March/April 2016

Manufacturing Productivity in U.S. Metros

National productivity has flattened, but some regions are gaining



In this brief we examine U.S. Bureau of Labor Statistics (BLS) and Bureau of Economic Analysis (BEA) data regarding the productivity of the manufacturing sector for U.S. metropolitan areas.

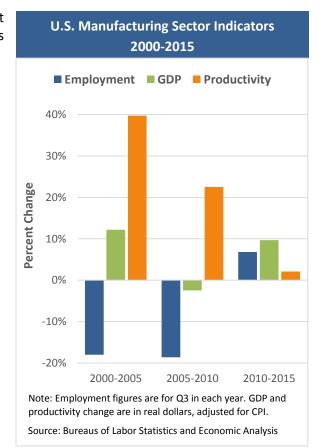
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The ongoing struggles of the manufacturing sector has been – and will continue to be – a central theme of this year's election cycle, particularly in the states and metro areas that have been hit hardest by job losses in this industry. What is missing from the narrative is the fact that, in spite of the job losses, the manufacturing economy in the U.S. has actually continued to grow. Between 2000 and 2015, while the number of manufacturing jobs in the U.S. declined by 29%, the real Gross Domestic Product (GDP) for the manufacturing sector actually increased by 25%.

The simple explanation for this trend is that productivity in the manufacturing sector has increased exponentially during the past 15 years. In 2000, the average U.S. manufacturing worker contributed \$141,000 towards GDP; by 2015, the average worker contributed \$322,000. This represents a 90% increase in productivity in real dollars in just 15 years. Automation has played a key role in this dramatic increase — with more efficient manufacturing processes, fewer workers are needed to produce the same amount of goods.

Interestingly, these productivity gains were mostly achieved between 2000 and 2010. From 2010 to 2015, manufacturing employment has rebounded – the U.S. has actually added close to 800,000 jobs in this sector over the past five years, an increase of 7%. Meanwhile, real manufacturing GDP has only increased by 8% during this period, resulting in very minor productivity increases. The lack of recent growth in manufacturing productivity should be a major concern for cities and regions around the country, as it is a critical component of profitability for manufacturing companies.



In terms of manufacturing Gross Regional Product

(GRP) per worker, the most productive U.S. metro areas tend to be areas that fit one of two categories. The first is areas with major research universities such as Corvallis, OR (Oregon State University) and Durham-Chapel Hill, NC (University of North Carolina, NC State and Duke University), as manufacturing jobs in these areas are more likely to be in high-tech industries. The second category is areas with a heavy concentration of oil and gas production such as Lake Charles, LA, Baton Rouge, LA, Fairbanks, AK,

and Corpus Christi, TX. The 10 most productive metro areas in terms of manufacturing GRP per worker are listed below.

10 US Metro Areas with Highest Levels of Manufacturing Productivity

Ranked by Gross Regional Product (GRP) per Manufacturing Employee

Metro Area	Manufacturing Employment (Q3 2015)	GRP (\$Millions, 2014)	Productivity per Worker*	Location Quotient (LQ)
Corvallis, OR	2,918	\$2,503	\$857,877	0.90
Durham-Chapel Hill, NC	29,242	\$15,361	\$525,300	1.17
Lake Charles, LA	10,310	\$4,990	\$483,980	1.19
New Orleans-Metairie, LA	30,628	\$13,119	\$428,338	0.64
San Francisco-Oakland-Hayward, CA	126,634	\$47,296	\$373,485	0.64
Baton Rouge, LA	29,580	\$10,539	\$356,288	0.87
Fairbanks, AK	640	\$218	\$340,803	0.18
Corpus Christi, TX	9,361	\$2,997	\$320,170	0.56
Portland-Vancouver-Hillsboro, OR-WA	122,930	\$39,027	\$317,474	1.26
Vallejo-Fairfield, CA	12,001	\$3,776	\$314,649	1.03
U.S. TOTAL/AVERAGE	12,368,906	\$3,979,700	\$321,750	1.00

^{*}Note: metro level productivity figures are generally lower than national averages, since the value of all goods produced cannot be traced to specific locations.

Source: US Bureau of Labor Statistics, US Bureau of Economic Analysis, Garner Economics

The 10 most productive areas for manufacturing includes regions with a broad range of sizes located in multiple parts of the country. This list includes major metropolises such as San Francisco-Oakland and Portland and small cities like Fairbanks, AK, which has just 640 manufacturing employees. Interestingly, most of the top 10 most productive metro areas do not have high concentrations of manufacturing employment; six of them have a location quotient (LQ)¹ of less than 1.00, and none has a higher LQ than 1.26.

Worker productivity tends to be very low among metro areas with the highest concentrations of manufacturing employment. Among the 10 areas with the highest LQs for manufacturing employment, nine rank outside of the top 100 in terms of productivity (out of 344 metro areas ranked), and three rank in the bottom 50. Elkhart-Goshen, IN, the area with the highest concentration of manufacturing employment in the U.S., has the third lowest level of worker productivity, with the average manufacturing worker only accounting for \$54,162 of GRP. All 10 of these areas are smaller regions, and all are located either in the upper Midwest (Indiana, Wisconsin) or the Southeast (Georgia, North Carolina, Tennessee, Alabama). Many of these regions produce heavy durable goods such as automobiles, furniture, and carpeting that, even with greater automation, are still more labor intensive than other types of goods.

The 10 metro areas with the highest concentrations of manufacturing employment are displayed on the following table.

¹ Location quotient (LQ) measures the share of a given industry's employment in a metro area relative to the national share. A metro area with an identical share of manufacturing employment to the U.S. total has an LQ of 1.00.



10 US Metro Areas with Highest Concentrations of Manufacturing Jobs

Ranked by Location Quotient (LQ) for Manufacturing Employment

Metro Area	Location Quotient (LQ)	GRP (\$Millions, 2014)	Productivity per Worker*	Productivity Rank
Elkhart-Goshen, IN	5.52	3,290	\$54,162	342
Columbus, IN	4.43	1,602	\$81,309	312
Dalton, GA	4.02	2,417	\$106,646	197
Sheboygan, WI	3.93	2,442	\$116,719	154
Kokomo, IN	3.48	845	\$70,381	331
Hickory-Lenoir-Morganton, NC	3.12	3,460	\$86,668	286
Morristown, TN	2.84	966	\$89,188	279
Oshkosh-Neenah, WI	2.83	2,393	\$105,580	202
Racine, WI	2.81	2,245	\$122,079	133
Decatur, AL	2.66	2,098	\$175,008	51
U.S. TOTAL/AVERAGE	1.00	\$3,979,700	\$321,750	

^{*}Note: metro level productivity figures are generally lower than national averages, since the value of all goods produced cannot be traced to specific locations.

Source: US Bureau of Labor Statistics, US Bureau of Economic Analysis, Garner Economics

A full listing of manufacturing employment, productivity, and related data for all U.S. metro areas is provided beginning on the next page. Complete information is provided for 344 of the 381 metro areas – for the remaining areas, some or all data was suppressed by BLS or BEA in order to protect proprietary information related to certain large manufacturing companies.

