

U.S. Private Sector Job Quality Index

FOR IMMEDIATE RELEASE

As of September 2, 2022

Research/Technical: 716-645-3299

Cristian I. Tiu ctiu@buffalo.edu

Media Contact: 716-645-2833

Jackie Ghosen ghosen@buffalo.edu

THE U.S. PRIVATE SECTOR JOB QUALITY INDEX (JQI)[®] August 2022

Following the release of the [Employment Situation Report](#) for July 2022 by the **U.S. Bureau of Labor Statistics (BLS)**, the **U.S. Private Sector Job Quality Index (JQI)[®]** has been revised to a level of **81.29**, up by **0.01%** from its revised level one month earlier and reflecting a slightly **lower** proportion - relative to the prior month - of U.S. production and non-supervisory (P&NS) jobs paying less than the mean weekly income of all P&NS jobs (“Low Quality Jobs”), relative to those jobs paying above such mean. *With this latest report from the BLS, the impact of the COVID19 global pandemic can be deemed to have almost fully abated, although the dramatic growth in wages necessary to attract workers back to employment and the lasting changes in labor force participation will continue to have an impact on the JQI relative to pre-pandemic periods. Accordingly, the JQI may rise or fall more sharply for a period of time to the extent that changes in labor force composition, as offset by the significantly higher benchmark mean weekly income levels compared to pre-pandemic levels, impact the index.*

The mean weekly wage income of all P&NS jobs as of the current reading (which reflects the level as of July 2022) increased to **\$935.71**, a change of **+0.55%** from its revised level the month prior. The **JQ-Instant[™]** preliminary read of the **308,000 gain** in **all** private sector, non-farm payrolls for August 2022 shows that **43.20%** of such **gain** in private sector jobs were in industry sectors offering P&NS jobs with an average weekly income below the mean weekly income of all P&NS jobs (i.e. Low Quality Jobs).

The August report showed more favorable growth for production and non-supervisory hourly wages in the lower paying sectors than in either the higher paying sectors or for all employees. But seasonal factors remain a substantial influence on these numbers as conventional adjustments were not designed to accommodate the surges of demand for labor, and the labor movement, that accompany the post-pandemic reopening. For example, total job formation/restoration in August was +54,000 unadjusted, versus +308,000 adjusted. Similar outcomes are seen in wage and hours adjustments. The fourth quarter of 2022 should give us some answers.

Chart 1: JQI Levels July 2021 to July 2022

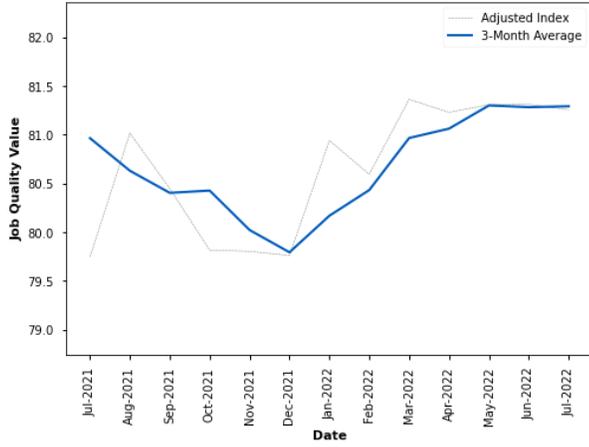
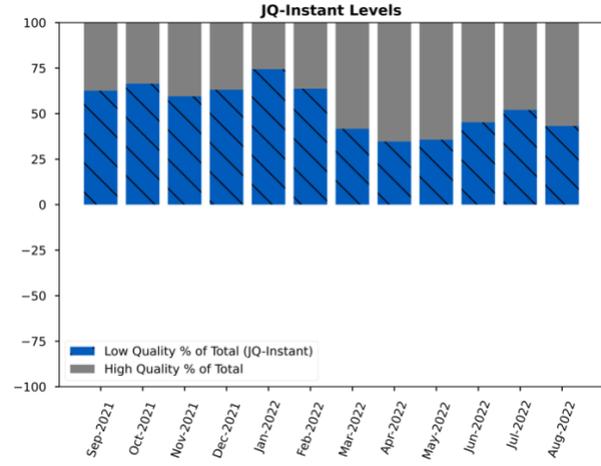


Chart 2: JQI Instant™ for 12 months ending



This news release presents data from the most recent **JQI** and **JQI-Instant** readings calculated through the month immediately prior to the month of this release date. The **JQI** assesses job quality in the United States by measuring desirable higher-wage/higher-hour jobs versus lower-wage/lower-hour jobs. The **JQI** offers a near-real time analytical tool to policymakers, researchers and financial market participants with relevance to a variety of trends in the economy at large. While economists and international organizations have developed other, complementary conceptions of job quality such as those addressing the emotional satisfaction employees derive from their jobs, the **JQI** interprets “job quality” as meaning the weekly dollar-income a job generates for an employee.

The **JQI** analyzes a representative sample of the economy using production and non-supervisory job (P&NS) data from 180 different industry groups spanning across all 20 super-sectors into which the BLS groups establishments. The principal data utilized is contained in the Current Employment Survey (CES, also often referred to as the establishment survey) P&NS data on average weekly hours (AWH), average hourly wage (AHW) and total employment for each given industry group (seasonally adjusted, in all cases). The **JQI** is updated on a monthly basis contemporaneously with the release of new CES data from the BLS.

The **JQI** establishes a Quality Job Benchmark for each given month. The benchmark value is indicated by the average weighted weekly wage within the set of 180 industry groups, and weighted for the number of jobs in each group. Once the benchmark is established for that given month, each industry group is sorted into low or high quality by comparing each group’s specific weekly wage to the quality benchmark. If an industry’s weekly wage for the month is below (above) the benchmark, then it is considered low (high)-quality job.

Once the data are sorted, the total number of high-quality jobs is divided by the total number of low-quality jobs for that given month. This ratio represents the preliminary **JQI** value. An index reading of 100 would indicate an even distribution. Readings below 100 indicate a greater concentration in/prevalence of lower-quality (those below the mean) positions, and a reading above 100 indicates greater concentration/prevalence of higher-quality positions. It should be noted that the total number of “jobs” is represented by the total number of positions, as opposed to workers, for that given industry group.

The Preliminary **JQI** measure is then further adjusted in the case of certain industries that (i) support a significantly large number of jobs, relative to other industry groups that are used in computing the **JQI**, and (ii) generate weekly wages at or near the quality benchmark and contain a sufficient number of jobs such that minor movements in weekly wages would have the effect of moving them from one side of the quality benchmark to the other from month to month, thereby resulting in unintended statistical fluctuations that can be remedied by further sectoral subdivision.

To address such larger groups of employees, the **JQI** parameterizes a flip category as an industry that contains more than a million employees and has an average weekly wage that typically falls within +/- 10% of the Job Quality Benchmark for a time span of ten or more years. Flip category industries are separated into subcategories below which further sub-

category analysis would render little-to-no material difference in internal composition of high income to lower income jobs, with the outcome of the flip category adjustments being the elimination of large and distortive groups suddenly moving from one side of the Job Quality Benchmark mean to the other during the life of the index (although the sub-categories may exhibit such moves). Industries that satisfy this parameter for the inception date of the JQI to date are listed below:

Flip Category	P&NS Employees (December 2018)
Education	3,197,100
Offices of Physicians	2,202,000
Depository Credit Intermediation	1,277,600
Food Manufacturing	1,276,300

In the aggregate, these four categories comprised just over 7.5% of all private sector P&NS jobs in the U.S., as of December 2018.

The above sectors are subdivided using data provided by the annual Occupational Employment Statistics (OES) survey, which is released by the BLS annually in late March or early April. The OES provides a more detailed breakdown of the wages for each occupation in each industry group. To maintain consistency, OES occupations in the foregoing flip categories that involve supervisory roles are not included. Information from the OES is applied to assess how many jobs within each flip industry are high- or low-quality occupations from the standpoint of weekly income and thereby split the larger industry category into subcategories. For this analysis, the OES data is filtered to only include major occupations within each industry; usually, this includes up to 24 different occupations.

Weekly wages derived from the OES are then compared to the weekly wage benchmarks used in the preliminary **JQI** index. The occupations are then assigned a quality of high or low depending on whether they are above or below the benchmark.

