

Supporting Information

Title: A Social Equity Analysis of the U.S. Public Transportation System Based on Job Accessibility

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18 pages (pdf)

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Table S1 presents auto-use, English speaking ability, and job accessibility (MJA) among block groups aggregated by median household income **Tables S2-S9** present linear regression model details for **Figure 3** and **Figure 4** in the main text. The dependent variable in each model is the logarithm of population-weighted mean job accessibility for the population in labor force (18-64 years old). The independent variables are income, income-squared, and, for MSA models, a dummy variable to control for specific MSAs. We developed separate regression models for each of the four largest race-ethnicity categories (White, Black, Hispanic, Asian) in eight location categories (small MSAs, lower-mid-size MSAs, upper-mid-size MSAs, large MSAs, low density MSAs, lower-mid-density MSAs, upper-mid-density MSAs, high-density MSAs), resulting in thirty-two total regression models. **Tables S10-S18** present a selection of the same models controlling for the percentage of populations with limited English speaking ability and the percentage of White populations living in the corresponding BGs. **Tables S19-S21** present information on MJA, LINW-HIW and Gini metrics for counties, and MJA of income deciles in MSAs.

Table S1 Auto-use, English speaking ability, and job accessibility (MJA) among block groups aggregated by median household income

Income in thousand USD	% Auto use		Non-auto use		% English speaking only		% Limited English speaking ability	
	% Population	MJA	MJA	% Population	MJA	% Population	MJA	
	0-25	67.2	47,400	181,397	66.2	72,151	15.4	133,590
25-50	79.1	25,095	120,696	66.6	35,197	11.3	69,265	
50-75	83.3	16,899	123,570	74.2	30,798	6.2	57,607	
75-100	83.8	16,045	182,385	77.1	43,641	3.9	64,186	
100-125	82.6	17,408	273,090	77.5	66,417	2.9	87,619	
125-150	79.6	20,073	349,934	76.1	92,544	2.7	112,562	
150-175	77.3	22,372	389,738	75.4	115,111	2.5	147,279	
175-200	76.9	21,814	380,788	74.7	112,057	2.1	157,727	
200-225	74.4	29,419	383,385	75.3	128,271	2.1	98,950	
225-250	76.1	32,118	193,228	75.8	78,176	1.7	63,486	

Table S2 Regression model results for MJA in small MSAs

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	8.103028	0.0000**	7.873564	0.0000**	7.840556	0.0000**	7.544565	0.0000**
Income ^e	-0.000020	0.0000**	-0.000024	0.0000**	-0.000024	0.0000**	-0.000022	0.0000**
Income sq ^e	8.52E-11	0.0000**	1.07E-10	0.0000**	9.8E-11	0.0000**	9.71E-11	0.0000**
<i>MSA-specific dummy variables^f</i>								
Milwaukee	0.8860564	0.0000**	1.2621280	0.0000**	1.2412630	0.0000**	1.4872460	0.0000**
Hartford	0.0941993	0.6030	0.7693521	0.6030	0.6825910	0.0000**	0.8638074	0.0000**
Buffalo	0.2352553	0.2220	0.9825047	0.2220	0.8833853	0.0000**	1.0115970	0.0000**
Providence	0.2455989	0.1900	1.0208240	0.1900	0.8981002	0.0000**	1.1806190	0.0000**
Cleveland	0.4283927	0.0200**	0.9904629	0.0200**	0.8284518	0.0000**	0.9795531	0.0000**
Virginia Beach	-0.2678239	0.1480	-0.1415123	0.1480	0.0209076	0.9130	0.2957826	0.1380
San Francisco	2.9204730	0.0000**	2.9165500	0.0000**	3.2144080	0.0000**	3.2778050	0.0000**
Tampa	0.2159189	0.2420	0.0514106	0.2420	0.4306068	0.0240**	0.6989692	0.0000**
Baltimore	0.5887122	0.0010**	0.9932230	0.0010**	0.9528080	0.0000**	1.2376390	0.0000**
Washington	3.4646580	0.0000**	2.9537840	0.0000**	3.4672630	0.0000**	3.8358360	0.0000**
San Jose	1.8316040	0.0000**	2.1198890	0.0000**	2.1109080	0.0000**	2.3305400	0.0000**
New Orleans	0.7057467	0.0000**	0.6668418	0.0000**	0.7615569	0.0000**	1.2952930	0.0000**
Charlotte	0.1675639	0.3570	0.2506311	0.3570	0.3366887	0.0740	0.5828080	0.0030**
Boston	2.2537720	0.0000**	2.7214730	0.0000**	2.9134030	0.0000**	2.9992560	0.0000**
Orlando	0.0109104	0.9550	0.0419782	0.9550	0.1508689	0.4580	0.4248949	0.0380**
Indianapolis	-0.0821895	0.6590	0.3692977	0.6590	0.3044886	0.1150	0.5870863	0.0040**

^a Number of objects = 1214, R-squared = 0.6309, Adjusted R-squared = 0.6253

^b Number of objects = 1138, R-squared = 0.6051, Adjusted R-squared = 0.5988

^c Number of objects = 1168, R-squared = 0.6426, Adjusted R-squared = 0.6370

^d Number of objects = 1190, R-squared = 0.6101, Adjusted R-squared = 0.6041

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Raleigh, NC.

Table S3 Regression model results for MJA in lower mid-size MSAs

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	8.7667360	0.0000**	9.0672750	0.0000**	8.896952	0.0000**	8.6227270	0.0000**
Income ^e	-0.0000244	0.0000**	-0.0000253	0.0000**	-0.000028	0.0000**	-0.0000244	0.0000**
Income sq ^e	9.38E-11	0.0000**	9.75E-11	0.0000**	1.03E-10	0.0000**	8.76E-11	0.0000**
<i>MSA-specific dummy variables^f</i>								
Miami	0.8332935	0.0000**	0.0605550	0.7000	0.5895286	0.0000**	-1.3323160	0.0000**
Columbus	0.0636903	0.6790	-0.3930786	0.0140**	0.0014836	0.9930**	0.13940090	0.4100**
Louisville	-0.6519278	0.0000**	-0.9084482	0.0000**	-0.7132300	0.0000**	-0.5411464	0.0020**
Cincinnati	-0.5933945	0.0000**	-0.7374575	0.0000**	-0.6025083	0.0000**	-0.5824239	0.0010**
San Diego	0.4999246	0.0010**	0.0478475	0.7680	0.3508886	0.0310**	-0.5349842	0.0010**
Austin	-0.3218671	0.0390**	-1.1168610	0.0000**	-0.3496395	0.0330**	0.47584490	0.0050**
Philadelphia	1.0085620	0.0000**	0.8646923	0.0000**	1.1733360	0.0000**	1.26369700	0.0000**
Los Angeles	1.9339890	0.0000**	1.5634230	0.0000**	1.8031820	0.0000**	1.94962200	0.0000**

^a Number of objects = 696, R-squared = 0.6337, Adjusted R-squared = 0.6284

^b Number of objects = 646, R-squared = 0.6337, Adjusted R-squared = 0.6279

^c Number of objects = 678, R-squared = 0.6525, Adjusted R-squared = 0.6472

^d Number of objects = 672, R-squared = 0.6284, Adjusted R-squared = 0.6227

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Detroit, MI.

