch, Annual Rate	0.6	0.5	0.8	0.7	0.5	0.5	0.7	0.5
Retail Trade	393.4	394.0	394.6	394.4	394.8	395.2	394.9	394.6
% Ch, Annual Rate	0.3	0.7	0.6	-0.2	0.4	0.4	-0.3	-0.3
Electronic Shopping and Mail-Order	62.2	62.9	63.6	64.2	64.8	65.4	65.9	66.4
% Ch	5.1	4.7	4.3	4.0	3.7	3.5	3.3	3.1
Other Retail Trade	331.1	331.1	331.0	330.2	330.0	329.9	329.0	328.2
% Ch	-0.6	0.0	-0.1	-1.0	-0.2	-0.2	-1.1	-0.9
Trans., Warehousing, and Utilities	114.6	114.5	114.4	114.3	114.3	114.2	114.2	114.0
% Ch, Annual Rate	-1.0	-0.3	-0.3	-0.2	-0.1	-0.2	-0.3	-0.4
Information	138.5	138.9	139.5	139.7	141.1	142.2	142.7	142.8
% Ch, Annual Rate	0.0	1.2	1.9	0.4	4.2	2.9	1.5	0.4
Software Publishers	68.6	68.7	68.9	69.1	69.4	69.6	69.8	70.1
% Ch, Annual Rate	0.7	0.6	1.0	1.3	1.3	1.4	1.4	1.4
Other Publishing Industries	4.0	3.8	3.6	3.5	3.4	3.2	3.1	3.0
% Ch, Annual Rate	-16.9	-17.7	-15.6	-13.7	-13.8	-14.0	-13.9	-14.2
Other Information	65.9	66.4	67.0	67.1	68.4	69.3	69.7	69.8
% Ch, Annual Rate	0.6	3.0	3.8	0.3	8.3	5.5	2.3	0.1
Financial Activities	159.0	158.9	158.9	158.9	158.7	158.6	158.6	158.7
% Ch, Annual Rate	-0.1	-0.2	0.0	-0.1	-0.4	-0.5	0.2	0.2
Professional and Business Services	452.3	457.0	461.5	466.3	470.7	473.9	477.1	480.4
% Ch, Annual Rate	5.7	4.2	4.0	4.3	3.8	2.8	2.7	2.7
Education and Health Services	513.6	514.8	516.9	519.0	521.4	523.5	525.5	526.9
% Ch, Annual Rate	1.2	0.9	1.6	1.6	1.8	1.6	1.5	1.1
Leisure and Hospitality	360.6	363.0	365.2	365.7	365.0	366.1	367.8	369.8
% Ch, Annual Rate	2.6	2.7	2.4	0.6	-0.8	1.2	1.8	2.2
Other Services	125.1	125.6	126.0	126.5	126.9	127.4	127.8	128.2
% Ch, Annual Rate	1.4	1.5	1.5	1.4	1.5	1.4	1.3	1.2
Federal Government	77.4	84.6	78.5	77.2	77.2	77.3	77.4	77.5
% Ch, Annual Rate	3.2	43.1	-25.8	-6.8	0.5	0.5	0.5	0.4
State and Local Government	519.2	521.8	524.4	527.0	529.6	532.2	534.8	537.3
% Ch, Annual Rate	1.9	2.0	2.0	2.0	2.0	2.0	2.0	1.9

Table A2.4 (continued)