Following the foregoing adjustments, the total number of high-quality jobs are divided by the total number of jobs for each category. This results in the percentage of high-quality jobs (and, correspondingly, low-quality jobs) for each of the flip categories. The relative percentage of high-quality/low-quality jobs is now used to normalize and adjust each flip category, by multiplying the percentage of high-quality/low-quality jobs by the CES employment count so that each flip category industry is split into two groups, which are then independently used in the overall **JQI** calculation.

Because the OES data is released annually, the intra-year percentage divisions of the flip category industry groups are adjusted annually, as well. Such adjustments are calculated to commence with **JQI** data released beginning in May of each year, through to the following April.

Finally, it should be noted that certain industry subgroup data lags data for larger categories by one month because of BLS data release schedules. Furthermore, while the raw **JQI** is otherwise statistically consistent from month to month, even the adjustments heretofore

mentioned do not remove all distracting statistical noise in movements of the index from month to month. The **JQI** is more useful to other analysis and forecasting when observed on the basis of a three-month moving average, and the headline **JQI** index is reported as such.

For a full description of the calculation of the JQI, please see: [the November 2019 white paper introducing the U.S. Private Sector Job Quality Index](#).

The **JQ-Instant** is a snapshot index that results from the subdivision of the change in the CES calculation of all private sector jobs (not just P&NS jobs) for the subject month into high-quality and low-quality jobs, utilizing the **JQI** sectoral divisions for P&NS jobs. Thus, if a marginal job is created or lost in a sector that the **JQI** classifies as high-quality, all private sector jobs created or lost in the subject month are considered high-quality for the purposes of the **JQ-Instant** calculation – the reverse being the case for low-quality jobs. **JQ-Instant** readings are revised in subsequent months commensurate with revisions to the CES data by the BLS.

The **JQ-Instant** calculation utilizes 123 sectoral categories, in contrast to the 172 used in the **JQI** itself, because of a one month delay in the BLS reporting of more granular data. Because **JQ-Instant** inherently assumes that all industry categories and subcategories that are on one side or another of the Quality Job Benchmark for purposes of the **JQI** (which analyzes only P&NS jobs) are also on the same side when considering all jobs (i.e. P&NS as well as managerial/ supervisory jobs), there may occasionally be certain industry categories that may flip from one quality designation to the other when all jobs are considered, making the **JQ-Instant** reading somewhat inaccurate. In general, however, industries offering high or low quality P&NS jobs (82.5% of all jobs) are generally in the same category when all jobs are considered, making the JQ-Instant reading a useful tool for a snapshot analysis of the job quality of the subject month's level of total private sector jobs gained or lost.

Finally, the **JQ-Instant** reading has implications for the likely direction of the **JQI** itself in future months. As the **JQI** is reported as a three-month rolling average of actual monthly readings, significant imbalances (readings varying from an even distribution between high and low quality jobs) in the **JQ-Instant** results would suggest future **JQI** readings moving in the direction of the dominant side of such distribution.

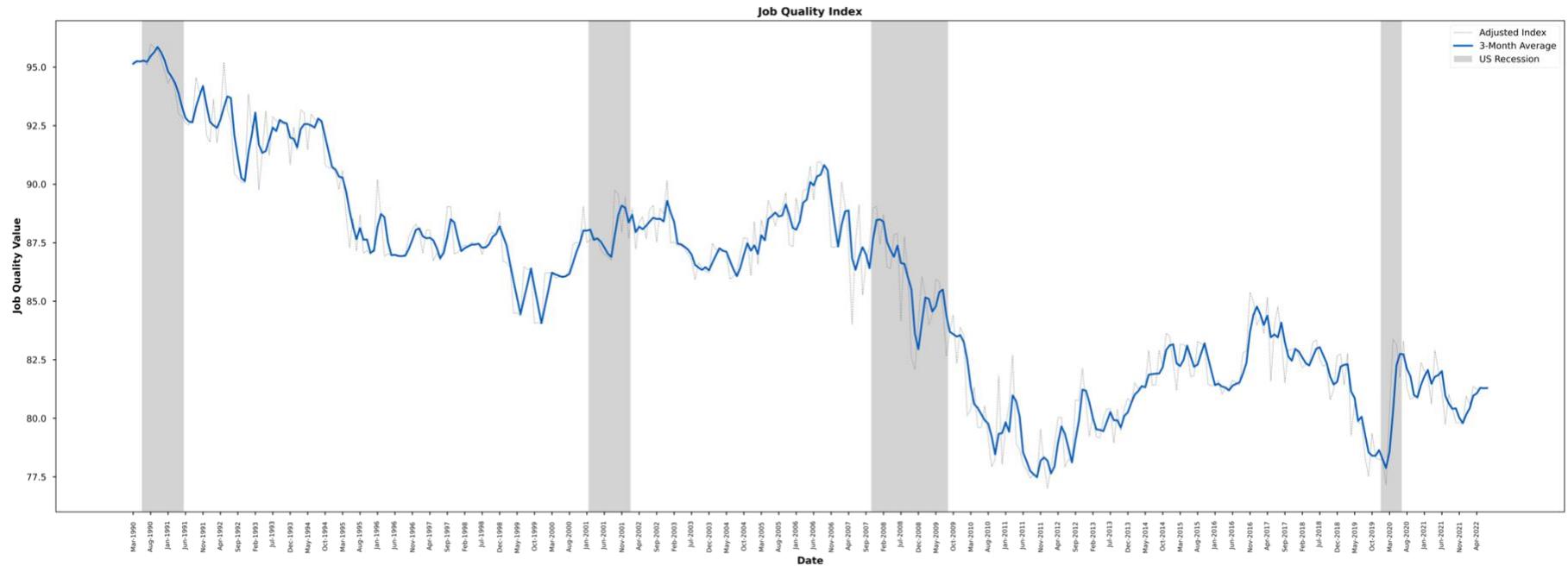
JQ-Instant is reported on a scale of +100 to -100, reflecting the relative proportion of low quality jobs. Positive readings indicate overall net month over month gains in all U.S. private sector jobs. Negative readings indicate overall net month over month losses in all U.S. private sector jobs. A reading of +100 would indicate that all jobs gained in the subject month are low quality jobs. A reading of -100 would indicate that all jobs lost in the subject month are low quality jobs. A **JQ-Instant** reading of +50 would indicate that 50% of the overall jobs gained in the subject month are low quality jobs, and a reading of -50 would indicate that 50% of the overall jobs lost in the subject month are low quality jobs, and so forth.

For an explanatory video on the JQI, please see: www.vimeo.com/jqi

[Remainder of page left blank intentionally]



Chart 3: The U.S. Job Quality Index from Inception to July 2022
(Reported as 3-month moving average, monthly readings in blue, recessions shown in grey)



