

# Cornell Law School

Jack G. Clarke Program on the Law and Regulation  
Of Financial Institutions and Markets

**FOR IMMEDIATE RELEASE**

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## THE U.S. PRIVATE SECTOR JOB QUALITY INDEX (JQI)<sup>®</sup> February 2020

Following the release of the [Employment Situation Report](#) for February 2020 by the U.S. Bureau of Labor Statistics (BLS), and reflecting the annual revisions to the national estimates of employment, hours, and earnings from the **Current Employment Statistics (CES)** monthly survey of nonfarm establishments, released by the BLS last month, the **U.S. Private Sector Job Quality Index (JQI)<sup>®</sup>** has been revised to a level of **79.41**, down by **-0.13%** from its revised level one month earlier and reflecting a slightly higher 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, relative to those jobs paying above such mean. Although the JQI remains near its March 2012 low level of 78.56 (having retraced most of its gains from 2012 through 2016) the downward move in the index should be evaluated in the context of upward revisions to the prior month’s reading. The mean weekly wage income of all P&NS jobs as of the current reading (which reflects the level as of January 2020) was **\$801.47**, a change of **+0.41%** from its revised level the month prior. **The JQ-Instant<sup>™</sup>** preliminary read of the 228,000 increase in **all** private sector, non-farm payrolls in February 2020 shows that approximately **42.15%** of the change in such private sector jobs was 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 **JQ-Instant** read shows a welcome improvement over the second half of 2019 and January 2020, during which Low Quality Job formation stood at well over 50% on average. The source of the improvement was rooted in a 61,000 boost in goods producing jobs in February. This increase would indicate an improvement to the overall JQI next month.

Chart 1: JQI levels January 2018 to January 2020

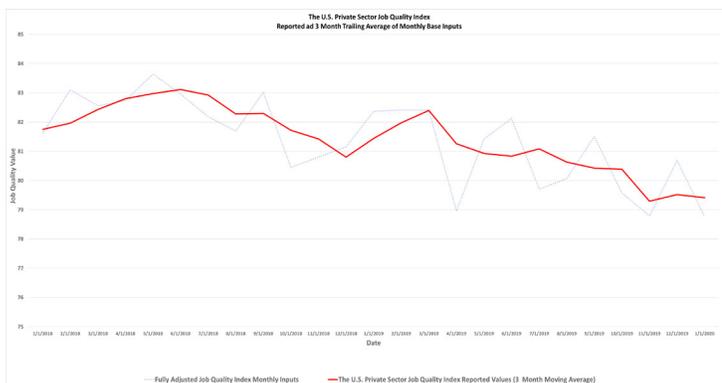


Chart 2: JQ-Instant<sup>™</sup> for 12 Months ending February 2020



## Note on the Impact of BLS Annual CES Benchmark Revisions on the U.S. Private Sector Job Quality Index

With the release of January 2020 data on February 7, 2020, the Bureau of Labor Statistics (BLS) introduced its annual revision to national estimates of employment, hours, and earnings from the Current Employment Statistics (CES) monthly survey of nonfarm establishments. The generally downward revisions to the number of private sector jobs formed in 2019 impacted the JQI as follows:

- The number of High Quality Jobs (as defined in the JQI) decreased by approximately -0.70%, which was statistically significant.
- The number of Low Quality Jobs (as defined in the JQI) increased by a statistically insignificant amount of 0.01%.
- The JQI benchmark average weekly income level increased by about 0.15%
- The U.S. Private Sector Job Quality Index (JQI) decreased by approximately 1.00% to 1.50% (depending on month), mostly due to a decline in the number of High Quality Jobs as indicated above.

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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 180 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.