**Washington Nonagricultural Employment by Industry (Thousands)**

Forecast 2019 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
Nonfarm Payroll Employment	3,597.2	3,607.2	3,616.7	3,626.5	3,636.1	3,645.2	3,653.4	3,661.3
% Ch, Annual Rate	1.0	1.1	1.1	1.1	1.1	1.0	0.9	0.9
Manufacturing	292.7	293.1	293.8	294.5	295.3	296.0	296.7	297.2
% Ch, Annual Rate	0.5	0.5	0.9	1.0	1.1	1.0	0.8	0.7
Durable Manufacturing	207.1	207.5	208.0	208.7	209.4	210.1	210.7	211.2
% Ch, Annual Rate	0.7	0.6	1.0	1.3	1.4	1.3	1.1	1.0
Wood Products	13.0	13.1	13.1	13.2	13.2	13.2	13.2	13.2
% Ch, Annual Rate	1.7	1.5	1.9	2.0	0.8	0.3	-0.1	-0.1
Primary and Fabricated Metals	25.8	25.8	25.9	26.1	26.2	26.4	26.6	26.7
% Ch, Annual Rate	0.2	0.4	1.5	2.3	2.8	3.0	2.6	2.1
Computer and Electronic Products	21.0	21.1	21.2	21.4	21.5	21.6	21.8	21.8
% Ch, Annual Rate	2.7	2.0	2.5	2.6	2.6	2.3	2.1	1.7
Machinery and Electrical Equipment	23.1	23.4	23.6	24.0	24.3	24.6	24.9	25.2
% Ch, Annual Rate	3.8	3.9	5.0	5.9	6.0	5.3	4.6	4.4
Aerospace	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Transportation Equip.	8.9	8.8	8.7	8.7	8.6	8.6	8.5	8.4
% Ch, Annual Rate	-4.5	-4.2	-3.8	-2.8	-2.9	-3.0	-3.0	-2.9
Other Durables	27.5	27.5	27.5	27.6	27.7	27.7	27.8	27.9
% Ch, Annual Rate	0.2	0.2	0.6	0.9	1.1	1.2	1.2	1.2
Nondurable Manufacturing	85.6	85.7	85.8	85.8	85.9	86.0	86.0	86.0
% Ch, Annual Rate	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.1
Food Manufacturing	40.1	40.1	40.1	40.0	40.0	40.0	40.0	39.9
% Ch, Annual Rate	0.1	0.0	0.0	-0.2	-0.2	-0.2	-0.3	-0.3
Paper and Paper Products	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7
% Ch, Annual Rate	-2.5	-2.3	-1.8	-1.8	-1.7	-1.8	-1.9	-2.0
Other Nondurables	38.6	38.7	38.9	39.0	39.1	39.2	39.3	39.4
% Ch, Annual Rate	0.9	1.1	1.3	1.3	1.3	1.2	1.0	0.9
Natural Resources and Mining	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5
% Ch, Annual Rate	1.0	0.9	0.7	0.8	0.7	0.8	0.7	0.9
Construction	217.0	217.0	216.8	216.9	217.0	217.2	217.4	217.7
% Ch, Annual Rate	-0.5	0.1	-0.4	0.2	0.3	0.3	0.4	0.4
Trade, Transportation, and Utilities	650.1	650.3	650.4	650.4	649.9	649.7	649.4	649.1
% Ch, Annual Rate	-0.1	0.1	0.0	0.0	-0.3	-0.1	-0.2	-0.2
Wholesale Trade	141.7	141.9	142.0	142.1	142.3	142.4	142.5	142.7
% Ch, Annual Rate	0.4	0.4	0.4	0.4	0.6	0.3	0.3	0.3
Retail Trade	394.4	394.6	394.6	394.6	394.0	393.8	393.6	393.2
% Ch, Annual Rate	-0.2	0.2	0.0	0.0	-0.6	-0.2	-0.3	-0.3
Electronic Shopping and Mail-Order	66.9	67.4	67.8	68.2	68.7	69.1	69.5	69.9
% Ch	2.9	2.8	2.7	2.6	2.5	2.4	2.4	2.3
Other Retail Trade	327.5	327.3	326.8	326.4	325.3	324.8	324.1	323.3
% Ch	-0.8	-0.3	-0.5	-0.6	-1.2	-0.7	-0.9	-0.9
Trans., Warehousing, and Utilities	113.9	113.8	113.7	113.6	113.6	113.5	113.3	113.2
% Ch, Annual Rate	-0.3	-0.4	-0.4	-0.4	-0.2	-0.4	-0.4	-0.4
Information	143.0	143.4	143.8	144.4	145.4	146.4	147.5	148.4
% Ch, Annual Rate	0.4	1.1	1.2	1.7	3.0	2.6	3.0	2.6
Software Publishers	70.4	70.6	70.9	71.2	71.5	71.8	72.1	72.5
% Ch, Annual Rate	1.5	1.6	1.6	1.7	1.8	1.7	1.7	1.7
Other Publishing Industries	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.3
% Ch, Annual Rate	-13.5	-13.6	-13.2	-13.0	-12.1	-13.0	-13.4	-13.8
Other Information	69.7	69.9	70.2	70.6	71.4	72.1	73.0	73.7
% Ch, Annual Rate	-0.1	1.2	1.3	2.3	4.8	4.1	4.9	4.0
Financial Activities	158.6	158.3	157.9	157.6	157.4	156.9	156.5	156.0
% Ch, Annual Rate	-0.1	-0.8	-1.0	-0.7	-0.5	-1.2	-1.2	-1.1
Professional and Business Services	484.0	487.7	491.5	495.2	499.2	502.6	505.7	508.7
% Ch, Annual Rate	3.1	3.1	3.1	3.1	3.3	2.8	2.4	2.4
Education and Health Services	528.4	529.7	531.1	532.2	533.6	534.7	535.7	536.8
% Ch, Annual Rate	1.1	1.0	1.0	0.9	1.0	0.8	0.8	0.8
Leisure and Hospitality	370.9	372.2	373.4	374.4	374.7	375.6	376.4	377.2
% Ch, Annual Rate	1.2	1.5	1.2	1.0	0.3	1.0	0.9	0.8
Other Services	128.6	129.0	129.3	129.7	130.1	130.4	130.8	131.1
% Ch, Annual Rate	1.3	1.2	1.2	1.1	1.2	1.1	1.0	1.0
Federal Government	77.6	77.7	77.8	77.8	77.9	78.0	78.1	78.1
% Ch, Annual Rate	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
State and Local Government	539.9	542.3	544.6	546.9	549.1	551.1	552.8	554.6
% Ch, Annual Rate	1.9	1.8	1.7	1.7	1.6	1.5	1.3	1.3