We encourage economic development professionals to take a close look at this information to understand how your area stacks up against other regions in terms of productivity, as companies and site selectors will certainly be looking at this information when making their locational decisions.



All U.S. Metro Areas: The Manufacturing Industry

NA = not available from the US Bureau of Labor Statistics

*2014 GRP data were suppressed for these MSAs; 2013 data are used here instead.

Metropolitan Statistical Area	Employment,	GRP, 2014	Productivity	Productivity	Location
Wetropolitan Statistical Area	3Q 2015	(\$Millions)	(GRP/Job)	Rank	Quotient
Abilene, TX	2,905	\$281	\$96,719	254	0.50
Akron, OH	39,784	\$4,358	\$109,542	183	1.41
Albany, GA	NA	NA	NA	NA	NA
Albany, OR	7,422	\$865	\$116,545	157	1.90
Albany-Schenectady-Troy, NY	25,749	\$3,897	\$151,346	77	0.67
Albuquerque, NM	16,465	\$3,261	\$198,060	39	0.51
Alexandria, LA	5,091	\$745	\$146,327	85	0.93
Allentown-Bethlehem-Easton, PA-NJ	36,281	\$4,664	\$128,552	121	1.19
Altoona, PA	7,600	\$745	\$98,022	246	1.46
Amarillo, TX*	12,651	\$1,719	\$135,879	103	1.26
Ames, IA	4,438	\$1,029	\$231,879	25	1.09
Anchorage, AK	2,855	\$224	\$78,468	320	0.16
Ann Arbor, MI	14,357	\$1,702	\$118,551	148	0.81
Anniston-Oxford-Jacksonville, AL	5,960	\$570	\$95,638	259	1.57
Appleton, WI	24,178	\$2,422	\$100,172	234	2.28
Asheville, NC	19,833	\$2,444	\$123,229	130	1.24
Athens-Clarke County, GA	6,663	\$1,147	\$172,153	54	0.92
Atlanta-Sandy Springs-Roswell, GA	156,399	\$22,171	\$141,759	92	0.73
Atlantic City-Hammonton, NJ	2,125	\$254	\$119,511	143	0.19
Auburn-Opelika, AL	6,694	\$494	\$73,794	327	1.37
Augusta-Richmond County, GA-SC	20,419	\$2,705	\$132,477	110	1.09
Austin-Round Rock, TX	57,889	\$10,273	\$177,460	48	0.70
Bakersfield, CA	14,338	\$2,970	\$207,142	36	0.51
Baltimore-Columbia-Towson, MD	53,897	\$10,529	\$195,355	41	0.47
Bangor, ME	3,012	\$422	\$140,106	95	0.49
Barnstable Town, MA	2,396	\$232	\$96,815	253	0.26
Baton Rouge, LA	29,580	\$10,539	\$356,288	6	0.87
Battle Creek, MI	11,803	\$1,354	\$114,717	165	2.36
Bay City, MI	4,126	\$431	\$104,451	208	1.39
Beaumont-Port Arthur, TX	23,400	\$7,214	\$308,295	11	1.65
Beckley, WV	1,235	\$122	\$98,759	243	0.31
Bellingham, WA	9,290	\$1,947	\$209,573	34	1.25
Bend-Redmond, OR	5,044	\$454	\$90,014	275	0.78
Billings, MT	NA	NA	NA	NA	NA
Binghamton, NY	11,536	\$1,720	\$149,103	81	1.31
Birmingham-Hoover, AL	37,818	\$4,096	\$108,308	189	0.89
Bismarck, ND	NA	\$382	NA	NA	NA
Blacksburg-Christiansburg-Radford, VA	11,979	\$1,305	\$108,941	186	1.94
Bloomington, IN	8,731	\$1,546	\$177,077	49	1.48
Bloomington-Normal, IL	4,716	\$433	\$91,822	271	0.59
Bloomsburg-Berwick, PA	5,693	\$502	\$88,173	283	1.59
Boise City, ID	25,108	\$3,538	\$140,909	94	0.99



Metropolitan Statistical Area	Employment,	GRP, 2014	Productivity	Productivity	Location
	3Q 2015	(\$Millions)	(GRP/Job)	Rank	Quotient
Boston-Cambridge-Newton, MA-NH	NA	\$30,234	NA	NA	NA
Boulder, CO	17,723	\$3,058	\$172,547	53	1.15
Bowling Green, KY	NA	NA	NA	NA	NA
Bremerton-Silverdale, WA	2,307	\$207	\$89,727	276	0.31
Bridgeport-Stamford-Norwalk, CT	34,033	\$8,611	\$253,022	19	0.91
Brownsville-Harlingen, TX	6,026	\$647	\$107,362	193	0.51
Brunswick, GA	NA	\$405	NA	NA	NA
Buffalo-Cheektowaga-Niagara Falls, NY	51,842	\$7,447	\$143,648	89	1.09
Burlington, NC	8,993	\$925	\$102,854	220	1.75
Burlington-South Burlington, VT*	12,885	\$1,401	\$108,731	188	1.20
California-Lexington Park, MD	371	\$63	\$169,811	56	0.10
Canton-Massillon, OH	28,215	\$2,608	\$92,432	269	1.93
Cape Coral-Fort Myers, FL	5,378	\$524	\$97,428	250	0.26
Cape Girardeau, MO-IL	4,211	\$508	\$120,646	136	1.10
Carbondale-Marion, IL	3,718	\$220	\$59,172	338	0.82
Carson City, NV	2,591	\$249	\$96,102	257	1.06
Casper, WY	1,631	\$204	\$125,077	127	0.44
Cedar Rapids, IA	20,288	\$2,753	\$135,694	104	1.62
Chambersburg-Waynesboro, PA	9,505	\$799	\$84,064	299	1.82
Champaign-Urbana, IL	8,133	\$833	\$102,418	221	0.94
Charleston, WV	3,501	\$943	\$269,326	15	0.36
Charleston-North Charleston, SC	25,683	\$3,070	\$119,533	142	0.93
Charlotte-Concord-Gastonia, NC-SC	105,151	\$16,737	\$159,172	66	1.10
Charlottesville, VA	4,044	\$534	\$132,047	111	0.42
Chattanooga, TN-GA	32,174	\$3,367	\$104,650	204	1.55
Cheyenne, WY	1,348	\$327	\$242,642	22	0.33
Chicago-Naperville-Elgin, IL-IN-WI	411,779	\$62,528	\$151,848	75	1.06
Chico, CA	4,184	\$350	\$83,652	302	0.59
Cincinnati, OH-KY-IN*	113,699	\$18,128	\$159,439	65	1.27
Clarksville, TN-KY	10,268	\$913	\$88,914	280	1.36
Cleveland, TN	9,643	\$1,036	\$107,432	192	2.52
Cleveland-Elyria, OH	124,106	\$14,956	\$120,510	137	1.41
Coeur d'Alene, ID	4,832	\$391	\$80,924	315	0.96
College Station-Bryan, TX	5,511	\$530	\$96,171	256	0.58
Colorado Springs, CO	NA	NA	NA	NA	NA
Columbia, MO	4,032	\$340	\$84,325	296	0.50
Columbia, SC	31,076	\$3,380	\$108,767	187	0.97
Columbus, GA-AL	10,225	NA	NA	NA NA	1.01
Columbus, IN	19,703	\$1,602	\$81,309	312	4.43
Columbus, OH	71,825	\$8,400	\$116,950	152	0.83
Corpus Christi, TX	9,361	\$2,997	\$320,170	8	0.56
Corvallis, OR	2,918	\$2,503	\$857,877	1	0.90
Crestview-Fort Walton Beach-Destin, FL	3,476	\$583	\$167,738	58	0.38
Cumberland, MD-WV	4,309	\$444	\$107,738	218	1.33
Dallas-Fort Worth-Arlington, TX	262,719	\$46,467	\$105,040	50	0.90
Dalton, GA	22,664	\$2,417	\$176,876	197	4.02
·	·	\$2,417	\$106,646		
Danville, IL	5,263			140	2.10
Daphne-Fairhope-Foley, AL	4,086	\$343	\$83,938	301	0.68



