

Enumeration of Kernel-Based Metropolitan Areas (KBMAAs)

Data supplement to Rappaport, Jordan, and McKenzie Humann. 2025. “A Better Delineation of U.S. Metropolitan Areas.” Federal Reserve Bank of Kansas City, Research Working Paper no. 25-01, March.

The [paper](#) broadly defines metropolitan areas as unions of built-up locations near each other with combined population of at least moderate scale and among which a significant share of residents and workers travel on a day-to-day basis between places of residence, places of employment, and places of consumption. A wide range of parameterizations of our delineation algorithm are arguably consistent with this broad definition.

KBMAAs, our baseline parameterization, are likely to be appropriate for most questions and purposes. Their parameterization balances encompassing commuting flows and excluding locations insufficiently nearby or built up. One alternative parameterization, Kernel-Based Metropolitan Regions (KBMRs), more heavily weights encompassing commuting flows and so delineates metropolitan areas that are more expansive. Another alternative parameterization, Kernel-Based Urban Areas (KBUAs), more heavily weights excluding less built-up and less near locations and so delineates metropolitan areas that are more compact.

Additional enumerations, workbooks, and maps are available from the paper’s [webpage](#).

Rank	KBMA Title	Cores	Population	Employment	Land Area (sq.mi)	Tracts	Max Dist (mi)	Inflow Rate	Outflow Rate
1	New York--Newark, NY--NJ--PA	14	19,138,832	8,293,650	6,391	4,635	229	0.045	0.022
2	Los Angeles--Long Beach--Santa Ana, CA	14	15,190,744	6,140,949	4,014	3,099	145	0.030	0.029
3	Chicago, IL--IN--WI	7	8,830,933	4,075,080	3,381	1,994	120	0.045	0.021
4	San Jose--San Francisco--Oakland, CA	15	6,257,164	3,092,204	1,940	1,292	99	0.069	0.036
5	Philadelphia, PA--NJ--DE--MD	4	5,519,614	2,464,841	3,106	1,401	106	0.068	0.066
6	Boston, MA--NH--CT	6	5,250,008	2,710,238	3,987	1,095	118	0.086	0.036
7	Miami, FL	2	4,932,226	2,076,669	1,484	871	36	0.025	0.021
8	Dallas--Fort Worth--Arlington, TX	8	4,736,484	2,409,101	2,634	967	127	0.089	0.030
9	Detroit, MI	5	4,501,066	2,117,786	2,261	1,299	108	0.093	0.027
10	Washington, DC--VA--MD--WV	6	4,428,188	2,464,935	2,411	931	95	0.133	0.052
11	Houston, TX	7	4,277,957	1,960,051	2,588	796	73	0.066	0.027
12	Atlanta, GA	7	3,962,469	2,101,116	3,740	631	107	0.102	0.027