Table A3.1

**U.S. Personal Income by Component (Billions of Dollars)**

Forecast 2019 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
Personal Income	16,125.1	16,830.9	17,569.5	18,270.0	19,090.5	19,935.8	20,813.0	21,738.8
% Ch	2.6	4.4	4.4	4.0	4.5	4.4	4.4	4.4
Total Wage and Salary Disbursements	8,080.7	8,453.8	8,821.3	9,174.8	9,590.8	10,005.8	10,468.0	10,969.1
% Ch	2.9	4.6	4.3	4.0	4.5	4.3	4.6	4.8
Nonwage Personal Income	8,044.5	8,377.1	8,748.3	9,095.2	9,499.7	9,930.0	10,345.1	10,769.7
% Ch	2.3	4.1	4.4	4.0	4.4	4.5	4.2	4.1
Supplements to Wages and Salaries	1,875.6	1,953.4	2,020.0	2,082.9	2,168.2	2,257.9	2,356.2	2,457.4
% Ch	1.8	4.1	3.4	3.1	4.1	4.1	4.4	4.3
Proprietor's Income	1,419.3	1,500.9	1,578.8	1,603.8	1,623.5	1,667.6	1,698.5	1,726.3
% Ch	-0.2	5.8	5.2	1.6	1.2	2.7	1.9	1.6
Farm	37.5	38.9	37.0	28.7	40.8	68.7	70.4	61.9
% Ch	...	...	...	...	...	...	...	...
Nonfarm	1,381.8	1,462.0	1,541.8	1,575.1	1,582.7	1,598.8	1,628.1	1,664.4
% Ch	1.2	5.8	5.5	2.2	0.5	1.0	1.8	2.2
Less: Contribution For Govt. Soc. Ins.	1,239.9	1,298.6	1,359.3	1,415.2	1,470.4	1,527.5	1,593.9	1,667.4
% Ch	2.9	4.7	4.7	4.1	3.9	3.9	4.3	4.6
Dividends/Int./Rent	3,211.4	3,361.8	3,528.1	3,624.8	3,821.3	4,011.3	4,195.7	4,377.4
% Ch	2.8	4.7	4.9	2.7	5.4	5.0	4.6	4.3
Transfer Payments	2,778.1	2,859.7	2,980.7	3,198.9	3,357.2	3,520.7	3,688.6	3,876.0
% Ch	3.5	2.9	4.2	7.3	4.9	4.9	4.8	5.1

Table A3.2

**U.S. Personal Income by Component (Billions of Dollars)**

Forecast 2019 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Personal Income	17,319.2	17,466.7	17,657.3	17,835.0	17,978.7	18,173.2	18,365.1	18,563.0
% Ch, Annual Rate	5.2	3.5	4.4	4.1	3.3	4.4	4.3	4.4
Total Wage and Salary Disbursements	8,710.6	8,770.8	8,879.2	8,924.5	9,011.2	9,116.5	9,232.8	9,338.9
% Ch, Annual Rate	5.8	2.8	5.0	2.1	3.9	4.8	5.2	4.7
Nonwage Personal Income	8,608.5	8,695.9	8,778.1	8,910.6	8,967.5	9,056.7	9,132.3	9,224.1
% Ch, Annual Rate	4.5	4.1	3.8	6.2	2.6	4.0	3.4	4.1
Supplements to Wages and Salaries	1,999.4	2,012.0	2,028.7	2,040.0	2,055.8	2,072.8	2,090.3	2,112.5
% Ch, Annual Rate	3.9	2.5	3.3	2.2	3.2	3.3	3.4	4.3
Proprietor's Income	1,549.9	1,568.5	1,580.0	1,616.7	1,606.1	1,600.1	1,606.5	1,602.7
% Ch, Annual Rate	6.4	4.9	3.0	9.6	-2.6	-1.5	1.6	-0.9
Farm	35.2	37.0	27.9	47.9	35.5	25.0	26.1	28.3
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,514.7	1,531.5	1,552.0	1,568.9	1,570.6	1,575.1	1,580.4	1,574.5
% Ch, Annual Rate	6.6	4.5	5.5	4.4	0.4	1.2	1.3	-1.5
Less: Contribution For Govt. Soc. Ins.	1,343.6	1,352.4	1,367.4	1,373.9	1,394.1	1,407.4	1,423.9	1,435.5
% Ch, Annual Rate	8.2	2.7	4.5	1.9	6.0	3.9	4.8	3.3
Dividends/Int./Rent	3,468.8	3,502.0	3,539.6	3,602.0	3,563.0	3,605.0	3,638.7	3,692.3
% Ch, Annual Rate	3.6	3.9	4.4	7.3	-4.3	4.8	3.8	6.0
Transfer Payments	2,933.9	2,965.8	2,997.2	3,025.8	3,136.7	3,186.1	3,220.7	3,252.2
% Ch, Annual Rate	6.6	4.4	4.3	3.9	15.5	6.5	4.4	4.0