Industry Category	Total Number of Jobs (000)	Mean Weekly Income				Change in \$ from June 2022 - July 2022	% Change from June 2022 - July 2022	Change in \$ from July 2021 - July 2022	% Change from July 2021 - July 2022
		July 2021	May 2022	June 2022	July 2022				
		Jul-22	July 2021	May 2022	June 2022				
Total Private Production and Non-supervisory Jobs.....	106112.00	\$886.15	\$927.92	\$930.63	\$935.71	\$5.08	0.55%	\$49.55	5.9%
Total High Quality Production and Non-supervisory Job.....	47569.45	\$1217.08	\$1271.57	\$1275.83	\$1284.33	\$8.49	0.67%	\$67.25	5.3%
Accounting and bookkeeping services.....	805.40	\$1013.60	\$1038.08	\$1058.11	\$1059.00	\$0.89	0.08%	\$45.40	4.48%
Activities related to credit intermediation.....	262.50	\$995.25	\$1043.47	\$1068.99	\$1070.07	\$1.08	0.10%	\$74.82	7.52%
Activities related to real estate.....	560.90	\$936.77	\$987.82	\$995.60	\$1010.31	\$14.71	1.48%	\$73.54	7.85%
Advertising and related services.....	363.80	\$1225.11	\$1274.04	\$1271.63	\$1292.40	\$20.77	1.63%	\$67.29	5.49%
Agriculture, construction & mining machinery mfg.....	146.20	\$1057.59	\$1151.90	\$1156.11	\$1154.55	(\$1.56)	-0.13%	\$96.97	9.17%
Air transportation.....	493.60	\$1221.66	\$1353.46	\$1353.00	\$1362.51	\$9.51	0.70%	\$140.85	11.53%
Alcoholic beverage wholesalers.....	166.40	\$1012.42	\$1010.39	\$1007.72	\$1044.04	\$36.31	3.60%	\$31.62	3.12%
Apparel & piece goods wholesalers.....	115.70	\$933.08	\$1008.48	\$1017.26	\$1030.22	\$12.96	1.27%	\$97.15	10.41%
Architectural and engineering services.....	1223.40	\$1431.69	\$1511.25	\$1503.49	\$1515.54	\$12.06	0.80%	\$83.85	5.86%
Automobile dealers.....	1043.60	\$972.68	\$1019.78	\$1022.39	\$1027.46	\$5.07	0.50%	\$54.78	5.63%
Broadcasting excluding Internet.....	183.40	\$1067.95	\$1143.62	\$1148.83	\$1171.00	\$22.17	1.93%	\$103.05	9.65%
Building equipment contractors.....	1768.60	\$1287.31	\$1357.58	\$1361.31	\$1373.50	\$12.18	0.90%	\$86.19	6.70%
Building finishing contractors.....	644.10	\$1030.64	\$1098.06	\$1085.59	\$1082.66	(\$2.93)	-0.27%	\$52.02	5.05%
Building foundation and exterior contractors.....	752.40	\$1067.40	\$1161.55	\$1143.00	\$1160.01	\$17.00	1.49%	\$92.61	8.68%
Chemical merchant wholesalers.....	107.30	\$1186.56	\$1236.24	\$1226.44	\$1243.98	\$17.54	1.43%	\$57.42	4.84%
Chemical mfg.....	572.90	\$1115.52	\$1114.69	\$1109.21	\$1111.52	\$2.31	0.21%	(\$4.00)	-0.36%
Commercial & service industry machinery mfg.....	57.00	\$1219.34	\$1174.50	\$1175.06	\$1166.20	(\$8.85)	-0.75%	(\$53.14)	-4.36%
Commercial equipment wholesalers.....	557.70	\$1325.02	\$1310.64	\$1335.95	\$1360.33	\$24.38	1.82%	\$35.31	2.66%
Commercial machinery repair & maintenance services.....	195.20	\$1166.44	\$1152.58	\$1157.51	\$1180.75	\$23.25	2.01%	\$14.31	1.23%
Computer & electronic mfg.....	657.60	\$1097.26	\$1141.86	\$1125.18	\$1138.68	\$13.50	1.20%	\$41.41	3.77%
Computer systems design & related services.....	1938.30	\$1804.58	\$1889.34	\$1928.07	\$1941.89	\$13.82	0.72%	\$137.31	7.61%
Data processing, hosting & related services.....	336.10	\$1677.83	\$1630.96	\$1643.25	\$1637.04	(\$6.21)	-0.38%	(\$40.79)	-2.43%
Druggist goods wholesalers.....	187.50	\$1259.08	\$1251.75	\$1249.08	\$1237.24	(\$11.85)	-0.95%	(\$21.84)	-1.73%
Electric goods wholesalers.....	271.80	\$1191.81	\$1240.09	\$1244.00	\$1261.95	\$17.95	1.44%	\$70.13	5.88%
Electrical & appliance mfg.....	274.00	\$944.14	\$1018.17	\$1021.59	\$1018.67	(\$2.93)	-0.29%	\$74.53	7.89%
Electronic equipment repair & maintenance services.....	82.70	\$1068.55	\$1159.94	\$1173.86	\$1199.21	\$25.35	2.16%	\$130.65	12.23%
Engine, turbine & power transmission equipment mfg.....	61.40	\$1235.15	\$1042.80	\$1030.96	\$1040.16	\$9.20	0.89%	(\$194.99)	-15.79%
Fabricated metal mfg.....	1054.20	\$947.36	\$996.71	\$998.37	\$1004.42	\$6.04	0.61%	\$57.06	6.02%
Facilities support services.....	140.10	\$781.07	\$981.14	\$1020.80	\$1034.61	\$13.81	1.35%	\$253.54	32.46%
Farm product raw material wholesalers.....	60.90	\$908.12	\$1004.33	\$1003.00	\$976.61	(\$26.39)	-2.63%	\$68.50	7.54%
Freight transportation arrangement.....	204.20	\$997.53	\$1206.63	\$1203.37	\$1221.48	\$18.11	1.51%	\$223.95	22.45%
Furniture wholesalers.....	92.30	\$946.04	\$974.57	\$971.60	\$957.56	(\$14.04)	-1.44%	\$11.52	1.22%
General freight trucking.....	966.00	\$1128.79	\$1192.71	\$1166.59	\$1138.13	(\$28.46)	-2.44%	\$9.35	0.83%
Grocery & related wholesalers.....	645.70	\$945.17	\$987.67	\$984.45	\$999.21	\$14.76	1.50%	\$54.04	5.72%
Hardware & plumbing wholesalers.....	239.30	\$973.34	\$1012.68	\$998.55	\$1018.01	\$19.47	1.95%	\$44.68	4.59%
Highway, street, & bridge construction.....	268.30	\$1334.80	\$1496.72	\$1448.39	\$1480.12	\$31.73	2.19%	\$145.32	10.89%
Hospitals.....	4758.30	\$1305.52	\$1392.77	\$1405.02	\$1410.91	\$5.89	0.42%	\$105.39	8.07%
Independent artists, writers, and performers.....	46.30	\$1445.39	\$1324.45	\$1358.11	\$1261.11	(\$97.01)	-7.14%	(\$184.29)	-12.75%
Industrial machinery mfg.....	68.80	\$1130.04	\$1158.30	\$1182.93	\$1196.21	\$13.28	1.12%	\$66.17	5.86%
Insurance agencies, brokerages, and related services.....	968.00	\$1095.28	\$1150.60	\$1158.88	\$1164.25	\$5.37	0.46%	\$68.97	6.30%
Insurance carriers.....	1223.60	\$1306.93	\$1378.25	\$1388.08	\$1397.51	\$9.43	0.68%	\$90.58	6.93%
Legal services.....	893.00	\$1415.51	\$1470.95	\$1485.07	\$1495.97	\$10.90	0.73%	\$80.46	5.68%
Logging.....	39.00	\$950.53	\$1201.63	\$1218.92	\$1223.72	\$4.80	0.39%	\$273.19	28.74%
Lumber & construction supplies wholesalers.....	208.80	\$1050.67	\$1101.65	\$1109.64	\$1117.47	\$7.84	0.71%	\$66.80	6.36%
Machinery and equipment rental and leasing.....	126.90	\$1173.75	\$1318.43	\$1325.44	\$1379.61	\$54.17	4.09%	\$205.86	17.54%
Machinery, equipment & suppliers wholesalers.....	568.70	\$1179.02	\$1244.18	\$1233.54	\$1251.95	\$18.41	1.49%	\$72.92	6.19%
Management & technical consulting services.....	1352.70	\$1371.96	\$1445.33	\$1444.67	\$1448.32	\$3.65	0.25%	\$76.36	5.57%
Management of companies & enterprises.....	1509.60	\$1243.12	\$1222.83	\$1227.26	\$1229.52	\$2.26	0.18%	(\$13.60)	-1.09%
Medical and diagnostic laboratories.....	262.70	\$1048.15	\$1080.59	\$1069.46	\$1082.60	\$13.14	1.23%	\$34.44	3.29%
Merchant wholesalers, misc. durable goods.....	229.90	\$857.40	\$936.14	\$950.42	\$951.59	\$1.17	0.12%	\$94.19	10.99%
Metal & mineral wholesalers.....	108.10	\$1079.70	\$1151.41	\$1149.82	\$1128.33	(\$21.49)	-1.87%	\$48.63	4.50%
Metalworking machinery mfg.....	109.20	\$1022.13	\$1094.69	\$1097.81	\$1091.72	(\$6.09)	-0.55%	\$69.59	6.81%
Mining, except oil and gas.....	140.50	\$1328.20	\$1465.14	\$1492.03	\$1567.57	\$75.53	5.06%	\$239.37	18.02%
Motor vehicles & parts wholesalers.....	291.80	\$941.26	\$987.91	\$995.87	\$1001.55	\$5.67	0.57%	\$60.28	6.40%
Natural gas distribution.....	87.40	\$1902.32	\$2031.26	\$2011.05	\$2023.92	\$12.87	0.64%	\$121.60	6.39%
Nondepository credit intermediation.....	495.60	\$1233.62	\$1256.20	\$1275.36	\$1277.57	\$2.21	0.17%	\$43.94	3.56%
Nonmetallic mineral mfg.....	308.60	\$1019.84	\$1093.55	\$1093.69	\$1096.43	\$2.75	0.25%	\$76.59	7.51%
Nonresidential building construction.....	512.40	\$1367.81	\$1436.17	\$1440.13	\$1454.08	\$13.95	0.97%	\$86.27	6.31%
Office administrative services.....	459.60	\$1139.94	\$1193.15	\$1212.06	\$1212.34	\$0.28	0.02%	\$72.40	6.35%
Oil and gas extraction.....	88.40	\$1571.36	\$1722.20	\$1784.38	\$1765.65	(\$18.73)	-1.05%	\$194.29	12.36%
Other ambulatory health care services.....	274.30	\$916.21	\$1000.15	\$1002.46	\$1016.38	\$13.92	1.39%	\$100.17	10.93%
Other financial investment activities, including funds and trusts.....	419.60	\$1630.55	\$1754.11	\$1755.65	\$1785.64	\$29.99	1.71%	\$155.09	9.51%
Other information services.....	338.20	\$1272.89	\$1306.17	\$1322.74	\$1377.38	\$54.64	4.13%	\$104.49	8.21%
Other specialty construction trade contractors.....	589.70	\$1147.36	\$1202.15	\$1208.01	\$1222.50	\$14.49	1.20%	\$75.15	6.55%
Outpatient care centers.....	874.40	\$993.81	\$1067.33	\$1074.40	\$1098.20	\$23.80	2.22%	\$104.39	10.50%
Paper & paper products wholesalers.....	94.20	\$1042.47	\$1111.14	\$1093.68	\$1089.12	(\$4.56)	-0.42%	\$46.65	4.47%