13	Phoenix--Mesa, AZ	3	2,990,732	1,364,523	1,141	637	76	0.046	0.037
14	Seattle, WA	3	2,942,476	1,540,236	1,666	640	68	0.074	0.029
15	San Diego, CA	2	2,742,261	1,257,645	1,254	585	45	0.047	0.041
16	Minneapolis--St. Paul, MN--WI	7	2,639,647	1,525,513	1,694	671	92	0.117	0.031
17	Baltimore, MD--PA	6	2,504,099	1,146,193	1,652	613	77	0.111	0.134
18	Denver--Aurora, CO	7	2,314,392	1,235,379	1,153	552	57	0.079	0.041
19	Tampa--St. Petersburg, FL	4	2,313,087	1,034,051	1,418	521	53	0.054	0.040
20	St. Louis, MO--IL	4	2,275,085	1,174,114	1,584	467	101	0.124	0.030
21	Cleveland, OH	3	2,156,397	1,055,456	1,443	682	96	0.121	0.046
22	Pittsburgh, PA	5	2,044,606	981,499	1,830	624	80	0.133	0.047
23	Bridgeport--New Haven--Stamford, CT--NY	4	1,843,931	848,378	1,414	422	91	0.122	0.133
24	Cincinnati, OH--KY--IN	5	1,743,906	893,751	1,364	426	64	0.125	0.051
25	Portland, OR--WA	4	1,728,986	905,121	960	378	61	0.099	0.040
26	Orlando, FL	5	1,657,169	836,996	1,318	327	59	0.120	0.060
27	Sacramento, CA	6	1,613,617	725,772	853	348	83	0.107	0.080
28	Kansas City, MO--KS	3	1,498,432	822,433	1,072	432	65	0.150	0.040
29	Milwaukee, WI	5	1,471,013	738,826	1,124	411	46	0.102	0.046
30	Virginia Beach, VA	2	1,442,566	704,310	759	338	61	0.074	0.048
31	San Antonio, TX	3	1,413,845	662,617	654	278	69	0.131	0.055
32	Providence, RI--MA	2	1,390,708	598,270	963	313	62	0.105	0.156
33	Charlotte, NC--SC	8	1,353,014	751,632	1,717	272	71	0.173	0.071
34	Salt Lake City, UT	4	1,339,304	653,894	734	285	67	0.091	0.046
35	Las Vegas, NV	2	1,321,981	608,039	458	319	36	0.041	0.031
36	Indianapolis, IN	5	1,304,430	724,869	1,000	273	74	0.159	0.053
37	Columbus, OH	6	1,294,551	736,730	825	319	88	0.173	0.059
38	New Orleans, LA	5	1,219,997	545,471	610	361	67	0.110	0.047
39	Buffalo, NY	2	1,090,429	506,077	760	279	47	0.094	0.035
40	Hartford, CT	3	1,017,991	528,261	1,048	252	64	0.214	0.134
41	Austin, TX	4	995,870	584,588	738	215	42	0.157	0.054
42	Memphis, TN--MS--AR	1	989,579	489,539	638	235	39	0.148	0.049
43	Raleigh--Durham, NC	3	978,319	588,087	1,243	175	61	0.192	0.062
44	Nashville--Davidson, TN	3	970,068	599,566	1,005	206	77	0.240	0.058
45	Akron, OH	3	928,201	431,173	770	214	53	0.168	0.172
46	Louisville, KY--IN	2	917,392	489,877	677	217	51	0.160	0.053
47	Jacksonville, FL	1	906,595	452,602	680	162	32	0.113	0.067
48	Oklahoma City, OK	3	870,650	456,485	594	281	48	0.169	0.050
49	Honolulu, HI	3	863,696	406,551	444	210	39	0.022	0.011
50	Richmond, VA	1	853,514	472,891	665	219	43	0.177	0.044

