

# Shift Share Analysis of Employment and Wages for Polk County

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## Overview

Polk County saw significant private sector employment growth from Q1 2016 through Q1 2020, adding over 24,000 jobs (13.1% growth) during the period. This is particularly strong when compared to the national growth of 6.3%. The difference in growth between the nation and county accounts for more than 12,700 jobs locally. Wages have also improved overall, with 16.9% growth to an average weekly wage of \$873. This, however, was outpaced by the growth of wages nationally by 1.2%.

The timing of the data used in this analysis pre-dates the most significant impacts due to COVID-19 as Q1 2020 ended right as the country began experiencing significant impacts and shutting down. This Shift Share analysis is a good representation on how our economy was doing immediately prior to COVID-19, but does not offer insight into how we, or the nation, have fared since. It will be several more months before the Q2, then Q3 data are available to measure those changes.

Using Shift Share Analysis, we are able to see a breakdown of what sectors and subsectors were responsible for the job growth, above and beyond what would have been expected. The growth can be broken down into 3 components:

1. The National Component – how many jobs would have been created if, at the county level, the sector grew at the overall national average (6.3% in the study period).
2. The Industry Component – the difference in job creation between the overall national average and the sector, at the national average.
3. The Local Component – the difference in job creation between the actual local employment change and what would have been expected given the overall national and industry growth.

To see how Polk County has fared, it is important to separate out the Local Component from the overall job growth. This was studied down to the 3-digit NAICS subsector level.

At the 2-digit level, we saw strong local growth from:

- Transportation and Warehousing (32.0%)
- Utilities (17.1%)
- Educational Services (16.5%)
- Wholesale Trade (13.9%)
- Professional and Technical Services (13.6%)
- Information (12.5%)

- Other Service, Except Public Administration (10.9%)
- Real Estate and Rental and Leasing (10.6%)
- Retail Trade (10.4%)
- Management of Companies and Enterprises (10.3%)
- Administrative and Waste Services (8.7%)

We saw moderate growth from:

- Construction (6.6%)
- Accommodation and Food Services (3.1%)
- Health Care and Social Assistance (0.6%)

We saw moderate shrinking from:

- Manufacturing (-0.7%)
- Finance and Insurance (-2.1%)

We saw significant shrinking from:

- Arts, Entertainment, and Recreation (-8.8%)
- Mining, Quarrying, and Oil and Gas Extraction (-21.1%)
- Agriculture, Forestry, Fishing and Hunting (-39.7%)

There can be much variation among the 3-digit subsectors within each sector. Analyzing this data may shed light on where the growth came from and how the growth in some areas compares to the losses in others. It is also worth considering the impact to the local economy of the jobs gained and lost. Two measures we can look at are Location Quotient (LQ) and average wages. LQs greater than 1 represent industries that have basic jobs for the Polk County economy, where basic jobs are ones above and beyond those necessary to meet the average demand for goods from that subsector given the population of the county. In other words, the basic jobs are the ones that produce the goods and services we “export” outside of the county, bringing outside money in. High LQ subsectors provide significant economic benefit to our county by bringing that outside money in. It is also worthwhile to study the changes to average wages in the subsectors. To do this, we can also conduct a Shift Share Analysis on the wages at the subsector level.

## Industry Summaries

### Agriculture

Within Agriculture, the most significant losses come from Agriculture and Forestry Support Activities, which lost over 1,300 jobs in Polk County. These represent basic jobs (LQ of 2.13), however the negative economic impact is mitigated by the relatively low average wages (\$660 weekly). Wages for the sector as a whole were up and roughly tracked the wage growth for the industry (local component of -0.2%).

### Mining, Quarrying, and Oil and Gas Extraction

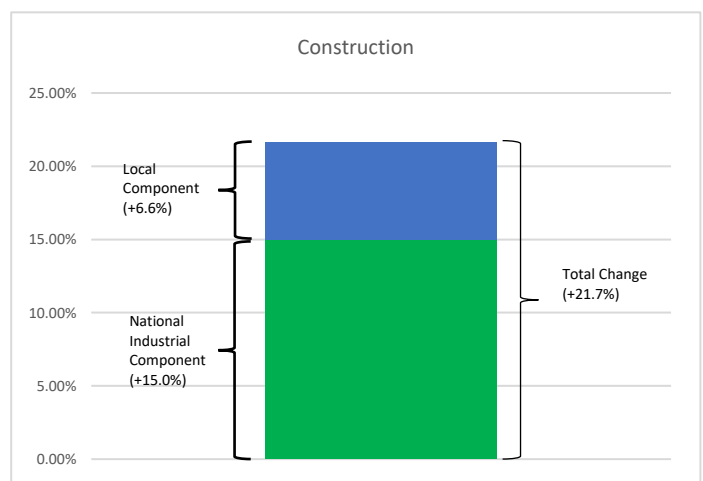
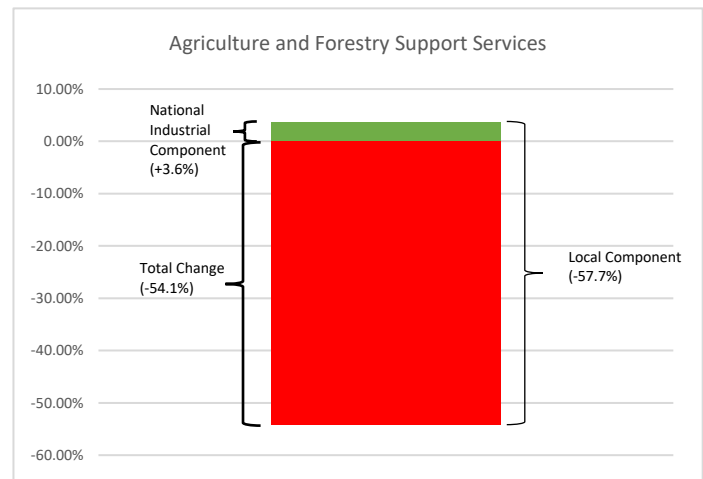
Newly listed since 2015 were 699 jobs in Mining, Except Oil and Gas, these jobs are impactful with a LQ of 2.4 and wages of \$1,695 per week.

### Utilities

Within Utilities there was meaningful growth for wages (+14.1%) and jobs (+15.9%), with wages lagging national growth for the industry by 1.1%, but jobs outperforming with the local component growth at 17.1%. Despite the relatively small size of the private Utility sector, these jobs are among our highest wage jobs with weekly wages of \$2,498. Continued growth here would create a meaningful economic impact.