Table 1A: Industry Categories Above the Quality Job Benchmark (Mean Weekly Wage)										
Continued	Total Number of Jobs (000)	Mean Weekly Income				Change in \$ from June 2022 - July 2022	% Change from June 2022 - July 2022	Change in \$ from July 2021 - July 2022	% Change from July 2021 - July 2022	
		Industry Category	July 2021	May 2022	June 2022					July 2022
		Jul-22								
Paper and paper products.....	274.20	\$1030.61	\$1037.47	\$1025.56	\$1054.59	\$29.04	2.83%	\$23.98	2.33%	
Petroleum wholesalers.....	85.10	\$1051.61	\$1267.27	\$1275.02	\$1359.29	\$84.27	6.61%	\$307.68	29.26%	
Plastic product mfg.....	464.90	\$882.38	\$935.45	\$932.77	\$938.75	\$5.98	0.64%	\$56.37	6.39%	
Plywood & engineered wood mfg.....	68.00	\$910.02	\$962.33	\$943.89	\$965.71	\$21.81	2.31%	\$55.68	6.12%	
Power generation and supply.....	303.10	\$1725.70	\$1843.20	\$1859.54	\$1836.98	(\$22.56)	-1.21%	\$111.28	6.45%	
Primary metal mfg.....	281.00	\$1084.13	\$1195.20	\$1173.94	\$1177.44	\$3.50	0.30%	\$93.31	8.61%	
Publishing Excluding Internet.....	646.40	\$1562.88	\$1641.27	\$1662.94	\$1634.32	(\$28.61)	-1.72%	\$71.44	4.57%	
Residential building construction.....	570.90	\$1016.94	\$1036.32	\$1035.23	\$1028.29	(\$6.94)	-0.67%	\$11.35	1.12%	
Rubber product mfg.....	101.10	\$983.97	\$1042.72	\$998.49	\$1038.95	\$40.46	4.05%	\$54.99	5.59%	
Sawmill & wood preservation mfg.....	74.80	\$910.16	\$976.53	\$976.85	\$996.26	\$19.41	1.99%	\$86.10	9.46%	
Scientific research & development services.....	681.20	\$1805.71	\$1969.77	\$1960.04	\$1955.39	(\$4.65)	-0.24%	\$149.68	8.29%	
Securities, commodity contracts, brokerage & exchanges.....	350.70	\$1875.46	\$1982.69	\$2052.74	\$2022.46	(\$30.27)	-1.47%	\$147.00	7.84%	
Specialized design services.....	111.30	\$1080.00	\$1177.93	\$1174.88	\$1176.71	\$1.84	0.16%	\$96.71	8.95%	
Specialized freight trucking.....	406.60	\$1032.84	\$1120.47	\$1118.27	\$1125.58	\$7.31	0.65%	\$92.74	8.98%	
Support activities for air transportation.....	184.90	\$884.62	\$933.30	\$960.88	\$958.97	(\$1.90)	-0.20%	\$74.35	8.40%	
Support activities for mining.....	207.90	\$1602.12	\$1576.96	\$1620.84	\$1593.68	(\$27.16)	-1.68%	(\$8.44)	-0.53%	
Support activities for other transportation, including rail.....	68.10	\$1053.31	\$986.97	\$970.32	\$943.11	(\$27.21)	-2.80%	(\$110.20)	-10.46%	
Support activities for road transportation.....	101.40	\$927.78	\$1017.27	\$1039.22	\$1013.46	(\$25.76)	-2.48%	\$85.68	9.23%	
Support activities for water transportation.....	82.00	\$1243.54	\$1352.76	\$1302.48	\$1363.40	\$60.92	4.68%	\$119.87	9.64%	
Telecommunications services.....	562.80	\$1215.63	\$1278.43	\$1267.11	\$1276.86	\$9.75	0.77%	\$61.23	5.04%	
Transportation equipment mfg.....	1200.40	\$1252.05	\$1292.47	\$1294.44	\$1317.19	\$22.75	1.76%	\$65.14	5.20%	
Utility system construction.....	461.40	\$1323.00	\$1467.00	\$1454.50	\$1457.98	\$3.49	0.24%	\$134.98	10.20%	
Water, sewage and other systems.....	43.50	\$1100.38	\$1083.99	\$1097.07	\$1074.24	(\$22.83)	-2.08%	(\$26.14)	-2.38%	
Wholesale electronic agents & brokers.....	386.90	\$1356.40	\$1389.60	\$1384.11	\$1387.52	\$3.41	0.25%	\$31.12	2.29%	