Metropolitan Statistical Area	Employment,	GRP, 2014	Productivity	Productivity	Location
Metropolitari Statistical Area	3Q 2015	(\$Millions)	(GRP/Job)	Rank	Quotient
Davenport-Moline-Rock Island, IA-IL	23,636	\$2,955	\$125,021	128	1.47
Dayton, OH	40,045	\$3,975	\$99,264	240	1.26
Decatur, AL	11,988	\$2,098	\$175,008	51	2.66
Decatur, IL	10,151	\$1,865	\$183,732	45	2.32
Deltona-Daytona Beach-Ormond Beach, FL	10,814	\$763	\$70,557	330	0.68
Denver-Aurora-Lakewood, CO*	68,714	\$10,450	\$152,080	74	0.56
Des Moines-West Des Moines, IA	20,272	\$2,210	\$109,019	185	0.66
Detroit-Warren-Dearborn, MI	236,236	\$22,561	\$95,502	260	1.46
Dothan, AL	4,355	\$455	\$104,478	207	0.91
Dover, DE	4,791	NA	NA	NA	0.83
Dubuque, IA	9,406	\$944	\$100,358	232	1.80
Duluth, MN-WI	7,394	\$743	\$100,487	230	0.65
Durham-Chapel Hill, NC	29,242	\$15,361	\$525,300	2	1.17
East Stroudsburg, PA	4,903	\$1,377	\$280,829	14	1.02
Eau Claire, WI	10,643	\$1,003	\$94,243	263	1.47
El Centro, CA	1,162	\$243	\$209,122	35	0.19
El Paso, TX	NA	NA	NA	NA NA	NA
Elizabethtown-Fort Knox, KY	7,863	\$498	\$63,332	334	1.67
Elkhart-Goshen, IN	60,744	\$3,290	\$54,162	342	5.52
Elmira, NY	5,367	\$559	\$104,149	211	1.65
Erie, PA	22,421	\$2,273	\$104,149	223	2.01
	13,298	\$1,347	\$101,380	224	1.03
Eugene, OR	•				
Evansville, IN-KY	22,827	\$5,114	\$224,030	28	1.72
Fairbanks, AK	640	\$218	\$340,803	7	0.18
Fargo, ND-MN	9,880	\$858	\$86,845	285	0.83
Farmington, NM	1,163	\$229	\$196,848	40	0.26
Fayetteville, NC	7,799	\$1,665	\$213,480	31	0.71
Fayetteville-Springdale-Rogers, AR-MO	27,134	\$2,250	\$82,921	304	1.38
Flagstaff, AZ	4,385	\$485	\$110,604	179	0.80
Flint, MI	11,937	\$1,121	\$93,910	267	1.03
Florence, SC	9,410	\$1,627	\$172,901	52	1.30
Florence-Muscle Shoals, AL	9,551	\$671	\$70,254	332	2.07
Fond du Lac, WI	10,813	\$934	\$86,378	287	2.61
Fort Collins, CO	13,123	\$1,672	\$127,407	123	1.00
Fort Smith, AR-OK	17,713	\$1,752	\$98,912	241	1.88
Fort Wayne, IN	35,209	\$3,220	\$91,455	274	1.93
Fresno, CA	27,128	\$3,029	\$111,654	176	0.83
Gadsden, AL	5,475	\$434	\$79,269	319	1.75
Gainesville, FL	4,435	\$434	\$97,865	248	0.40
Gainesville, GA	18,704	\$1,893	\$101,206	225	2.64
Gettysburg, PA	6,762	\$668	\$98,787	242	2.23
Glens Falls, NY	6,027	\$625	\$103,706	214	1.23
Goldsboro, NC	5,870	\$1,045	\$178,024	47	1.54
Grand Forks, ND-MN	3,777	\$360	\$95,314	261	0.82
Grand Island, NE	7,929	\$831	\$104,801	203	2.12
Grand Junction, CO	2,942	\$249	\$84,646	292	0.55
Grand Rapids-Wyoming, MI	109,431	\$8,926	\$81,567	311	2.37
Grants Pass, OR	2,963	\$287	\$96,872	252	1.35



Metropolitan Statistical Area	Employment,	GRP, 2014	Productivity	Productivity	Location
ivieti opolitari Statisticai Area	3Q 2015	(\$Millions)	(GRP/Job)	Rank	Quotient
Great Falls, MT	1,287	\$104	\$80,808	316	0.41
Greeley, CO	12,590	\$1,259	\$99,997	235	1.42
Green Bay, WI	29,977	\$2,775	\$92,570	268	2.01
Greensboro-High Point, NC	54,991	\$8,783	\$159,718	63	1.80
Greenville, NC	6,056	\$1,469	\$242,569	23	0.93
Greenville-Anderson-Mauldin, SC	55,313	\$5,850	\$105,762	199	1.67
Gulfport-Biloxi-Pascagoula, MS*	18,579	\$2,815	\$151,518	76	1.47
Hagerstown-Martinsburg, MD-WV	7,954	\$962	\$120,940	135	0.91
Hammond, LA	2,564	\$413	\$161,097	61	0.69
Hanford-Corcoran, CA	5,824	\$575	\$98,735	244	1.37
Harrisburg-Carlisle, PA	21,530	\$2,505	\$116,347	159	0.77
Harrisonburg, VA	9,807	\$2,625	\$267,666	16	1.81
Hartford-West Hartford-East Hartford, CT	63,887	\$9,341	\$146,211	86	1.18
Hattiesburg, MS	3,980	\$415	\$104,280	210	0.78
Hickory-Lenoir-Morganton, NC	39,922	\$3,460	\$86,668	286	3.12
Hilton Head Island-Bluffton-Beaufort, SC	1,003	\$101	\$100,698	228	0.16
Hinesville, GA	NA	NA	NA	NA	NA
Homosassa Springs, FL	424	\$39	\$92,054	270	0.15
Hot Springs, AR	2,515	\$137	\$54,473	341	0.79
Houma-Thibodaux, LA	9,184	\$1,346	\$146,554	84	1.09
Houston-The Woodlands-Sugar Land, TX	241,985	\$56,059	\$231,663	26	0.95
Huntington-Ashland, WV-KY-OH	NA	\$2,168	NA	NA	NA
Huntsville, AL	23,524	\$3,048	\$129,572	116	1.28
Idaho Falls, ID	NA	\$234	NA	NA	NA
Indianapolis-Carmel-Anderson, IN	90,856	\$25,964	\$285,771	13	1.06
Iowa City, IA	6,012	\$513	\$85,334	289	0.78
Ithaca, NY	3,409	\$312	\$91,513	273	0.75
Jackson, MI	9,723	\$784	\$80,636	317	1.95
Jackson, MS	18,811	\$1,679	\$89,255	278	0.85
Jackson, TN	10,056	\$1,205	\$119,829	141	1.79
Jacksonville, FL	NA	\$3,809	NA	NA	NA
Jacksonville, NC	937	\$99	\$105,694	200	0.22
Janesville-Beloit, WI	9,731	\$835	\$85,805	288	1.70
Jefferson City, MO	5,575	\$544	\$97,573	249	0.85
Johnson City, TN	7,543	\$1,113	\$147,548	83	1.12
Johnstown, PA	3,979	\$416	\$104,558	205	0.84
Jonesboro, AR	6,588	\$555	\$84,240	297	1.42
Joplin, MO	13,032	\$1,376	\$105,589	201	1.90
Kahului-Wailuku-Lahaina, HI	1,218	\$76	\$62,380	336	0.19
Kalamazoo-Portage, MI	20,534	\$2,502	\$121,845	134	1.70
Kankakee, IL	5,775	\$668	\$115,664	162	1.48
Kansas City, MO-KS	74,258	\$8,928	\$120,229	138	0.85
Kennewick-Richland, WA	8,682	\$866	\$99,743	237	0.81
Killeen-Temple, TX	7,440	\$751	\$100,945	227	0.61
Kingsport-Bristol-Bristol, TN-VA	21,436	\$2,937	\$137,010	102	2.10
Kingston, NY	3,303	\$386	\$116,852	153	0.63
Knoxville, TN	35,852	\$4,635	\$129,281	117	1.10
Kokomo, IN	12,006	\$845	\$70,381	331	3.48