Table S4 Regression model results for MJA in upper mid-size MSAs

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	8.8078950	0.0000**	8.6241520	0.0000**	8.6384620	0.0000**	8.6393530	0.0000**
Income ^e	-0.0000183	0.0000**	-0.0000207	0.0000**	-0.0000224	0.0000**	-0.0000194	0.0000**
Income sq ^e	6.97E-11	0.0000**	6.27E-11	0.0000**	7.72E-11	0.0000**	8.27E-11	0.0000**
<i>MSA-specific dummy variables^f</i>								
Birmingham	-1.339924	0.0000**	-1.2827140	0.0000**	-0.9291896	0.0000**	-1.3596050	0.0000**
Pittsburgh	-0.057642	0.7620	0.8358116	0.0000**	0.8858422	0.0000**	0.4200543	0.0470**
Seattle	1.199194	0.0000**	1.2835920	0.0000**	1.4832820	0.0000**	1.0873470	0.0000**
Nashville	-1.002377	0.0000**	-0.8060074	0.0000**	-0.9170363	0.0000**	-1.0911850	0.0000**
Minneapolis	0.6761781	0.0000**	1.1218860	0.0000**	0.8753790	0.0000**	0.8753907	0.0000**
New York	3.672013	0.0000**	3.7288370	0.0000**	4.1654660	0.0000**	3.8242920	0.0000**
Portland	0.8648599	0.0000**	1.1291930	0.0000**	1.0647410	0.0000**	0.8748510	0.0000**

^a Number of objects = 595, R-squared = 0.6899, Adjusted R-squared = 0.6852

^b Number of objects = 547, R-squared = 0.6474, Adjusted R-squared = 0.6415

^c Number of objects = 571, R-squared = 0.6813, Adjusted R-squared = 0.6761

^d Number of objects = 576, R-squared = 0.6661, Adjusted R-squared = 0.6608

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Sacramento, CA.

Table S5 Regression model results for MJA in large MSAs

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	9.614212	0.0000**	9.5021030	0.0000**	9.7710510	0.0000**	9.5021030	0.0000**
Income ^e	-0.0000201	0.0000**	-0.0000236	0.0000**	-0.0000253	0.0000**	-0.0000223	0.0000**
Income sq ^e	1.03E-10	0.0000**	1.22E-10	0.0000**	1.23E-10	0.0000**	1.19E-10	0.0000**
<i>MSA-specific dummy variables^f</i>								
San Antonio	-1.3424090	0.0000**	-1.6657710	0.0000**	-1.5905500	0.0000**	-1.2820190	0.0000**
Las Vegas	-1.3372590	0.0000**	-1.3268390	0.0000**	-1.4766390	0.0000**	-1.2545900	0.0000**
Kansas	-1.1142110	0.0000**	-1.0473490	0.0000**	-1.0410680	0.0000**	-1.0677170	0.0000**
Denver	-0.0849941	0.6120	0.0794941	0.6690	-0.3530742	0.0400**	-0.3438913	0.0400**
Atlanta	-0.9091836	0.0000**	-1.0457330	0.0000**	-1.0192610	0.0000**	-0.9921432	0.0000**
Dallas	-0.4760806	0.0030**	-0.8123792	0.0000**	-0.5452577	0.0010**	-0.4864097	0.0020**
Houston	0.2145446	0.1810	-0.1266704	0.4790	0.1855059	0.2600	0.1120054	0.4840
Salt Lake	-0.7183238	0.0000**	-0.4577249	0.0270**	-0.6422812	0.0010**	-0.7816410	0.0000**
Phoenix	-0.8524914	0.0000**	-0.6401969	0.0010**	-0.8274194	0.0000**	-0.7105725	0.0000**
Riverside	-1.7055570	0.0000**	-1.4546460	0.0000**	-1.5504820	0.0000**	-1.4731890	0.0000**

^a Number of objects = 903, R-squared = 0.3670, Adjusted R-squared = 0.3584

^b Number of objects = 832, R-squared = 0.3906, Adjusted R-squared = 0.3816

^c Number of objects = 874, R-squared = 0.4321, Adjusted R-squared = 0.4242

^d Number of objects = 883, R-squared = 0.3812, Adjusted R-squared = 0.3727

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Chicago, IL.

Table S6 Regression model results for MJA in low-density MSAs

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	8.080575	0.0000**	8.204145	0.0000**	8.41793	0.0000**	8.251156	0.0000**
Income ^e	-0.0000254	0.0000**	-0.0000295	0.0000**	-0.0000295	0.0000**	-0.0000272	0.0000**
Incom sq ^e	1.12E-10	0.0000**	1.41E-10	0.0000**	1.18E-10	0.0000**	1.22E-10	0.0000**
<i>MSA-specific dummy variables ^f</i>								
Salt Lake	1.0017750	0.0000**	0.9576845	0.0000**	0.9261622	0.0000**	0.6852965	0.0000*
Birmingh.	-0.4364899	0.0200**	-0.7260827	0.0000*	-0.4677032	0.0210**	-0.7608933	0.0000**
Las Vegas	0.3421760	0.0690	0.0924798	0.6320	0.0456671	0.8150	0.1941898	0.3090
Phoenix	0.8758105	0.0000**	0.8251869	0.0000**	0.7564663	0.0000**	0.7783905	0.0000**
San A.	0.3779824	0.0380**	-0.2202649	0.2460	-0.0401197	0.8340	0.2039508	0.2710
Kansas	0.6134662	0.0010**	0.3972905	0.0330**	0.5345774	0.0040**	0.4097073	0.0260**
Nashville	-0.0995130	0.5750	-0.2743720	0.1420	-0.4689382	0.0120**	-0.4893545	0.0080**
Louisville	0.0588511	0.7510	-0.0204690	0.9150	-0.1819156	0.3580	-0.1464566	0.4490
Denver	1.6677680	0.0000**	1.5542290	0.0000**	1.2540870	0.0000**	1.1786950	0.0000**
Portland	1.7884350	0.0000**	1.7199230	0.0000**	1.5206090	0.0000**	1.4929670	0.0000**
New O.	0.9366773	0.0000**	0.5572121	0.0040**	0.4382657	0.0300**	0.8173737	0.0000**
Sacramento	0.9208706	0.0000**	0.5601863	0.0030**	0.4614665	0.0140**	0.6213146	0.0010**
Austin	0.3597929	0.0460**	-0.2335824	0.2160	0.1640404	0.3790	-0.1174190	0.5210
Pittsburgh	0.8573791	0.0000**	1.3926470	0.0000**	1.3295860	0.0000**	1.0210250	0.0000**
Columbus	0.7456463	0.0000**	0.4627315	0.0120**	0.5179823	0.0050**	0.2412056	0.1920
Indiana.	0.1493908	0.4210	0.2656627	0.1620	-0.0009018	0.9960	0.1070033	0.5750
Cincinnati	0.0932714	0.6060	0.1276899	0.4940	-0.0868274	0.6420	-0.2122623	0.2520
Raleigh	0.2472186	0.1830	-0.0898828	0.6340	-0.2868384	0.1350	-0.4638181	0.0140**
Charlotte	0.3998795	0.0270**	0.1428003	0.4430	0.0463471	0.8070	0.1050891	0.5690

^a Number of objects = 1,337, R-squared = 0.5242, Adjusted R-squared = 0.5166

^b Number of objects = 1,231, R-squared = 0.5843, Adjusted R-squared = 0.5771

^c Number of objects = 1,276, R-squared = 0.5767, Adjusted R-squared = 0.5696

^d Number of objects = 1,287, R-squared = 0.5473, Adjusted R-squared = 0.5398

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Riverside, CA.

Table S7 Regression model results for MJA in lower-medium-density MSAs

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	8.731889	0.0000**	8.541503	0.0000**	8.745401	0.0000**	8.541503	0.0000**
Income ^e	-0.000019	0.0000**	-0.0000227	0.0000**	-0.0000232	0.0000**	-0.0000211	0.0000**
Income sq ^e	8.67E-11	0.0000**	9.09E-11	0.0000**	1.02E-10	0.0000**	9.82E-11	0.0000**
<i>MSA-specific dummy variables^f</i>								
Seattle	0.6852965	0.0000**	1.3679110	0.0000**	1.315565	0.0000**	1.176280	0.0000**
Virginia	-0.7608933	0.0000**	-0.6941481	0.0000**	-0.8180262	0.0000**	-0.6682318	0.0000**
Orlando	0.1941898	0.0030**	-0.4927625	0.0140**	-0.6718932	0.0010**	-0.5383045	0.0060**
Minneap.	0.7783905	0.0000**	1.210218	0.0000**	0.7437575	0.0000**	0.9748485	0.0000**
Houston	0.2039508	0.0000**	0.9327692	0.0000**	1.2197910	0.0000**	1.1369230	0.0000**
San Jose	0.4097073	0.0000**	1.5383330	0.0000**	1.1895720	0.0000**	1.2740420	0.0000**
San Diego	-0.4893545	0.0480**	0.4728474	0.0100**	0.2925762	0.0900	0.3699998	0.0410**
Dallas	-0.1464566	0.0050**	0.2901981	0.0880	0.4953184	0.0020**	0.5453037	0.0010**
Buffalo	1.178695	0.0960	0.4566606	0.0220**	0.0836693	0.6610	0.0716490	0.7180
Hartford	1.492967	0.0030**	0.2074748	0.2580	-0.1711436	0.3320	-0.1284842	0.4840
Miami	0.8173737	0.0000**	0.4757735	0.0070**	0.4774687	0.0040**	1.1155620	0.0000**

^a Number of objects = 921, R-squared = 0.4467, Adjusted R-squared = 0.4388

^b Number of objects = 847, R-squared = 0.5002, Adjusted R-squared = 0.4924

^c Number of objects = 887, R-squared = 0.5019, Adjusted R-squared = 0.4945

^d Number of objects = 902, R-squared = 0.4430, Adjusted R-squared = 0.4348

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Atlanta, GA.