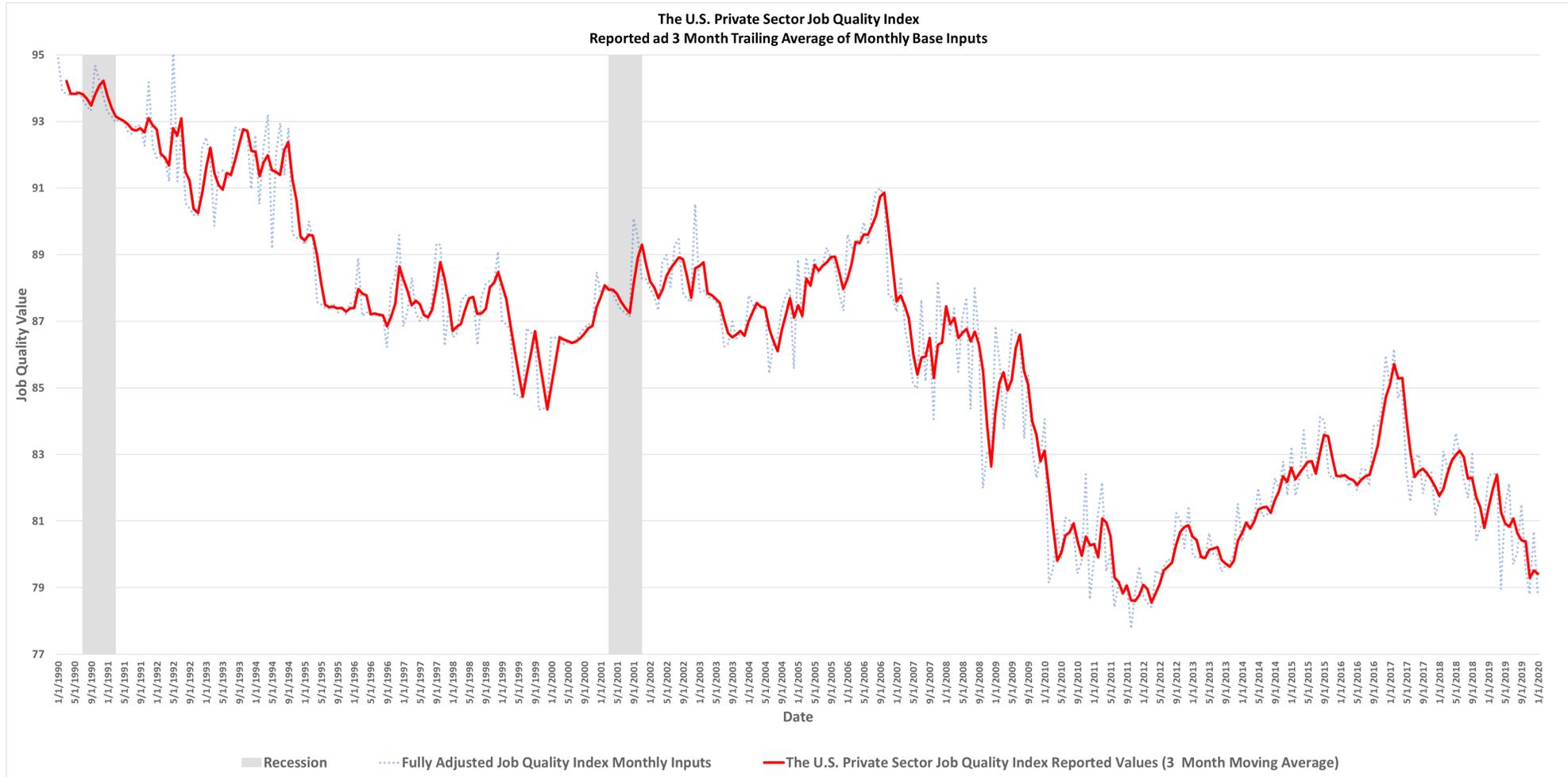
Finally, the **JQ-Instant** reading has implications for the likely direction of the **JQI** itself in future months. As the **JQI** is reported as a three-month rolling average of actual monthly readings, significant imbalances (readings varying from an even distribution between high and low quality 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](http://www.vimeo.com/jqi)

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**Chart 3: The U.S. Job Quality Index from Inception to January 2020**  
(Reported as 3-month moving average, monthly readings in blue, recessions shown in grey)



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Table 1A: Industry Categories Above the Quality Job Benchmark (Mean Weekly Wage)