Metropolitan Statistical Area	Employment,	GRP, 2014	Productivity	Productivity	Location
ivieti opolitari Statisticai Area	3Q 2015	(\$Millions)	(GRP/Job)	Rank	Quotient
La Crosse-Onalaska, WI-MN	8,363	\$824	\$98,529	245	1.30
Lafayette, LA	17,474	\$1,984	\$113,542	168	0.94
Lafayette-West Lafayette, IN	NA	\$2,020	NA	NA	NA
Lake Charles, LA	10,310	\$4,990	\$483,980	3	1.19
Lake Havasu City-Kingman, AZ	2,939	\$250	\$85,063	290	0.71
Lakeland-Winter Haven, FL	16,399	\$1,870	\$114,031	166	0.92
Lancaster, PA	36,596	\$3,954	\$108,046	191	1.80
Lansing-East Lansing, MI	19,650	\$1,636	\$83,258	303	1.10
Laredo, TX	721	\$69	\$95,700	258	0.08
Las Cruces, NM	2,239	\$343	\$153,216	70	0.36
Las Vegas-Henderson-Paradise, NV	21,585	\$2,913	\$134,955	107	0.27
Lawrence, KS	3,747	\$374	\$99,813	236	0.87
Lawton, OK	NA	NA	NA	NA	NA
Lebanon, PA	8,663	\$897	\$103,540	215	2.01
Lewiston, ID-WA	4,211	\$244	\$57,943	340	1.78
Lewiston-Auburn, ME	5,177	\$514	\$99,279	239	1.19
Lexington-Fayette, KY	30,673	\$3,452	\$112,543	171	1.32
Lima, OH	8,840	\$1,827	\$206,666	37	2.01
Lincoln, NE	13,942	\$1,492	\$107,017	196	0.92
Little Rock-North Little Rock-Conway, AR	NA	\$2,223	NA	NA	NA
Logan, UT-ID	11,320	\$920	\$81,272	313	2.28
Longview, TX	9,735	\$1,592	\$163,534	60	1.14
Longview, WA	6,459	\$731	\$113,170	169	1.92
Los Angeles-Long Beach-Anaheim, CA	514,163	\$78,496	\$152,668	73	1.01
Louisville-Jefferson County, KY-IN	NA	NA	NA	NA	NA
Lubbock, TX	NA	NA	NA	NA	NA
Lynchburg, VA	14,401	\$2,287	\$158,805	67	1.65
Macon, GA	NA	NA NA	NA	NA	NA
Madera, CA	3,605	\$296	\$82,116	307	0.86
Madison, WI	34,165	\$3,546	\$103,791	212	1.04
Manchester-Nashua, NH	24,869	\$2,965	\$119,225	145	1.42
Manhattan, KS	3,112	\$191	\$61,382	337	0.92
Mankato-North Mankato, MN	7,683	\$561	\$73,022	328	1.63
Mansfield, OH	9,714	\$725	\$74,632	326	2.17
McAllen-Edinburg-Mission, TX	6,467	\$489	\$75,619	325	0.30
Medford, OR	7,612	\$538	\$70,681	329	1.02
Memphis, TN-MS-AR	45,369	\$7,721	\$170,184	55	0.86
Merced, CA	11,409	\$873	\$76,516	323	1.61
Miami-Fort Lauderdale-West Palm Beach, FL	83,426	\$9,322	\$111,739	175	0.40
Michigan City-La Porte, IN	7,696	\$897	\$116,559	156	2.13
Midland, MI	6,464	\$1,093	\$169,090	57	1.96
Midland, TX	NA NA	NA NA	NA NA	NA NA	NA
Milwaukee-Waukesha-West Allis, WI	120,957	\$12,977	\$107,286	194	1.67
Minneapolis-St. Paul-Bloomington, MN-WI	196,050	\$24,155	\$123,208	131	1.20
Missoula, MT	2,065	\$194	\$93,962	265	0.40
Mobile, AL	19,683	\$2,267	\$115,177	163	1.35
Modesto, CA	23,791	\$2,643	\$111,091	177	1.45
Monroe, LA	NA	92,043 NA	NA	NA	NA
WOHIDE, LA	INA	INA	INA	INA	INA