Table S8 Regression model results for MJA in upper-medium-density MSAs

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	8.382283	0.0000**	8.008567	0.0000**	8.33532	0.0000**	8.302654	0.0000**
Income ^e	-0.0000192	0.0000**	-0.0000214	0.0000**	-0.0000244	0.0000**	-0.0000206	0.0000**
Income sq ^e	6.68E-11	0.0000**	7.36E-11	0.0000**	9.03E-11	0.0000**	7.76E-11	0.0000**
<i>MSA-specific dummy variables^b</i>								
Detroit	0.2480023	0.1500	0.1991221	0.0000**	0.3843270	0.0400**	0.1500615	0.4340
Cleveland	0.2212342	0.2140	0.2049523	0.0000**	0.4016948	0.0370**	0.2919787	0.1350
Washington	3.280541	0.0000**	0.1915374	0.0000**	3.0737110	0.0000**	3.1482360	0.0000**
Baltimore	0.3854646	0.0220**	0.1945919	0.0000**	0.5409615	0.0030**	0.5377846	0.0040**
Milwaukee	0.3854646	0.0000**	0.2097933	0.0000**	0.8091561	0.0000**	0.7864145	0.0000**
Providence	0.6702984	0.9080	0.2157644	0.0000**	0.4592430	0.0210**	0.4753908	0.0170**
Chicago	2.380939	0.0000**	0.1931311	0.0000**	2.6654170	0.0000**	2.3105640	0.0000**
Philadelphia	1.246891	0.0000**	0.1941026	0.0000**	1.5470330	0.0000**	1.3892230	0.0000**
San F.	2.734296	0.0000**	0.1930999	0.0000**	2.8180640	0.0000**	2.5886990	0.0000**

^a Number of objects = 793, R-squared = 0.6471, Adjusted R-squared = 0.6421

^b Number of objects = 744, R-squared = 0.5542, Adjusted R-squared = 0.5475

^c Number of objects = 776, R-squared = 0.6372, Adjusted R-squared = 0.6320

^d Number of objects = 902, R-squared = 0.5886, Adjusted R-squared = 0.5827

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Tampa, FL.

Table S9 Regression model results for MJA in high-density MSAs

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	10.37984	0.0000**	10.59254	0.0000**	10.79925	0.0000**	10.54014	0.0000**
Income ^a	-0.0000121	0.0000**	-0.00000996	0.0000**	-0.0000146	0.0000**	-0.0000102	0.0000**
Income sq.	2.35E-11	0.0710	6.38E-12	0.6810**	2.45E-11	0.0800**	1.16E-11	0.4240**
<i>MSA-specific dummy variables^f</i>								
L.A.	0.1131162	0.4290**	-0.1806613	0.2900**	-0.3357801	0.0290**	-0.235022	0.1450**
N.Y.	2.1111460	0.0000**	1.6115860	0.0000**	1.9845790	0.0000**	1.9806510	0.0000**

^a Number of objects = 290, R-squared = 0.5884, Adjusted R-squared = 0.5826

^b Number of objects = 281, R-squared = 0.4431, Adjusted R-squared = 0.4350

^c Number of objects = 289, R-squared = 0.6182, Adjusted R-squared = 0.6128

^d Number of objects = 288, R-squared = 0.5365, Adjusted R-squared = 0.5300

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Boston, MA.

Table S10 Regression model results for MJA in low-density MSAs including the percentage of White populations

Variable	Blacks ^a		Asians ^b		Hispanics ^c	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	8.184225	0.0000**	8.219709	0.0000**	8.41793	0.0000**
Income ^d	-0.0000298	0.0000**	-0.0000317	0.0000**	-0.0000295	0.0000**
Income sq ^d	1.43E-10	0.0000**	1.30E-10	0.0000**	1.18E-10	0.0000**
%White	0.0005187	0.8650	0.0051945	0.0970	0.003438	0.2460
<i>MSA-specific dummy variables^e</i>						
Salt Lake	0.9379516	0.0000**	0.7353962	0.0010**	0.5596103	0.0110**
Birmingham.	-0.7413183	0.0010**	-0.6363651	0.0050**	-0.8669863	0.0000**
Las Vegas	0.0841764	0.6730	-0.0359887	0.8580	0.1388374	0.4800
Phoenix	0.8124788	0.0000**	0.6259189	0.0020**	0.6939988	0.0000**
San A.	-0.2230738	0.2420	-0.0710785	0.7110	0.1809307	0.3320
Kansas	0.3801513	0.0730	0.3623396	0.0900	0.2960708	0.1560
Nashville	-0.2926408	0.1750	-0.6552453	0.0030**	-0.6093843	0.0040**
Louisville	-0.0404886	0.8570	-0.3857388	0.0980	-0.2796400	0.2140
Denver	1.5395010	0.0000**	1.1072750	0.0000**	1.0819520	0.0000**
Portland	1.7016960	0.0000**	1.3388750	0.0000**	1.3726560	0.0000**
New O.	0.5456930	0.0080**	0.3240949	0.1290	0.7376131	0.0000**
Sacramento	0.5508668	0.0050**	0.3710341	0.0560	0.5612339	0.0030**
Austin	-0.2448621	0.2220	0.0516673	0.7940	-0.1922972	0.3220
Pittsburgh	1.3705770	0.0000**	1.1118730	0.0000**	0.8782888	0.0000**
Columbus	0.4430008	0.0410**	0.3244083	0.1390	0.1141271	0.5950
Indiana.	0.2469641	0.2600	-0.1891842	0.4000	-0.0169146	0.9380
Cincinnati	0.1073761	0.6280	-0.2848843	0.1990	-0.3444560	0.1130
Raleigh	-0.1031294	0.6140	-0.4191551	0.0430**	-0.5507518	0.0070**
Charlotte	0.1283442	0.5300	-0.0957430	0.6450	0.0092841	0.9630

^a Number of objects = 1,231, R-squared = 0.5843, Adjusted R-squared = 0.5767

^b Number of objects = 1,276, R-squared = 0.5776, Adjusted R-squared = 0.5702

^c Number of objects = 1,276, R-squared = 0.5478, Adjusted R-squared = 0.5400

^d Income is the median household income, transformed by subtracting the group's mean household income.

^e The reference MSA (for which the MSA specific dummy variable = 0) is Riverside, CA.