Enumeration of KBMAs (ranks 1 to 51 of 361): “Max Dist” is the distance between the tract centroids that are farthest from each other. Tables with more detailed variables for KBMAs and analogous tables for KBMRs and KBUAs are available from the paper’s [webpage](#).

Rank	KBMA Title	Cores	Population	Employment	Land Area (sq.mi)	Tracts	Max Dist (mi)	Inflow Rate	Outflow Rate
51	Rochester, NY	3	796,657	424,170	678	199	77	0.172	0.051
52	Dayton, OH	1	752,763	385,183	614	185	36	0.182	0.098
53	Fresno, CA	5	746,386	278,217	414	144	67	0.147	0.129
54	Tucson, AZ	2	742,531	346,140	405	172	27	0.104	0.055
55	Birmingham, AL	2	720,609	387,230	797	160	63	0.228	0.061
56	Sarasota--Bradenton, FL	3	696,300	273,498	506	159	60	0.093	0.090
57	Albany, NY	3	673,220	371,875	544	173	59	0.219	0.070
58	Allentown--Bethlehem, PA--NJ	2	661,446	288,458	730	150	59	0.161	0.176
59	El Paso, TX--NM	1	652,316	238,512	325	120	33	0.100	0.074
60	Omaha, NE--IA	1	651,884	364,687	402	200	36	0.131	0.035
61	Tulsa, OK	3	642,057	366,505	588	203	57	0.212	0.030
62	Springfield, MA--CT	2	641,112	297,119	608	136	39	0.177	0.160
63	Albuquerque, NM	3	638,220	309,789	429	152	33	0.105	0.054
64	Grand Rapids, MI	1	605,501	357,768	535	127	51	0.251	0.097
65	Knoxville, TN	4	578,677	297,608	941	122	58	0.203	0.053
66	Toledo, OH--MI	2	567,085	279,105	417	148	42	0.159	0.093
67	Baton Rouge, LA	2	533,409	259,917	577	109	41	0.181	0.078
68	McAllen, TX	1	530,724	165,609	549	73	38	0.097	0.089
69	Greensboro, NC	4	493,887	306,826	598	113	32	0.304	0.122
70	Bakersfield, CA	6	487,473	159,284	229	100	42	0.125	0.174
71	Youngstown, OH--PA	2	469,306	210,122	482	135	37	0.198	0.139
72	Columbia, SC	1	466,756	265,617	588	109	53	0.228	0.085
73	Harrisburg, PA	3	460,730	286,055	543	102	79	0.301	0.100
74	Colorado Springs, CO	2	454,418	228,366	265	102	26	0.137	0.130
75	Palm Bay--Melbourne, FL	2	450,774	187,411	334	86	25	0.083	0.105
76	Greenville, SC	2	448,979	249,544	655	104	36	0.239	0.126
77	Charleston--North Charleston, SC	1	446,392	227,356	431	95	32	0.144	0.084
78	South Bend, IN--MI	2	441,799	236,334	411	100	39	0.207	0.103
79	Stockton, CA	3	439,187	149,285	195	99	19	0.228	0.276
80	Modesto, CA	5	426,915	149,714	200	83	32	0.201	0.248
81	Wichita, KS	2	423,884	224,801	249	114	50	0.203	0.103
82	Lancaster, PA	2	421,674	212,231	632	84	48	0.165	0.137
83	Little Rock, AR	1	419,556	243,623	522	94	56	0.256	0.085
84	Syracuse, NY	1	418,085	235,702	278	130	40	0.264	0.077
85	Oxnard, CA	3	417,622	171,988	225	82	25	0.216	0.250
86	Flint, MI	1	410,888	170,376	447	123	34	0.222	0.227
87	Des Moines, IA	2	393,771	242,217	362	84	25	0.187	0.047
88	Scranton, PA	1	392,935	198,619	320	121	48	0.233	0.068
89	Cape Coral, FL	2	387,276	149,939	409	93	47	0.125	0.157
90	Lakeland, FL	3	387,256	163,430	399	87	34	0.207	0.203
91	Mobile, AL	2	380,918	171,952	443	110	39	0.231	0.132
92	Boise City, ID	2	379,646	194,914	314	62	37	0.136	0.101
93	Santa Rosa, CA	3	377,751	170,118	317	70	32	0.175	0.244
94	Chattanooga, TN--GA	1	377,499	201,171	508	80	25	0.235	0.085
95	Madison, WI	2	370,462	249,151	305	79	49	0.240	0.094
96	Jackson, MS	3	363,880	198,350	441	89	26	0.249	0.077
97	Spokane, WA	2	363,152	189,018	267	92	42	0.187	0.059
98	Lexington-Fayette, KY	6	357,119	212,806	350	77	49	0.268	0.132
99	Winston-Salem, NC	1	352,235	177,455	558	80	27	0.227	0.176
100	Corpus Christi, TX	3	347,449	150,678	242	68	42	0.109	0.065