Metropolitan Statistical Area	Employment,	GRP, 2014	Productivity	Productivity	Location
Metropolitan Statistical Area	3Q 2015	(\$Millions)	(GRP/Job)	Rank	Quotient
Monroe, MI	5,492	\$529	\$96,322	255	1.48
Montgomery, AL	18,711	\$1,580	\$84,444	294	1.32
Morgantown, WV	4,649	\$879	\$189,086	42	0.84
Morristown, TN	10,831	\$966	\$89,188	279	2.84
Mount Vernon-Anacortes, WA	5,908	\$1,555	\$263,202	18	1.33
Muncie, IN	4,343	\$345	\$79,444	318	1.09
Muskegon, MI	13,770	\$1,072	\$77,849	321	2.50
Myrtle Beach-Conway-North Myrtle Beach, SC-NC	4,424	\$479	\$108,265	190	0.33
Napa, CA	12,748	\$1,765	\$138,457	98	1.92
Naples-Immokalee-Marco Island, FL	3,398	\$278	\$81,805	310	0.30
Nashville-DavidsonMurfreesboroFranklin, TN	78,343	\$8,922	\$113,883	167	1.02
New Bern, NC	3,782	\$438	\$115,802	161	0.99
New Haven-Milford, CT	30,433	\$5,067	\$166,495	59	0.95
New Orleans-Metairie, LA	30,628	\$13,119	\$428,338	4	0.64
New York-Newark-Jersey City, NY-NJ-PA	NA	NA	NA	NA	NA
Niles-Benton Harbor, MI	13,066	\$1,465	\$112,123	174	2.37
North Port-Sarasota-Bradenton, FL	16,210	\$1,436	\$88,587	282	0.69
Norwich-New London, CT	15,304	\$3,238	\$211,574	32	1.42
Ocala, FL	7,598	\$578	\$76,069	324	0.90
Ocean City, NJ	1,155	\$59	\$51,082	344	0.24
Odessa, TX	5,003	\$470	\$93,950	266	0.77
Ogden-Clearfield, UT	31,174	\$4,217	\$135,272	106	1.48
Oklahoma City, OK	37,366	\$4,003	\$107,129	195	0.70
Olympia-Tumwater, WA	3,331	\$296	\$88,853	281	0.35
Omaha-Council Bluffs, NE-IA	32,664	\$3,618	\$110,763	178	0.79
Orlando-Kissimmee-Sanford, FL	40,785	\$4,508	\$110,530	180	0.42
Oshkosh-Neenah, WI	22,665	\$2,393	\$105,580	202	2.83
Owensboro, KY	8,306	\$1,104	\$132,921	109	1.82
Oxnard-Thousand Oaks-Ventura, CA	30,373	\$7,666	\$252,392	20	1.11
Palm Bay-Melbourne-Titusville, FL	21,002	\$3,293	\$156,797	68	1.24
Panama City, FL	3,575	\$361	\$100,979	226	0.51
Parkersburg-Vienna, WV	NA	NA	NA	NA	NA
Pensacola-Ferry Pass-Brent, FL	6,043	\$624	\$103,254	217	0.43
Peoria, IL	24,484	\$4,966	\$202,829	38	1.60
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	180,677	NA	NA	NA	0.76
Phoenix-Mesa-Scottsdale, AZ	119,497	\$15,069	\$126,104	124	0.72
Pine Bluff, AR	5,360	\$588	\$109,708	181	1.88
Pittsburgh, PA	88,041	\$11,531	\$130,973	113	0.90
Pittsfield, MA	4,717	\$721	\$152,851	71	0.87
Pocatello, ID	1,825	\$273	\$149,589	79	0.65
Port St. Lucie, FL	6,154	\$504	\$81,894	309	0.53
Portland-South Portland, ME	NA	\$2,543	NA	NA	NA
Portland-Vancouver-Hillsboro, OR-WA	122,930	\$39,027	\$317,474	9	1.26
Prescott, AZ	3,372	\$218	\$64,644	333	0.63
Providence-Warwick, RI-MA	NA	\$6,745	NA	NA	NA
Provo-Orem, UT	18,255	\$2,294	\$125,664	125	0.96
Pueblo, CO	4,479	\$527	\$117,651	150	0.86
Punta Gorda, FL	812	\$42	\$51,745	343	0.21