Industry Category	Total Number of Jobs (000)	Mean Weekly Income				Change in \$ from December 2019 - January 2020	% Change from December 2019 - January 2020	Change in \$ from January 2019 - January 2020	% Change from January 2019 - January 2020
		January 2019	November 2019	December 2019	January 2020				
Total Private Production and Non-supervisory Jobs.....	106,501.00	\$781.12	\$797.64	\$801.02	\$802.37	\$1.34	0.17%	\$21.25	0.17%
<b>Total High Quality Production and Non-supervisory Jobs.....</b>	<b>11,827.50</b>	<b>\$1083.28</b>	<b>\$1087.95</b>	<b>\$1089.91</b>	<b>\$1093.48</b>	<b>\$3.58</b>	<b>0.33%</b>	<b>(\$3.58)</b>	<b>0.33%</b>
<b>Goods Producing</b>	<b>11,827.50</b>	<b>\$1083.28</b>	<b>\$1087.95</b>	<b>\$1089.91</b>	<b>\$1093.48</b>	<b>\$3.58</b>	<b>0.33%</b>	<b>(\$3.58)</b>	<b>0.33%</b>
Agriculture, construction & mining machinery mfg.....	149.90	\$998.93	\$963.91	\$954.65	\$961.58	\$6.93	0.73%	(\$37.35)	0.69%
Building equipment contractors.....	1,722.70	\$1189.52	\$1191.17	\$1210.32	\$1216.95	\$6.63	0.55%	\$27.43	0.56%
Building finishing contractors.....	655.40	\$997.91	\$991.68	\$982.65	\$991.81	\$9.16	0.93%	(\$6.10)	0.92%
Building foundation and exterior contractors.....	773.40	\$985.84	\$1007.63	\$991.50	\$1025.06	\$33.56	3.38%	\$39.22	3.40%
Chemical mfg.....	553.30	\$1073.97	\$1064.48	\$1049.49	\$1048.78	(\$0.71)	(0.07%)	(\$25.19)	(0.07%)
Commercial & service industry machinery mfg.....	56.30	\$1128.40	\$1150.24	\$1158.70	\$1131.38	(\$27.31)	(2.36%)	\$2.98	(2.42%)
Computer & electronic mfg.....	660.70	\$1009.11	\$1032.56	\$1029.26	\$1030.20	\$0.94	0.09%	\$21.09	0.09%
Electrical & appliance mfg.....	265.80	\$867.36	\$838.03	\$830.68	\$850.34	\$19.66	2.37%	(\$17.03)	2.27%
Engine, turbine & power transmission equipment mfg.....	50.40	\$1125.08	\$1189.08	\$1198.98	\$1213.65	\$14.67	1.22%	\$88.57	1.30%
Fabricated metal mfg.....	1,105.00	\$871.94	\$894.56	\$893.50	\$895.90	\$2.40	0.27%	\$23.96	0.28%
HVAC & commercial refrigeration machinery mfg.....	88.70	\$857.27	\$867.76	\$868.32	\$871.31	\$2.98	0.34%	\$14.03	0.35%
Highway, street, & bridge construction.....	298.50	\$1322.78	\$1243.87	\$1266.14	\$1294.78	\$28.63	2.29%	(\$28.01)	2.16%
Industrial machinery mfg.....	61.70	\$1023.20	\$1111.14	\$1104.78	\$1137.85	\$33.07	2.99%	\$114.65	3.23%
Logging.....	46.60	\$937.87	\$948.28	\$923.95	\$964.10	\$40.16	4.35%	\$26.23	4.28%
Medical equipment & supplies mfg.....	211.30	\$791.62	\$842.40	\$825.43	\$814.57	(\$10.86)	(1.32%)	\$22.95	(1.37%)
Metalworking machinery mfg.....	120.80	\$975.25	\$1058.87	\$1062.38	\$1054.18	(\$8.19)	(0.77%)	\$78.93	(0.84%)
Mining, except oil and gas.....	143.00	\$1263.24	\$1345.71	\$1338.74	\$1356.87	\$18.14	1.35%	\$99.63	1.44%
Misc. nondurable mfg.....	162.30	\$753.23	\$803.44	\$833.20	\$848.58	\$15.37	1.85%	\$95.35	2.04%
Nonmetallic mineral mfg.....	315.30	\$975.40	\$968.36	\$972.39	\$987.44	\$15.06	1.55%	\$12.04	1.54%
Nonresidential building construction.....	544.90	\$1280.68	\$1238.90	\$1252.52	\$1250.38	(\$2.14)	(0.17%)	(\$30.30)	(0.17%)
Oil and gas extraction.....	89.20	\$1594.51	\$1676.42	\$1671.00	\$1655.51	(\$15.48)	(0.93%)	\$61.00	(0.97%)
Other general purpose machinery mfg.....	163.60	\$987.13	\$1013.93	\$1018.82	\$1018.73	(\$0.10)	(0.01%)	\$31.60	(0.01%)
Other specialty construction trade contractors.....	556.90	\$1094.91	\$1054.00	\$1040.43	\$1077.07	\$36.64	3.52%	(\$17.84)	3.35%