Industry Category	Total Number of Jobs (000)	Mean Weekly Income				Change in \$ from June 2022 - July 2022	% Change from June 2022 - July 2022	Change in \$ from July 2021 - July 2022	% Change from July 2021 - July 2022
		July 2021	May 2022	June 2022	July 2022				
		July 2021	May 2022	June 2022	July 2022				
Total Private Production and Non-supervisory Jobs.....	106112.00	\$886.15	\$927.92	\$930.63	\$935.71	\$5.08	0.55%	\$49.55	5.59%
Total Low Quality Production and Non-supervisory Job.....	58542.55	\$622.24	\$648.51	\$649.94	\$652.43	\$2.49	0.38%	\$30.18	4.85%
Agents, promoters & managers of arts, sports, & similar events.....	140.70	\$538.11	\$565.50	\$577.47	\$586.48	\$9.01	1.56%	\$48.38	8.99%
Amusements, gambling, and recreation industries.....	1403.80	\$362.29	\$397.10	\$398.58	\$399.15	\$0.57	0.14%	\$36.87	10.18%
Apparel mfg.....	70.40	\$672.36	\$710.81	\$745.32	\$753.62	\$8.30	1.11%	\$81.26	12.09%
Auto parts, accessories, & tire stores.....	449.20	\$721.60	\$772.05	\$786.42	\$774.50	(\$11.92)	-1.52%	\$52.91	7.33%
Auto repair & maintenance services.....	802.20	\$749.42	\$795.72	\$798.16	\$813.12	\$14.96	1.87%	\$63.70	8.50%
Beer, wine, and liquor stores.....	139.00	\$433.40	\$439.01	\$435.21	\$438.90	\$3.69	0.85%	\$5.50	1.27%
Book stores & news dealers.....	55.30	\$313.38	\$323.36	\$290.12	\$304.07	\$13.96	4.81%	(\$9.30)	-2.97%
Building material and supplies dealers.....	957.10	\$768.06	\$799.69	\$790.30	\$798.00	\$7.70	0.97%	\$29.94	3.90%
Business support services.....	660.10	\$682.97	\$670.10	\$673.71	\$695.31	\$21.60	3.21%	\$12.34	1.81%
Cafeterias, grill buffets, and buffets.....	62.70	\$369.29	\$346.79	\$363.98	\$363.49	(\$0.49)	-0.13%	(\$5.80)	-1.57%
Child day care services.....	852.40	\$503.06	\$534.44	\$535.30	\$539.92	\$4.62	0.86%	\$36.86	7.33%
Clothing stores.....	648.60	\$386.01	\$397.32	\$397.75	\$398.83	\$1.07	0.27%	\$12.82	3.32%
Community care facilities for the elderly.....	785.90	\$553.63	\$603.78	\$604.72	\$607.15	\$2.44	0.40%	\$53.52	9.67%
Courier and messenger services.....	966.00	\$699.42	\$752.76	\$766.04	\$742.02	(\$24.03)	-3.14%	\$42.59	6.09%
Death care services.....	112.70	\$647.14	\$629.30	\$638.74	\$658.88	\$20.14	3.15%	\$11.74	1.81%
Drinking places, alcoholic beverages.....	345.00	\$400.84	\$428.50	\$415.88	\$419.61	\$3.73	0.90%	\$18.77	4.68%
Drycleaning and laundry services.....	203.80	\$578.03	\$644.94	\$641.75	\$654.72	\$12.97	2.02%	\$76.70	13.27%
Emergency and other relief services.....	154.60	\$705.83	\$737.26	\$742.90	\$749.49	\$6.59	0.89%	\$43.66	6.19%
Employment services.....	3639.90	\$795.08	\$859.56	\$862.65	\$861.28	(\$1.37)	-0.16%	\$66.20	8.33%
Florists.....	48.00	\$352.00	\$313.49	\$346.05	\$434.70	\$88.65	25.62%	\$82.70	23.49%
Full-service restaurants.....	4619.80	\$439.04	\$451.02	\$445.17	\$447.72	\$2.56	0.57%	\$8.68	1.98%
Furniture mfg.....	281.20	\$760.89	\$861.49	\$856.73	\$849.27	(\$7.45)	-0.87%	\$88.38	11.62%
Furniture stores.....	180.40	\$821.00	\$802.41	\$788.18	\$787.92	(\$0.25)	-0.03%	(\$33.08)	-4.03%
Gasoline stations.....	812.80	\$432.56	\$480.73	\$478.80	\$483.66	\$4.86	1.02%	\$51.10	11.81%
General merchandise stores.....	3065.80	\$484.20	\$497.34	\$499.59	\$501.30	\$1.71	0.34%	\$17.09	3.53%
Grocery stores.....	2506.00	\$419.16	\$448.66	\$449.60	\$450.52	\$0.92	0.20%	\$31.36	7.48%
Home furnishings stores.....	182.90	\$526.88	\$560.99	\$568.98	\$563.37	(\$5.61)	-0.99%	\$36.49	6.92%
Home health care services.....	1434.50	\$606.82	\$627.98	\$627.26	\$629.97	\$2.70	0.43%	\$23.15	3.81%
Household goods repair & maintenance services.....	62.70	\$777.95	\$759.11	\$740.25	\$737.56	(\$2.69)	-0.36%	(\$40.39)	-5.19%
Individual and family services.....	2480.30	\$501.41	\$539.32	\$543.22	\$550.42	\$7.20	1.33%	\$49.01	9.77%
Investigation & security services.....	827.30	\$752.98	\$832.65	\$836.53	\$842.79	\$6.26	0.75%	\$89.81	11.93%
Jewelry, luggage, & leather goods stores.....	88.00	\$672.59	\$650.63	\$647.81	\$649.69	\$1.88	0.29%	(\$22.90)	-3.41%
Lawn and garden equipment and supplies stores.....	153.10	\$573.03	\$577.53	\$583.39	\$580.72	(\$2.67)	-0.46%	\$7.69	1.34%
Lessors of real estate.....	451.80	\$813.72	\$861.12	\$866.42	\$880.82	\$14.41	1.66%	\$67.11	8.25%
Limited-service restaurants.....	3992.10	\$336.65	\$355.72	\$358.37	\$363.00	\$4.63	1.29%	\$26.35	7.83%
Medical equipment & supplies mfg.....	219.90	\$877.44	\$911.99	\$920.18	\$916.28	(\$3.90)	-0.42%	\$38.84	4.43%
Membership associations & organizations.....	2280.50	\$805.42	\$807.10	\$810.17	\$809.98	(\$0.19)	-0.02%	\$4.56	0.57%
Misc. nondurable goods wholesalers.....	257.50	\$857.75	\$920.04	\$912.73	\$928.33	\$15.60	1.71%	\$70.58	8.23%
Motion picture & sound recording industries.....	352.30	\$1075.50	\$854.56	\$888.93	\$881.44	(\$7.50)	-0.84%	(\$194.06)	-18.04%
Museums, historical sites, and similar institutions.....	122.40	\$558.35	\$578.93	\$588.80	\$591.12	\$2.31	0.39%	\$32.77	5.87%
Nonstore retailers.....	524.50	\$831.81	\$813.40	\$825.39	\$800.91	(\$24.48)	-2.97%	(\$30.91)	-3.72%
Nursing care facilities.....	1199.50	\$673.79	\$724.10	\$730.57	\$730.62	\$0.05	0.01%	\$56.83	8.43%
Office supplies, stationery, & gift stores.....	160.50	\$395.52	\$368.40	\$374.51	\$368.25	(\$6.27)	-1.67%	(\$27.28)	-6.90%
Offices of dentists.....	873.00	\$796.24	\$846.45	\$850.03	\$851.13	\$1.10	0.13%	\$54.88	6.89%
Offices of other health practitioners.....	888.40	\$760.94	\$797.64	\$795.08	\$794.87	(\$0.22)	-0.03%	\$33.93	4.46%
Offices of real estate agents and brokers.....	279.00	\$818.89	\$855.59	\$840.34	\$873.26	\$32.93	3.92%	\$54.37	6.64%
Other misc. mfg.....	191.80	\$823.70	\$879.39	\$882.60	\$873.50	(\$9.10)	-1.03%	\$49.80	6.05%
Other miscellaneous store retailers.....	310.60	\$568.26	\$572.23	\$569.85	\$569.56	(\$0.29)	-0.05%	\$1.30	0.23%
Other motor vehicle dealers.....	137.70	\$871.18	\$860.43	\$846.82	\$885.92	\$39.10	4.62%	\$14.74	1.69%
Other personal services.....	297.10	\$494.84	\$494.04	\$492.80	\$481.19	(\$11.61)	-2.36%	(\$13.65)	-2.76%
Other professional and technical services.....	673.00	\$878.74	\$904.08	\$909.76	\$931.42	\$21.66	2.38%	\$52.68	6.00%
Other residential care facilities.....	131.90	\$666.52	\$684.94	\$706.52	\$706.76	\$0.24	0.03%	\$40.24	6.04%
Other support services.....	266.50	\$754.45	\$808.06	\$821.75	\$847.35	\$25.60	3.12%	\$92.90	12.31%
Other wood product mfg.....	195.90	\$779.63	\$835.14	\$833.40	\$838.35	\$4.95	0.59%	\$58.73	7.53%
Performing arts companies.....	101.30	\$609.21	\$679.07	\$680.82	\$714.61	\$33.80	4.96%	\$105.40	17.30%
Personal care services.....	597.90	\$501.10	\$536.08	\$540.00	\$550.66	\$10.66	1.97%	\$49.55	9.89%
Printing & related mfg.....	258.30	\$825.95	\$845.52	\$848.30	\$838.11	(\$10.20)	-1.20%	\$12.16	1.47%
RV parks and recreational camps.....	57.50	\$437.61	\$464.23	\$447.63	\$484.25	\$36.62	8.18%	\$46.64	10.66%
Residential mental health facilities.....	513.50	\$664.02	\$706.10	\$715.92	\$717.65	\$1.73	0.24%	\$53.63	8.08%
Retail electronics & appliance.....	345.00	\$849.32	\$834.54	\$833.49	\$816.66	(\$16.83)	-2.02%	(\$32.66)	-3.85%
Retail health & personal care.....	816.80	\$635.34	\$670.03	\$654.01	\$657.76	\$3.76	0.57%	\$22.43	3.53%
Services to buildings & dwellings.....	1846.90	\$621.77	\$680.06	\$680.40	\$686.81	\$6.41	0.94%	\$65.04	10.46%
Shoe stores.....	114.80	\$413.90	\$424.99	\$426.59	\$416.79	(\$9.80)	-2.30%	\$2.89	0.70%
Snack and nonalcoholic beverage bars.....	774.00	\$330.06	\$338.55	\$341.50	\$342.36	\$0.86	0.25%	\$12.30	3.73%
Special food services.....	531.10	\$490.39	\$514.83	\$519.48	\$523.60	\$4.12	0.79%	\$33.21	6.77%
Specialty food stores.....	186.40	\$433.02	\$441.13	\$452.30	\$452.03	(\$0.27)	-0.06%	\$19.00	4.39%
Spectator sports.....	110.80	\$796.96	\$723.12	\$718.98	\$715.83	(\$3.15)	-0.44%	(\$81.13)	-10.18%
Sporting goods & musical instrument stores.....	378.40	\$457.98	\$475.65	\$470.54	\$478.96	\$8.43	1.79%	\$20.99	4.58%
Textile mill mfg.....	77.80	\$876.06	\$842.16	\$830.97	\$842.83	\$11.86	1.43%	(\$33.23)	-3.79%