Racine, W	Employ tical Area			ivity Location
Raleigh, NC Rapid City, SD Reading, PA 30,841 \$3,083 \$100,287 233 Redding, CA 2,343 \$210 \$89,629 277 Reno, NV 13,032 \$1,694 \$12,991 115 Richmond, VA NA NA NA NA Riverside-San Bemardine-Ontario, CA 94,999 \$9,646 \$101,538 222 Randok, VA Rochester, MN Rochester, MN 11,223 \$1,007 \$1,003 \$	3Q 2	(\$Millions)	s) (GRP/Job) Rank	c Quotient
Rapid City, 5D 2,894 \$223 \$77,047 322 Reading, PA 30,841 \$3,093 \$100,287 233 Reading, CA 2,343 \$210 \$89,629 277 Reno, NV 13,032 \$1,694 \$129,991 115 Richmond, VA NA NA NA NA Riverside-San Bernardino-Ontario, CA 94,999 \$9,646 \$101,538 222 Roanoke, VA 15,532 NA NA NA Rochester, MN 11,223 \$1,207 \$116,461 158 Rockford, IL 31,905 \$3,302 \$103,495 216 Rockford, IL 31,905 \$3,302 \$103,495 216 Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rome, GA \$5,984 \$718 \$119,987 139 Sacramento-Roseville-Arden-Arcade, CA 36,759 \$4,985 \$135,612 105 Salimaw, M 12,197 \$1,147 \$94,040 264 Sal	18,3	\$2,245	\$122,079 133	2.81
Reading, PA 30,841 \$3,093 \$100,287 233 Redding, CA 2,343 \$210 \$89,629 277 Redding, CA 2,343 \$210 \$89,629 277 Richmond, VA NA NA NA NA NA NA NA NA NA	34,1	\$7,215	\$211,573 33	0.68
Redding, CA 2,343 \$210 \$88,629 277 Reno, NV 13,032 \$1,694 \$120,991 115 Richmond, VA NA NA NA NA NA NA Riverside San Bernardino-Ontario, CA 94,999 \$9,646 \$101,538 222 Roanoke, VA 15,532 NA NA NA NA NA NA Rochester, MN 11,223 \$1,307 \$116,461 158 Rockelster, NY \$92,776 \$10,613 \$179,044 46 Rockford, IL 31,905 \$3,302 \$103,495 216 Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rockey Mount, NC 10,338 \$2,751 \$266,097 17 Rockey Mount, NC 10,338 \$2,751 \$266,097 17 Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rocky Mount, NC 10,338 \$2,751 \$346,095 \$34,985 \$133,5612 105 \$3aginaw, MI 12,197 \$1,147 \$94,040 264 \$3alinas, CA \$5,616 \$821 \$146,189 \$87 \$3alisbury, MD-DE 14,002 \$2,156 \$153,978 69 \$3alt Lake City, UT \$4,735 \$5,7633 \$139,453 96 \$3an Angelo, TX NA \$3an Angelo, TX San Diego-Carlsbad, CA 105,126 \$315,676 \$149,117 80 \$3anta Fe, NM \$83 \$72 \$84,082 \$95 \$3anta Fe, NM \$83 \$72 \$84,083 \$95 \$3anta Fe, NM \$83 \$72 \$84,083 \$95 \$3anta Fe, NM \$83 \$72 \$84,083 \$91 \$3anta Fe, NM \$84 \$71 \$34,045 \$91 \$3anta Fe, NM \$83 \$72 \$84,083 \$94 \$3anta Fe, NM \$83 \$72 \$84,083 \$94 \$3anta Fe, NM \$84 \$71 \$94 \$95 \$96 \$96 \$97 \$97 \$98 \$98 \$98 \$98 \$98 \$98	2,8	\$223	\$77,047 322	0.49
Reno, NV 13,032 \$1,694 \$129,991 115 Richmond, VA NA	30,8	\$3,093	\$100,287 233	2.04
Richmond, VA NA NA NA NA NA NA NA NA NA	2,3	\$210	\$89,629 277	0.41
Riverside-San Bernardino-Ontario, CA 94,999 \$9,646 \$101,538 222 Roanoke, VA 15,532 NA NA NA NA NA NA NA NA NA Rochester, MN 11,223 \$1,307 \$116,461 \$158 Rochester, MN \$11,223 \$1,307 \$110,6461 \$158 Rochester, NY \$59,276 \$10,613 \$1179,044 46 Rocklord, IL 31,905 \$3,302 \$103,495 216 Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rome, GA \$5,984 \$718 \$119,987 139 Sacramento-Roseville-Arden-Arcade, CA 36,759 \$4,985 \$1135,612 105 Saginaw, MI 12,197 \$1,147 \$94,040 264 Salem, OR 14,546 \$1,222 \$84,011 300 \$261 Salinas, CA \$5,616 \$821 \$146,189 87 Salikbury, MD-DE 14,002 \$2,156 \$153,978 69 Salt Lake City, UT \$4,735 \$7,633 \$139,453 96 San Angelo, TX NA \$5395 NA NA NA San Antonio-New Braunfels, TX \$45,510 \$53,877 \$118,370 \$149 San Diego-Carlsbad, CA \$105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA \$26,634 \$47,296 \$327,448 \$230,130 \$27 San Luis Obispo-Paso Robles-Arroyo Grande, CA \$7,095 \$8343 \$117,548 \$151 \$5anta Gruz-Watsonville, CA \$22,556 \$24,885 \$118,315 \$136 \$22 \$34,408 \$29 \$35anta Barbara, CA \$13,150 \$14,841 \$20,100 \$21,175 \$24,200 \$114,923 \$164 \$25 Seathe Area-Mayborn, MB, San Sanda Barbara, CA \$17,577 \$2,020 \$114,923 \$164 \$25 Seathe Area-Mayborn, MB, San Sanda Barbara, CA \$17,577 \$2,020 \$114,923 \$164 \$25 Seathe Area-Mayborn, MB, Sanda San	13,0	\$1,694	\$129,991 115	0.71
Roanoke, VA 15,532 NA NA NA Rochester, MN 11,223 \$1,307 \$116,461 158 Rochester, MN 11,223 \$1,307 \$116,461 158 Rockester, MV \$9,276 \$10,613 \$179,044 46 Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rome, GA \$5,984 \$718 \$119,987 139 Sagrinaw, MI \$12,197 \$1,147 \$94,040 264 Salman, CR \$14,546 \$1,222 \$84,011 300 Salman, CA \$5,616 \$821 \$146,189 87 Sallisbury, ND-E \$14,002 \$2,156 \$153,978 69 Salt Lake City, UT \$4,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Liso Oblisho, Paso Robles, TX \$45,510 \$5,387 \$118,370 149 San Liso Oblispo, Paso Robles, Arroyo Grande, CA \$105,126 \$15,676 \$149,117 80	NA	NA	NA NA	NA
Rochester, MN 11,223 \$1,307 \$116,461 158 Rochester, NY 59,276 \$10,613 \$179,044 46 Rockford, IL 31,905 \$3,302 \$103,495 216 Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rome, GA 5,984 \$718 \$119,987 139 SacramentoRosevilleArden-Arcade, CA 36,759 \$4,985 \$135,612 105 Saginaw, MI 12,197 \$1,147 \$94,040 264 Salem, OR 14,546 \$1,222 \$84,011 300 Salishury, MD-DE 14,002 \$2,156 \$153,978 69 Salt Lake City, UT \$47,335 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Dispo-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Dispo-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 <td>-Ontario, CA 94,9</td> <td>\$9,646</td> <td>\$101,538 222</td> <td>0.80</td>	-Ontario, CA 94,9	\$9,646	\$101,538 222	0.80
Rochester, NY 59,276 \$10,613 \$179,044 46 Rockord, IL 31,905 \$3,302 \$103,495 216 Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rome, GA 5,984 \$718 \$119,987 139 SacramentoRosevilleArden-Arcade, CA 36,759 \$4,985 \$135,612 105 Saginaw, MI 12,197 \$1,147 \$94,040 264 Salem, OR 14,546 \$1,222 \$84,011 300 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salt Lake City, UT \$4,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Lius Obispo-Baso Robles-Arroyo Grande, CA 105,126 \$15,676 \$149,117 80 Santa Cruz-Watsonville, CA 16,651 \$669	15,5	NA	NA NA	1.16
Rockford, IL 31,905 \$3,302 \$103,495 216 Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rome, GA 5,984 \$718 \$119,987 139 Sacaramento-RosevilleArden-Arcade, CA 36,759 \$4,985 \$135,612 105 Saginaw, MI 12,197 \$1,147 \$94,040 264 Sallenas, CA \$1,616 \$821 \$146,189 87 Salibury, MD-DE 14,002 \$2,156 \$153,978 69 Salt Lake City, UT \$4,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Angelo, TX NA \$395 NA NA San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 5 San Lus Obliso-Paso Robles-Arroyo Grande, CA 7,095 \$834 \$117,548 151 Santa Cruz-Watsonville, CA 6,651 \$669 <td< td=""><td>11,2</td><td>\$1,307</td><td>\$116,461 158</td><td>1.12</td></td<>	11,2	\$1,307	\$116,461 158	1.12
Rocky Mount, NC 10,338 \$2,751 \$266,097 17 Rome, GA 5,984 \$718 \$119,987 139 Sacramento-Roseville-Arden-Arcade, CA 36,759 \$4,985 \$115,612 105 Saginaw, MI 12,197 \$1,147 \$94,040 264 Salem, OR 14,546 \$1,222 \$84,011 300 Salisbury, MD-DE 14,002 \$2,156 \$133,978 69 Salt Lake City, UT \$4,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Angelo, TX 45,510 \$5,387 \$118,370 149 San Angelo, TX 45,510 \$5,387 \$118,370 149 San Irancisco-Oakland-Hayward, CA 105,126 \$15,676 \$149,117 80 San	59,2	\$10,613	\$179,044 46	1.33