Petroleum & coal product mfg.....	77.50	\$1923.84	\$1973.28	\$1894.66	\$1758.24	(\$136.42)	(7.20%)	(\$165.60)	(7.09%)
Plywood & engineered wood mfg.....	66.00	\$805.35	\$913.86	\$919.93	\$925.74	\$5.81	0.63%	\$120.39	0.72%
Primary metal mfg.....	290.60	\$1043.08	\$1020.38	\$1039.42	\$1033.35	(\$6.07)	(0.58%)	(\$9.73)	(0.58%)
Residential building construction.....	536.80	\$926.01	\$952.75	\$948.70	\$953.50	\$4.80	0.51%	\$27.49	0.52%
Rubber product mfg.....	99.50	\$828.61	\$834.98	\$853.86	\$865.63	\$11.77	1.38%	\$37.02	1.42%
Sawmill & wood preservation mfg.....	73.70	\$860.28	\$820.27	\$836.32	\$837.99	\$1.67	0.20%	(\$22.29)	0.19%
Support activities for mining.....	232.60	\$1392.45	\$1458.56	\$1465.44	\$1409.33	(\$56.12)	(3.83%)	\$16.87	(4.03%)
Transportation equipment mfg.....	1,193.00	\$1183.23	\$1185.12	\$1190.85	\$1172.78	(\$18.08)	(1.52%)	(\$10.46)	(1.53%)
Utility system construction.....	462.10	\$1414.18	\$1394.64	\$1407.85	\$1399.56	(\$8.30)	(0.59%)	(\$14.63)	(0.59%)
<b>Services</b>	<b>33885.38</b>	<b>\$1126.95</b>	<b>\$1155.61</b>	<b>\$1154.95</b>	<b>\$1159.38</b>	<b>\$4.43</b>	<b>0.38%</b>	<b>(\$4.43)</b>	<b>0.39%</b>
Accounting and bookkeeping services.....	765.70	\$917.47	\$936.02	\$939.76	\$950.11	\$10.35	1.10%	\$32.64	1.13%
Activities related to credit intermediation.....	243.00	\$875.42	\$862.07	\$860.16	\$864.00	\$3.84	0.45%	(\$11.42)	0.44%
Activities related to real estate.....	559.80	\$815.24	\$838.16	\$846.92	\$844.08	(\$2.85)	(0.34%)	\$28.84	(0.35%)
Advertising & related services.....	367.50	\$1067.58	\$1093.11	\$1105.70	\$1111.79	\$6.09	0.55%	\$44.21	0.57%
Air transportation.....	434.30	\$994.13	\$1012.30	\$1030.00	\$1057.62	\$27.62	2.68%	\$63.49	2.78%
Alcoholic beverage wholesalers.....	166.30	\$897.05	\$898.16	\$919.71	\$914.64	(\$5.07)	(0.55%)	\$17.59	(0.57%)
Apparel & piece goods wholesalers.....	117.60	\$828.00	\$874.50	\$857.21	\$882.27	\$25.06	2.92%	\$54.27	3.03%
Architectural and engineering services.....	1,170.20	\$1361.11	\$1353.73	\$1358.00	\$1377.10	\$19.10	1.41%	\$15.99	1.40%
Automobile dealers.....	1,110.90	\$841.86	\$864.38	\$855.29	\$868.56	\$13.27	1.55%	\$26.70	1.58%
Broadcasting excluding Internet.....	207.20	\$1072.66	\$1053.21	\$1051.44	\$1045.04	(\$6.40)	(0.61%)	(\$27.62)	(0.60%)
Chemical merchant wholesalers.....	115.50	\$1202.55	\$1233.63	\$1223.91	\$1214.64	(\$9.27)	(0.76%)	\$12.09	(0.77%)
Commercial equipment wholesalers.....	550.80	\$1180.49	\$1212.58	\$1213.23	\$1213.23	0	0%	\$32.74	0%
Commercial machinery repair & maintenance services.....	186.00	\$1069.69	\$1063.33	\$1065.94	\$1068.35	\$2.42	0.23%	(\$1.34)	0.23%
Computer systems design & related services.....	1,820.10	\$1646.54	\$1696.47	\$1693.00	\$1665.54	(\$27.46)	(1.62%)	\$19.00	(1.67%)
Data processing, hosting & related services.....	286.60	\$1321.17	\$1441.77	\$1455.38	\$1447.99	(\$7.39)	(0.51%)	\$126.82	(0.56%)
Depository credit intermediation.....	1,323.80	\$849.00	\$893.86	\$887.06	\$896.63	\$9.56	1.08%	\$47.62	1.13%
Druggist goods wholesalers.....	192.20	\$1090.91	\$1100.90	\$1087.68	\$1105.73	\$18.04	1.66%	\$14.82	1.65%
Electric goods wholesalers.....	279.80	\$1098.31	\$1176.91	\$1146.60	\$1156.01	\$9.41	0.82%	\$57.70	0.86%
Electronic equipment repair & maintenance services.....	77.80	\$942.81	\$981.60	\$984.86	\$1051.61	\$66.75	6.78%	\$108.81	7.08%
Farm product raw material wholesalers.....	57.00	\$813.56	\$862.54	\$848.52	\$851.07	\$2.55	0.30%	\$37.51	0.31%