Table A3.2 (continued)

**U.S. Personal Income by Component (Billions of Dollars)**

Forecast 2019 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Personal Income	18,778.3	18,992.1	19,196.8	19,394.8	19,623.0	19,830.6	20,038.0	20,251.6
% Ch, Annual Rate	4.7	4.6	4.4	4.2	4.8	4.3	4.2	4.3
Total Wage and Salary Disbursements	9,440.9	9,547.5	9,638.6	9,736.0	9,842.4	9,950.4	10,059.1	10,171.3
% Ch, Annual Rate	4.4	4.6	3.9	4.1	4.4	4.5	4.4	4.5
Nonwage Personal Income	9,337.4	9,444.6	9,558.1	9,658.7	9,780.6	9,880.2	9,978.8	10,080.3
% Ch, Annual Rate	5.0	4.7	4.9	4.3	5.1	4.1	4.1	4.1
Supplements to Wages and Salaries	2,136.8	2,159.2	2,178.3	2,198.4	2,223.8	2,246.5	2,269.1	2,292.4
% Ch, Annual Rate	4.7	4.3	3.6	3.7	4.7	4.1	4.1	4.2
Proprietor's Income	1,608.6	1,615.5	1,628.8	1,640.9	1,654.5	1,663.6	1,671.6	1,680.4
% Ch, Annual Rate	1.5	1.7	3.3	3.0	3.4	2.2	1.9	2.1
Farm	31.5	36.3	43.8	51.4	60.5	67.8	72.4	74.3
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,577.1	1,579.2	1,585.0	1,589.5	1,594.1	1,595.9	1,599.3	1,606.1
% Ch, Annual Rate	0.7	0.5	1.5	1.1	1.2	0.4	0.9	1.7
Less: Contribution For Govt. Soc. Ins.	1,453.2	1,465.3	1,475.8	1,487.3	1,507.0	1,520.5	1,534.1	1,548.4
% Ch, Annual Rate	5.0	3.4	2.9	3.2	5.4	3.6	3.6	3.8
Dividends/Int./Rent	3,740.8	3,795.8	3,852.5	3,896.0	3,942.8	3,988.4	4,033.5	4,080.4
% Ch, Annual Rate	5.4	6.0	6.1	4.6	4.9	4.7	4.6	4.7
Transfer Payments	3,304.3	3,339.4	3,374.3	3,410.7	3,466.5	3,502.2	3,538.7	3,575.5
% Ch, Annual Rate	6.6	4.3	4.3	4.4	6.7	4.2	4.2	4.2

Table A3.2 (continued)