Table S11 Regression model results for MJA in low-density MSAs including the percentage of populations with limited English speaking ability

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coeffi.	P> t	Coeffi.	P> t	Coeffi.	P> t	Coeffi.	P> t
Intercept	8.04862	0.0000**	8.185289	0.0000**	8.505626	0.0000**	8.246841	0.0000**
Income ^e	-0.000025	0.0000**	-0.0000293	0.0000**	-0.0000304	0.0000**	-0.0000272	0.0000**
Incom sq ^e	1.10E-10	0.0000**	1.40E-10	0.0000**	1.23E-10	0.0000**	1.21E-10	0.0000**
%Lim Eng	0.0049606	0.5740	0.0029402	0.7470	-0.0135228	0.2460	0.0006669	0.9460
<i>MSA-specific dummy variables ^f</i>								
Salt Lake	1.013443	0.0000**	0.9647922	0.0000**	0.8951374	0.0000**	0.6868126	0.0000**
Birmingh.	-0.41055	0.0340**	-0.7099022	0.0000**	-0.5328677	0.0110**	-0.7574818	0.0000**
Las Vegas	0.3415509	0.0700	0.0916075	0.6350	0.0481905	0.8050	0.1941148	0.3090
Phoenix	0.8826523	0.0000**	0.8291094	0.0000**	0.7281702	0.0000**	0.7792491	0.0000**
San A.	0.3839459	0.0360**	-0.2170297	0.2530	-0.0558448	0.7700	0.2047288	0.2700
Kansas	0.6331503	0.0010**	0.4093733	0.0310**	0.4817483	0.0120**	0.4123777	0.0290**
Nashville	-0.0778689	0.6680	-0.2608705	0.1730	-0.5253839	0.0070**	-0.4864317	0.0100**
Louisville	0.0832843	0.6630	-0.0052651	0.9790	-0.2476438	0.2290	-0.14317	0.4730
Denver	1.679763	0.0000**	1.561213	0.0000**	1.221941	0.0000**	1.180271	0.0000**
Portland	1.802206	0.0000**	1.728158	0.0000**	1.482986	0.0000**	1.494822	0.0000**
New O.	0.9581051	0.0000**	0.5706156	0.0040**	0.3776466	0.0710	0.8202653	0.0000**
Sacramento	0.9251287	0.0000**	0.5631928	0.0030**	0.4508369	0.0160**	0.6218887	0.0010**
Austin	0.3684433	0.0420**	-0.2287533	0.2280	0.1405808	0.4530	-0.1162511	0.5270
Pittsburgh	0.8818889	0.0000**	1.407994	0.0000**	1.26218	0.0000**	1.024378	0.0000**
Columbus	0.7600837	0.0000**	0.4718819	0.0110**	0.4714517	0.0130**	0.2435194	0.1950
Indiana.	0.1701979	0.3690	0.2782623	0.1510	-0.0564479	0.7780	0.1098372	0.5740
Cincinnati	0.1226203	0.5150	0.1458365	0.4550	-0.1667926	0.4020	-0.2082564	0.2840
Raleigh	0.2601314	0.1650	-0.0820887	0.6660	-0.3220578	0.0970	-0.4620934	0.0160**
Charlotte	0.4175272	0.0230**	0.1535302	0.4170	-0.0008902	0.9960	0.1074688	0.5680

^a Number of objects = 1,337, R-squared = 0.5244, Adjusted R-squared = 0.5164

^b Number of objects = 1,231, R-squared = 0.5843, Adjusted R-squared = 0.5768

^c Number of objects = 1,276, R-squared = 0.5771, Adjusted R-squared = 0.5697

^d Number of objects = 1,287, R-squared = 0.5473, Adjusted R-squared = 0.5395

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Riverside, CA.

Table S12 Regression model results for MJA in lower-medium-density MSAs including the percentage of White populations

Variable	Blacks ^a		Asians ^b		Hispanics ^c	
	Coeffic.	P> t	Coeffic.	P> t	Coeffic.	P> t
Intercept	8.462344	0.0000**	8.152534	0.0000**	8.165667	0.0000**
Income ^d	-0.0000233	0.0000**	-0.000028	0.0000**	-0.0000245	0.0000**
Income sq ^d	9.41e-11	0.0000**	1.25e-10	0.0000**	1.14e-10	0.0000**
%White	0.0013763	0.8650	0.0103782	0.7290	0.007158	0.0550
<i>MSA-specific dummy variables ^e</i>						
Seattle	1.360891	0.0000**	1.2698640	0.0000**	1.1436300	0.0000**
Virginia Beach	-0.6943061	0.0000**	-0.8412290	0.0000**	-0.6719429	0.0000**
Orlando	-0.5047143	0.0130**	-0.7583930	0.0000**	-0.5985770	0.0030**
Minneap.	1.188527	0.0000**	0.5806866	0.0010**	0.8654328	0.0000**
Houston	0.9461921	0.0000**	1.3050520	0.0000**	1.2005770	0.0000**
San Jose	1.574933	0.0000**	1.4698440	0.0000**	1.4729170	0.0000**
San Diego	0.4809015	0.0090**	0.3488933	0.0430**	0.4099392	0.0240**
Dallas	0.2917598	0.0870	0.5038435	0.0020**	0.5550392	0.0010**
Buffalo	0.4267191	0.0490**	-0.1382881	0.4990	-0.0768491	0.7180
Hartford	0.1943472	0.3000	-0.2695428	0.1320	-0.1915570	0.3040
Miami	0.4969291	0.0080**	0.6321557	0.0000**	1.2301720	0.0000**

^a Number of objects = 847, R-squared = 0.5003, Adjusted R-squared = 0.4919

^b Number of objects = 887, R-squared = 0.5069, Adjusted R-squared = 0.4989

^c Number of objects = 902, R-squared = 0.4453, Adjusted R-squared = 0.4365

^d Income is the median household income, transformed by subtracting the group's mean household income.

^e The reference MSA (for which the MSA specific dummy variable = 0) is Atlanta, GA.

Table S13 Regression model results for MJA in lower-medium-density MSAs including the percentage of populations with limited English speaking ability

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coeffi.	P> t	Coeffi.	P> t	Coeffi.	P> t	Coeffi.	P> t
Intercept	8.744076	0.0000**	8.552654	0.0000**	8.757332	0.0000**	8.593268	0.0000**
Income ^e	-0.0000191	0.0000**	-0.0000229	0.0000**	-0.0000233	0.0000**	-0.0000213	0.0000**
Incom sq ^e	8.63e-11	0.0000**	9.23e-11	0.0000**	1.03e-10	0.0000**	9.86e-11	0.0000**
%Lim Eng	-0.0033331	0.0090**	-0.0029094	0.0720	-0.0031365	0.0200**	-0.0041053	0.0040**
<i>MSA-specific dummy variables ^f</i>								
Seattle	1.2503290	0.0000**	1.3739500	0.0000**	1.3216610	0.0000**	1.183515	0.0000**
Virginia B.	-0.8534072	0.0000**	-0.701189	0.0000**	-0.8248394	0.0000**	-0.6774103	0.0000**
Orlando	-0.5546562	0.0030**	-0.4939098	0.0140**	-0.6716470	0.0010**	-0.5378962	0.0060**
Minneap.	0.7444814	0.0000**	1.2120190	0.0000**	0.7457340	0.0000**	0.9772430	0.0000**
Houston	1.1484570	0.0000**	0.9427541	0.0000**	1.2299620	0.0000**	1.1493750	0.0000**
San Jose	1.1901650	0.0000**	1.5647370	0.0000**	1.2167750	0.0000**	1.3093170	0.0000**
San Diego	0.3522790	0.0380**	0.4865550	0.0080**	0.3071735	0.0740	0.3888842	0.0310**
Dallas	0.4588197	0.0040**	0.2958199	0.0820	0.5010637	0.0020**	0.5525007	0.0010**
Buffalo	0.7079369	0.1230	1.2938470	0.0180**	1.0538430	0.0300**	1.3336120	0.0090**
Hartford	-0.5004106	0.0040**	0.2159269	0.2390	-0.1627444	0.3550	-0.1168407	0.5230
Miami	0.6435164	0.0000**	0.4963489	0.0050**	0.4979891	0.0030**	1.1426830	0.0000**

^a Number of objects = 916, R-squared = 0.4518, Adjusted R-squared = 0.4433

^b Number of objects = 842, R-squared = 0.5027, Adjusted R-squared = 0.4943

^c Number of objects = 882, R-squared = 0.5049, Adjusted R-squared = 0.4969

^d Number of objects = 897, R-squared = 0.4485, Adjusted R-squared = 0.4397

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Atlanta, GA.