### Construction

The time period under review (Q1 2016 to Q1 2020) saw a significant uptick in construction activity as we had pulled out of the 2007 – 2009 recession and building returned to normal levels. Overall, construction jobs are up 21.7%, with local growth stronger than national industrial growth by 6.6%. Wages for the industry are up as well (+21.6%) with Polk County outperforming the national industry averages (+4.2%). The future of this industry remains uncertain as the current recession is driven largely by forced shutdowns. Short-term changes in work from home arrangements may also have an impact on construction activity if a meaningful number of these arrangements become permanent. Workers may seek new/larger homes to accommodate their new needs and business may seek smaller offices to improve efficiency with fewer workers needing physical space.



## Manufacturing

In Manufacturing, Polk County outpaced national growth (21.2% in the county, with a local factor of 7.1%). There is, however, meaningful variation within the sector. The largest growth came from Nonmetallic Mineral Production Manufacturing and Electrical Equipment and Appliance Manufacturing which added 329 and 28 jobs, respectively. Nonmetallic Mineral Production Manufacturing pays above average wages (\$1,236 weekly) with a LQ of 1.8 while Electrical Equipment and Appliance Manufacturing pays an average wage (\$2,063 weekly) with only a LQ of 0.2, limiting its overall impact.

## Wholesale Trade

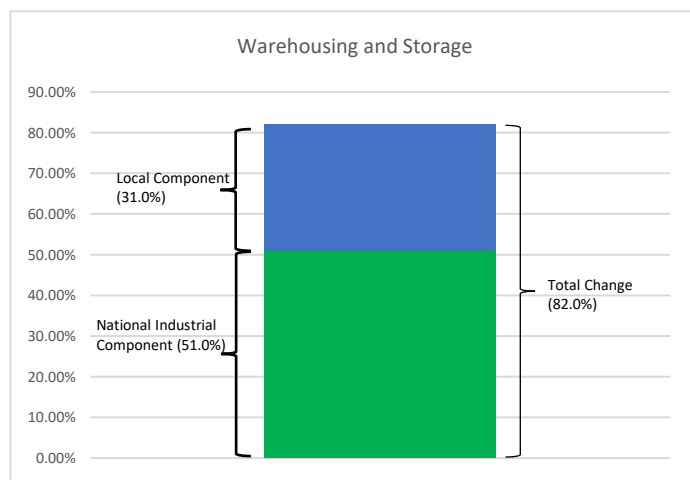
Wholesale Trade employment grew at 14.6%, with the local growth component at 13.9%. The additional jobs came from the Merchant Wholesalers, both Durable Goods and Nondurable Goods subsectors, which added 775 jobs and 535 jobs, respectively. While there was only 1 new job in the Electronic Markets and Agents and Brokers subsector, this bucked the national trend, which saw a reduction in jobs of 42.5%. Wholesale Trade jobs carried an average wage of \$1,236 per week.

## Retail Trade

Within the Retail Trade sector, there was significant variation among 3-digit classifications. While there was significant local growth in the General Merchandise Stores (+24.2%), Building Material and Garden Supply Stores (+13.0%), Food and Beverage Stores (+10.9%), and Gasoline Stations (+10.4%), other subsectors shrunk, the worst of which was Nonstore Retailers (-33.4%). The strong growth in the previously mentioned subsectors has a limited impact on the economy as the average wages in each of the subsectors is meaningfully below the county average. Among Retail Trade, the only subsector with above average wages is the Motor Vehicle and Parts Dealers (\$945 weekly), they experienced modest growth locally (+4.9%).

## Transportation and Warehousing

Job growth for Transportation and Warehousing outpaced the national industrial average (local component of +32.0%) and was responsible for over 7,000 new jobs. There was a loss of 655 jobs in Support Activities for Transportation subsector (local component of -57.4%), however, Warehousing and Storage jobs outperformed national industrial growth (local component of 31.0%) and added over 5,400 jobs overall. The losses in Support Activities for Transportation is mitigated by a lower LQ of 0.7 while the growth from Warehousing and Storage continues to bolster the county's strong position in the industry with an LQ of 5.6.



## **Information**

The Information sector grew at a faster pace locally than nationally (+12.5%), with much of the growth coming from the Telecommunications subsector and Data Processing, Hosting and Related Services subsector. While the Data Processing, Hosting and Related Services subsector remains relatively low impact, with an LQ well below 1, Telecommunications has now risen to a LQ of just above 1. With an above average wage (\$1,031 weekly), Telecommunications is of growing importance to the county.

## **Finance and Insurance**

While the net job gain in Finance and Insurance was small (+2.8%) with a negative local component (-2.1%), there was tradeoff between Insurance Carriers and Related Activities (+2.2%) and Credit Intermediation and Related Activities (-9.8%) at the local level. The gains in insurance are more impactful than the losses in credit intermediation as the former carries a LQ of 1.6 while the latter carries a LQ of 0.7, both with above average wages. Wages in those subsectors increased with the local component of Credit Intermediation and Related Activities rising 30.4% and the local component of Insurance Carriers and Related Activities rising 19.7%.

## **Real Estate and Rental and Leasing**

Real Estate and Rental and Leasing outpaced the national industrial employment growth (local component +10.6%), supported by growth at the Real Estate subsector level (local growth component +21.8%). This is of relatively low impact as the LQ is just below 1 and the average weekly wages (\$687) are below the county average.

## **Professional and Technical Services**

Professional and Technical Services is outpacing the national industrial employment growth pace (local component +13.6%) but remains a low impact portion of the economy with a LQ of 0.5, however the wages (\$1,036 weekly) are above county averages.

## **Management of Companies and Enterprises**

Management of Companies and Enterprises outpaced the national industrial employment growth (local component +10.3%) and remains a high impact (LQ 1.7) and high wage (\$1,531 weekly) industry for the county. However, wage growth lagged locally (+3.7%).

## **Administrative and Waste Services**

Locally, Administrative and Waste Services outpaced national industrial employment averages (local component +8.7%). The impact of this sector is increasing as the LQ remains above 1.0, however, the wages (\$635) are below county averages.

## **Educational Services**

Employment growth in Educational Services outpaced national industrial averages (local component +16.5%), while wages are climbing (+3.7%) as compared to wage changes around the nation.

