

Appendix D

Location Quotients (LQ) by MSA

	New York-Northern New Jersey-Long Island, NY-NJ-PA		Los Angeles-Long Beach-Santa Ana, CA		Chicago-Naperville-Joliet, IL-IN-WI		Washington-Arlington-Alexandria, DC-VA-MD-WV	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	ND	ND	0.16	-0.06	0.09	-0.04	ND	ND
Construction	0.82	0.07	0.76	-0.03	0.76	-0.05	ND	ND
Manufacturing	ND	ND	1.03	0	1.04	0.01	0.21	-0.02
TT&U	0.95	-0.02	0.93	-0.02	1.01	0.01	0.73	-0.02
Information	1.51	0.04	1.89	0.07	ND	ND	ND	ND
Financial Activities	1.48	-0.06	1	-0.05	1.1	-0.06	ND	ND
Professional & Business Services	1.12	-0.02	1.08	-0.05	1.17	-0.01	1.85	0
Education & Health Services	1.22	-0.05	0.84	0.03	1.01	0.03	0.9	0
Leisure & Hospitality	0.85	0.07	1.02	0.04	0.91	0.01	1	0.04
Other Services	1.13	0	1.68	0.16	ND	ND	1.75	0.01

	San Francisco-Oakland-Fremont, CA		Boston-Cambridge-Quincy, MA-NH		Dallas-Fort Worth-Arlington, TX		Miami-Fort Lauderdale-Pompano Beach, FL	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	0.16	-0.04	0.11	-0.02	0.69	0.14	0.47	-0.12
Construction	1	-0.02	0.76	0.06	ND	ND	0.88	-0.26
Manufacturing	0.62	-0.03	0.78	-0.02	ND	ND	0.37	-0.03
TT&U	0.84	-0.05	0.8	-0.02	1.05	-0.02	1.18	0.05
Information	1.62	0.14	1.47	0.16	ND	ND	0.94	-0.01
Financial Activities	1.08	-0.14	1.2	-0.05	1.37	0.07	1.2	-0.02
Professional & Business Services	1.41	0.08	1.2	-0.02	1.14	0.03	1.06	-0.06
Education & Health Services	0.83	-0.02	1.28	-0.06	0.78	0.03	1	0.02
Leisure & Hospitality	1.05	0	0.9	0.02	0.94	ND	1.15	0.07
Other Services	1.67	0.19	1.11	0.06	ND	ND	1.07	-0.01

Source: Chandan Economics

Appendix D (continued)
Location Quotients (LQ) by MSA

	Houston-Sugar Land-Baytown, TX		Atlanta-Sandy Springs-Marietta, GA		Seattle-Tacoma-Bellevue, WA		Riverside-San Bernardino-Ontario, CA	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	2.47	-0.09	0.08	ND	0.2	-0.06	0.94	-0.11
Construction	1.55	0.17	0.87	ND	1.08	-0.14	1.28	-0.3
Manufacturing	0.99	0.1	0.71	-0.01	1.18	0.13	0.83	-0.08
TT&U	1.05	0.01	1.16	0	0.95	0.01	1.28	0.08
Information	ND	ND	ND	ND	2.58	0.39	0.49	-0.06
Financial Activities	0.89	-0.03	1.07	-0.01	0.88	-0.1	0.63	-0.02
Professional & Business Services	1.1	-0.03	1.25	0.03	1.01	-0.01	0.83	-0.05
Education & Health Services	0.76	-0.01	0.81	ND	0.83	0.01	0.85	0.08
Leisure & Hospitality	0.9	-0.01	0.98	-0.01	0.91	-0.03	1.09	0.03
Other Services	0.84	ND	0.72	-0.05	1.31	0.13	1.49	0.23

	San Diego-Carlsbad-San Marcos, CA		Denver-Aurora-Broomfield, CO		Philadelphia-Camden-Wilmington, PA-NJ-DE-MD		Detroit-Warren-Livonia, MI	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	0.53	-0.11	0.69	0.09	ND	ND	0.1	0
Construction	1.06	-0.13	1.17	-0.04	ND	ND	0.68	0.06
Manufacturing	0.82	0.05	0.56	0	ND	ND	1.29	0.01
TT&U	0.86	-0.01	0.97	-0.02	0.93	-0.01	0.92	0.01
Information	0.96	-0.34	ND	ND	0.85	-0.05	0.66	-0.1
Financial Activities	0.97	-0.05	ND	ND	1.25	-0.03	0.86	-0.03
Professional & Business Services	1.26	0.01	1.31	0.03	1.08	-0.03	1.3	0
Education & Health Services	0.84	0.08	0.82	0.04	1.36	-0.02	1.04	-0.02
Leisure & Hospitality	1.22	-0.02	1.04	0	0.83	0.02	0.9	-0.03
Other Services	1.43	0.13	0.88	0	0.95	-0.02	0.86	-0.02