Table S14 Regression model results for MJA in upper-medium-density MSAs including the percentage of White populations

Variable	Blacks ^a		Asians ^b		Hispanics ^c	
	Coeffic.	P> t	Coeffic.	P> t	Coeffic.	P> t
Intercept	7.496065	0.0000**	8.455924	0.0000**	7.961064	0.0000**
Income ^d	-0.0000251	0.0000**	-0.0000235	0.0000**	-0.000023	0.0000**
Income sq ^d	9.06e-11	0.0000**	8.66e-11	0.0000**	8.84e-11	0.0000**
%White	0.0074158	0.0420**	-0.0017605	0.6130	0.0049908	0.1560
<i>MSA-specific dummy variables ^e</i>						
Detroit	0.9614928	0.0000**	0.3795628	0.0430**	0.1579938	0.4100
Cleveland	0.9341943	0.0000**	0.4076378	0.0350**	0.2776268	0.1550
Washington DC	3.1240800	0.0000**	3.0299560	0.0000**	3.2722060	0.0000**
Baltimore	1.041098	0.0000**	0.5200128	0.0050**	0.5969388	0.0020**
Milwaukee	1.177267	0.0000**	0.8168142	0.0000**	0.7658685	0.0000**
Providence	0.8869316	0.0000**	0.4793256	0.0180**	0.4196324	0.0390**
Chicago	2.856887	0.0000**	2.6482970	0.0000**	2.3616180	0.0000**
Philadelphia	1.837109	0.0000**	1.5400940	0.0000**	1.4091190	0.0000**
Sanfrancisco	3.090611	0.0000**	2.7716680	0.0000**	2.7184710	0.0000**

^a Number of objects = 744, R-squared = 0.5567, Adjusted R-squared = 0.5495

^b Number of objects = 847, R-squared = 0.6373, Adjusted R-squared = 0.6316

^c Number of objects = 778, R-squared = 0.5897, Adjusted R-squared = 0.5833

^d Income is the median household income, transformed by subtracting the group's mean household income.

^e The reference MSA (for which the MSA specific dummy variable = 0) is Tampa, FL.

Table S15 Regression model results for MJA in upper-medium-density MSAs including the percentage of populations with limited English speaking ability

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	8.359445	0.0000**	8.06841	0.0000**	8.37232	0.0000**	8.357883	0.0000**
Income ^e	-0.0000188	0.0000**	-.0000225	0.0000**	-.000025	0.0000**	-0.0000216	0.0000**
Incom sq ^e	6.48e-11	0.0000**	7.88e-11	0.0000**	9.34e-11	0.0000**	8.20e-11	0.0000**
%Lim Eng	0.0075695	0.2210	-.0199955	0.1020	-.0117915	0.3140	-0.017779	0.1370
<i>MSA-specific dummy variables ^f</i>								
Detroit	0.2338368	0.1760	.9402242	0.0000**	.3845943	0.0400**	0.1481248	0.4390
Cleveland	0.2308712	0.1950	.9269442	0.0000**	.3859033	0.0460**	0.2672595	0.1720
Washington DC	3.2700670	0.0000**	2.968385	0.0000**	3.090987	0.0000**	3.1757300	0.0000**
Baltimore	0.3809465	0.0240**	.9642801	0.0000**	.5477772	0.0030**	0.5496859	0.0030**
Milwaukee	0.6767637	0.0000**	1.186074	0.0000**	.7975795	0.0000**	0.7712778	0.0000**
Providence	0.0058082	0.9750	1.021348	0.0000**	.4833432	0.0160**	0.5112896	0.0110**
Chicago	2.3708920	0.0000**	2.80528	0.0000**	2.683243	0.0000**	2.3353890	0.0000**
Philadelphia	1.2436400	0.0000**	1.816466	0.0000**	1.552478	0.0000**	1.3974660	0.0000**
Sanfrancisco	2.691115	0.0000**	3.011047	0.0000**	2.886993	0.0000**	2.6929130	0.0000**

^a Number of objects = 793, R-squared = 0.6477, Adjusted R-squared = 0.6423

^b Number of objects = 744, R-squared = 0.5559, Adjusted R-squared = 0.5486

^c Number of objects = 776, R-squared = 0.6377, Adjusted R-squared = 0.6320

^d Number of objects = 778, R-squared = 0.5898, Adjusted R-squared = 0.5834

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Tampa, FL.

Table S16 Regression model results for MJA in high-density MSAs including the percentage of White populations

Variable	Blacks ^a		Asians ^b		Hispanics ^c	
	Coeffic.	P> t	Coeffic.	P> t	Coeffic.	P> t
Intercept	9.147775	0.0000**	9.384621	0.0000**	8.872653	0.0000**
Income ^d	-0.0000207	0.0000**	-0.0000249	0.0000**	-0.0000226	0.0000**
Income sq ^d	5.34e-11	0.0270**	6.77e-11	0.0010**	6.41e-11	0.0030**
%White	0.0219362	0.0120**	0.0215374	0.0040**	0.0255724	0.0010**
<i>MSA-specific dummy variables ^e</i>						
Los Angeles	0.3101559	0.2280	0.1405556	0.5280	0.3119554	0.1780
New York	1.8889400	0.0000**	2.2632480	0.0000**	2.2994460	0.0000**

^a Number of objects = 281, R-squared = 0.4558, Adjusted R-squared = 0.4460

^b Number of objects = 289, R-squared = 0.6294, Adjusted R-squared = 0.6228

^c Number of objects = 288, R-squared = 0.5532, Adjusted R-squared = 0.5453

^d Income is the median household income, transformed by subtracting the group's mean household income.

^e The reference MSA (for which the MSA specific dummy variable = 0) is Boston, MA.

Table S17 Regression model results for MJA in high-density MSAs including the percentage of populations with limited English speaking ability

Variable	Whites ^a		Blacks ^b		Asians ^c		Hispanics ^d	
	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t	Coefficient	P> t
Intercept	10.51044	0.0000**	10.68072	0.0000**	10.58353	0.0000**	10.53645	0.0000**
Income ^e	-0.0000148	0.0000**	-0.0000118	0.0020**	-0.0000101	0.0060**	-0.0000101	0.0050**
Incom sq ^e	3.68e-11	0.0650	1.52e-11	0.4970	2.70e-12	0.8970	1.13e-11	0.5900
%Lim Eng	-0.0163599	0.3770	-0.0110322	0.5830	0.027243	0.1630	.0004587	0.9810
<i>MSA-specific dummy variables ^f</i>								
Los Angeles	0.152031	0.3100	-0.1543087	0.3840	-0.4085893	0.0120	-2360903	0.1590
New York	2.137208	0.0000**	1.625966	0.0000**	1.946445	0.0000**	1.980059	0.0000**

^a Number of objects = 290, R-squared = 0.5895, Adjusted R-squared = 0.5823

^b Number of objects = 281, R-squared = 0.4437, Adjusted R-squared = 0.4336

^c Number of objects = 289, R-squared = 0.6208, Adjusted R-squared = 0.6141

^d Number of objects = 288, R-squared = 0.5365, Adjusted R-squared = 0.5283

^e Income is the median household income, transformed by subtracting the group's mean household income.

^f The reference MSA (for which the MSA specific dummy variable = 0) is Boston, MA.