## Health Care and Social Assistance

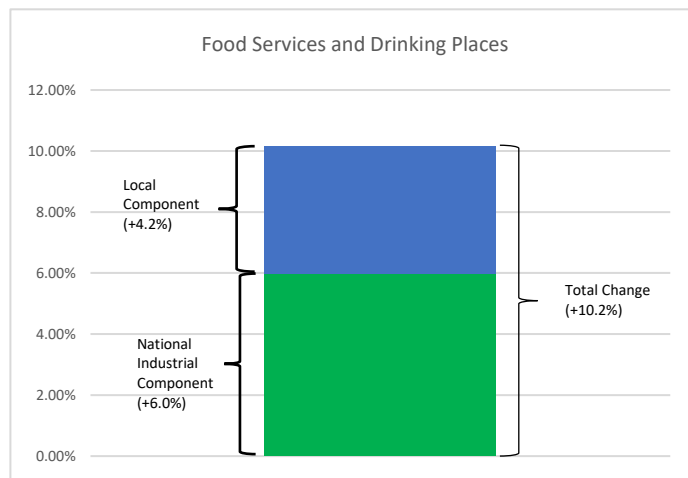
Employment growth in Hospitals and Nursing and Residential Care Facilities are falling just short of national industrial averages (local components of -0.5% and -1.9%, respectively), Social Assistance is falling further behind (local component of -4.4%), while growth is ahead of pace in Ambulatory Health Care Services (local component of +5.8%). The gains from Ambulatory Health Care Services outweighs the losses elsewhere as these jobs carry a higher wage (\$1,231) and similar or better LQ to the other health services subsectors. Wages in the Ambulatory Health Care Services are also on the rise locally (+4.8%) as compared to national industrial averages.

## Arts, Entertainment, and Recreation

Overall, the industry failed to keep pace level with national industrial averages (local component of -8.8%), driven by job losses in the Amusements, Gambling and Recreation subsector (local component of -13.8%, -2.1% overall). These losses were balanced out somewhat by gains in the smaller Performing Arts and Spectator Sports subsector (local component of +17.3%). The impact of the job losses was also mitigated by increasing weekly wages in the Amusements, Gambling and Recreation subsector (local component of +24.3%), although they remain well below county wage averages.

## Accommodation and Food Services

The employment growth in Accommodation and Food Services (local component of +3.1%) was driven by growth in Food Services and Drinking Places (local component of +4.2%). While overall wage growth in the subsector was positive, it failed to keep pace with national wage growth (local component of -5.0%). The county remains underserved by Accommodations (LQ of 0.5).



## Other Services, Except Public Administration

Employment in Other Services, Except Public Administration outpaced national industrial averages (local component of +10.9%), with meaningful gains coming from the Membership Associations and Organizations (local component of +15.9%) and Private Household (local component of +30.1%) subsectors. The gains in the Repair and Maintenance subsector (+7.3) are also impactful with an LQ of 1.3 and wages above the county average (\$909 weekly).

The tables including the full Shift Share analysis on employment and wages at the 2-digit and 3-digital levels are included on the pages that follow.