Source: Chandan Economics

Appendix D (continued)
Location Quotients (LQ) by MSA

	Phoenix-Mesa-Glendale, AZ		Minneapolis-St. Paul-Bloomington, MN-WI		Cleveland-Elyria-Mentor, OH		Portland-Vancouver-Hillsboro, OR-WA	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	0.42	-0.06	0.2	0	0.2	-0.02	0.83	-0.21
Construction	1.16	-0.38	0.75	0	0.74	0.08	1.09	0.01
Manufacturing	0.72	0.03	1.12	0.04	1.35	0.05	1.22	0.06
TT&U	1.02	0.01	0.91	-0.04	0.9	-0.03	0.97	-0.02
Information	0.79	0.08	1.07	0.03	0.72	-0.04	1.08	0.03
Financial Activities	1.41	0.12	1.36	0.08	1.02	-0.07	0.95	-0.02
Professional & Business Services	1.15	-0.09	1.12	0.01	1	0.01	0.99	0.02
Education & Health Services	0.96	0.16	1.04	0.01	1.25	0.02	0.92	0.02
Leisure & Hospitality	0.98	0.02	0.88	-0.03	0.86	-0.02	0.93	-0.01
Other Services	0.78	-0.02	0.94	-0.04	0.84	-0.06	1.16	0.03

	Orlando-Kissimmee-Sanford, FL		St. Louis, MO-IL		Tampa-St. Petersburg-Clearwater, FL		Baltimore-Towson, MD	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	0.35	-0.13	ND	ND	0.64	-0.14	0.12	0.02
Construction	1	-0.29	ND	ND	1.07	-0.05	1.28	0.08
Manufacturing	0.39	0.01	0.93	ND	0.57	0.01	0.54	-0.02
TT&U	0.94	0.01	0.96	0.02	0.96	0.06	0.97	-0.02
Information	1.06	-0.02	1.07	ND	1.06	-0.05	0.65	-0.15
Financial Activities	1.08	0.09	ND	ND	1.38	0.1	1	-0.05
Professional & Business Services	1.1	-0.1	ND	ND	1.14	-0.28	1.16	0.05
Education & Health Services	0.8	0.04	1.14	0.01	1.05	0.09	1.29	-0.03
Leisure & Hospitality	1.9	0.12	1.02	-0.04	1.07	0.11	0.94	-0.02
Other Services	0.76	-0.07	1.02	ND	0.83	-0.03	1	-0.03

Source: Chandan Economics

Appendix D (continued)
Location Quotients (LQ) by MSA

	Pittsburgh, PA		Sacramento-Arden-Arcade-Roseville, CA		Charlotte-Gastonia-Rock Hill, NC-SC		Kansas City, MO-KS	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	0.56	0.16	0.8	0.02	0.22	-0.03	0.15	-0.02
Construction	1.01	0.16	1.21	-0.26	1.05	-0.15	0.92	-0.01
Manufacturing	0.85	0	0.5	0.02	0.92	0.01	0.83	0.02
TT&U	0.93	-0.04	0.96	0	1.05	0	1.05	-0.01
Information	0.74	-0.09	0.95	-0.16	1.26	0.13	ND	ND
Financial Activities	1.04	0.08	1.12	-0.16	1.47	0.03	1.28	0.05
Professional & Business Services	1.01	0.05	1.1	0.06	1.22	0.07	1.15	0.04
Education & Health Services	1.31	-0.11	0.96	0.04	0.67	0.01	ND	ND
Leisure & Hospitality	0.91	-0.03	1.08	0	1.05	0.08	0.98	0
Other Services	0.97	-0.09	1.68	0.19	0.69	-0.11	0.84	0

	Salt Lake City, UT		Columbus, OH		Indianapolis-Carmel, IN		Las Vegas-Paradise, NV	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	0.44	0.09	0.18	0.01	ND	ND	0.03	-0.02
Construction	1.2	-0.09	0.74	0.01	1.05	ND	1.02	-0.85
Manufacturing	0.95	0.07	0.81	-0.02	ND	ND	0.26	-0.01
TT&U	1.06	0.01	1.02	-0.05	1.07	0	0.93	0.09
Information	ND	ND	0.88	-0.02	ND	ND	0.55	0.02
Financial Activities	1.34	-0.01	1.3	-0.01	1.08	-0.02	0.81	-0.04
Professional & Business Services	1.19	0.01	1.24	0.03	1.04	0.01	0.91	0.01
Education & Health Services	0.74	0.03	0.98	ND	0.96	0.06	0.59	0.09
Leisure & Hospitality	0.9	-0.01	0.99	-0.01	0.98	-0.02	2.91	0.08
Other Services	ND	ND	0.84	ND	ND	ND	0.69	0.04