Enumeration of KBMAs (ranks 51 to 100 of 361): “Max Dist” is the distance between the tract centroids that are farthest from each other. Tables with more detailed variables for KBMAs and analogous tables for KBMRs and KBUAs are available from the paper’s [webpage](#).

Rank	KBMA Title	Cores	Population	Employment	Land Area (sq.mi)	Tracts	Max Dist (mi)	Inflow Rate	Outflow Rate
101	Provo--Orem, UT	2	342,579	145,715	218	76	20	0.123	0.150
102	Augusta-Richmond County, GA--SC	1	342,351	161,255	371	65	55	0.244	0.167
103	Lansing, MI	2	334,492	201,317	257	91	38	0.289	0.135
104	Pensacola, FL	1	331,060	151,274	302	63	27	0.153	0.112
105	Fort Wayne, IN	2	326,473	181,261	302	84	32	0.236	0.133
106	Rockford, IL--WI	2	315,357	155,625	228	85	30	0.225	0.173
107	Beaumont, TX	3	310,129	135,200	396	84	40	0.228	0.100
108	Salinas, CA	2	299,572	121,152	166	64	39	0.202	0.207
109	Reno, NV	1	287,283	158,204	184	54	15	0.182	0.080
110	Brownsville, TX	3	286,227	98,562	276	73	45	0.208	0.128
111	Gulfport--Biloxi, MS	2	283,228	150,183	333	65	62	0.251	0.110
112	Peoria, IL	2	282,484	142,913	295	71	51	0.240	0.129
113	Davenport, IA--IL	1	279,155	152,579	221	80	34	0.216	0.094
114	Reading, PA	1	275,515	137,717	304	66	28	0.270	0.197
115	Port St. Lucie, FL	1	275,248	103,174	275	52	20	0.147	0.192
116	Fayetteville, NC	1	270,980	144,961	259	46	27	0.234	0.089
117	Lafayette, LA	3	268,586	125,431	399	55	31	0.271	0.120
118	Indio--Palm Springs--Cathedral City, CA	2	267,989	103,579	182	62	28	0.266	0.243
119	Appleton--Oshkosh, WI	2	266,858	159,702	184	63	47	0.252	0.130
120	Barnstable Town, MA	1	263,125	101,240	437	56	55	0.111	0.231
121	Shreveport, LA	1	261,299	146,747	232	67	21	0.305	0.063
122	Asheville, NC	2	256,958	110,282	511	56	47	0.291	0.081
123	Hickory, NC	1	256,689	156,120	564	51	59	0.290	0.093
124	Portland, ME	2	254,975	167,390	382	59	49	0.325	0.124
125	Bonita Springs, FL	3	254,734	116,102	256	54	32	0.202	0.110
126	Anchorage, AK	3	253,897	133,795	163	52	65	0.143	0.040
127	Santa Cruz--Watsonville, CA	2	246,724	104,349	207	50	32	0.160	0.255
128	Daytona Beach--Port Orange, FL	1	245,344	105,951	187	50	20	0.201	0.177
129	Eugene, OR	1	241,053	126,448	168	56	30	0.192	0.113
130	Montgomery, AL	2	240,600	130,055	202	58	23	0.302	0.111
131	Huntsville, AL	1	238,407	150,505	373	62	25	0.315	0.091
132	Salem, OR	3	238,162	111,079	190	42	39	0.264	0.216
133	York, PA	1	237,138	121,574	324	55	23	0.241	0.210
134	Norwich--New London, CT--RI	2	235,237	132,043	339	56	38	0.276	0.163
135	Springfield, MO	1	233,800	154,184	231	60	20	0.302	0.049
136	Kalamazoo, MI	2	229,118	132,070	294	56	34	0.293	0.171
137	Atlantic City, NJ	1	228,081	119,972	223	58	30	0.294	0.161
138	Columbus, GA--AL	1	225,943	104,709	189	63	16	0.220	0.120
139	Lincoln, NE	1	225,386	135,841	91	53	12	0.174	0.088
140	Evansville, IN--KY	1	222,939	128,775	179	60	44	0.283	0.113
141	Saginaw, MI	2	220,350	112,665	226	57	22	0.331	0.180
142	Eric, PA	1	218,969	117,659	149	58	37	0.235	0.063
143	Roanoke, VA	1	217,319	128,312	249	45	21	0.265	0.051
144	Savannah, GA	1	216,182	122,482	275	63	27	0.260	0.043
145	Bremerton, WA	1	215,064	89,150	260	47	22	0.153	0.227
146	Lubbock, TX	1	209,552	106,482	106	55	25	0.181	0.083
147	Fort Collins, CO	1	206,170	113,703	128	48	16	0.230	0.197
148	Fayetteville--Springdale, AR	1	202,719	122,977	308	38	15	0.311	0.103
149	Tallahassee, FL	1	202,312	129,147	158	43	28	0.303	0.065
150	Green Bay, WI	1	200,209	127,086	201	44	15	0.261	0.094

Enumeration of KBMAs (ranks 101 to 150 of 361): “Max Dist” is the distance between the tract centroids that are farthest from each other. Tables with more detailed variables for KBMAs and analogous tables for KBMRs and KBUAs are available from the paper’s [webpage](#).