### Shift Share Analysis of Employment (Q1 2020 - Q1 2016)

	Employment (2020)	Total Change		National Component		Industry Component		Local Component		Location Quotient
		Change	Percentage	Change	Percentage	Change	Percentage	Change	Percentage	
<b>10 Total, all industries</b>	<b>204,656</b>	<b>24,032</b>	<b>13.31%</b>	<b>11,314</b>	<b>6.26%</b>			<b>12,719</b>	<b>7.04%</b>	<b>1.03</b>
102 Service-providing	170,329	22,908	15.54%	9,234	6.26%	-147	-0.10%	13,820	9.37%	1.04
101 Goods-producing	34,327	1,125	3.39%	2,080	6.26%	159	0.48%	-1,114	-3.36%	1.00
<b>NAICS 11 Agriculture, forestry, fishing and hunting</b>	<b>2,547</b>	<b>-1,582</b>	<b>-38.32%</b>	<b>259</b>	<b>6.26%</b>	<b>-202</b>	<b>-4.90%</b>	<b>-1,639</b>	<b>-39.68%</b>	<b>1.42</b>
NAICS 111 Crop production	1,163	-316	-21.35%	93	6.26%	-99	-6.70%	-309	-20.91%	1.52
NAICS 112 Animal production and aquaculture	262	48	22.59%	13	6.26%	-5	-2.48%	40	18.80%	0.60
NAICS 115 Agriculture and forestry support activities	1,108	-1,307	-54.12%	151	6.26%	-64	-2.66%	-1,394	-57.72%	2.13
<b>NAICS 21 Mining, quarrying, and oil and gas extraction</b>	<b>711</b>	<b>-219</b>	<b>-23.54%</b>	<b>58</b>	<b>6.26%</b>	<b>-81</b>	<b>-8.68%</b>	<b>-196</b>	<b>-21.12%</b>	<b>0.72</b>
NAICS 212 Mining, except oil and gas	699					Previously Unreported				2.42
<b>NAICS 22 Utilities</b>	<b>665</b>	<b>91</b>	<b>15.93%</b>	<b>36</b>	<b>6.26%</b>	<b>-43</b>	<b>-7.48%</b>	<b>98</b>	<b>17.14%</b>	<b>0.78</b>
NAICS 221 Utilities	665	91	15.93%	36	6.26%	-43	-7.48%	98	17.14%	0.78
<b>NAICS 23 Construction</b>	<b>13,798</b>	<b>2,457</b>	<b>21.66%</b>	<b>710</b>	<b>6.26%</b>	<b>993</b>	<b>8.76%</b>	<b>753</b>	<b>6.64%</b>	<b>1.19</b>
NAICS 236 Construction of buildings	2,278	86	3.92%	137	6.26%	183	8.37%	-235	-10.71%	0.87
NAICS 237 Heavy and civil engineering construction	1,454	91	6.68%	85	6.26%	143	10.52%	-138	-10.10%	0.89
NAICS 238 Specialty trade contractors	10,066	2,280	29.28%	488	6.26%	663	8.52%	1,129	14.50%	1.37
<b>NAICS 31-33 Manufacturing</b>	<b>17,270</b>	<b>469</b>	<b>2.79%</b>	<b>1,052</b>	<b>6.26%</b>	<b>-471</b>	<b>-2.80%</b>	<b>-112</b>	<b>-0.67%</b>	<b>0.86</b>
NAICS 311 Food manufacturing	4,679	235	5.30%	278	6.26%	73	1.64%	-116	-2.60%	1.81
NAICS 312 Beverage and tobacco product manufacturing	300	-3	-0.88%	19	6.26%	54	17.86%	-76	-25.01%	0.66
NAICS 314 Textile product mills	54	9	20.00%	3	6.26%	-5	-11.43%	11	25.17%	0.28
NAICS 315 Apparel manufacturing	13					Previously Unreported				0.09
NAICS 321 Wood product manufacturing	1,975	336	20.52%	103	6.26%	-10	-0.61%	244	14.87%	3.07
NAICS 322 Paper manufacturing	673	9	1.41%	42	6.26%	-53	-7.96%	21	3.10%	1.16
NAICS 323 Printing and related support activities	577	-30	-4.99%	38	6.26%	-82	-13.43%	13	2.17%	0.87
NAICS 324 Petroleum and coal products manufacturing	230	34	17.32%	12	6.26%	-10	-5.07%	32	16.13%	1.30
NAICS 325 Chemical manufacturing	2,104	-21	-0.97%	133	6.26%	-14	-0.66%	-140	-6.58%	1.55
NAICS 326 Plastics and rubber products manufacturing	1,041	103	10.94%	59	6.26%	-19	-2.02%	63	6.70%	0.89
NAICS 327 Nonmetallic mineral product manufacturing	1,143	329	40.46%	51	6.26%	-19	-2.30%	297	36.50%	1.75
NAICS 332 Fabricated metal product manufacturing	1,495	-62	-3.98%	98	6.26%	-66	-4.23%	-94	-6.02%	0.64