**U.S. Personal Income by Component (Billions of Dollars)**

Forecast 2019 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
Personal Income	20,485.2	20,702.4	20,921.2	21,143.3	21,393.2	21,619.5	21,852.0	22,090.4
% Ch, Annual Rate	4.7	4.3	4.3	4.3	4.8	4.3	4.4	4.4
Total Wage and Salary Disbursements	10,287.7	10,405.8	10,527.4	10,650.9	10,778.0	10,904.0	11,031.7	11,162.6
% Ch, Annual Rate	4.7	4.7	4.8	4.8	4.9	4.8	4.8	4.8
Nonwage Personal Income	10,197.5	10,296.6	10,393.8	10,492.4	10,615.2	10,715.5	10,820.3	10,927.8
% Ch, Annual Rate	4.7	3.9	3.8	3.8	4.8	3.8	4.0	4.0
Supplements to Wages and Salaries	2,319.6	2,343.7	2,368.3	2,393.0	2,421.1	2,445.2	2,469.4	2,494.1
% Ch, Annual Rate	4.8	4.2	4.3	4.2	4.8	4.0	4.0	4.1
Proprietor's Income	1,686.8	1,695.3	1,702.6	1,709.3	1,714.4	1,721.0	1,729.7	1,740.0
% Ch, Annual Rate	1.5	2.0	1.7	1.6	1.2	1.6	2.0	2.4
Farm	73.9	72.0	69.2	66.3	63.9	62.1	61.0	60.7
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,612.8	1,623.3	1,633.4	1,642.9	1,650.5	1,659.0	1,668.7	1,679.3
% Ch, Annual Rate	1.7	2.6	2.5	2.4	1.9	2.1	2.4	2.6
Less: Contribution For Govt. Soc. Ins.	1,570.3	1,585.7	1,601.6	1,617.8	1,641.9	1,658.7	1,675.7	1,693.2
% Ch, Annual Rate	5.8	4.0	4.1	4.1	6.1	4.1	4.2	4.2
Dividends/Int./Rent	4,126.2	4,172.6	4,218.2	4,265.7	4,310.1	4,353.7	4,399.5	4,446.1
% Ch, Annual Rate	4.6	4.6	4.4	4.6	4.2	4.1	4.3	4.3
Transfer Payments	3,635.2	3,670.6	3,706.2	3,742.3	3,811.6	3,854.3	3,897.4	3,940.8
% Ch, Annual Rate	6.9	4.0	3.9	3.9	7.6	4.6	4.5	4.5

Table A3.3

**Washington Personal Income by Component (Billions of Dollars)**

Forecast 2019 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
Personal Income	404.232	428.765	458.727	481.149	504.734	529.440	554.930	582.435
% Ch	5.1	6.1	7.0	4.9	4.9	4.9	4.8	5.0
Total Wage and Salary Disbursements	203.300	218.077	237.442	250.339	262.266	274.643	287.973	303.024
% Ch	6.1	7.3	8.9	5.4	4.8	4.7	4.9	5.2
Manufacturing	21.729	21.691	22.802	23.971	24.517	25.394	26.485	27.785
% Ch	-0.3	-0.2	5.1	5.1	2.3	3.6	4.3	4.9
Durable Manufacturing	17.316	17.080	17.938	18.913	19.317	20.018	20.887	21.941
% Ch	-1.6	-1.4	5.0	5.4	2.1	3.6	4.3	5.0
Nondurable Manufacturing	4.413	4.611	4.864	5.057	5.200	5.376	5.598	5.844
% Ch	4.8	4.5	5.5	4.0	2.8	3.4	4.1	4.4
Nonmanufacturing	174.575	189.496	207.431	218.891	229.985	241.173	253.087	266.492
% Ch	7.1	8.5	9.5	5.5	5.1	4.9	4.9	5.3
Other Private Wages	1.193	1.232	1.373	1.407	1.466	1.528	1.593	1.665
% Ch	4.1	3.3	11.4	2.5	4.2	4.2	4.3	4.5
Farm Wages	1.700	1.467	1.511	1.599	1.703	1.811	1.927	2.054
% Ch	11.5	-13.7	3.0	5.9	6.5	6.4	6.4	6.6
Military Wages	4.103	4.190	4.325	4.471	4.595	4.736	4.880	5.028
% Ch	0.1	2.1	3.2	3.4	2.8	3.1	3.0	3.0
Nonwage Personal Income	200.932	210.688	221.285	230.810	242.468	254.796	266.957	279.412
% Ch	4.1	4.9	5.0	4.3	5.1	5.1	4.8	4.7
Supplements to Wages and Salaries	46.393	48.687	51.683	53.758	56.107	58.591	61.259	64.134
% Ch	5.6	4.9	6.2	4.0	4.4	4.4	4.6	4.7
Proprietor's Income	32.419	35.590	37.355	37.737	37.874	38.687	39.355	40.012
% Ch	-0.2	9.8	5.0	1.0	0.4	2.1	1.7	1.7
Farm	2.016	1.922	1.699	1.178	1.170	1.629	1.656	1.513
% Ch	...	...	...	...	...	...	...	...
Nonfarm	30.403	33.667	35.655	36.558	36.704	37.058	37.699	38.499
% Ch	3.1	10.7	5.9	2.5	0.4	1.0	1.7	2.1
Less: Contribution For Govt. Soc. Ins.	33.509	36.007	39.127	41.130	42.767	44.467	46.382	48.597
% Ch	4.4	7.5	8.7	5.1	4.0	4.0	4.3	4.8
Plus: Residence Adjustment	4.190	4.301	4.389	4.567	4.810	5.053	5.324	5.617
% Ch	7.8	2.7	2.0	4.1	5.3	5.0	5.4	5.5
Dividends/Int./Rent	91.551	96.125	101.924	105.518	112.061	118.391	124.569	130.665
% Ch	3.8	5.0	6.0	3.5	6.2	5.6	5.2	4.9
Transfer Payments	59.888	61.992	65.061	70.361	74.382	78.540	82.832	87.581
% Ch	5.8	3.5	5.0	8.1	5.7	5.6	5.5	5.7
State U.I. Benefits	0.982	0.975	0.925	1.011	1.082	1.279	1.425	1.557
% Ch	1.2	-0.7	-5.2	9.3	7.0	18.2	11.5	9.2
Other Transfers	58.906	61.016	64.136	69.350	73.300	77.262	81.407	86.024
% Ch	5.9	3.6	5.1	8.1	5.7	5.4	5.4	5.7