Rank	KBMA Title	Cores	Population	Employment	Land Area (sq.mi)	Tracts	Max Dist (mi)	Inflow Rate	Outflow Rate
151	Santa Barbara, CA	1	196,400	110,976	99	40	45	0.239	0.120
152	Spartanburg, SC	1	195,653	104,350	384	41	26	0.322	0.206
153	Amarillo, TX	2	190,748	92,560	134	53	18	0.167	0.079
154	Huntington, WV--KY--OH	1	186,027	92,237	255	53	43	0.341	0.150
155	Ocala, FL	2	180,096	79,850	314	30	20	0.365	0.188
156	Muskegon, MI	1	179,598	86,452	231	43	19	0.244	0.185
157	Utica, NY	3	179,522	92,305	178	61	43	0.350	0.137
158	Olympia--Lacey, WA	2	179,190	87,931	215	32	38	0.292	0.247
159	Rochester--Dover--Portsmouth, NH--ME	2	175,589	102,515	287	37	27	0.353	0.271
160	Charleston, WV	1	174,280	101,607	243	45	29	0.365	0.100
161	Gainesville, FL	1	172,789	99,386	147	33	14	0.316	0.129
162	San Luis Obispo, CA	4	172,561	79,552	131	32	38	0.247	0.231
163	Cedar Rapids, IA	1	169,855	109,305	142	37	51	0.279	0.104
164	Visalia, CA	2	168,499	60,961	107	36	20	0.274	0.298
165	Laredo, TX	1	168,032	51,985	75	29	4	0.156	0.158
166	Fort Walton Beach--Crestview, FL	2	165,360	79,787	145	31	34	0.188	0.174
167	Killeen, TX	1	161,727	85,412	246	27	23	0.257	0.198
168	Binghamton, NY	1	157,523	94,574	134	44	30	0.361	0.116
169	Champaign, IL	2	156,974	95,359	135	38	33	0.269	0.093
170	Macon, GA	1	154,157	83,327	243	41	18	0.364	0.115
171	Kennewick--Richland, WA	1	152,619	66,694	194	28	22	0.158	0.137
172	Topeka, KS	1	152,250	92,329	178	37	15	0.267	0.073
173	Waco, TX	1	151,254	81,673	103	35	11	0.321	0.105
174	Wilmington, NC	1	150,256	82,467	143	30	11	0.245	0.159
175	Hagerstown, MD--WV--PA	1	150,012	69,045	249	33	46	0.423	0.296
176	Myrtle Beach, SC--NC	1	148,692	91,122	271	33	39	0.329	0.096
177	Chico, CA	3	147,054	62,168	119	30	50	0.259	0.203
178	Fargo, ND--MN	1	140,463	90,288	76	30	15	0.189	0.053
179	Springfield, IL	1	138,792	102,407	101	41	14	0.386	0.080
180	Yakima, WA	2	138,277	60,111	163	21	26	0.224	0.140
181	Racine, WI	1	135,472	58,949	89	28	17	0.274	0.303
182	Yuma, AZ	1	134,671	41,906	144	25	26	0.141	0.174
183	Duluth, MN--WI	2	132,613	79,262	154	49	31	0.300	0.097
184	Medford, OR	1	131,096	70,750	131	24	18	0.250	0.069
185	College Station--Bryan, TX	1	129,426	66,338	80	26	8	0.240	0.122
186	Burlington, VT	1	128,608	97,541	190	27	18	0.353	0.067
187	Lafayette, IN	1	128,416	77,389	82	33	39	0.329	0.130
188	Lake Charles, LA	1	127,810	62,462	109	31	39	0.351	0.234
189	Johnson City, TN	1	127,399	62,307	214	29	21	0.355	0.198
190	Pueblo, CO	1	126,305	47,446	113	44	16	0.150	0.190
191	Panama City, FL	1	125,875	64,614	119	24	22	0.189	0.080
192	Sioux Falls, SD	1	123,538	87,412	61	25	15	0.290	0.084
193	Santa Maria, CA	1	120,985	41,614	54	25	8	0.276	0.367
194	Bellingham, WA	1	119,656	55,423	211	18	28	0.223	0.258
195	Wichita Falls, TX	2	118,074	63,216	142	31	33	0.211	0.064
196	Jacksonville, NC	1	117,095	53,407	160	22	32	0.255	0.339
197	Redding, CA	1	115,325	55,634	143	22	14	0.275	0.098
198	Corvallis--Albany, OR	3	114,723	53,318	115	25	32	0.279	0.171
199	Vero Beach--Sebastian, FL	1	114,468	43,439	118	24	13	0.234	0.243
200	Merced, CA	1	114,190	34,420	77	28	13	0.210	0.310

Enumeration of KBMAs (ranks 151 to 200 of 361): “Max Dist” is the distance between the tract centroids that are farthest from each other. Tables with more detailed variables for KBMAs and analogous tables for KBMRs and KBUAs are available from the paper’s [webpage](#).