NAICS 333 Machinery manufacturing	1,315	154	13.26%	73	6.26%	-54	-4.67%	136	11.67%	0.80
NAICS 334 Computer and electronic product manufacturing	131	-98	-42.71%	14	6.26%	-8	-3.55%	-104	-45.43%	0.08
NAICS 335 Electrical equipment and appliance mfg.	110	28	33.47%	5	6.26%	-2	-2.44%	25	29.65%	0.18
NAICS 336 Transportation equipment manufacturing	518	-33	-5.99%	34	6.26%	1	0.17%	-68	-12.42%	0.19
NAICS 337 Furniture and related product manufacturing	138	-23	-14.49%	10	6.26%	-12	-7.26%	-22	-13.50%	0.22
NAICS 339 Miscellaneous manufacturing	366	-594	-61.90%	60	6.26%	-11	-1.11%	-643	-67.05%	0.37
<b>NAICS 42 Wholesale trade</b>	<b>10,286</b>	<b>1,311</b>	<b>14.60%</b>	<b>562</b>	<b>6.26%</b>	<b>-500</b>	<b>-5.57%</b>	<b>1,249</b>	<b>13.91%</b>	<b>1.11</b>
NAICS 423 Merchant wholesalers, durable goods	5,020	775	18.25%	266	6.26%	160	3.77%	349	8.22%	0.99
NAICS 424 Merchant wholesalers, nondurable goods	4,631	535	13.07%	257	6.26%	0	0.00%	279	6.81%	1.37
NAICS 425 Electronic markets and agents and brokers	635	1	0.11%	40	6.26%	-309	-48.78%	270	42.62%	0.78
<b>NAICS 44-45 Retail trade</b>	<b>29,104</b>	<b>2,455</b>	<b>9.21%</b>	<b>1,669</b>	<b>6.26%</b>	<b>-1,985</b>	<b>-7.45%</b>	<b>2,771</b>	<b>10.40%</b>	<b>1.20</b>
NAICS 441 Motor vehicle and parts dealers	5,220	406	8.43%	302	6.26%	-130	-2.71%	235	4.87%	1.63
NAICS 442 Furniture and home furnishings stores	824	-8	-1.00%	52	6.26%	-56	-6.75%	-4	-0.52%	1.13
NAICS 443 Electronics and appliance stores	671	-110	-14.08%	49	6.26%	-136	-17.35%	-23	-2.99%	0.91
NAICS 444 Building material and garden supply stores	2,751	412	17.60%	147	6.26%	-39	-1.67%	304	13.01%	1.35
NAICS 445 Food and beverage stores	5,543	537	10.73%	314	6.26%	-324	-6.47%	547	10.94%	1.16
NAICS 446 Health and personal care stores	1,650	-9	-0.52%	104	6.26%	-108	-6.52%	-4	-0.27%	1.01
NAICS 447 Gasoline stations	1,565	191	13.87%	86	6.26%	-38	-2.77%	143	10.38%	1.04
NAICS 448 Clothing and clothing accessories stores	1,517	27	1.79%	93	6.26%	-191	-12.80%	124	8.33%	0.77
NAICS 451 Sports, hobby, music instrument, book stores	791	-63	-7.42%	53	6.26%	-165	-19.37%	49	5.69%	0.95
NAICS 452 General merchandise stores	7,581	1,177	18.38%	401	6.26%	-773	-12.08%	1,549	24.19%	1.65
NAICS 453 Miscellaneous store retailers	799	-50	-5.85%	53	6.26%	-36	-4.27%	-67	-7.84%	0.62
NAICS 454 Nonstore retailers	194	-53	-21.59%	15	6.26%	14	5.58%	-83	-33.44%	0.21
<b>NAICS 48-49 Transportation and warehousing</b>	<b>20,735</b>	<b>7,092</b>	<b>51.99%</b>	<b>855</b>	<b>6.26%</b>	<b>1,872</b>	<b>13.72%</b>	<b>4,366</b>	<b>32.00%</b>	<b>2.30</b>
NAICS 481 Air transportation	8					Previously Unreported				0.01
NAICS 484 Truck transportation	6,096	1,352	28.49%	297	6.26%	-56	-1.19%	1,111	23.41%	2.57
NAICS 485 Transit and ground passenger transportation	45	-63	-58.20%	7	6.26%	-5	-4.85%	-64	-59.62%	0.05
NAICS 486 Pipeline transportation	15					Previously Unreported				0.17
NAICS 487 Scenic and sightseeing transportation	14	8	127.78%	0	6.26%	0	-0.68%	7	122.20%	0.47
NAICS 488 Support activities for transportation	864	-665	-43.48%	96	6.26%	117	7.67%	-878	-57.42%	0.73
NAICS 492 Couriers and messengers	1,641	1,070	187.28%	36	6.26%	208	36.38%	826	144.64%	1.10
NAICS 493 Warehousing and storage	12,051	5,428	81.95%	415	6.26%	2,961	44.71%	2,052	30.98%	5.59