Table 1B: Industry Categories Below the Quality Job Benchmark (Mean Weekly Wage)										
Industry Category	Total Number of Jobs (000)	Mean Weekly Income				Change in \$ from June 2022 - July 2022	% Change from June 2022 - July 2022	Change in \$ from July 2021 - July 2022	% Change from July 2021 - July 2022	
		July 2021	May 2022	June 2022	July 2022					
		Jul-22	July 2021	May 2022	June 2022					July 2022
Textile product mill mfg.....	77.20	\$658.55	\$697.37	\$654.45	\$675.92	\$21.48	3.28%	\$17.38	2.64%	
Transit and ground passenger transportation.....	374.70	\$637.24	\$763.62	\$770.85	\$770.85	0	0.00%	\$133.61	20.97%	
Travel arrangement & reservation services.....	120.90	\$849.15	\$864.60	\$893.60	\$931.16	\$37.55	4.20%	\$82.01	9.66%	
Traveler accommodation.....	1397.30	\$529.55	\$584.40	\$586.46	\$578.26	(\$8.21)	-1.40%	\$48.71	9.20%	
Used merchandise stores.....	156.60	\$401.47	\$434.88	\$432.22	\$440.44	\$8.22	1.90%	\$38.97	9.71%	
Vocational rehabilitation services.....	233.90	\$549.36	\$555.21	\$561.33	\$565.20	\$3.87	0.69%	\$15.84	2.88%	
Warehousing and storage.....	1612.10	\$799.82	\$809.90	\$817.63	\$821.76	\$4.13	0.51%	\$21.94	2.74%	

Industry Category	Total Number of Jobs (000)	Index of CPI-adjusted Weekly Income (1990 = 100)			% Change from Inception - July 2022	%Change from July 2021 - July 2022	%Change from June 2022 - July 2022
		July 2021	June 2022	July 2022			
		Index of CPI-adjusted Weekly Wages for Industry Categories Above the Quality Job Benchmark (Mean Weekly Wage) -Year 1990 = 100					
Total Private Production and Non-supervisory Jobs.....	106112.00	\$120.90	\$116.98	\$117.63	17.63%	-2.70%	0.56%
Total High Quality Production and Non-supervisory Job.....	47569.45	\$124.28	\$120.03	\$120.84	20.84%	-2.76%	0.68%
Accounting and bookkeeping services.....	805.40	\$118.70	\$114.17	\$114.28	14.28%	-3.73%	0.10%
Activities related to credit intermediation.....	262.50	\$113.40	\$112.22	\$112.35	12.35%	-0.93%	0.11%
Activities related to real estate.....	560.90	\$133.13	\$130.37	\$132.31	32.31%	-0.62%	1.49%
Advertising & related services.....	363.80	\$141.46	\$135.29	\$137.51	37.51%	-2.79%	1.65%
Agricultura, construction & mining machinery mfg.....	146.20	\$103.11	\$103.85	\$103.72	3.72%	0.59%	-0.12%
Air transportation.....	493.60	\$134.07	\$136.81	\$137.79	37.79%	2.77%	0.71%
Alcoholic beverage wholesalers.....	166.40	\$119.06	\$109.18	\$113.13	13.13%	-4.98%	3.62%
Apparel & piece goods wholesalers.....	115.70	\$113.79	\$114.29	\$115.76	15.76%	1.74%	1.29%
Architectural and engineering services.....	1223.40	\$120.14	\$116.24	\$117.19	17.19%	-2.46%	0.81%
Automobile dealers.....	1043.60	\$111.69	\$108.17	\$108.72	8.72%	-2.67%	0.51%
Broadcasting excluding Internet.....	183.40	\$131.58	\$130.41	\$132.94	32.94%	1.04%	1.94%
Building equipment contractors.....	1768.60	\$103.70	\$101.04	\$101.96	1.96%	-1.69%	0.91%
Building finishing contractors.....	644.10	\$100.78	\$97.81	\$97.56	-2.44%	-3.20%	-0.26%
Building foundation and exterior contractors.....	752.40	\$102.53	\$101.16	\$102.68	2.68%	0.14%	1.50%
Chemical merchant wholesalers.....	107.30	\$101.29	\$96.46	\$97.85	-2.15%	-3.40%	1.44%
Chemical mfg.....	572.90	\$96.15	\$88.08	\$88.28	-11.72%	-8.19%	0.22%
Commercial & service industry machinery mfg.....	57.00	\$109.17	\$96.93	\$96.21	-3.79%	-11.87%	-0.74%
Commercial equipment wholesalers.....	557.70	\$116.11	\$107.86	\$109.84	9.84%	-5.40%	1.84%
Commercial machinery repair & maintenance services.....	195.20	\$120.52	\$110.19	\$112.41	12.41%	-6.72%	2.02%
Computer & electronic mfg.....	657.60	\$116.24	\$109.83	\$111.16	11.16%	-4.38%	1.21%
Computer systems design & related services.....	1938.30	\$123.37	\$121.44	\$122.33	22.33%	-0.84%	0.73%
Data processing, hosting & related services.....	336.10	\$188.88	\$170.44	\$169.81	69.81%	-10.10%	-0.37%
Druggist goods wholesalers.....	187.50	\$130.84	\$119.59	\$118.47	18.47%	-9.45%	-0.94%
Electric goods wholesalers.....	271.80	\$106.78	\$102.69	\$104.18	4.18%	-2.43%	1.45%
Electrical & appliance mfg.....	274.00	\$107.61	\$107.28	\$106.98	6.98%	-0.58%	-0.27%
Electronic equipment repair & maintenance services.....	82.70	\$115.42	\$116.82	\$119.35	19.35%	3.41%	2.17%
Engine, turbine & power transmission equipment mfg.....	61.40	\$103.29	\$79.43	\$80.15	-19.85%	-22.40%	0.90%
Fabricated metal mfg.....	1054.20	\$102.39	\$99.42	\$100.03	0.03%	-2.31%	0.62%
Facilities support services.....	140.10	\$84.49	\$101.73	\$103.12	3.12%	22.06%	1.36%
Farm product raw material wholesalers.....	60.90	\$138.64	\$141.08	\$137.39	37.39%	-0.91%	-2.62%
Freight transportation arrangement.....	204.20	\$112.81	\$125.38	\$127.29	27.29%	12.83%	1.52%
Furniture wholesalers.....	92.30	\$107.27	\$101.50	\$100.05	0.05%	-6.73%	-1.43%
General freight trucking.....	966.00	\$103.53	\$98.58	\$96.19	-3.81%	-7.09%	-2.43%
Grocery & related wholesalers.....	645.70	\$116.69	\$111.98	\$113.67	13.67%	-2.59%	1.51%
Hardware & plumbing wholesalers.....	239.30	\$113.28	\$107.07	\$109.17	9.17%	-3.63%	1.96%
Highway, street, & bridge construction.....	268.30	\$107.15	\$107.12	\$109.48	9.48%	2.18%	2.20%
Hospitals.....	4758.30	\$155.24	\$153.93	\$154.59	54.59%	-0.42%	0.43%
Independent artists, writers, and performers.....	46.30	\$187.69	\$162.48	\$150.90	50.90%	-19.60%	-7.13%
Industrial machinery mfg.....	68.80	\$110.71	\$106.78	\$107.99	7.99%	-2.46%	1.13%
Insurance agencies, brokerages, and related services.....	968.00	\$133.51	\$130.15	\$130.77	30.77%	-2.05%	0.48%
Insurance carriers.....	1223.60	\$146.53	\$143.38	\$144.37	44.37%	-1.47%	0.69%
Legal services.....	893.00	\$123.39	\$119.27	\$120.16	20.16%	-2.62%	0.75%
Logging.....	39.00	\$104.59	\$123.57	\$124.08	24.08%	18.63%	0.41%
Lumber & construction supplies wholesalers.....	208.80	\$118.20	\$115.01	\$115.84	15.84%	-2.00%	0.72%
Machinery and equipment rental and leasing.....	126.90	\$112.26	\$116.80	\$121.59	21.59%	8.31%	4.10%
Machinery, equipment & suppliers wholesalers.....	568.70	\$123.95	\$119.48	\$121.28	21.28%	-2.16%	1.50%
Management & technical consulting services.....	1352.70	\$128.00	\$124.18	\$124.51	24.51%	-2.73%	0.26%
Management of companies & enterprises.....	1509.60	\$151.92	\$138.19	\$138.46	38.46%	-8.86%	0.20%
Medical and diagnostic laboratories.....	262.70	\$130.29	\$122.48	\$124.00	24.00%	-4.83%	1.24%
Merchant wholesalers, misc. durable goods.....	229.90	\$119.48	\$122.02	\$122.19	22.19%	2.27%	0.13%
Metal & mineral wholesalers.....	108.10	\$111.29	\$109.20	\$107.17	7.17%	-3.70%	-1.86%
Metalworking machinery mfg.....	109.20	\$89.26	\$88.33	\$87.85	-12.15%	-1.58%	-0.54%
Mining, except oil and gas.....	140.50	\$92.65	\$95.89	\$100.76	0.76%	8.75%	5.07%
Motor vehicles & parts wholesalers.....	291.80	\$107.44	\$104.74	\$105.35	5.35%	-1.95%	0.58%
Natural gas distribution.....	87.40	\$128.66	\$125.32	\$126.14	26.14%	-1.97%	0.65%
Nondepository credit intermediation.....	495.60	\$151.50	\$144.30	\$144.57	44.57%	-4.57%	0.19%
Nonmetallic mineral mfg.....	308.60	\$104.54	\$103.29	\$103.56	3.56%	-0.94%	0.26%
Nonresidential building construction.....	512.40	\$119.95	\$116.36	\$117.50	17.50%	-2.04%	0.98%
Office administrative services.....	459.60	\$163.01	\$159.69	\$159.74	59.74%	-2.00%	0.03%
Oil and gas extraction.....	88.40	\$127.73	\$133.64	\$132.25	32.25%	3.54%	-1.04%