Table S18 Pearson correlation coefficients among equality and justice metrics and selected variables

Variables	The Gini Index	LINW-HIW	Median income	Percent White	Total population	Area	Transit ridership	Worker density
LINW-HIW	0.1531							
Median Income	0.1836	-0.0733						
Percent White	-0.1988	0.1713	-0.2678					
Total population	0.1104	-0.3163	0.1018	-0.2078				
Area	0.1620	-0.2497	-0.1237	-0.2726	0.0321			
Transit ridership	0.0920	-0.0642	0.4680	-0.1562	0.1631	-0.0917		
Worker density	0.0102	-0.0967	0.3720	-0.2116	0.1668	-0.2947	0.7452	
MJA	0.0316	-0.0530	0.4225	-0.2324	0.2131	-0.0433	0.9427	0.7339

Table S19 Job accessibility of income deciles

MSA	Workers	Decile 1	Decile 2	Decile 3	Decile 4	Decile 5	Decile 6	Decile 7	Decile 8	Decile 9	Decile 10
NEW YORK	18717645	275979.49	199504.80	204261.37	185548.42	161728.79	163976.44	179967.33	228001.63	270968.00	352266.56
WASHINGTON	3331887	82087.40	54856.81	52333.55	73684.64	92116.75	111519.49	103437.28	99866.33	85422.72	70433.96
SAN FRANCISCO	4432546	133622.00	61177.68	79557.03	50838.74	56806.00	55592.74	68225.27	72334.47	62854.47	38847.38
CHICAGO	9513852	69297.69	46231.74	44530.17	39699.46	31575.34	46104.20	57313.76	65170.41	72758.92	64021.47
LOS ANGELES	13022479	135006.92	86847.73	57306.82	40727.11	36831.15	34398.49	33241.91	31322.15	20151.13	14915.67
BOSTON	4631090	91435.27	54867.70	52276.58	43529.75	41119.73	26141.69	41175.43	38808.61	36651.43	25327.36
PHILADELPHIA	5996728	148396.68	85459.07	61666.97	35344.54	31284.94	24001.06	28617.25	17277.79	12770.26	7175.53
SEATTLE	3549931	47976.37	23596.62	31872.40	31721.89	26367.14	28034.56	25781.02	22766.38	21413.11	15788.26
MILWAUKEE	1565368	66195.41	42068.28	35123.94	21875.76	18100.99	21221.32	9835.38	12389.23	3578.85	3873.05
MINNEAPOLIS	3348230	77041.84	39061.34	28124.05	18163.65	11862.39	13524.14	30463.89	8238.88	7628.61	5416.91
DENVER	2649945	44656.69	31684.78	30108.75	26166.96	26221.87	22328.74	13188.08	10429.71	10767.15	8536.38
PORTLAND	2287156	38528.79	27255.48	21017.12	23184.95	20898.38	13206.06	16221.42	15827.61	12326.07	13802.43
BALTIMORE	2739209	65612.84	38644.11	19686.78	16355.80	8223.20	7404.72	5534.82	6899.92	5598.75	2917.15
SAN JOSE	1897750	25835.18	25477.87	22774.62	17614.51	16837.85	16378.04	15638.31	16470.08	12398.78	7617.82
MIAMI	5757645	37885.34	19412.61	21221.13	14830.28	14181.05	12250.71	11708.39	15126.30	8894.03	10020.39
HOUSTON	6210155	25724.54	16290.39	13975.15	12972.55	12736.86	9312.69	15503.10	14153.13	16840.79	18360.31
PITTSBURGH	2348387	40113.85	18090.55	15677.28	10311.16	16873.15	7190.77	7269.77	8212.09	8119.45	5737.14
SALT LAKE	1159069	36072.90	33055.86	22724.75	12802.89	12554.15	10644.69	7069.19	6359.86	4884.97	5459.66
SAN DIEGO	3166418	24842.16	20681.00	18917.68	14605.24	14272.16	14088.42	10144.99	7223.34	4863.74	3361.91
BUFFALO	1122332	31532.92	24331.72	16021.00	13187.61	10292.35	7394.04	7917.75	7231.47	3970.33	3170.56
HARTFORD	1209600	56156.79	23190.43	17490.45	10868.79	8101.61	6002.69	3046.47	4010.68	3022.46	3211.53
COLUMBUS	1869985	34368.19	17026.70	9650.88	7055.44	9794.53	7010.14	12226.09	5396.32	4652.36	3065.17
SACRAMENTO	2197347	27836.73	14456.16	16163.35	14411.48	11557.14	7782.10	5955.36	4986.01	4093.53	6361.23
PROVIDENCE	1599909	27678.52	20300.15	18734.51	10482.92	11162.27	5857.31	7196.53	2310.80	3014.27	3203.09
PHOENIX	4314926	26160.91	17751.44	15723.89	11361.07	12275.71	7286.26	5229.09	5437.97	4547.54	3976.99
CLEVELAND	2066802	36470.59	16009.28	12235.37	9380.72	7302.75	5663.50	6829.32	3598.20	2108.82	2597.73
SAN ANTONIO	2237157	27386.21	17522.30	17333.62	13358.64	8411.50	4153.22	3586.41	2535.34	2293.48	3042.53
AUSTIN	64438053	36031.18	9903.33	8770.33	8648.84	4905.30	8288.49	6012.12	3175.62	820.99	102.46
NEW ORLEANS	1203047	21846.92	10484.72	9609.65	8200.25	6310.87	8432.55	6364.73	9803.15	7581.49	5670.99
LAS VEGAS	1995463	21335.72	22063.98	12059.28	7767.13	6258.54	6612.32	4171.16	3298.26	3229.58	2297.75
ATLANTA	5446311	18724.87	13057.52	7275.16	4987.72	5924.12	8744.39	4819.56	9522.10	5198.41	5389.18
DETROIT	4289935	17928.96	10619.11	9519.20	8487.26	6560.04	5277.82	5155.64	4643.62	4018.67	3092.78
LOUISVILLE	1302795	28262.95	13546.97	7953.46	4612.25	5343.39	5202.17	4164.35	3182.21	2667.11	2409.76
INDIANAPOLIS	1800494	22709.78	12853.20	7855.63	10661.45	7580.00	3046.78	2332.46	3356.00	1600.26	1662.01
CINCINNATI	2100965	28076.87	10839.27	6135.35	6282.56	3538.54	4599.55	2918.93	2785.25	3528.68	1645.50
KANSAS	2066346	22237.30	17197.36	11475.22	8923.87	7845.00	6155.28	5968.47	5499.45	3477.97	4896.97
CHARLOTTE	1827543	15139.52	7819.55	5168.30	6359.08	4592.31	4992.08	3700.83	10199.10	6373.76	8418.99
TAMPA	2844654	14803.84	8467.62	7009.68	7860.60	6597.20	6410.97	4864.48	5170.14	3647.23	4119.08
NASHVILLE	783473	15342.86	6447.28	4283.47	4378.02	8587.19	3915.04	1409.62	2664.88	5682.43	1494.90
RALEIGH	1181221	15601.30	7163.84	6945.72	7019.41	3103.25	4466.53	2810.16	3392.34	2343.81	2387.89
VIRGINIA BEACH	1679084	10107.03	7280.81	6362.62	6334.11	4193.99	5735.55	5515.98	1926.11	1809.55	1905.09
ORLANDO	2226835	10466.66	5995.56	4374.60	5419.59	5609.82	4808.94	3791.27	4648.74	1892.95	4125.29
RIVERSIDE	4325487	8064.22	6214.13	5134.68	4921.18	5507.90	3939.45	3700.29	3264.16	2339.02	1450.90
DALLAS	6638591	20683.86	15410.16	11157.52	12178.34	12981.75	7936.97	8373.90	8619.00	9269.92	5441.19
BIRMINGHAM	1135534	10213.39	5530.52	3417.80	2192.00	2577.83	3639.38	1580.35	894.68	1315.20	2267.22