Rank	KBMA Title	Cores	Population	Employment	Land Area (sq.mi)	Tracts	Max Dist (mi)	Inflow Rate	Outflow Rate
201	Vineland, NJ	2	112,858	47,394	125	25	21	0.396	0.348
202	Tuscaloosa, AL	1	112,243	62,077	107	31	9	0.347	0.162
203	Fort Smith, AR--OK	1	111,760	80,660	145	24	15	0.432	0.052
204	Athens-Clarke County, GA	1	110,047	69,539	135	30	14	0.389	0.138
205	Odessa, TX	1	109,987	44,056	95	26	13	0.202	0.189
206	Tyler, TX	1	109,153	67,260	143	26	11	0.426	0.180
207	Rochester, MN	1	108,417	77,469	100	30	40	0.331	0.066
208	Waterloo, IA	1	107,881	64,160	104	33	14	0.330	0.167
209	Jackson, MI	1	106,823	54,573	159	27	17	0.367	0.226
210	Lynchburg, VA	1	106,579	65,117	132	29	14	0.392	0.140
211	Bloomington--Normal, IL	1	105,888	76,907	46	28	7	0.354	0.105
212	Billings, MT	1	105,228	61,389	64	23	24	0.208	0.055
213	Kingsport, TN	1	104,993	46,560	202	24	21	0.360	0.242
214	Charlottesville, VA	1	104,560	68,703	175	25	27	0.420	0.149
215	Joplin, MO--KS	2	104,542	59,234	182	21	30	0.316	0.120
216	Burlington, NC	1	103,399	58,328	144	18	23	0.383	0.264
217	Clarksville, TN--KY	1	103,031	56,568	109	21	13	0.395	0.305
218	Abilene, TX	1	102,810	55,300	57	31	15	0.260	0.105
219	Columbia, MO	1	102,805	71,163	112	23	34	0.348	0.110
220	Holland, MI	1	102,228	69,097	129	15	15	0.431	0.229
221	Sioux City, IA--NE	1	101,948	51,202	83	25	10	0.257	0.222
222	Florence, SC	3	101,770	61,189	174	24	24	0.471	0.232
223	Mansfield, OH	2	101,340	53,544	155	27	22	0.344	0.199
224	Monroe, LA	1	100,888	57,475	101	30	32	0.440	0.179
225	Lima, OH	2	99,144	52,596	127	30	31	0.365	0.218
226	Grand Junction, CO	1	99,059	46,071	90	23	24	0.145	0.116
227	Wheeling, WV--OH	1	98,254	49,208	154	37	27	0.360	0.184
228	Houma, LA	1	97,460	39,803	115	22	21	0.432	0.395
229	Warner Robins, GA	1	97,411	45,213	124	16	8	0.265	0.275
230	Bloomington, IN	1	97,296	59,314	83	24	19	0.345	0.151
231	Johnstown, PA	1	96,386	45,831	139	35	19	0.331	0.162
232	Greenville, NC	1	96,302	57,348	152	14	20	0.354	0.167
233	Yuba City, CA	1	95,823	31,288	58	19	9	0.274	0.350
234	Hanford, CA	3	95,330	14,487	71	18	26	0.218	0.417
235	Longview, TX	2	95,027	58,148	113	21	17	0.461	0.144
236	Battle Creek, MI	1	94,645	54,556	139	27	22	0.383	0.182
237	Anderson, IN	1	94,601	40,831	111	25	12	0.357	0.358
238	Dover, DE	3	94,303	54,768	151	22	16	0.396	0.201
239	Springfield, OH	1	93,518	43,650	87	28	9	0.358	0.298
240	El Centro--Calexico, CA	3	93,250	18,210	37	17	14	0.211	0.299
241	Port Huron, MI	1	93,160	46,340	107	28	8	0.305	0.237
242	St. Cloud, MN	1	92,449	64,903	86	17	12	0.378	0.202
243	Albany, GA	1	91,606	51,627	110	26	13	0.386	0.082
244	Muncie, IN	1	90,874	49,160	98	25	9	0.324	0.185
245	Midland, TX	1	90,783	41,775	34	23	7	0.269	0.217
246	Altoona, PA	1	90,418	53,742	82	26	24	0.425	0.173
247	Eau Claire, WI	1	89,750	61,121	74	20	20	0.383	0.170
248	Greeley, CO	1	89,021	41,325	46	20	6	0.299	0.300
249	Terre Haute, IN	1	88,709	53,025	128	26	11	0.382	0.128
250	Benton Harbor--St. Joseph, MI	1	88,157	44,909	159	25	27	0.307	0.196

Enumeration of KBMAs (ranks 201 to 250 of 361): “Max Dist” is the distance between the tract centroids that are farthest from each other. Tables with more detailed variables for KBMAs and analogous tables for KBMRs and KBUAs are available from the paper’s [webpage](#).