	Employment (2020)	Total Change		National Component		Industry Component		Local Component		Location Quotient
		Change	Percentage	Change	Percentage	Change	Percentage	Change	Percentage	
<b>NAICS 51 Information</b>	<b>1,881</b>	<b>275</b>	<b>17.12%</b>	<b>101</b>	<b>6.26%</b>	<b>-27</b>	<b>-1.65%</b>	<b>201</b>	<b>12.51%</b>	<b>0.42</b>
NAICS 511 Publishing industries, except internet	402	-49	-10.86%	28	6.26%	6	1.32%	-83	-18.45%	0.32
NAICS 512 Motion picture and sound recording industries	188	-34	-15.42%	14	6.26%	-4	-1.73%	-44	-19.96%	0.25
NAICS 515 Broadcasting, except internet	92	14	18.03%	5	6.26%	-8	-10.18%	17	21.94%	0.22
NAICS 517 Telecommunications	1,102	278	33.81%	52	6.26%	-154	-18.66%	380	46.20%	1.03
NAICS 518 Data processing, hosting and related services	65	50	333.33%	1	6.26%	2	15.89%	47	311.18%	0.12
NAICS 519 Other information services	32	16	97.96%	1	6.26%	5	32.65%	10	59.05%	0.06
<b>NAICS 52 Finance and insurance</b>	<b>9,343</b>	<b>255</b>	<b>2.81%</b>	<b>569</b>	<b>6.26%</b>	<b>-124</b>	<b>-1.37%</b>	<b>-190</b>	<b>-2.09%</b>	<b>0.97</b>
NAICS 522 Credit intermediation and related activities	2,861	-203	-6.62%	192	6.26%	-96	-3.12%	-299	-9.76%	0.68
NAICS 523 Securities, commodity contracts, investments	429	-52	-10.88%	30	6.26%	-10	-2.12%	-72	-15.02%	0.29
NAICS 524 Insurance carriers and related activities	6,029	500	9.05%	346	6.26%	31	0.55%	123	2.23%	1.57
NAICS 525 Funds, trusts, and other financial vehicles	25	10	68.18%	1	6.26%	12	84.03%	-3	-22.12%	0.88
<b>NAICS 53 Real estate and rental and leasing</b>	<b>3,392</b>	<b>580</b>	<b>20.63%</b>	<b>176</b>	<b>6.26%</b>	<b>106</b>	<b>3.77%</b>	<b>298</b>	<b>10.60%</b>	<b>0.93</b>
NAICS 531 Real estate	2,642	662	33.45%	124	6.26%	107	5.43%	431	21.76%	0.98
<b>NAICS 54 Professional and technical services</b>	<b>7,853</b>	<b>1,521</b>	<b>24.02%</b>	<b>397</b>	<b>6.26%</b>	<b>261</b>	<b>4.12%</b>	<b>864</b>	<b>13.64%</b>	<b>0.51</b>
NAICS 541 Professional and technical services	7,853	1,521	24.02%	397	6.26%	261	4.12%	864	13.64%	0.51
<b>NAICS 55 Management of companies and enterprises</b>	<b>6,361</b>	<b>1,016</b>	<b>19.00%</b>	<b>335</b>	<b>6.26%</b>	<b>132</b>	<b>2.47%</b>	<b>549</b>	<b>10.27%</b>	<b>1.66</b>
NAICS 551 Management of companies and enterprises	6,361	1,016	19.00%	335	6.26%	132	2.47%	549	10.27%	1.66
<b>NAICS 56 Administrative and waste services</b>	<b>15,946</b>	<b>1,829</b>	<b>12.95%</b>	<b>884</b>	<b>6.26%</b>	<b>-282</b>	<b>-2.00%</b>	<b>1,227</b>	<b>8.69%</b>	<b>1.12</b>
NAICS 561 Administrative and support services	15,117	1,872	14.13%	830	6.26%	-328	-2.48%	1,370	10.35%	1.12
NAICS 562 Waste management and remediation services	829	-43	-4.93%	55	6.26%	70	8.08%	-168	-19.27%	1.15
<b>NAICS 61 Educational services</b>	<b>4,581</b>	<b>905</b>	<b>24.63%</b>	<b>230</b>	<b>6.26%</b>	<b>70</b>	<b>1.91%</b>	<b>605</b>	<b>16.45%</b>	<b>0.95</b>
NAICS 611 Educational services	4,581	905	24.63%	230	6.26%	70	1.91%	605	16.45%	0.95
<b>NAICS 62 Health care and social assistance</b>	<b>29,764</b>	<b>2,668</b>	<b>9.85%</b>	<b>1,697</b>	<b>6.26%</b>	<b>820</b>	<b>3.03%</b>	<b>150</b>	<b>0.56%</b>	<b>0.92</b>
NAICS 621 Ambulatory health care services	12,724	1,926	17.84%	676	6.26%	623	5.77%	627	5.81%	1.03
NAICS 622 Hospitals	8,671	402	4.87%	518	6.26%	-73	-0.89%	-42	-0.51%	1.06
NAICS 623 Nursing and residential care facilities	5,205	10	0.19%	325	6.26%	-218	-4.19%	-98	-1.88%	0.97
NAICS 624 Social assistance	3,165	329	11.61%	178	6.26%	277	9.77%	-125	-4.42%	0.49
<b>NAICS 71 Arts, entertainment, and recreation</b>	<b>4,200</b>	<b>122</b>	<b>2.99%</b>	<b>255</b>	<b>6.26%</b>	<b>225</b>	<b>5.52%</b>	<b>-359</b>	<b>-8.79%</b>	<b>1.18</b>
NAICS 711 Performing arts and spectator sports	720	164	29.42%	35	6.26%	33	5.90%	96	17.26%	0.98
NAICS 712 Museums, historical sites, zoos, and parks	196	29	17.37%	10	6.26%	8	5.07%	10	6.03%	0.78
NAICS 713 Amusements, gambling, and recreation	3,284	-71	-2.11%	210	6.26%	183	5.46%	-464	-13.83%	1.28
<b>NAICS 72 Accommodation and food services</b>	<b>20,305</b>	<b>1,716</b>	<b>9.23%</b>	<b>1,164</b>	<b>6.26%</b>	<b>-30</b>	<b>-0.16%</b>	<b>582</b>	<b>3.13%</b>	<b>0.95</b>
NAICS 721 Accommodation	1,672	-3	-0.20%	105	6.26%	8	0.49%	-116	-6.95%	0.53
NAICS 722 Food services and drinking places	18,633	1,719	10.16%	1,059	6.26%	-46	-0.27%	706	4.17%	1.02
<b>NAICS 81 Other services, except public administration</b>	<b>5,581</b>	<b>768</b>	<b>15.96%</b>	<b>301</b>	<b>6.26%</b>	<b>-60</b>	<b>-1.25%</b>	<b>526</b>	<b>10.94%</b>	<b>0.78</b>
NAICS 811 Repair and maintenance	2,689	288	11.99%	150	6.26%	-38	-1.59%	176	7.32%	1.26
NAICS 812 Personal and laundry services	1,437	212	17.28%	77	6.26%	11	0.94%	123	10.08%	0.61
NAICS 813 Membership associations and organizations	1,058	176	19.99%	55	6.26%	-19	-2.21%	141	15.94%	0.48
NAICS 814 Private households	396	92	30.23%	19	6.26%	-19	-6.10%	91	30.07%	0.88
<b>NAICS 99 Unclassified</b>	<b>332</b>	<b>303</b>	<b>1070.59%</b>	<b>2</b>	<b>6.26%</b>	<b>-8</b>	<b>-27.92%</b>	<b>309</b>	<b>1092.24%</b>	<b>1.15</b>
NAICS 999 Unclassified	332	303	1070.59%	2	6.26%	-8	-27.92%	309	1092.24%	1.15