Table A3.4

**Washington Personal Income by Component (Billions of Dollars)**

Forecast 2019 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Personal Income	451.449	455.158	460.392	467.906	473.560	478.310	483.484	489.240
% Ch, Annual Rate	12.2	3.3	4.7	6.7	4.9	4.1	4.4	4.8
Total Wage and Salary Disbursements	234.110	235.200	238.048	242.409	246.560	248.514	251.620	254.661
% Ch, Annual Rate	20.4	1.9	4.9	7.5	7.0	3.2	5.1	4.9
Manufacturing	23.408	22.256	22.417	23.126	24.451	23.583	23.795	24.053
% Ch, Annual Rate	32.1	-18.3	2.9	13.3	25.0	-13.5	3.7	4.4
Durable Manufacturing	18.602	17.454	17.549	18.145	19.443	18.548	18.724	18.938
% Ch, Annual Rate	37.7	-22.5	2.2	14.3	31.8	-17.2	3.8	4.7
Nondurable Manufacturing	4.806	4.802	4.868	4.980	5.008	5.035	5.071	5.115
% Ch, Annual Rate	13.0	-0.3	5.6	9.6	2.2	2.2	2.9	3.5
Nonmanufacturing	203.623	205.766	208.334	212.002	214.719	217.487	220.314	223.044
% Ch, Annual Rate	19.7	4.3	5.1	7.2	5.2	5.3	5.3	5.1
Other Private Wages	1.331	1.405	1.388	1.367	1.388	1.398	1.414	1.429
% Ch, Annual Rate	14.9	23.9	-4.6	-5.8	6.3	2.7	4.7	4.4
Farm Wages	1.487	1.497	1.528	1.531	1.566	1.583	1.611	1.637
% Ch, Annual Rate	3.4	3.0	8.5	0.8	9.3	4.6	7.2	6.7
Military Wages	4.261	4.277	4.380	4.383	4.436	4.463	4.487	4.497
% Ch, Annual Rate	3.4	1.5	10.0	0.3	4.9	2.5	2.1	0.9
Nonwage Personal Income	217.339	219.958	222.345	225.498	227.000	229.796	231.864	234.579
% Ch, Annual Rate	4.1	4.9	4.4	5.8	2.7	5.0	3.6	4.8
Supplements to Wages and Salaries	50.872	51.314	52.066	52.481	52.995	53.501	53.976	54.560
% Ch, Annual Rate	11.0	3.5	6.0	3.2	4.0	3.9	3.6	4.4
Proprietor's Income	36.656	37.213	37.549	38.002	37.849	37.801	37.742	37.555
% Ch, Annual Rate	4.8	6.2	3.7	4.9	-1.6	-0.5	-0.6	-2.0
Farm	1.687	1.780	1.630	1.701	1.435	1.207	1.057	1.013
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	34.969	35.433	35.919	36.301	36.414	36.594	36.685	36.541
% Ch, Annual Rate	6.4	5.4	5.6	4.3	1.2	2.0	1.0	-1.6
Less: Contribution For Govt. Soc. Ins.	38.431	38.734	39.487	39.856	40.496	40.929	41.381	41.713
% Ch, Annual Rate	17.5	3.2	8.0	3.8	6.6	4.3	4.5	3.2
Plus: Residence Adjustment	4.360	4.386	4.390	4.420	4.471	4.533	4.601	4.663
% Ch, Annual Rate	-2.3	2.4	0.3	2.8	4.6	5.7	6.1	5.5
Dividends/Int./Rent	99.822	101.074	102.472	104.329	103.405	104.840	106.029	107.796
% Ch, Annual Rate	4.7	5.1	5.6	7.4	-3.5	5.7	4.6	6.8
Transfer Payments	64.061	64.705	65.356	66.122	68.777	70.050	70.897	71.719
% Ch, Annual Rate	5.5	4.1	4.1	4.8	17.1	7.6	4.9	4.7
State U.I. Benefits	0.984	0.914	0.902	0.898	1.056	1.056	0.985	0.946
% Ch, Annual Rate	5.1	-25.6	-5.1	-1.8	91.3	0.0	-24.6	-14.7
Other Transfers	63.077	63.790	64.454	65.223	67.720	68.993	69.912	70.773
% Ch, Annual Rate	5.5	4.6	4.2	4.9	16.2	7.7	5.4	5.0