Source: Chandan Economics

Appendix D (continued)
Location Quotients (LQ) by MSA

	San Antonio-New Braunfels, TX		Cincinnati-Middletown, OH-KY-IN		Milwaukee-Waukesha-West Allis, WI		Raleigh-Cary, NC	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	0.49	-0.02	0.08	ND	0.1	-0.01	0.28	-0.13
Construction	1.14	0.02	0.86	ND	0.66	-0.05	1.37	-0.08
Manufacturing	0.61	0.01	1.16	ND	1.58	0.11	0.59	-0.06
TT&U	0.93	-0.03	0.99	-0.02	0.87	-0.02	0.96	-0.02
Information	1.17	-0.04	0.65	0	0.87	-0.02	1.73	0.21
Financial Activities	1.45	0.12	1.05	0.05	1.07	-0.01	0.89	0.02
Professional & Business Services	0.94	-0.06	ND	ND	1.01	0.02	1.41	0.05
Education & Health Services	1.04	0	1	-0.03	1.13	-0.03	0.83	0.07
Leisure & Hospitality	1.27	0.03	ND	ND	0.81	-0.03	1.06	0.08
Other Services	0.95	0.02	ND	ND	1.03	0.1	0.9	-0.11

	Nashville-Davidson-Murfreesboro-Franklin, TN		Austin-Round Rock-San Marcos, TX		Virginia Beach-Norfolk-Newport News, VA-NC		Greensboro-High Point, NC	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	0.13	0	0.37	-0.02	0.1	ND	0.15	-0.02
Construction	0.91	-0.05	1.18	-0.01	1.2	ND	0.88	-0.03
Manufacturing	0.96	-0.05	0.73	-0.1	0.9	0.1	1.67	0.04
TT&U	1.04	0.01	0.99	0.01	0.98	-0.04	1.05	0
Information	1.18	ND	1.39	0.01	0.85	-0.13	0.76	0.02
Financial Activities	1.02	0.04	1.07	0.03	0.93	-0.02	0.9	-0.02
Professional & Business Services	1.02	0.02	1.18	0.01	1.06	-0.01	1.01	0.08
Education & Health Services	1.05	-0.01	0.81	0.03	0.98	0.05	0.89	0.01
Leisure & Hospitality	1.05	-0.01	1.16	0.04	1.22	-0.01	0.86	-0.02
Other Services	0.87	ND	1.09	-0.01	ND	ND	0.68	0

Source: Chandan Economics

Appendix D (continued)
Location Quotients (LQ) by MSA

	Providence-New Bedford-Fall River, RI-MA		Hartford-West Hartford-East Hartford, CT		Louisville-Jefferson County, KY-IN		New Orleans-Metairie-Kenner, LA	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	ND	ND	ND	ND	0.15	-0.03	1.02	-0.25
Construction	ND	ND	ND	ND	ND	ND	1.39	0.25
Manufacturing	ND	ND	ND	ND	ND	ND	0.64	-0.06
TT&U	0.94	0	ND	ND	1.11	-0.01	1.05	-0.05
Information	0.9	0.01	ND	ND	0.76	0.01	0.74	ND
Financial Activities	0.9	-0.04	ND	ND	1.17	0.03	0.85	-0.02
Professional & Business Services	0.77	0.01	ND	ND	0.89	0	0.97	-0.05
Education & Health Services	1.36	-0.05	ND	ND	ND	ND	0.94	0.05
Leisure & Hospitality	1.05	0.02	ND	ND	0.98	0	1.4	0.08
Other Services	1.24	0.04	ND	ND	ND	ND	0.77	-0.05

	Oklahoma City, OK		Memphis, TN-MS-AR	
	Location Quotient	Change in LQ 2007-2012	Location Quotient	Change in LQ 2007-2012
Mining	2.51	0.32	0.17	ND
Construction	1.15	0.24	0.8	ND
Manufacturing	0.72	0.03	0.83	0.02
TT&U	0.99	-0.01	1.39	-0.01
Information	0.81	ND	0.49	ND
Financial Activities	1.05	-0.02	0.77	-0.04
Professional & Business Services	1.03	-0.04	1.01	0.04
Education & Health Services	0.96	-0.07	0.95	0.05
Leisure & Hospitality	1.1	0.01	1.02	-0.14
Other Services	0.75	-0.06	0.74	ND

Source: Chandan Economics