Table S20 County level accessibility and equity statistics

MSA code	County code	MSA name	County name	MIA	LINW	HIW	Gini Index	LINW ratio to the mean	HIW ratio to the mean	Difference in ratios
12060	13013	Atlanta, GA	Barrow County, GA	610.84	1754.20	192.85	0.68	2.87	0.32	2.56
12060	13015	Atlanta, GA	Bartow County, GA	808.28	1509.05	72.91	0.70	1.87	0.09	1.78
12060	13035	Atlanta, GA	Butts County, GA	419.34	1480.82	246.12	0.70	3.53	0.59	2.94
12060	13045	Atlanta, GA	Carroll County, GA	953.79	2745.09	207.34	0.76	2.88	0.22	2.66
12060	13057	Atlanta, GA	Cherokee County, GA	569.32	2669.80	280.50	0.63	4.69	0.49	4.20
12060	13063	Atlanta, GA	Clayton County, GA	1348.31	1992.45	448.09	0.54	1.48	0.33	1.15
12060	13067	Atlanta, GA	Cobb County, GA	3354.37	7301.30	1011.70	0.68	2.18	0.30	1.88
12060	13077	Atlanta, GA	Coweta County, GA	629.54	2672.79	133.56	0.71	4.25	0.21	4.03
12060	13085	Atlanta, GA	Dawson County, GA	284.58	992.72	57.33	0.72	3.49	0.20	3.29
12060	13089	Atlanta, GA	DeKalb County, GA	8430.04	7665.02	1201.48	0.60	0.91	0.14	0.77
12060	13097	Atlanta, GA	Douglas County, GA	740.37	1201.48	250.74	0.63	1.62	0.34	1.28
12060	13113	Atlanta, GA	Fayette County, GA	1038.77	2359.90	493.96	0.60	2.27	0.48	1.80
12060	13117	Atlanta, GA	Forsyth County, GA	611.53	1331.21	588.41	0.69	2.18	0.96	1.21
12060	13121	Atlanta, GA	Fulton County, GA	28773.89	39927.51	7469.34	0.71	1.39	0.26	1.13
12060	13135	Atlanta, GA	Gwinnett County, GA	1605.36	3345.86	994.17	0.57	2.08	0.62	1.46
12060	13143	Atlanta, GA	Haralson County, GA	290.00	441.12	374.42	0.58	1.52	1.29	0.23
12060	13149	Atlanta, GA	Heard County, GA	72.99	450.23	5.72	0.75	6.17	0.08	6.09
12060	13151	Atlanta, GA	Henry County, GA	674.73	1961.56	179.95	0.64	2.91	0.27	2.64
12060	13159	Atlanta, GA	Jasper County, GA	286.55	685.32	19.46	0.61	2.39	0.07	2.32
12060	13171	Atlanta, GA	Lamar County, GA	504.84	1105.56	249.61	0.48	2.19	0.49	1.70
12060	13199	Atlanta, GA	Meriwether County, GA	192.43	344.17	100.38	0.59	1.79	0.52	1.27
12060	13217	Atlanta, GA	Newton County, GA	533.13	1895.73	53.96	0.78	3.56	0.10	3.45
12060	13223	Atlanta, GA	Paulding County, GA	296.90	849.00	76.50	0.67	2.86	0.26	2.60
12060	13227	Atlanta, GA	Pickens County, GA	245.45	762.22	16.59	0.71	3.11	0.07	3.04
12060	13231	Atlanta, GA	Pike County, GA	58.08	344.01	27.62	0.67	5.92	0.48	5.45
12060	13247	Atlanta, GA	Rockdale County, GA	829.19	2587.41	226.00	0.69	3.12	0.27	2.85
12060	13255	Atlanta, GA	Spalding County, GA	1746.35	5146.84	234.05	0.62	2.95	0.13	2.81
12060	13297	Atlanta, GA	Walton County, GA	508.88	1924.56	62.49	0.69	3.78	0.12	3.66
12420	48021	Austin, TX	Bastrop County, TX	344.88	877.44	386.33	0.76	2.54	1.12	1.42
12420	48055	Austin, TX	Caldwell County, TX	657.08	813.64	667.83	0.56	1.24	1.02	0.22
12420	48209	Austin, TX	Hays County, TX	1457.23	4306.16	87.35	0.74	2.96	0.06	2.90
12420	48453	Austin, TX	Travis County, TX	11549.02	21336.04	2630.42	0.73	1.85	0.23	1.62
12420	48491	Austin, TX	Williamson County, TX	1889.53	6129.80	631.65	0.66	3.24	0.33	2.91
12580	24003	Baltimore, MD	Anne Arundel County, MD	2641.64	5529.41	1223.66	0.66	2.09	0.46	1.63
12580	24005	Baltimore, MD	Baltimore County, MD	6138.17	6146.66	4386.50	0.61	1.00	0.71	0.29
12580	24013	Baltimore, MD	Carroll County, MD	1276.77	5742.56	833.67	0.72	4.50	0.65	3.84
12580	24025	Baltimore, MD	Harford County, MD	1380.50	1549.90	525.52	0.63	1.12	0.38	0.74
12580	24027	Baltimore, MD	Howard County, MD	2630.59	4817.62	641.36	0.54	1.83	0.24	1.59
12580	24035	Baltimore, MD	Queen Anne's County, MD	312.86	42.09	404.12	0.53	0.13	1.29	-1.16
12580	24510	Baltimore, MD	Baltimore city, MD	59971.02	94744.50	56106.86	0.56	1.58	0.94	0.64
13820	1007	Birmingham, AL	Bibb County, AL	157.78	308.35	112.39	0.60	1.95	0.71	1.24
13820	1009	Birmingham, AL	Blount County, AL	183.85	311.60	173.04	0.76	1.69	0.94	0.75
13820	1021	Birmingham, AL	Chilton County, AL	211.33	404.02	143.94	0.71	1.91	0.68	1.23
13820	1073	Birmingham, AL	Jefferson County, AL	5328.40	11445.12	3945.82	0.70	2.15	0.74	1.41
13820	1115	Birmingham, AL	St. Clair County, AL	215.57	372.81	235.15	0.68	1.73	1.09	0.64
13820	1117	Birmingham, AL	Shelby County, AL	717.76	1499.09	339.66	0.62	2.09	0.47	1.62
13820	1127	Birmingham, AL	Walker County, AL	498.36	1333.64	489.83	0.77	2.68	0.98	1.69
14460	25021	Boston, MA-NH	Norfolk County, MA	16312.85	28096.62	9551.20	0.73	1.72	0.59	1.14
14460	25023	Boston, MA-NH	Plymouth County, MA	3067.94	14784.57	904.41	0.68	4.82	0.29	4.52
14460	25025	Boston, MA-NH	Suffolk County, MA	157114.39	212517.83	266724.28	0.54	1.35	1.70	-0.35
14460	25017	Boston, MA-NH	Middlesex County, MA	37847.54	59439.45	8850.70	0.74	1.57	0.23	1.34
14460	25009	Boston, MA-NH	Essex County, MA	7023.48	16824.96	1757.44	0.49	2.40	0.25	2.15
14460	33015	Boston, MA-NH	Rockingham County, NH	1306.34	3734.20	423.00	0.68	2.86	0.32	2.53
14460	33017	Boston, MA-NH	Strafford County, NH	1492.09	2540.20	500.76	0.59	1.70	0.34	1.37
15380	36029	Buffalo, NY	Erie County, NY	14298.66	40802.84	3500.76	0.59	2.85	0.24	2.61