Table A3.4 (continued)

**Washington Personal Income by Component (Billions of Dollars)**

Forecast 2019 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Personal Income	495.433	501.949	507.868	513.686	520.372	526.398	532.414	538.574
% Ch, Annual Rate	5.2	5.4	4.8	4.7	5.3	4.7	4.7	4.7
Total Wage and Salary Disbursements	257.663	261.055	263.711	266.635	269.932	273.066	276.197	279.379
% Ch, Annual Rate	4.8	5.4	4.1	4.5	5.0	4.7	4.7	4.7
Manufacturing	24.263	24.421	24.589	24.794	25.033	25.271	25.511	25.762
% Ch, Annual Rate	3.5	2.6	2.8	3.4	3.9	3.9	3.9	4.0
Durable Manufacturing	19.113	19.238	19.374	19.541	19.732	19.922	20.111	20.309
% Ch, Annual Rate	3.7	2.6	2.9	3.5	4.0	3.9	3.9	4.0
Nondurable Manufacturing	5.150	5.183	5.215	5.253	5.301	5.349	5.400	5.453
% Ch, Annual Rate	2.7	2.6	2.5	2.9	3.8	3.6	3.9	4.0
Nonmanufacturing	225.743	228.902	231.319	233.977	236.935	239.756	242.569	245.434
% Ch, Annual Rate	4.9	5.7	4.3	4.7	5.2	4.8	4.8	4.8
Other Private Wages	1.444	1.461	1.473	1.488	1.505	1.520	1.536	1.552
% Ch, Annual Rate	4.2	4.8	3.5	4.0	4.6	4.3	4.2	4.2
Farm Wages	1.663	1.692	1.715	1.741	1.770	1.798	1.825	1.853
% Ch, Annual Rate	6.4	7.2	5.5	6.1	6.9	6.4	6.3	6.3
Military Wages	4.550	4.579	4.614	4.636	4.690	4.721	4.756	4.778
% Ch, Annual Rate	4.8	2.6	3.1	1.9	4.7	2.7	3.0	1.9
Nonwage Personal Income	237.770	240.894	244.157	247.051	250.440	253.332	256.217	259.196
% Ch, Annual Rate	5.6	5.4	5.5	4.8	5.6	4.7	4.6	4.7
Supplements to Wages and Salaries	55.230	55.875	56.385	56.941	57.674	58.285	58.894	59.511
% Ch, Annual Rate	5.0	4.8	3.7	4.0	5.2	4.3	4.2	4.3
Proprietor's Income	37.612	37.724	37.967	38.192	38.446	38.605	38.757	38.940
% Ch, Annual Rate	0.6	1.2	2.6	2.4	2.7	1.7	1.6	1.9
Farm	1.030	1.095	1.215	1.339	1.490	1.613	1.690	1.723
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	36.582	36.629	36.752	36.853	36.956	36.993	37.067	37.218
% Ch, Annual Rate	0.4	0.5	1.4	1.1	1.1	0.4	0.8	1.6
Less: Contribution For Govt. Soc. Ins.	42.234	42.632	42.929	43.273	43.879	44.268	44.659	45.060
% Ch, Annual Rate	5.1	3.8	2.8	3.2	5.7	3.6	3.6	3.6
Plus: Residence Adjustment	4.723	4.785	4.838	4.895	4.957	5.021	5.084	5.150
% Ch, Annual Rate	5.2	5.4	4.5	4.8	5.2	5.2	5.2	5.3
Dividends/Int./Rent	109.415	111.219	113.072	114.539	116.097	117.624	119.139	120.706
% Ch, Annual Rate	6.1	6.8	6.8	5.3	5.6	5.4	5.3	5.4
Transfer Payments	73.024	73.924	74.823	75.756	77.145	78.065	79.003	79.948
% Ch, Annual Rate	7.5	5.0	5.0	5.1	7.5	4.9	4.9	4.9
State U.I. Benefits	1.006	1.047	1.112	1.162	1.210	1.258	1.301	1.345
% Ch, Annual Rate	27.7	17.6	26.9	19.2	17.5	17.1	14.2	14.4
Other Transfers	72.018	72.876	73.711	74.594	75.935	76.806	77.702	78.603
% Ch, Annual Rate	7.2	4.9	4.7	4.9	7.4	4.7	4.7	4.7