Freight transportation arrangement.....	185.50	\$870.67	\$882.78	\$886.16	\$889.30	\$3.14	0.35%	\$18.62	0.36%
Furniture wholesalers.....	91.50	\$884.64	\$946.18	\$909.37	\$926.25	\$16.88	1.86%	\$41.61	1.91%
General freight trucking.....	927.90	\$932.33	\$980.51	\$986.75	\$992.88	\$6.13	0.62%	\$60.55	0.66%
Grocery & related wholesalers.....	667.60	\$833.16	\$862.68	\$863.47	\$863.68	\$0.21	0.02%	\$30.52	0.02%
Hardware & plumbing wholesalers.....	229.90	\$1029.37	\$1024.30	\$1006.91	\$1023.44	\$16.52	1.64%	(\$5.93)	1.61%
Hospitals.....	4,795.50	\$1165.16	\$1196.74	\$1198.26	\$1194.99	(\$3.27)	(0.27%)	\$29.83	(0.28%)
Independent artists, writers, and performers.....	41.80	\$922.33	\$929.04	\$910.80	\$970.26	\$59.45	6.53%	\$47.92	6.45%
Insurance agencies, brokerages, and related services.....	968.10	\$1014.24	\$1037.52	\$1033.92	\$1048.68	\$14.76	1.43%	\$34.44	1.46%
Insurance carriers.....	1,302.10	\$1203.57	\$1229.63	\$1228.07	\$1236.34	\$8.27	0.67%	\$32.77	0.69%
Legal services.....	891.30	\$1303.67	\$1320.76	\$1326.64	\$1326.99	\$0.36	0.03%	\$23.32	0.03%
Lumber & construction supplies wholesalers.....	205.30	\$950.42	\$960.00	\$961.56	\$960.66	(\$0.90)	(0.09%)	\$10.24	(0.09%)
Machinery and equipment rental and leasing.....	146.00	\$1195.04	\$1221.35	\$1224.52	\$1224.01	(\$0.51)	(0.04%)	\$28.97	(0.04%)
Machinery, equipment & suppliers wholesalers.....	576.50	\$1087.91	\$1127.59	\$1117.57	\$1118.73	\$7.16	0.64%	\$30.82	0.66%
Management & technical consulting services.....	1,197.20	\$1277.03	\$1295.55	\$1287.23	\$1286.52	(\$0.71)	(0.06%)	\$9.49	(0.06%)
Management of companies & enterprises.....	1,595.60	\$1096.04	\$1145.67	\$1147.55	\$1159.96	\$12.41	1.08%	\$63.92	1.13%
Medical and diagnostic laboratories.....	249.60	\$961.58	\$967.47	\$974.39	\$979.52	\$5.14	0.53%	\$17.94	0.53%
Merchant wholesalers, misc. durable goods.....	234.80	\$803.15	\$802.94	\$809.83	\$832.26	\$22.43	2.77%	\$29.11	2.79%
Metal & mineral wholesalers.....	110.00	\$986.66	\$979.79	\$958.24	\$953.89	(\$4.35)	(0.45%)	(\$32.77)	(0.44%)
Misc. nondurable goods wholesalers.....	264.60	\$811.84	\$807.77	\$813.98	\$836.89	\$22.91	2.81%	\$25.05	2.82%
Motor vehicles & parts wholesalers.....	292.90	\$836.38	\$848.16	\$827.95	\$828.38	\$0.42	0.05%	(\$8.01)	0.05%
Natural gas distribution.....	89.70	\$1355.53	\$1702.94	\$1732.61	\$1737.50	\$4.90	0.28%	\$201.98	0.32%
Nondepository credit intermediation.....	455.80	\$1045.59	\$1127.72	\$1132.56	\$1125.38	(\$7.18)	(0.63%)	\$79.79	(0.69%)
Office administrative services.....	406.10	\$1029.67	\$1036.37	\$1037.45	\$1044.37	\$6.92	0.67%	\$14.71	0.67%
Offices of physicians.....	2,280.60	\$1079.47	\$1116.81	\$1119.37	\$1127.63	\$8.27	0.74%	\$48.16	0.77%
Other financial investment activities, including funds and trusts.....	377.20	\$1542.42	\$1547.27	\$1553.81	\$1562.69	\$8.88	0.57%	\$20.27	0.58%
Other information services.....	283.30	\$1239.26	\$1277.88	\$1252.29	\$1265.48	\$13.19	1.05%	\$26.22	1.06%
Outpatient care centers.....	850.00	\$891.45	\$916.27	\$906.15	\$903.38	(\$2.77)	(0.31%)	\$11.93	(0.31%)
Paper & paper products wholesalers.....	104.00	\$970.21	\$955.88	\$928.18	\$910.08	(\$18.10)	(1.95%)	(\$60.13)	(1.87%)
Petroleum wholesalers.....	86.50	\$939.39	\$913.37	\$885.11	\$867.06	(\$18.06)	(2.04%)	(\$72.34)	(1.92%)
Pipeline transportation.....	40.48	\$1830.53	\$1929.71	\$1890.07	\$1895.51	\$5.44	0.29%	\$64.98	0.30%
Power generation and supply.....	307.20	\$1655.36	\$1639.87	\$1644.75	\$1657.65	\$12.90	0.78%	\$2.29	0.78%