### Shift Share Analysis of Wages (Q1 2020 - Q1 2016)

	Avg Weekly Wage (2020)	Total Change		National Component		Industry Component		Local Component		Location Quotient
		Change	Percentage	Change	Percentage	Change	Percentage	Change	Percentage	
<b>10 Total, all industries</b>	<b>873</b>	<b>126</b>	<b>16.87%</b>	<b>135</b>	<b>18.03%</b>			<b>-9</b>	<b>-1.17%</b>	<b>1.02</b>
102 Service-providing	834	116	16.16%	129	18.03%	6	0.81%	-19	-2.69%	1.00
101 Goods-producing	1,066	192	21.97%	158	18.03%	-31	-3.57%	66	7.50%	1.10
<b>NAICS 11 Agriculture, forestry, fishing and hunting</b>	<b>652</b>	<b>109</b>	<b>20.07%</b>	<b>98</b>	<b>18.03%</b>	<b>12</b>	<b>2.20%</b>	<b>-1</b>	<b>-0.16%</b>	<b>1.81</b>
NAICS 111 Crop production	604	-3	-0.49%	109	18.03%	29	4.73%	-141	-23.26%	1.96
NAICS 112 Animal production and aquaculture	831	56	7.23%	140	18.03%	0	0.00%	-84	-10.81%	0.92
NAICS 115 Agriculture and forestry support activities	660	177	36.65%	87	18.03%	25	5.08%	65	13.53%	2.79
<b>NAICS 21 Mining, quarrying, and oil and gas extraction</b>	<b>1,685</b>	<b>242</b>	<b>16.77%</b>	<b>260</b>	<b>18.03%</b>	<b>-106</b>	<b>-7.32%</b>	<b>87</b>	<b>6.06%</b>	<b>0.69</b>
NAICS 212 Mining, except oil and gas	1,695					Previously Unreported				3.53
<b>NAICS 22 Utilities</b>	<b>2,498</b>	<b>309</b>	<b>14.12%</b>	<b>395</b>	<b>18.03%</b>	<b>-63</b>	<b>-2.87%</b>	<b>-23</b>	<b>-1.05%</b>	<b>1.01</b>
NAICS 221 Utilities	2,498	309	14.12%	395	18.03%	-63	-2.87%	-23	-1.05%	1.01
<b>NAICS 23 Construction</b>	<b>940</b>	<b>167</b>	<b>21.60%</b>	<b>139</b>	<b>18.03%</b>	<b>-5</b>	<b>-0.64%</b>	<b>33</b>	<b>4.21%</b>	<b>1.28</b>
NAICS 236 Construction of buildings	1,209	267	28.34%	170	18.03%	9	0.94%	88	9.37%	1.07
NAICS 237 Heavy and civil engineering construction	1,099	270	32.57%	150	18.03%	-8	-0.91%	128	15.44%	0.95
NAICS 238 Specialty trade contractors	856	141	19.72%	129	18.03%	-9	-1.30%	21	2.98%	1.47
<b>NAICS 31-33 Manufacturing</b>	<b>1,202</b>	<b>210</b>	<b>21.17%</b>	<b>179</b>	<b>18.03%</b>	<b>-39</b>	<b>-3.98%</b>	<b>71</b>	<b>7.11%</b>	<b>1.01</b>
NAICS 311 Food manufacturing	1,110	211	23.47%	162	18.03%	-41	-4.56%	90	9.99%	2.85
NAICS 312 Beverage and tobacco product manufacturing	943	111	13.34%	150	18.03%	-137	-16.43%	98	11.73%	0.81
NAICS 314 Textile product mills	687	1	0.15%	124	18.03%	-24	-3.50%	-99	-14.39%	0.35
NAICS 315 Apparel manufacturing	357					Previously Unreported				0.04
NAICS 321 Wood product manufacturing	804	161	25.04%	116	18.03%	26	4.00%	19	3.00%	3.70
NAICS 322 Paper manufacturing	1,395	241	20.88%	208	18.03%	-119	-10.35%	152	13.20%	1.63
NAICS 323 Printing and related support activities	787	81	11.47%	127	18.03%	-39	-5.49%	-8	-1.07%	0.97
NAICS 324 Petroleum and coal products manufacturing	2,107	127	6.41%	357	18.03%	-304	-15.34%	74	3.72%	1.45
NAICS 325 Chemical manufacturing	1,618	-29	-1.76%	297	18.03%	-50	-3.05%	-276	-16.75%	1.47
NAICS 326 Plastics and rubber products manufacturing	1,171	263	28.96%	164	18.03%	-34	-3.70%	133	14.63%	1.35
NAICS 327 Nonmetallic mineral product manufacturing	1,236	196	18.85%	188	18.03%	-35	-3.36%	43	4.17%	2.59
NAICS 332 Fabricated metal product manufacturing	1,019	86	9.22%	168	18.03%	-31	-3.36%	-51	-5.45%	0.81
NAICS 333 Machinery manufacturing	1,302	272	26.41%	186	18.03%	-39	-3.80%	125	12.18%	0.92
NAICS 334 Computer and electronic product manufacturing	1,640	656	66.67%	177	18.03%	-3	-0.30%	481	48.93%	0.07
NAICS 335 Electrical equipment and appliance mfg.	2,063	1,150	125.96%	165	18.03%	-7	-0.82%	993	108.74%	0.36
NAICS 336 Transportation equipment manufacturing	831	63	8.20%	139	18.03%	-59	-7.69%	-16	-2.14%	0.14
NAICS 337 Furniture and related product manufacturing	712	181	34.09%	96	18.03%	-17	-3.15%	102	19.20%	0.24
NAICS 339 Miscellaneous manufacturing	959	49	5.38%	164	18.03%	-34	-3.70%	-81	-8.95%	0.36
<b>NAICS 42 Wholesale trade</b>	<b>1,236</b>	<b>151</b>	<b>13.92%</b>	<b>196</b>	<b>18.03%</b>	<b>-20</b>	<b>-1.80%</b>	<b>-25</b>	<b>-2.32%</b>	<b>1.16</b>
NAICS 423 Merchant wholesalers, durable goods	1,310	236	21.97%	194	18.03%	16	1.45%	27	2.49%	1.11
NAICS 424 Merchant wholesalers, nondurable goods	1,172	95	8.82%	194	18.03%	44	4.09%	-143	-13.31%	1.43
NAICS 425 Electronic markets and agents and brokers	1,122	-93	-7.65%	219	18.03%	-82	-6.77%	-230	-18.92%	0.58
<b>NAICS 44-45 Retail trade</b>	<b>577</b>	<b>64</b>	<b>12.48%</b>	<b>93</b>	<b>18.03%</b>	<b>2</b>	<b>0.36%</b>	<b>-30</b>	<b>-5.92%</b>	<b>1.46</b>
NAICS 441 Motor vehicle and parts dealers	945	127	15.53%	148	18.03%	-35	-4.24%	14	1.73%	2.16
NAICS 442 Furniture and home furnishings stores	789	169	27.26%	112	18.03%	9	1.46%	48	7.76%	1.63
NAICS 443 Electronics and appliance stores	725	132	22.26%	107	18.03%	-19	-3.19%	44	7.42%	0.92
NAICS 444 Building material and garden supply stores	556	4	0.72%	100	18.03%	-35	-6.30%	-61	-11.01%	1.52
NAICS 445 Food and beverage stores	432	40	10.20%	71	18.03%	-4	-0.92%	-27	-6.91%	1.34
NAICS 446 Health and personal care stores	701	45	6.86%	118	18.03%	-16	-2.38%	-58	-8.80%	1.21
NAICS 447 Gasoline stations	429	57	15.32%	67	18.03%	6	1.70%	-16	-4.41%	1.39
NAICS 448 Clothing and clothing accessories stores	343	22	6.85%	58	18.03%	5	1.42%	-40	-12.60%	0.78
NAICS 451 Sports, hobby, music instrument, book stores	342	27	8.57%	57	18.03%	-1	-0.39%	-29	-9.08%	1.01
NAICS 452 General merchandise stores	482	65	15.59%	75	18.03%	-2	-0.58%	-8	-1.87%	2.19
NAICS 453 Miscellaneous store retailers	467	72	18.23%	71	18.03%	-2	-0.55%	3	0.74%	0.73
NAICS 454 Nonstore retailers	770	154	25.00%	111	18.03%	94	15.27%	-51	-8.30%	0.15
<b>NAICS 48-49 Transportation and warehousing</b>	<b>859</b>	<b>60</b>	<b>7.51%</b>	<b>144</b>	<b>18.03%</b>	<b>-58</b>	<b>-7.24%</b>	<b>-26</b>	<b>-3.28%</b>	<b>2.60</b>
NAICS 481 Air transportation	1,035					Previously Unreported				0.01
NAICS 484 Truck transportation	968	186	23.79%	141	18.03%	-1	-0.11%	46	5.86%	3.39
NAICS 485 Transit and ground passenger transportation	422	-90	-17.58%	92	18.03%	123	24.07%	-306	-59.68%	0.05
NAICS 486 Pipeline transportation	2,432					Previously Unreported				0.18
NAICS 487 Scenic and sightseeing transportation	296	23	8.42%	49	18.03%	9	3.19%	-35	-12.80%	0.19
NAICS 488 Support activities for transportation	897	76	9.26%	148	18.03%	-12	-1.52%	-60	-7.26%	0.79
NAICS 492 Couriers and messengers	706	-139	-16.45%	152	18.03%	-150	-17.80%	-141	-16.68%	1.34
NAICS 493 Warehousing and storage	823	19	2.36%	145	18.03%	-122	-15.16%	-4	-0.51%	7.95