Table A3.4 (continued)

**Washington Personal Income by Component (Billions of Dollars)**

Forecast 2019 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
Personal Income	545.273	551.653	558.083	564.712	572.126	578.902	585.835	592.878
% Ch, Annual Rate	5.1	4.8	4.7	4.8	5.4	4.8	4.9	4.9
Total Wage and Salary Disbursements	282.726	286.153	289.673	293.339	297.257	301.070	304.931	308.836
% Ch, Annual Rate	4.9	4.9	5.0	5.2	5.5	5.2	5.2	5.2
Manufacturing	26.040	26.321	26.627	26.950	27.285	27.618	27.950	28.285
% Ch, Annual Rate	4.4	4.4	4.7	5.0	5.1	5.0	4.9	4.9
Durable Manufacturing	20.531	20.754	21.000	21.262	21.535	21.805	22.075	22.347
% Ch, Annual Rate	4.4	4.4	4.8	5.1	5.2	5.1	5.1	5.0
Nondurable Manufacturing	5.509	5.566	5.627	5.688	5.750	5.813	5.875	5.938
% Ch, Annual Rate	4.2	4.2	4.4	4.4	4.5	4.4	4.4	4.3
Nonmanufacturing	248.403	251.471	254.602	257.873	261.350	264.746	268.188	271.684
% Ch, Annual Rate	4.9	5.0	5.1	5.2	5.5	5.3	5.3	5.3
Other Private Wages	1.568	1.585	1.602	1.619	1.638	1.656	1.674	1.692
% Ch, Annual Rate	4.3	4.3	4.3	4.4	4.7	4.5	4.4	4.4
Farm Wages	1.882	1.912	1.942	1.973	2.006	2.038	2.070	2.103
% Ch, Annual Rate	6.4	6.4	6.4	6.6	6.9	6.5	6.5	6.5
Military Wages	4.833	4.865	4.901	4.923	4.979	5.012	5.048	5.072
% Ch, Annual Rate	4.6	2.7	3.0	1.9	4.6	2.7	2.9	1.9
Nonwage Personal Income	262.546	265.499	268.410	271.373	274.868	277.832	280.904	284.042
% Ch, Annual Rate	5.3	4.6	4.5	4.5	5.3	4.4	4.5	4.5
Supplements to Wages and Salaries	60.261	60.918	61.587	62.272	63.097	63.785	64.478	65.177
% Ch, Annual Rate	5.1	4.4	4.5	4.5	5.4	4.4	4.4	4.4
Proprietor's Income	39.080	39.277	39.450	39.613	39.739	39.895	40.092	40.320
% Ch, Annual Rate	1.4	2.0	1.8	1.7	1.3	1.6	2.0	2.3
Farm	1.716	1.683	1.636	1.588	1.546	1.515	1.498	1.492
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	37.363	37.594	37.814	38.025	38.193	38.380	38.594	38.828
% Ch, Annual Rate	1.6	2.5	2.4	2.3	1.8	2.0	2.3	2.4
Less: Contribution For Govt. Soc. Ins.	45.696	46.142	46.603	47.086	47.827	48.336	48.852	49.375
% Ch, Annual Rate	5.8	4.0	4.1	4.2	6.4	4.3	4.3	4.4
Plus: Residence Adjustment	5.218	5.287	5.358	5.431	5.505	5.579	5.654	5.730
% Ch, Annual Rate	5.4	5.4	5.5	5.5	5.6	5.5	5.5	5.5
Dividends/Int./Rent	122.241	123.796	125.327	126.913	128.408	129.878	131.410	132.965
% Ch, Annual Rate	5.2	5.2	5.0	5.2	4.8	4.7	4.8	4.8
Transfer Payments	81.443	82.363	83.291	84.231	85.946	87.031	88.122	89.223
% Ch, Annual Rate	7.7	4.6	4.6	4.6	8.4	5.1	5.1	5.1
State U.I. Benefits	1.387	1.410	1.438	1.466	1.498	1.532	1.577	1.621
% Ch, Annual Rate	12.8	6.8	8.4	7.9	8.9	9.4	12.3	11.8
Other Transfers	80.056	80.953	81.852	82.765	84.449	85.499	86.546	87.602
% Ch, Annual Rate	7.6	4.6	4.5	4.5	8.4	5.1	5.0	5.0