Table 1A: Industry Categories Above the Quality Job Benchmark  
(Mean Weekly Wage)

(Continued)

Industry Category	Total Number of Jobs (000) Jan-20	Mean Weekly Income				Change in \$ from December 2019 - January 2020	% Change from December 2019 - January 2020	Change in \$ from January 2019 - January 2020	% Change from January 2019 - January 2020
		January 2019	November 2019	December 2019	January 2020				
Publishing Excluding Internet.....	609.30	\$1327.81	\$1391.13	\$1401.19	\$1400.72	(\$0.47)	(0.03%)	\$72.92	(0.04%)
Retail electronics & appliance.....	373.90	\$803.23	\$830.55	\$816.90	\$814.92	(\$1.99)	(0.24%)	\$11.69	(0.25%)
Scientific research & development services.....	560.90	\$1516.63	\$1595.81	\$1598.22	\$1621.92	\$23.70	1.48%	\$105.29	1.56%
Securities, commodity contracts, brokerage & exchanges.....	346.80	\$1562.76	\$1514.78	\$1512.93	\$1531.06	\$18.13	1.20%	(\$31.70)	1.16%
Specialized design services.....	111.70	\$1056.84	\$1087.02	\$1114.15	\$1096.67	(\$17.48)	(1.57%)	\$39.83	(1.65%)
Specialized freight trucking.....	408.90	\$965.45	\$975.12	\$962.33	\$995.67	\$33.34	3.46%	\$30.22	3.45%
Support activities for other transportation, including rail.....	68.40	\$892.86	\$890.52	\$902.82	\$893.77	(\$9.05)	(1.00%)	\$0.91	(1.01%)
Support activities for water transportation.....	84.90	\$1253.28	\$1109.39	\$1107.09	\$1160.76	\$53.68	4.85%	(\$92.52)	4.28%
Telecommunications services.....	580.20	\$1228.02	\$1198.88	\$1216.00	\$1215.24	(\$0.76)	(0.06%)	(\$12.78)	(0.06%)
Water, sewage and other systems.....	41.70	\$919.24	\$971.62	\$974.79	\$991.01	\$16.22	1.66%	\$71.77	1.76%
Wholesale electronic agents & brokers.....	412.00	\$1162.13	\$1218.41	\$1207.31	\$1211.23	\$3.92	0.32%	\$49.10	0.34%