Table 2A: Index of CPI-adjusted Weekly Wages for Industry Categories Above the Quality Job Benchmark (Mean Weekly Wage) -Year 1990 = 100							
Continued Industry Category	Total Number of Jobs (000)	Index of CPI-adjusted Weekly Income (1990 = 100)			% Change from Inception - July 2022	%Change from July 2021 - July 2022	%Change from June 2022 - July 2022
		July 2021	June 2022	July 2022			
Other ambulatory health care services.....	274.30	\$131.45	\$132.51	\$134.37	34.37%	2.22%	1.40%
Other financial investment activities, including funds and trusts.....	419.60	\$160.11	\$158.84	\$161.57	61.57%	0.91%	1.72%
Other information services.....	338.20	\$118.29	\$113.25	\$117.94	17.94%	-0.29%	4.14%
Other specialty construction trade contractors.....	589.70	\$104.49	\$101.36	\$102.59	2.59%	-1.82%	1.21%
Outpatient care centers.....	874.40	\$146.27	\$145.69	\$148.93	48.93%	1.82%	2.23%
Paper & paper products wholesalers.....	94.20	\$98.25	\$94.97	\$94.58	-5.42%	-3.73%	-0.41%
Paper and paper products.....	274.20	\$93.07	\$85.32	\$87.75	-12.25%	-5.71%	2.84%
Petroleum wholesalers.....	85.10	\$122.01	\$136.29	\$145.31	45.31%	19.10%	6.62%
Plastic product mfg.....	464.90	\$113.78	\$110.82	\$111.54	11.54%	-1.97%	0.65%
Plywood & engineered wood mfg.....	68.00	\$118.14	\$112.90	\$115.52	15.52%	-2.22%	2.32%
Power generation and supply.....	303.10	\$120.94	\$120.07	\$118.63	18.63%	-1.91%	-1.20%
Primary metal mfg.....	281.00	\$94.85	\$94.63	\$94.92	-5.08%	0.08%	0.31%
Residential building construction.....	570.90	\$109.88	\$103.06	\$102.38	2.38%	-6.83%	-0.66%
Rubber product mfg.....	101.10	\$98.33	\$91.93	\$95.67	-4.33%	-2.71%	4.06%
Sawmill & wood preservation mfg.....	74.80	\$103.34	\$102.19	\$104.23	4.23%	0.86%	2.00%
Scientific research & development services.....	681.20	\$147.83	\$147.84	\$147.51	47.51%	-0.22%	-0.23%
Securities, commodity contracts, brokerage & exchanges.....	350.70	\$201.00	\$202.70	\$199.73	99.73%	-0.63%	-1.46%
Specialized design services.....	111.30	\$131.48	\$131.78	\$132.00	32.00%	0.40%	0.17%
Specialized freight trucking.....	406.60	\$110.51	\$110.24	\$110.97	10.97%	0.42%	0.67%
Support activities for air transportation.....	184.90	\$117.00	\$117.09	\$116.87	16.87%	-0.11%	-0.19%
Support activities for mining.....	207.90	\$141.46	\$131.86	\$129.67	29.67%	-8.34%	-1.66%
Support activities for other transportation, including rail.....	68.10	\$114.11	\$96.85	\$94.14	-5.86%	-17.50%	-2.79%
Support activities for road transportation.....	101.40	\$107.00	\$110.43	\$107.70	7.70%	0.65%	-2.47%
Support activities for water transportation.....	82.00	\$109.73	\$105.89	\$110.85	10.85%	1.03%	4.69%
Telecommunications services.....	562.80	\$102.18	\$98.13	\$98.90	-1.10%	-3.21%	0.78%
Transportation equipment mfg.....	1200.40	\$100.54	\$95.77	\$97.46	-2.54%	-3.06%	1.77%
Utility system construction.....	461.40	\$107.43	\$108.81	\$109.09	9.09%	1.55%	0.25%
Water, sewage and other systems.....	43.50	\$112.28	\$103.14	\$101.00	1.00%	-10.04%	-2.07%
Wholesale electronic agents & brokers.....	386.90	\$127.36	\$119.74	\$120.04	20.04%	-5.74%	0.26%