	Avg Weekly Wage (2020)	Total Change		National Component		Industry Component		Local Component		Location Quotient
		Change	Percentage	Change	Percentage	Change	Percentage	Change	Percentage	
<b>NAICS 51 Information</b>	<b>991</b>	<b>-32</b>	<b>-3.13%</b>	<b>184</b>	<b>18.03%</b>	<b>144</b>	<b>14.12%</b>	<b>-361</b>	<b>-35.28%</b>	<b>0.21</b>
NAICS 511 Publishing industries, except internet	1,071	260	32.06%	146	18.03%	177	21.78%	-63	-7.76%	0.17
NAICS 512 Motion picture and sound recording industries	454	159	53.90%	53	18.03%	-19	-6.48%	125	42.34%	0.12
NAICS 515 Broadcasting, except internet	803	-1,761	-68.68%	462	18.03%	164	6.41%	-2,388	-93.12%	0.11
NAICS 517 Telecommunications	1,031	-171	-14.23%	217	18.03%	22	1.86%	-410	-34.12%	0.64
NAICS 518 Data processing, hosting and related services	1,550	958	161.82%	107	18.03%	78	13.17%	773	130.62%	0.09
NAICS 519 Other information services	1,132	244	27.48%	160	18.03%	97	10.92%	-13	-1.47%	0.02
<b>NAICS 52 Finance and insurance</b>	<b>1,538</b>	<b>466</b>	<b>43.47%</b>	<b>193</b>	<b>18.03%</b>	<b>32</b>	<b>3.02%</b>	<b>240</b>	<b>22.41%</b>	<b>0.70</b>
NAICS 522 Credit intermediation and related activities	1,759	652	58.90%	200	18.03%	116	10.47%	337	30.40%	0.73
NAICS 523 Securities, commodity contracts, investments	2,352	558	31.10%	324	18.03%	-28	-1.54%	262	14.61%	0.14
NAICS 524 Insurance carriers and related activities	1,377	386	38.95%	179	18.03%	12	1.20%	195	19.72%	1.36
NAICS 525 Funds, trusts, and other financial vehicles	1,250	696	125.63%	100	18.03%	121	21.83%	475	85.77%	0.37
<b>NAICS 53 Real estate and rental and leasing</b>	<b>730</b>	<b>71</b>	<b>10.77%</b>	<b>119</b>	<b>18.03%</b>	<b>14</b>	<b>2.13%</b>	<b>-62</b>	<b>-9.39%</b>	<b>0.73</b>
NAICS 531 Real estate	687	92	15.46%	107	18.03%	11	1.86%	-26	-4.43%	0.70
<b>NAICS 54 Professional and technical services</b>	<b>1,036</b>	<b>105</b>	<b>11.28%</b>	<b>168</b>	<b>18.03%</b>	<b>11</b>	<b>1.14%</b>	<b>-74</b>	<b>-7.90%</b>	<b>0.36</b>
NAICS 541 Professional and technical services	1,036	105	11.28%	168	18.03%	11	1.14%	-74	-7.90%	0.36
<b>NAICS 55 Management of companies and enterprises</b>	<b>1,531</b>	<b>146</b>	<b>10.54%</b>	<b>250</b>	<b>18.03%</b>	<b>-53</b>	<b>-3.81%</b>	<b>-51</b>	<b>-3.68%</b>	<b>1.18</b>
NAICS 551 Management of companies and enterprises	1,531	146	10.54%	250	18.03%	-53	-3.81%	-51	-3.68%	1.18
<b>NAICS 56 Administrative and waste services</b>	<b>635</b>	<b>41</b>	<b>6.90%</b>	<b>107</b>	<b>18.03%</b>	<b>19</b>	<b>3.14%</b>	<b>-85</b>	<b>-14.28%</b>	<b>1.15</b>
NAICS 561 Administrative and support services	607	35	6.12%	103	18.03%	17	3.06%	-86	-14.97%	1.13
NAICS 562 Waste management and remediation services	1,140	218	23.64%	166	18.03%	-7	-0.74%	59	6.35%	1.50
<b>NAICS 61 Educational services</b>	<b>759</b>	<b>109</b>	<b>16.77%</b>	<b>117</b>	<b>18.03%</b>	<b>-32</b>	<b>-4.94%</b>	<b>24</b>	<b>3.68%</b>	<b>1.02</b>
NAICS 611 Educational services	759	109	16.77%	117	18.03%	-32	-4.94%	24	3.68%	1.02
<b>NAICS 62 Health care and social assistance</b>	<b>965</b>	<b>149</b>	<b>18.26%</b>	<b>147</b>	<b>18.03%</b>	<b>-19</b>	<b>-2.34%</b>	<b>21</b>	<b>2.56%</b>	<b>1.25</b>
NAICS 621 Ambulatory health care services	1,231	199	19.28%	186	18.03%	-36	-3.53%	49	4.78%	1.47
NAICS 622 Hospitals	967	98	11.28%	157	18.03%	-17	-1.91%	-42	-4.85%	1.11
NAICS 623 Nursing and residential care facilities	642	118	22.52%	95	18.03%	6	1.10%	18	3.39%	1.33
NAICS 624 Social assistance	420	43	11.41%	68	18.03%	3	0.81%	-28	-7.43%	0.58
<b>NAICS 71 Arts, entertainment, and recreation</b>	<b>645</b>	<b>185</b>	<b>40.22%</b>	<b>83</b>	<b>18.03%</b>	<b>-22</b>	<b>-4.76%</b>	<b>124</b>	<b>26.95%</b>	<b>1.45</b>
NAICS 711 Performing arts and spectator sports	1,505	308	25.73%	216	18.03%	-48	-3.99%	140	11.69%	1.25
NAICS 712 Museums, historical sites, zoos, and parks	687	145	26.75%	98	18.03%	-4	-0.80%	52	9.52%	0.98
NAICS 713 Amusements, gambling, and recreation	454	120	35.93%	60	18.03%	-22	-6.45%	81	24.34%	1.74
<b>NAICS 72 Accommodation and food services</b>	<b>352</b>	<b>41</b>	<b>13.18%</b>	<b>56</b>	<b>18.03%</b>	<b>0</b>	<b>-0.15%</b>	<b>-15</b>	<b>-4.70%</b>	<b>1.06</b>
NAICS 721 Accommodation	460	73	18.86%	70	18.03%	-3	-0.85%	6	1.68%	0.51
NAICS 722 Food services and drinking places	342	39	12.87%	55	18.03%	0	-0.12%	-15	-5.04%	1.22
<b>NAICS 81 Other services, except public administration</b>	<b>735</b>	<b>67</b>	<b>10.03%</b>	<b>120</b>	<b>18.03%</b>	<b>2</b>	<b>0.34%</b>	<b>-56</b>	<b>-8.34%</b>	<b>1.02</b>
NAICS 811 Repair and maintenance	909	100	12.36%	146	18.03%	7	0.82%	-53	-6.49%	1.76
NAICS 812 Personal and laundry services	518	19	3.81%	90	18.03%	-1	-0.10%	-70	-14.12%	0.78
NAICS 813 Membership associations and organizations	677	73	12.09%	109	18.03%	4	0.63%	-40	-6.58%	0.48
NAICS 814 Private households	499	81	19.38%	75	18.03%	9	2.05%	-3	-0.71%	1.14
<b>NAICS 99 Unclassified</b>	<b>485</b>	<b>76</b>	<b>18.58%</b>	<b>74</b>	<b>18.03%</b>	<b>28</b>	<b>6.81%</b>	<b>-26</b>	<b>-6.26%</b>	<b>0.64</b>
NAICS 999 Unclassified	485	76	18.58%	74	18.03%	28	6.81%	-26	-6.26%	0.64