Rome, GA 5,984 \$718 \$119,987 139 Sacramento-Roseville-Arden-Arcade, CA 36,759 \$4,985 \$135,612 105 Saginaw, MI 12,197 \$1,147 \$94,040 264 Saginaw, MI 12,197 \$1,147 \$94,040 264 Saliman, CR 14,546 \$1,222 \$84,011 300 Salinas, CA 5,616 \$821 \$146,189 87 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salit Lake City, UT \$4,735 \$7,633 \$139,453 96 Salit Lake City, UT \$4,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Antonio-New Braunfels, TX \$4,510 \$5,387 \$118,370 149 San Angelo, TX \$105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 5 San Jose-Sunnyvale-Santa Clara, CA 162,725 \$37,448 \$230,130 27 San Luis Obispo-Paso Robles-Arroyo Grande, CA 7,095 \$834 \$117,548 151 Santa Ero, NM 853 \$72 \$84,408 295 Santa Fe, NM 853 \$72 \$84,408 295 Santa Maria-Santa Barbara, CA 13,150 \$1,881 \$143,045 91 Santa Rosa, CA 22,256 \$2,852 \$128,145 122 Savannah, GA 17,577 \$2,020 \$114,923 164 Scranton-Wilkes-Barre-Hazleton, PA 27,057 \$3,042 \$112,431 173 Sebastian-Vero Beach, FL 1,899 \$176 \$94,692 262 Sebring, FL 648 \$41 \$63,239 335 Sheboygan, WI 20,922 \$2,442 \$116,719 154 Sherman-Denison, TX \$485 \$776 \$141,477 93 Sherveport-Bossier City, LA NA NA NA NA NA NA NA South Bend-Mishawaka, IN-MI 17,596 \$2,246 \$133,870 100 Spartanbring, SC \$8,604 \$19,900 \$112,967 170 Springfield, NA 21,170 \$2,601 \$122,864 132	31,9	\$3,302	\$103,495 216	2.48
Rome, GA 5,984 \$718 \$119,987 139 Sacramento-RosevilleArden-Arcade, CA 36,759 \$4,985 \$135,612 105 Saginaw, MI 12,197 \$1,147 \$94,040 264 Saginaw, MI 12,197 \$1,147 \$94,040 264 Salimas, CA 5,616 \$821 \$146,189 87 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salit Lake City, UT \$4,735 \$7,633 \$139,453 96 Salit Lake City, UT \$4,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Antonio-New Braunfels, TX \$45,510 \$5,387 \$118,370 149 San Angelo, TX NA \$395 NA NA San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 5 San Jose-Sunnyvale-Santa Clara, CA 162,725 \$37,448 \$230,130 27 San Luis Obispo-Paso Robles-Arroyo Grande, CA 7,095 \$834 \$117,548 151 Santa Cruz-Watsonville, CA 6,651 \$669 \$100,586 229 Santa Brabara, CA 13,150 \$1,881 \$143,045 91 Santa Rosa, CA 22,256 \$2,852 \$128,145 122 Savannah, GA 17,577 \$2,020 \$114,923 164 Scranton-Wilkes-Barre-Hazleton, PA 27,057 \$3,042 \$112,431 173 Sestatle-Tacoma-Bellevue, WA 18,494 \$35,119 \$186,314 43 Sebastian-Vero Beach, FL 1,859 \$176 \$94,692 262 Sebring, FL 648 \$41 \$63,239 335 Sheboygan, WI 20,922 \$2,442 \$116,719 154 Sherman-Denison, TX 5,485 \$776 \$141,477 93 Sherveport-Bossier City, LA NA NA NA NA NA NA NA South Bend-Mishawaka, IN-MI 17,596 \$2,246 \$133,870 100 Spartanburg, SC 28,606 \$2,803 \$99,518 238 Spokane-Spokane Valley, WA 16,819 \$1,900 \$112,967 170 Springfield, IN 2,973 \$353 \$118,749 147 Springfield, MA 21,170 \$2,601 \$122,864 132	10,3		\$266,097 17	2.09
Sacramento-Roseville-Arden-Arcade, CA 36,759 \$4,985 \$135,612 105 Saginaw, MI 12,197 \$1,147 \$94,040 264 Salem, OR 14,546 \$1,222 \$84,011 300 Salinas, CA 5,616 \$821 \$146,189 87 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salt Lake City, UT 54,735 \$7,633 \$139,453 96 Salt Lake City, UT 54,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Antonio-New Braunfels, TX 45,510 \$5,387 \$118,370 149 San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 5 San Jose-Sunnyvale-Santa Clara, CA 162,725 \$37,448 \$230,130 27 San Luis Obispo-Paso Robles-Arroyo Grande, CA 7,095 \$834 \$117,548 151 Santa Francisco-Robland-Hayward, CA 13,150 \$1,881 \$143,045 91 Santa Rosa, CA 22,256 \$2,852 \$128,145 122 Savannah, GA 17,577 \$2,020 \$114,923 164 Scranton-Wilkes-Barre-Hazleton, PA 27,057 \$3,042 \$112,431 173 Seattle-Tacoma-Bellevue, WA 188,494 \$35,119 \$186,314 43 Sebastian-Vero Beach, FL 1,859 \$176 \$94,692 262 Sebring, FL 648 \$41 \$63,239 335 Sheboygan, WI 20,922 \$2,442 \$116,719 154 Sherman-Denison, TX \$485 \$776 \$141,477 93 Sherveport-Bossier City, LA NA \$4,000 NA NA NA Sioux Falls, SD NA	5,9	\$718	\$119,987 139	1.77
Saginaw, MI 12,197 \$1,147 \$94,040 264 Salem, OR 14,546 \$1,222 \$84,011 300 Salinas, CA 5,616 \$821 \$146,189 87 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salt Lake City, UT \$4,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Antonio-New Braunfels, TX 45,510 \$5,387 \$118,370 149 San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 5 San Luis Obispo-Paso Robles-Arroyo Grande, CA 162,725 \$37,448 \$230,130 27 Santa Fe, NM 853 \$72 \$84,408 295 Santa Fe, NM 853 \$72 \$84,408 295 Savannah, GA 17,577 \$2,020 \$114,923 164 Seatra Rosa, CA 22,256 \$2,852 \$128,145	rden-Arcade, CA 36.7	\$4,985		0.45
Salem, OR 14,546 \$1,222 \$84,011 300 Salinas, CA 5,616 \$821 \$146,189 87 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salib Lake City, UT 54,735 \$7,633 \$139,453 96 Salib Lake City, UT \$4,735 \$7,633 \$139,453 96 Salib Lake City, UT \$4,5510 \$5,387 \$118,370 149 San Antonio-New Braunfels, TX \$4,510 \$5,387 \$118,370 149 San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 5 San Jose-Sunnyvale-Santa Clara, CA 162,725 \$37,448 \$230,130 27 San Luis Obispo-Paso Robles-Arroyo Grande, CA 7,095 \$834 \$117,548 151 Santa Cruz-Watsonville, CA 6,651 \$669 \$100,586 229 Santa Fe, NM 853 \$72 \$84,408 295 Santa Gruz-Watsonville, CA 6,651 \$669 \$100,586 229 Santa Maria-Santa Barbara, CA 13,150 \$1,881 \$143,045 91 Santa Rosa, CA 22,256 \$2,852 \$128,145 122 Savannah, GA 17,577 \$2,020 \$114,923 164 Scranton-Wilkes-Barre-Hazleton, PA 27,057 \$3,042 \$112,431 173 Seattle-Tacoma-Bellevue, WA 188,494 \$35,1119 \$186,314 43 Sebastian-Vero Beach, FL 1,859 \$176 \$94,692 262 Sebring, FL 648 \$41 \$63,239 335 Sheboygan, WI 20,922 \$2,442 \$116,719 154 Sherram-Denison, TX 5,485 \$776 \$141,477 93 Sherram-Denison, TX 5,				1.64
Salinas, CA 5,616 \$821 \$146,189 87 Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salt Lake City, UT 54,735 \$7,633 \$139,453 96 San Antonio-New Braunfels, TX NA \$395 NA NA San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Diego-Carlsbad, CA 126,634 \$47,296 \$373,485 5 San Jose-Sunnyvale-Santa Clara, CA 162,725 \$37,448 \$230,130 27 San Luis Obispo-Paso Robles-Arroyo Grande, CA 7,095 \$834 \$117,548 151 Santa Gruz-Watsonville, CA 6,651 \$669 \$100,586 229 Santa Fe, NM 853 \$72 \$84,408 295 Santa Maria-Santa Barbara, CA 13,150 \$1,881 \$143,045 91 Santa Rosa, CA 22,256 \$2,882 \$128,145 122 Savannah, GA 17,577<				0.97
Salisbury, MD-DE 14,002 \$2,156 \$153,978 69 Salt Lake City, UT 54,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Angelo, TX 45,510 \$5,387 \$118,370 149 San Diego-Carlsbad, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 5 San Jose-Sunnyvale-Santa Clara, CA 162,725 \$37,448 \$230,130 27 San Luis Obispo-Paso Robles-Arroyo Grande, CA 7,095 \$834 \$117,548 151 Santa Gruz-Watsonville, CA 6,651 \$669 \$100,586 229 Santa Fe, NM 853 \$72 \$84,408 295 Santa Maria-Santa Barbara, CA 13,150 \$1,881 \$143,045 91 Santa Rosa, CA 22,256 \$2,852 \$128,145 122 Savannah, GA 17,577 \$2,020 \$114,923 164 Scrattle-Tacoma-Bellevue, WA <td< td=""><td>·</td><td></td><td></td><td>0.32</td></td<>	·			0.32
Salt Lake City, UT 54,735 \$7,633 \$139,453 96 San Angelo, TX NA \$395 NA NA San Angelo, TX 45,510 \$5,387 \$118,370 149 San Dises-Carisbad, CA 105,126 \$15,676 \$149,117 80 San Francisco-Oakland-Hayward, CA 126,634 \$47,296 \$373,485 5 San Jose-Sunnyvale-Santa Clara, CA 162,725 \$37,448 \$230,130 27 San Luis Obispo-Paso Robles-Arroyo Grande, CA 7,095 \$834 \$117,548 151 Santa Gruz-Watsonville, CA 6,651 \$669 \$100,586 229 Santa Fe, NM 853 \$72 \$84,408 295 Santa Maria-Santa Barbara, CA 13,150 \$1,881 \$143,045 91 Santa Rosa, CA 22,256 \$2,852 \$128,145 122 Savannah, GA 17,577 \$2,020 \$114,923 164 Scrattle-Tacoma-Bellevue, WA 188,494 \$35,119 \$186,314 43 Sebastian-Vero Beach, FL	·	·		1.02
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Springfield, MA 21,170 \$2,601 \$122,864 132				0.84
·				0.90
Springfield, OH 6,413 \$528 \$82,333 306	·	\$1,609	\$109,424 184	0.84 1.56