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 December 2019 - January 2020	% Change from December 2019 - January 2020	Change in \$ from January 2019 - January 2020	% Change from January 2019 - January 2020
		January 2019	November 2019	December 2019	January 2020				
		Jan-20	Jan-20	Jan-20	Jan-20				
Total Private Production and Non-supervisory Jobs.....	106,501.00	\$781.12	\$797.64	\$801.02	\$802.37	\$1.34	0.17%	\$21.25	0.17%
<b>Total High Quality Production and Non-supervisory Jobs.....</b>	<b>15,605.90</b>	<b>\$523.30</b>	<b>\$532.86</b>	<b>\$534.92</b>	<b>\$539.02</b>	<b>\$4.10</b>	<b>0.77%</b>	<b>(\$4.10)</b>	<b>0.78%</b>
<b>Goods Producing</b>	<b>15,605.90</b>	<b>\$523.30</b>	<b>\$532.86</b>	<b>\$534.92</b>	<b>\$539.02</b>	<b>\$4.10</b>	<b>0.77%</b>	<b>(\$4.10)</b>	<b>0.78%</b>
Apparel mfg.....	69.20	\$563.98	\$612.94	\$617.27	\$636.17	\$18.91	3.06%	\$72.19	3.35%
Auto parts, accessories, & tire stores.....	474.40	\$600.58	\$641.93	\$641.33	\$648.82	\$7.49	1.17%	\$48.24	1.25%
Beer, wine, and liquor stores.....	126.20	\$383.53	\$388.62	\$390.45	\$397.22	\$6.77	1.73%	\$13.69	1.76%
Book stores & news dealers.....	68.40	\$267.26	\$259.56	\$256.57	\$254.00	(\$2.56)	(1.00%)	(\$13.26)	(0.96%)
Building material and supplies dealers.....	959.40	\$549.33	\$634.09	\$642.28	\$653.26	\$10.98	1.71%	\$103.92	2.00%
Clothing stores.....	799.40	\$306.39	\$315.40	\$321.15	\$322.80	\$1.66	0.52%	\$16.41	0.54%
Courier and messenger services.....	762.10	\$669.89	\$640.74	\$642.20	\$644.39	\$2.19	0.34%	(\$25.50)	0.33%
Florists.....	49.30	\$316.95	\$379.94	\$396.15	\$389.61	(\$6.54)	(1.65%)	\$72.66	(2.06%)
Food mfg.....	1,304.70	\$753.17	\$756.84	\$759.69	\$757.88	(\$1.81)	(0.24%)	\$4.72	(0.24%)
Furniture stores.....	184.30	\$672.68	\$691.72	\$701.49	\$708.95	\$7.46	1.06%	\$36.27	1.11%
Gasoline stations.....	798.00	\$366.47	\$379.15	\$379.12	\$377.90	(\$1.22)	(0.32%)	\$11.42	(0.33%)
General merchandise stores.....	2,841.90	\$437.37	\$427.20	\$430.99	\$438.97	\$7.97	1.85%	\$1.60	1.82%
Grocery stores.....	2,371.50	\$394.49	\$391.96	\$396.68	\$398.11	\$1.43	0.36%	\$3.63	0.36%
Home furnishings stores.....	211.80	\$462.00	\$483.89	\$484.87	\$478.63	(\$6.24)	(1.29%)	\$16.63	(1.35%)
Jewelry, luggage, & leather goods stores.....	97.30	\$601.16	\$599.02	\$607.41	\$622.91	\$15.49	2.55%	\$21.75	2.58%
Lawn and garden equipment and supplies stores.....	129.50	\$543.24	\$513.67	\$520.10	\$538.00	\$17.89	3.44%	(\$5.25)	3.29%
Office supplies, stationery, & gift stores.....	183.40	\$362.71	\$359.66	\$357.41	\$360.13	\$2.72	0.76%	(\$2.59)	0.75%
Other misc. mfg.....	185.80	\$715.41	\$731.77	\$733.83	\$743.29	\$9.46	1.29%	\$27.88	1.32%
Other miscellaneous store retailers.....	289.50	\$436.32	\$471.72	\$472.07	\$471.97	(\$0.11)	(0.02%)	\$35.65	(0.02%)
Other wood product mfg.....	183.20	\$712.26	\$708.47	\$718.21	\$727.72	\$9.50	1.32%	\$15.45	1.33%
Plastic product mfg.....	457.40	\$780.20	\$787.40	\$790.69	\$795.88	\$5.19	0.66%	\$15.68	0.67%
Printing & related mfg.....	281.80	\$737.66	\$753.42	\$746.14	\$762.06	\$15.92	2.13%	\$24.40	2.16%
Shoe stores.....	143.90	\$413.17	\$396.02	\$401.51	\$400.78	(\$0.72)	(0.18%)	(\$12.39)	(0.17%)
Specialty food stores.....	189.20	\$393.93	\$386.35	\$390.48	\$400.95	\$10.47	2.68%	\$7.02	2.66%
Sporting goods & musical instrument stores.....	396.30	\$374.74	\$387.56	\$395.68	\$390.20	(\$5.48)	(1.39%)	\$15.45	(1.46%)
Support activities for air transportation.....	208.30	\$682.64	\$734.98	\$736.29	\$731.10	(\$5.18)	(0.70%)	\$48.46	(0.76%)
Textile mill mfg.....	83.50	\$706.63	\$739.02	\$741.68	\$747.94	\$6.27	0.84%	\$41.31	0.89%
Textile product mill mfg.....	74.40	\$579.88	\$598.25	\$609.35	\$607.92	(\$1.44)	(0.24%)	\$28.03	(0.25%)
Transit and ground passenger transportation.....	466.70	\$630.15	\$641.42	\$646.20	\$641.42	(\$4.77)	(0.74%)	\$11.27	(0.76%)
Used merchandise stores.....	152.70	\$354.76	\$365.37	\$365.75	\$375.26	\$9.51	2.60%	\$20.50	2.68%
Warehousing and storage.....	1,062.40	\$731.85	\$759.87	\$739.75	\$748.77	\$9.03	1.22%	\$16.93	1.23%
<b>Services</b>	<b>43,833.40</b>	<b>\$519.49</b>	<b>\$534.19</b>	<b>\$537.56</b>	<b>\$539.45</b>	<b>\$1.89</b>	<b>0.35%</b>	<b>-1.89</b>	<b>0.36%</b>
Agents, promoters & managers of arts, sports, & similar events.....	152.30	\$527.71	\$540.33	\$560.93	\$562.77	\$1.85	0.33%	\$35.06	0.35%
Amusements, gambling, and recreation industries.....	1,567.80	\$321.39	\$321.96	\$321.96	\$323.75	\$1.79	0.56%	\$2.36	0.56%
Auto repair & maintenance services.....	774.40	\$703.53	\$709.88	\$714.21	\$716.14	\$1.93	0.27%	\$12.61	0.27%
Business support services.....	749.90	\$607.02	\$638.35	\$628.68	\$635.46	\$6.78	1.08%	\$28.44	1.12%
Cafeterias, grill buffets, and buffets.....	102.00	\$315.79	\$324.27	\$323.57	\$325.31	\$1.74	0.54%	\$9.52	0.55%