Table 2B: Index of CPI-adjusted Weekly Wages for Industry Categories Below the Quality Job Benchmark (Mean Weekly Wage) -Year 1990 = 100							
Industry Category	Total Number of Jobs (000)	Index of CPI-adjusted Weekly Income (1990 = 100)			% Change from Inception - July 2022	%Change from July 2021 - July 2022	%Change from June 2022 - July 2022
		July 2021	June 2022	July 2022			
Total Private Production and Non-supervisory Jobs.....	106112.00	\$120.90	\$116.98	\$117.63	17.63%	-2.70%	0.56%
Total Low Quality Production and Non-supervisory Job.....	58542.55	\$124.63	\$119.94	\$120.41	20.41%	-3.39%	0.40%
Agents, promoters & managers of arts, sports, & similar events.....	140.70	\$83.18	\$82.25	\$83.54	-16.46%	0.43%	1.57%
Amusements, gambling, and recreation industries.....	1403.80	\$87.54	\$88.73	\$88.87	-11.13%	1.52%	0.16%
Apparel mfg.....	70.40	\$147.87	\$151.02	\$152.72	52.72%	3.28%	1.13%
Auto parts, accessories, & tire stores.....	449.20	\$113.15	\$113.62	\$111.91	11.91%	-1.10%	-1.50%
Auto repair & maintenance services.....	802.20	\$104.23	\$102.27	\$104.20	4.20%	-0.02%	1.89%
Beer, wine, and liquor stores.....	139.00	\$96.20	\$89.00	\$89.76	-10.24%	-6.69%	0.86%
Book stores & news dealers.....	55.30	\$88.69	\$75.65	\$79.30	-20.70%	-10.59%	4.82%
Building material and supplies dealers.....	957.10	\$122.60	\$116.23	\$117.38	17.38%	-4.26%	0.99%
Business support services.....	660.10	\$119.08	\$108.23	\$111.71	11.71%	-6.19%	3.22%
Cafeterias, grill buffets, and buffets.....	62.70	\$120.34	\$109.28	\$109.14	9.14%	-9.30%	-0.12%
Child day care services.....	852.40	\$133.80	\$131.18	\$132.33	32.33%	-1.10%	0.87%
Clothing stores.....	648.60	\$112.86	\$107.15	\$107.45	7.45%	-4.80%	0.28%
Community care facilities for the elderly.....	785.90	\$120.21	\$120.97	\$121.47	21.47%	1.05%	0.41%
Courier and messenger services.....	966.00	\$149.13	\$150.48	\$145.78	45.78%	-2.24%	-3.12%
Death care services.....	112.70	\$100.02	\$90.96	\$93.83	-6.17%	-6.18%	3.16%
Drinking places, alcoholic beverages.....	345.00	\$161.11	\$154.01	\$155.41	55.41%	-3.54%	0.91%
Drycleaning and laundry services.....	203.80	\$112.52	\$115.10	\$117.44	17.44%	4.37%	2.03%
Emergency and other relief services.....	154.60	\$133.23	\$129.20	\$130.36	30.36%	-2.16%	0.90%
Employment services.....	3639.90	\$139.46	\$139.41	\$139.21	39.21%	-0.18%	-0.15%
Florists.....	48.00	\$87.57	\$79.32	\$99.65	-0.35%	13.79%	25.63%
Full-service restaurants.....	4619.80	\$146.85	\$137.18	\$137.99	37.99%	-6.03%	0.59%
Furniture mfg.....	281.20	\$108.91	\$112.99	\$112.02	12.02%	2.85%	-0.86%
Furniture stores.....	180.40	\$132.33	\$117.04	\$117.02	17.02%	-11.57%	-0.02%
Gasoline stations.....	812.80	\$103.61	\$105.66	\$106.75	6.75%	3.03%	1.03%
General merchandise stores.....	3065.80	\$123.34	\$117.25	\$117.67	17.67%	-4.60%	0.35%
Grocery stores.....	2506.00	\$81.71	\$80.75	\$80.92	-19.08%	-0.96%	0.22%
Home furnishings stores.....	182.90	\$97.10	\$96.61	\$95.67	-4.33%	-1.47%	-0.97%
Home health care services.....	1434.50	\$141.84	\$135.09	\$135.69	35.69%	-4.34%	0.44%
Household goods repair & maintenance services.....	62.70	\$106.59	\$93.45	\$93.12	-6.88%	-12.64%	-0.35%
Individual and family services.....	2480.30	\$98.77	\$98.59	\$99.91	-0.09%	1.15%	1.34%
Investigation & security services.....	827.30	\$158.02	\$161.74	\$162.97	62.97%	3.14%	0.76%
Jewelry, luggage, & leather goods stores.....	88.00	\$151.28	\$134.24	\$134.65	34.65%	-10.99%	0.30%
Lawn and garden equipment and supplies stores.....	153.10	\$101.03	\$94.76	\$94.34	-5.66%	-6.62%	-0.45%
Lessors of real estate.....	451.80	\$141.30	\$138.62	\$140.94	40.94%	-0.26%	1.67%
Limited-service restaurants.....	3992.10	\$132.80	\$130.25	\$131.95	31.95%	-0.64%	1.30%
Medical equipment & supplies mfg.....	219.90	\$114.28	\$110.41	\$109.96	9.96%	-3.78%	-0.41%
Membership associations & organizations.....	2280.50	\$128.43	\$119.03	\$119.01	19.01%	-7.33%	-0.01%
Misc. nondurable goods wholesalers.....	257.50	\$115.61	\$113.34	\$115.29	15.29%	-0.27%	1.72%
Motion picture & sound recording industries.....	352.30	\$120.30	\$91.61	\$90.85	-9.15%	-24.48%	-0.83%
Museums, historical sites, and similar institutions.....	122.40	\$108.38	\$105.30	\$105.73	5.73%	-2.45%	0.40%
Nonstore retailers.....	524.50	\$116.79	\$106.77	\$103.62	3.62%	-11.28%	-2.95%
Nursing care facilities.....	1199.50	\$132.50	\$132.36	\$132.39	32.39%	-0.08%	0.02%
Office supplies, stationery, & gift stores.....	160.50	\$77.68	\$67.76	\$66.64	-33.36%	-14.21%	-1.66%
Offices of dentists.....	873.00	\$132.78	\$130.60	\$130.79	30.79%	-1.50%	0.14%
Offices of other health practitioners.....	888.40	\$132.64	\$127.69	\$127.67	27.67%	-3.75%	-0.02%
Offices of real estate agents and brokers.....	279.00	\$131.15	\$124.00	\$128.87	28.87%	-1.74%	3.93%
Other misc. mfg.....	191.80	\$116.53	\$115.04	\$113.87	13.87%	-2.28%	-1.02%
Other miscellaneous store retailers.....	310.60	\$106.73	\$98.61	\$98.57	-1.43%	-7.64%	-0.04%
Other motor vehicle dealers.....	137.70	\$134.28	\$120.26	\$125.83	25.83%	-6.30%	4.63%
Other personal services.....	297.10	\$87.22	\$80.03	\$78.15	-21.85%	-10.40%	-2.34%
Other professional and technical services.....	673.00	\$169.76	\$161.93	\$165.80	65.80%	-2.33%	2.39%
Other residential care facilities.....	131.90	\$113.78	\$111.13	\$111.18	11.18%	-2.29%	0.05%
Other support services.....	266.50	\$93.80	\$94.13	\$97.08	-2.92%	3.49%	3.13%
Other wood product mfg.....	195.90	\$112.87	\$111.16	\$111.84	11.84%	-0.91%	0.61%
Performing arts companies.....	101.30	\$108.83	\$112.06	\$117.63	17.63%	8.09%	4.98%
Personal care services.....	597.90	\$118.38	\$117.53	\$119.86	19.86%	1.26%	1.99%
Printing & related mfg.....	258.30	\$90.62	\$85.76	\$84.74	-15.26%	-6.50%	-1.19%
RV parks and recreational camps.....	57.50	\$117.74	\$110.96	\$120.05	20.05%	1.96%	8.19%
Residential mental health facilities.....	513.50	\$128.71	\$127.86	\$128.18	28.18%	-0.41%	0.25%
Retail electronics & appliance.....	345.00	\$145.59	\$131.64	\$128.99	28.99%	-11.40%	-2.01%
Retail health & personal care.....	816.80	\$143.48	\$136.08	\$136.88	36.88%	-4.60%	0.59%

Table 2B: Index of CPI-adjusted Weekly Wages for Industry Categories Below the Quality Job Benchmark (Mean Weekly Wage) - Year 1990 = 100		Index of CPI-adjusted Weekly Income (1990 = 100)			% Change from Inception	% Change from July 2021 - July 2022	% Change from June 2022 - July 2022
Continued Industry Category	Total Number of Jobs (000)	July 2021	June 2022	July 2022	July 2022	2022	2022
	Services to buildings & dwellings.....	1846.90	\$124.28	\$125.30	\$126.49	26.49%	1.78%
Shoe stores.....	114.80	\$115.84	\$110.00	\$107.49	7.49%	-7.21%	-2.29%
Snack and nonalcoholic beverage bars.....	774.00	\$132.59	\$126.40	\$126.73	26.73%	-4.42%	0.26%
Special food services.....	531.10	\$126.44	\$123.40	\$124.39	24.39%	-1.62%	0.81%
Specialty food stores.....	186.40	\$90.85	\$87.43	\$87.38	-12.62%	-3.81%	-0.05%
Spectator sports.....	110.80	\$124.90	\$103.81	\$103.37	3.37%	-17.24%	-0.43%
Sporting goods & musical instrument stores.....	378.40	\$119.67	\$113.28	\$115.32	15.32%	-3.63%	1.80%
Textile mill mfg.....	77.80	\$125.40	\$109.59	\$111.17	11.17%	-11.35%	1.44%
Textile product mill mfg.....	77.20	\$109.40	\$100.17	\$103.47	3.47%	-5.42%	3.29%
Transit and ground passenger transportation.....	374.70	\$92.18	\$102.74	\$102.75	2.75%	11.46%	0.01%
Travel arrangement & reservation services.....	120.90	\$146.89	\$142.42	\$148.43	48.43%	1.04%	4.21%
Traveler accommodation.....	1397.30	\$119.33	\$121.77	\$120.08	20.08%	0.62%	-1.39%
Used merchandise stores.....	156.60	\$109.87	\$108.98	\$111.07	11.07%	1.09%	1.91%
Vocational rehabilitation services.....	233.90	\$131.88	\$124.15	\$125.02	25.02%	-5.20%	0.70%
Warehousing and storage.....	1612.10	\$93.15	\$87.74	\$88.19	-11.81%	-5.33%	0.52%