Metropolitan Statistical Area	Employment,	GRP, 2014	Productivity	Productivity	Location
Metropolitari Statistical Area	3Q 2015	(\$Millions)	(GRP/Job)	Rank	Quotient
St. Cloud, MN	15,203	\$1,287	\$84,656	291	1.68
St. George, UT	3,103	\$183	\$58,969	339	0.62
St. Joseph, MO-KS	NA	NA	NA	NA	NA
St. Louis, MO-IL*	115,045	\$18,384	\$159,799	62	1.00
State College, PA	4,065	\$373	\$91,751	272	0.68
Staunton-Waynesboro, VA*	7,151	\$1,577	\$220,539	29	1.72
Stockton-Lodi, CA	19,932	\$2,083	\$104,505	206	0.96
Sumter, SC	6,426	\$645	\$100,379	231	2.00
Syracuse, NY	24,595	\$3,397	\$138,119	99	0.93
Tallahassee, FL	2,995	\$393	\$131,219	112	0.21
Tampa-St. Petersburg-Clearwater, FL	61,534	\$7,179	\$116,667	155	0.58
Terre Haute, IN	10,963	\$1,675	\$152,787	72	1.86
Texarkana, TX-AR	5,305	\$759	\$143,073	90	1.02
The Villages, FL	1,171	\$96	\$81,958	308	0.51
Toledo, OH	43,983	\$5,655	\$128,571	120	1.71
Topeka, KS	7,337	\$825	\$112,439	172	0.76
Trenton, NJ	7,895	\$1,260	\$159,595	64	0.38
Tucson, AZ	22,481	\$3,391	\$150,841	78	0.72
Tulsa, OK	49,259	\$6,157	\$124,992	129	1.31
Tuscaloosa, AL	15,432	\$1,588	\$102,905	219	1.79
Tyler, TX	6,477	\$901	\$139,108	97	0.75
Urban Honolulu, HI	11,152	\$1,163	\$104,286	209	0.27
Utica-Rome, NY	11,281	\$981	\$86,963	284	1.06
Valdosta, GA*	4,260	\$467	\$109,624	182	0.90
Vallejo-Fairfield, CA	12,001	\$3,776	\$314,649	10	1.03
Victoria, TX	2,478	\$576	\$232,477	24	0.65
Vineland-Bridgeton, NJ	8,584	\$910	\$106,011	198	1.64
Virginia Beach-Norfolk-Newport News, VA-NC	NA	NA	NA	NA	NA
Visalia-Porterville, CA	12,161	\$1,181	\$97,111	251	0.88
Waco, TX	16,298	\$2,123	\$130,261	114	1.66
Walla Walla, WA*	3,566	\$370	\$103,758	213	1.44
Warner Robins, GA	NA	NA	NA	NA	NA
Washington-Arlington-Alexandria, DC-VA-MD-WV	NA	NA	NA	NA	NA
Waterloo-Cedar Falls, IA	16,056	\$2,316	\$144,242	88	2.06
Watertown-Fort Drum, NY	2,526	\$325	\$128,662	119	0.67
Wausau, WI	16,220	\$1,366	\$84,219	298	2.61
Weirton-Steubenville, WV-OH	5,446	\$649	\$119,163	146	1.57
Wenatchee, WA	2,724	\$221	\$81,121	314	0.52
Wheeling, WV-OH	3,130	\$780	\$249,175	21	0.55
Wichita Falls, TX	5,033	\$750	\$149,007	82	1.01
Wichita, KS	52,289	\$6,550	\$125,265	126	2.05
Williamsport, PA	7,935	\$922	\$116,194	160	1.70
Wilmington, NC	5,931	\$1,744	\$294,032	12	0.57
Winchester, VA-WV	6,922	\$1,272	\$183,762	44	1.35
Winston-Salem, NC	31,977	\$6,900	\$215,782	30	1.44
Worcester, MA-CT	41,049			108	1.24
	8,684	\$5,510 \$734	\$134,231 \$84,527		0.85
Yakima, WA				293	
York-Hanover, PA	31,270	\$3,729	\$119,250	144	2.01



Metropolitan Statistical Area	Employment, 3Q 2015	GRP, 2014 (\$Millions)	Productivity (GRP/Job)	Productivity Rank	Location Quotient
Youngstown-Warren-Boardman, OH-PA	30,411	\$2,521	\$82,897	305	1.59
Yuba City, CA	2,217	\$217	\$97,895	247	0.53
Yuma, AZ	1,902	\$245	\$128,812	118	0.37

Source: Bureau of Labor Statistics, Bureau of Economic Analysis, Garner Economics

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