Child day care services.....	912.40	\$413.52	\$433.25	\$430.95	\$434.15	\$3.20	0.74%	\$20.63	0.77%
Community care facilities for the elderly.....	870.70	\$488.56	\$493.96	\$498.04	\$496.03	(\$2.01)	(0.40%)	\$7.47	(0.41%)
Death care services.....	108.60	\$554.66	\$533.15	\$546.52	\$558.98	\$12.46	2.28%	\$4.32	2.25%
Drinking places, alcoholic beverages.....	342.90	\$353.46	\$364.61	\$360.57	\$362.01	\$1.44	0.40%	\$8.55	0.41%
Drycleaning and laundry services.....	254.30	\$467.14	\$476.72	\$487.14	\$490.31	\$3.17	0.65%	\$23.17	0.68%
Education.....	3,273.70	\$700.45	\$704.57	\$722.41	\$705.30	(\$17.11)	(2.37%)	\$4.85	(2.44%)
Emergency and other relief services.....	149.10	\$590.89	\$597.76	\$599.91	\$610.72	\$10.81	1.80%	\$19.83	1.83%
Employment services.....	3,469.70	\$634.89	\$670.29	\$676.60	\$684.97	\$8.37	1.24%	\$50.08	1.32%
Facilities support services.....	143.40	\$720.02	\$751.75	\$745.77	\$759.76	\$13.99	1.88%	\$39.74	1.94%
Full-service restaurants.....	5,043.20	\$362.35	\$376.43	\$376.68	\$377.91	\$1.24	0.33%	\$15.56	0.34%
Furniture mfg.....	288.10	\$715.11	\$724.96	\$733.79	\$735.37	\$1.58	0.22%	\$20.26	0.22%
General rental centers.....	28.40	\$654.13	\$687.50	\$737.63	\$742.69	\$5.06	0.69%	\$88.56	0.77%
Home health care services.....	1,452.50	\$510.41	\$537.10	\$540.15	\$542.10	\$1.95	0.36%	\$31.69	0.38%
Household goods repair & maintenance services.....	59.90	\$659.52	\$738.15	\$748.24	\$770.59	\$22.35	2.99%	\$111.07	3.39%
Individual and family services.....	2,370.20	\$435.12	\$447.14	\$448.27	\$451.56	\$3.29	0.73%	\$16.44	0.76%
Investigation & security services.....	875.30	\$577.58	\$599.48	\$603.57	\$603.84	\$0.27	0.04%	\$26.26	0.05%
Lessors of real estate.....	481.10	\$731.15	\$769.19	\$765.53	\$769.82	\$4.29	0.56%	\$38.67	0.59%
Limited-service restaurants.....	4,022.80	\$278.32	\$287.23	\$285.83	\$290.87	\$5.05	1.77%	\$12.55	1.81%
Membership associations & organizations.....	2,497.90	\$706.75	\$719.70	\$724.81	\$725.71	\$0.90	0.12%	\$18.96	0.13%
Motion picture & sound recording industries.....	354.50	\$720.09	\$749.20	\$736.56	\$708.35	(\$28.21)	(3.83%)	(\$11.74)	(3.92%)
Museums, historical sites, and similar institutions.....	137.40	\$479.39	\$498.42	\$494.66	\$497.64	\$2.98	0.60%	\$18.26	0.62%
Nonstore retailers.....	452.00	\$698.09	\$756.14	\$754.73	\$753.67	(\$1.06)	(0.14%)	\$55.58	(0.15%)
Nursing care facilities.....	1,435.00	\$581.91	\$597.78	\$602.45	\$601.90	(\$0.55)	(0.09%)	\$19.99	(0.09%)
Offices of dentists.....	824.70	\$696.95	\$706.68	\$715.10	\$713.38	(\$1.72)	(0.24%)	\$16.43	(0.25%)
Offices of other health practitioners.....	809.90	\$650.80	\$679.74	\$674.15	\$676.65	\$2.50	0.37%	\$25.85	0.38%
Offices of real estate agents and brokers.....	268.70	\$744.26	\$755.96	\$757.01	\$750.46	(\$6.54)	(0.86%)	\$6.21	(0.88%)
Other ambulatory health care services.....	282.30	\$814.06	\$788.04	\$795.32	\$790.12	(\$5.21)	(0.65%)	(\$23.94)	(0.64%)
Other motor vehicle dealers.....	132.70	\$689.58	\$698.12	\$717.79	\$731.96	\$14.17	1.97%	\$42.39	2.06%
Other personal services.....	306.40	\$455.31	\$475.54	\$470.84	\$479.22	\$8.38	1.78%	\$23.91	1.84%
Other professional and technical services.....	626.30	\$778.00	\$790.50	\$799.27	\$796.59	(\$2.68)	(0.34%)	\$18.52	(0.35%)
Other residential care facilities.....	141.10	\$567.77	\$578.68	\$579.67	\$574.90	(\$4.77)	(0.82%)	\$7.13	(0.84%)
Other support services.....	286.50	\$693.55	\$720.84	\$691.12	\$706.35	\$15.23	2.20%	\$12.81	2.20%
Performing arts companies.....	114.50	\$608.54	\$630.50	\$654.32	\$660.84	\$6.52	1.00%	\$52.30	1.07%
Personal care services.....	631.60	\$437.69	\$440.40	\$439.66	\$457.47	\$17.81	4.05%	\$19.78	4.07%
RV parks and recreational camps.....	56.90	\$402.68	\$414.67	\$427.84	\$403.17	(\$24.67)	(5.77%)	\$0.49	(6.13%)
Residential mental health facilities.....	566.00	\$550.97	\$563.62	\$573.74	\$575.40	\$1.66	0.29%	\$24.43	0.30%
Retail health & personal care.....	830.00	\$564.03	\$572.69	\$583.42	\$580.46	(\$2.96)	(0.51%)	\$16.43	(0.52%)
Services to buildings & dwellings.....	1,861.60	\$510.69	\$522.35	\$528.26	\$545.35	\$17.09	3.23%	\$34.66	3.35%
Snack and nonalcoholic beverage bars.....	694.20	\$291.16	\$295.92	\$297.70	\$299.04	\$1.35	0.45%	\$7.89	0.46%
Special food services.....	629.90	\$414.01	\$425.52	\$425.25	\$448.01	\$22.76	5.35%	\$33.99	5.50%
Spectator sports.....	124.50	\$729.96	\$651.69	\$668.05	\$684.93	\$16.88	2.53%	(\$45.03)	2.31%
Support activities for road transportation.....	89.20	\$710.23	\$761.27	\$768.99	\$781.26	\$12.27	1.60%	\$71.02	1.73%
Travel arrangement & reservation services.....	178.60	\$756.37	\$771.15	\$792.54	\$797.64	\$5.10	0.64%	\$41.27	0.67%
Traveler accommodation.....	1,726.20	\$453.56	\$464.13	\$465.77	\$462.56	(\$3.21)	(0.69%)	\$9.00	(0.71%)
Vocational rehabilitation services.....	282.10	\$434.64	\$467.87	\$469.08	\$473.03	\$3.95	0.84%	\$38.39	0.91%