Rank	KBMA Title	Cores	Population	Employment	Land Area (sq.mi)	Tracts	Max Dist (mi)	Inflow Rate	Outflow Rate
251	Parkersburg, WV--OH	1	86,149	53,077	88	29	19	0.444	0.096
252	Anderson, SC	1	85,385	46,385	172	19	20	0.431	0.304
253	San Angelo, TX	1	84,914	43,014	63	19	6	0.194	0.085
254	Decatur, IL	1	84,528	49,034	56	28	7	0.384	0.150
255	La Crosse, WI--MN	1	84,444	56,039	61	20	29	0.368	0.147
256	State College, PA	2	83,249	61,360	81	17	32	0.456	0.109
257	Las Cruces, NM	1	82,770	34,879	82	16	10	0.370	0.343
258	Sheboygan, WI	1	82,184	51,378	118	15	19	0.275	0.121
259	Lawton, OK	1	80,316	29,753	80	23	11	0.274	0.341
260	Jackson, TN	1	79,957	51,127	132	21	10	0.459	0.214
261	Lebanon, PA	1	78,587	33,179	124	19	19	0.353	0.422
262	Florence, AL	1	78,443	44,697	88	20	9	0.484	0.213
263	Lawrence, KS	1	77,974	41,515	38	16	8	0.258	0.276
264	Texarkana, TX--AR	1	77,560	46,288	100	18	11	0.425	0.092
265	Kahului--Kihei, HI	3	77,316	23,014	68	15	24	0.270	0.291
266	Dalton, GA	2	77,286	62,645	166	16	18	0.513	0.129
267	Michigan City, IN--MI	1	76,983	41,926	124	22	15	0.388	0.265
268	Iowa City, IA	1	76,965	60,807	48	17	7	0.385	0.148
269	Pottsville, PA	2	76,570	15,586	98	18	17	0.316	0.372
270	Homosassa Springs, FL	2	76,561	16,169	207	10	20	0.342	0.540
271	Weirton--Steubenville, WV--OH	1	76,143	38,194	103	24	12	0.395	0.230
272	Williamsport, PA	1	75,406	44,494	94	17	31	0.399	0.134
273	Santa Fe, NM	1	75,377	54,285	42	22	10	0.406	0.127
274	Elmira, NY	2	75,239	39,288	58	22	19	0.444	0.207
275	St. Joseph, MO	1	75,154	40,497	52	23	6	0.328	0.139
276	Auburn, AL	2	73,839	38,135	101	19	24	0.380	0.163
277	Anniston, AL	1	73,743	41,330	119	19	10	0.417	0.176
278	Alexandria, LA	1	73,142	43,239	79	22	9	0.459	0.142
279	Newark, OH	1	72,898	37,941	96	17	10	0.394	0.313
280	Rocky Mount, NC	2	72,649	31,885	92	16	24	0.486	0.295
281	Idaho Falls, ID	1	72,335	42,313	86	17	12	0.334	0.073
282	Logan, UT	1	72,054	34,050	72	15	6	0.213	0.201
283	Mount Vernon, WA	2	71,823	34,472	92	17	31	0.398	0.325
284	Temple, TX	1	71,055	44,670	120	19	10	0.481	0.224
285	Cheyenne, WY	1	70,356	35,678	51	16	7	0.156	0.087
286	Decatur, AL	2	70,222	45,350	107	17	10	0.498	0.269
287	Rapid City, SD	1	69,809	46,424	104	17	14	0.313	0.055
288	Eureka, CA	3	68,700	24,921	71	14	16	0.301	0.176
289	Bristol, TN--VA	2	68,590	41,663	108	15	23	0.526	0.319
290	Beckley, WV	2	68,192	25,200	151	15	25	0.380	0.226
291	Prescott, AZ	1	67,131	30,380	123	11	15	0.322	0.216
292	Gadsden, AL	1	66,979	34,188	132	20	12	0.389	0.192
293	Hattiesburg, MS	1	66,824	39,025	92	15	12	0.414	0.212
294	Great Falls, MT	1	66,363	33,825	78	19	12	0.159	0.071
295	Chesapeake Ranch Estates-Drum Point, MD	1	65,834	13,297	158	11	17	0.391	0.501
296	Lewiston, ME	1	64,998	39,935	94	18	15	0.444	0.252
297	Wausau, WI	1	64,961	45,492	95	15	10	0.409	0.176
298	Lake Jackson--Angleton, TX	1	64,770	28,849	96	14	20	0.456	0.400
299	Bowling Green, KY	1	64,724	48,322	99	14	8	0.429	0.116
300	Kingston, NY	1	64,641	35,704	107	20	12	0.436	0.303

Enumeration of KBMAs (ranks 251 to 300 of 361): “Max Dist” is the distance between the tract centroids that are farthest from each other. Tables with more detailed variables for KBMAs and analogous tables for KBMRs and KBUAs are available from the paper’s [webpage](#).

Rank	KBMA Title	Cores	Population	Employment	Land Area (sq.mi)	Tracts	Max Dist (mi)	Inflow Rate	Outflow Rate
301	Kankakee, IL	1	64,504	32,516	73	16	7	0.363	0.280
302	Owensboro, KY	1	64,337	38,504	66	17	9	0.391	0.138
303	Pittsfield, MA	1	63,747	37,180	110	15	10	0.353	0.185
304	Porterville, CA	2	63,506	21,719	27	13	10	0.406	0.390
305	Sumter, SC	1	63,220	38,753	102	13	11	0.437	0.175
306	Goldsboro, NC	1	63,025	40,561	126	14	14	0.501	0.208
307	Pocatello, ID	1	62,999	30,203	49	17	6	0.179	0.119
308	Blacksburg, VA	1	62,914	35,754	80	11	6	0.376	0.190
309	Salisbury, MD	1	62,878	24,181	98	13	7	0.383	0.169
310	Missoula, MT	1	62,485	42,744	75	12	6	0.347	0.133
311	Jonesboro, AR	1	62,289	39,315	161	9	9	0.325	0.102
312	Winchester, VA	1	62,004	39,276	101	10	17	0.510	0.322
313	Grand Forks, ND--MN	1	61,518	34,065	40	16	24	0.208	0.165
314	Dubuque, IA	1	61,132	40,704	32	17	6	0.362	0.139
315	Bismarck, ND	1	61,083	37,979	71	13	10	0.314	0.186
316	Coeur d'Alene, ID	1	60,994	33,588	48	12	12	0.413	0.277
317	Kokomo, IN	1	60,951	41,432	40	16	5	0.474	0.181
318	Longview, WA	1	60,600	20,064	45	16	8	0.326	0.192
319	Ashtabula, OH	2	60,417	25,389	110	15	28	0.316	0.332
320	Janesville, WI	1	60,298	31,816	86	14	6	0.466	0.432
321	Casper, WY	1	59,770	28,119	61	15	10	0.120	0.135
322	Dothan, AL	1	59,766	43,226	88	14	7	0.489	0.093
323	Findlay, OH	2	59,644	37,975	51	12	19	0.454	0.278
324	Staunton--Waynesboro, VA	2	59,598	23,863	107	13	15	0.415	0.211
325	Hammond, LA	1	59,521	9,609	152	10	5	0.399	0.553
326	Harrisonburg, VA	1	59,450	43,800	70	10	24	0.519	0.203
327	Hanover, PA	1	59,417	34,685	87	14	13	0.465	0.380
328	Valdosta, GA	1	59,297	34,600	75	17	6	0.443	0.225
329	Cleveland, TN	1	59,151	36,975	85	13	8	0.442	0.220
330	Paducah, KY--IL	1	58,711	37,480	81	15	15	0.461	0.135
331	Jefferson City, MO	1	57,837	48,414	78	11	30	0.495	0.117
332	Wildwood--North Wildwood--Cape May, NJ	1	57,213	21,973	67	13	11	0.287	0.311
333	Cumberland, MD--WV	2	56,868	28,816	108	18	13	0.358	0.129
334	Bend, OR	1	56,576	20,891	73	10	6	0.306	0.114
335	Sandusky, OH	1	56,529	30,678	90	13	16	0.328	0.201
336	Ithaca, NY	1	55,942	46,698	64	14	5	0.489	0.097
337	Morgantown, WV	1	55,807	40,100	62	15	8	0.455	0.106
338	Wenatchee, WA	1	55,229	17,581	47	10	14	0.253	0.168
339	Danville, IL	1	55,211	28,900	99	17	6	0.353	0.116
340	Victoria, TX	1	54,796	27,042	29	14	3	0.381	0.266
341	Glens Falls, NY	1	54,754	28,405	72	13	10	0.452	0.385
342	Concord, NH	1	54,722	42,092	115	11	10	0.569	0.329
343	Sherman, TX	1	54,594	34,218	67	14	6	0.498	0.263
344	Mankato, MN	2	54,421	27,396	34	13	5	0.354	0.140
345	Cape Girardeau, MO	1	54,414	36,784	104	13	11	0.398	0.122
346	Danville, VA	1	54,213	30,440	59	15	9	0.442	0.219
347	Bangor, ME	1	53,969	47,663	61	16	12	0.545	0.138
348	Beaufort, SC	1	53,884	29,354	125	9	11	0.253	0.189
349	Flagstaff, AZ	1	53,861	35,617	68	12	8	0.297	0.124
350	Adrian, MI	1	53,375	28,106	104	11	14	0.460	0.367

Enumeration of KBMAs (ranks 301 to 350 of 361): “Max Dist” is the distance between the tract centroids that are farthest from each other. Tables with more detailed variables for KBMAs and analogous tables for KBMRs and KBUAs are available from the paper’s [webpage](#).

Rank	KBMA Title	Cores	Population	Employment	Land Area (sq.mi)	Tracts	Max Dist (mi)	Inflow Rate	Outflow Rate
351	Rome, GA	1	53,148	29,886	74	13	8	0.560	0.336
352	Hilo, HI	1	52,396	17,722	108	10	11	0.285	0.077
353	Greenville, MS	1	52,372	11,346	61	15	15	0.224	0.063
354	Ames, IA	1	51,944	33,734	40	14	16	0.368	0.253
355	Pine Bluff, AR	1	51,863	24,860	49	15	8	0.457	0.294
356	Richmond, IN	1	51,851	31,920	62	11	22	0.381	0.147
357	Carson City, NV	2	51,628	26,472	42	10	11	0.470	0.294
358	Hot Springs, AR	1	51,537	29,950	71	13	8	0.428	0.179
359	St. George, UT	1	51,194	12,551	79	11	8	0.308	0.346
360	Farmington, NM	1	51,115	18,870	95	11	13	0.342	0.136
361	Traverse City, MI	1	50,313	42,206	116	11	22	0.511	0.132

Enumeration of KBMAs (ranks 351 to 361 of 361): “Max Dist” is the distance between the tract centroids that are farthest from each other. Tables with more detailed variables for KBMAs and analogous tables for KBMRs and KBUAs are available from the paper’s [webpage](#).