15380	36063	Buffalo, NY	Niagara County, NY	3353.73	11323.35	1006.78	0.59	3.38	0.30	3.08
16740	37007	Charlotte, NC-SC	Anson County, NC	378.25	954.15	182.86	0.72	2.52	0.48	2.04
16740	37025	Charlotte, NC-SC	Cabarrus County, NC	1142.08	3776.97	298.80	0.60	3.31	0.26	3.05
16740	37071	Charlotte, NC-SC	Gaston County, NC	1136.83	2645.46	441.06	0.62	2.33	0.39	1.94
16740	37119	Charlotte, NC-SC	Mecklenburg County, NC	11610.55	24941.80	11343.63	0.75	2.15	0.98	1.17
16740	37179	Charlotte, NC-SC	Union County, NC	706.22	4309.41	159.20	0.73	6.10	0.23	5.88
16740	45091	Charlotte, NC-SC	York County, SC	1416.09	4408.32	415.61	0.65	3.11	0.29	2.82
16980	17031	Chicago, IL-IN-WI	Cook County, IL	81126.42	80333.67	143726.42	0.70	0.99	1.77	-0.78
16980	17037	Chicago, IL-IN-WI	DeKalb County, IL	2538.29	6155.16	976.17	0.44	2.42	0.38	2.04
16980	17043	Chicago, IL-IN-WI	DuPage County, IL	7294.45	8693.05	6225.25	0.42	1.19	0.85	0.34
16980	17063	Chicago, IL-IN-WI	Grundy County, IL	1366.16	3352.34	353.29	0.58	2.45	0.26	2.20
16980	17089	Chicago, IL-IN-WI	Kane County, IL	5681.79	11162.01	1366.95	0.47	1.96	0.24	1.72
16980	17093	Chicago, IL-IN-WI	Kendall County, IL	955.15	1125.49	758.01	0.48	1.18	0.79	0.38
16980	17111	Chicago, IL-IN-WI	McHenry County, IL	1677.75	4197.46	1071.91	0.56	2.50	0.64	1.86
16980	17197	Chicago, IL-IN-WI	Will County, IL	2872.59	8099.33	1233.11	0.59	2.82	0.43	2.39
16980	18073	Chicago, IL-IN-WI	Jasper County, IN	691.55	1730.97	599.76	0.67	2.50	0.87	1.64
16980	18089	Chicago, IL-IN-WI	Lake County, IN	3089.30	5414.78	1812.84	0.49	1.75	0.59	1.17
16980	18111	Chicago, IL-IN-WI	Newton County, IN	604.67	1089.78	48.80	0.72	1.80	0.08	1.72
16980	18127	Chicago, IL-IN-WI	Porter County, IN	1728.35	4168.26	516.19	0.63	2.41	0.30	2.11
16980	17097	Chicago, IL-IN-WI	Lake County, IL	4621.46	12244.84	4016.73	0.52	2.65	0.87	1.78
16980	55059	Chicago, IL-IN-WI	Kenosha County, WI	3321.93	6675.51	1666.48	0.49	2.01	0.50	1.51
17140	18029	Cincinnati, OH-KY-IN	Dearborn County, IN	488.86	822.02	24.54	0.75	1.68	0.05	1.63
17140	18047	Cincinnati, OH-KY-IN	Franklin County, IN	298.89	117.60	605.35	0.73	0.39	2.03	-1.63
17140	18115	Cincinnati, OH-KY-IN	Ohio County, IN	416.78	1030.79	9.41	0.47	2.47	0.02	2.45
17140	21015	Cincinnati, OH-KY-IN	Boone County, KY	2099.47	6479.24	390.23	0.67	3.09	0.19	2.90
17140	21023	Cincinnati, OH-KY-IN	Bracken County, KY	147.90	3.99	2.74	0.66	0.03	0.02	0.01
17140	21037	Cincinnati, OH-KY-IN	Campbell County, KY	12903.44	51273.50	1391.24	0.70	3.97	0.11	3.87
17140	21077	Cincinnati, OH-KY-IN	Gallatin County, KY	151.40	411.82	153.79	0.51	2.72	1.02	1.70
17140	21081	Cincinnati, OH-KY-IN	Grant County, KY	271.75	528.01	125.18	0.71	1.94	0.46	1.48
17140	21117	Cincinnati, OH-KY-IN	Kenton County, KY	8637.92	23881.50	2224.00	0.69	2.76	0.26	2.51
17140	21191	Cincinnati, OH-KY-IN	Pendleton County, KY	121.84	609.97	1.76	0.68	5.01	0.01	4.99
17140	39015	Cincinnati, OH-KY-IN	Brown County, OH	2217.94	8057.86	990.63	0.52	3.63	0.45	3.19
17140	39017	Cincinnati, OH-KY-IN	Butler County, OH	1936.49	4833.16	745.48	0.54	2.50	0.38	2.11
17140	39025	Cincinnati, OH-KY-IN	Clermont County, OH	7486.52	102290.10	360.95	0.87	13.66	0.05	13.62
17140	39061	Cincinnati, OH-KY-IN	Hamilton County, OH	11846.61	38410.07	3690.57	0.66	3.24	0.31	2.93
17140	39165	Cincinnati, OH-KY-IN	Warren County, OH	1176.52	1851.61	558.71	0.59	1.57	0.47	1.10
17460	39035	Cleveland, OH	Cuyahoga County, OH	15285.09	46201.03	3852.82	0.58	3.02	0.25	2.77
17460	39055	Cleveland, OH	Geauga County, OH	390.76	1478.84	254.04	0.70	3.78	0.65	3.13
17460	39085	Cleveland, OH	Lake County, OH	1780.68	4882.29	467.28	0.53	2.74	0.26	2.48
17460	39093	Cleveland, OH	Lorain County, OH	1795.69	2880.10	582.68	0.54	1.60	0.32	1.28
17460	39103	Cleveland, OH	Medina County, OH	1355.68	4933.32	592.50	0.64	3.64	0.44	3.20
18140	39041	Columbus, OH	Delaware County, OH	1631.53	4496.79	504.88	0.63	2.76	0.31	2.45
18140	39045	Columbus, OH	Fairfield County, OH	1710.11	2841.88	739.13	0.64	1.66	0.43	1.23
18140	39049	Columbus, OH	Franklin County, OH	14623.08	30606.78	5798.77	0.66	2.09	0.40	1.70
18140	39089	Columbus, OH	Licking County, OH	1605.08	4302.87	615.20	0.59	2.68	0.38	2.30
18140	39097	Columbus, OH	Madison County, OH	1039.80	2552.03	210.51	0.68	2.45	0.20	2.25
18140	39117	Columbus, OH	Morrow County, OH	237.55	1267.76	109.90	0.79	5.34	0.46	4.87
18140	39129	Columbus, OH	Pickaway County, OH	1187.44	3239.02	205.04	0.69	2.73	0.17	2.56
18140	39159	Columbus, OH	Union County, OH	1027.10	2142.39	151.46	0.72	2.09	0.15	1.94
19100	48085	Dallas, TX	Collin County, TX	4559.33	9950.56	2810.48	0.62	2.18	0.62	1.57
19100	48113	Dallas, TX	Dallas County, TX	22352.50	27969.30	23229.42	0.65	1.25	1.04	0.21
19100	48121	Dallas, TX	Denton County, TX	2976.66	8471.69	1075.71	0.62	2.85	0.36	2.48
19100	48139	Dallas, TX	Ellis County, TX	986.71	2720.00	91.71	0.71	2.76	0.09	2.66
19100	48231	Dallas, TX	Hunt County, TX	1132.69	3713.37	244.82	0.64	3.28	0.22	3.06
19100	48257	Dallas, TX	Kaufman County, TX	710.16	2120.56	314.85	0.68	2.99	0.44	2.54
19100	48397	Dallas, TX	Rockwall County, TX	1242.96	2559.07	570.60	0.51	2.06	0.46	1.60
19100	48251	Dallas, TX	Johnson County, TX	1196.84	2334.53	450.28	0.65	1.95	0.38	1.57
19100	48367	Dallas, TX	Parker County, TX	642.11	2637.56	73.86	0.77	4.11	0.12	3.99
19100	48439	Dallas, TX	Tarrant County, TX	4650.19	8039.63	1839.53	0.58	1.73	0.40	1.33
19100	48497	Dallas, TX	Wise County, TX	669.52	2053.72	344.79	0.74	3.07	0.51	2.55
19740	8001	Denver, CO	Adams County, CO	6625.18	12984.54	2028.36	0.43	1.96	0.31	1.65
19740	8005	Denver, CO	Arapahoe County, CO	12130.07	21523.57	5119.75	0.47	1.77	0.42	1.35
19740	8014	Denver, CO	Broomfield County, CO	3453.76	5967.60	579.57	0.55	1.73	0.17	1.56
19740	8019	Denver, CO	Clear Creek County, CO	294.68	759.25	51.94	0.54	2.58	0.18	2.40

19740	8031	Denver, CO	Denver County, CO	59087.76	57986.29	54358.70	0.49	0.98	0.92	0.06
19740	8035	Denver, CO	Douglas County, CO	2518.97	4615.64	1374.30	0.58	1.83	0.55	1.29
19740	8039	Denver, CO	Elbert County, CO	84.22	36.16	30.45	0.66	0.43	0.36	0.07
19740	8047	Denver, CO	Gilpin County, CO	214.84	911.00	153.34	0.58	4.24	0.71	3.53
19740	8059	Denver, CO	Jefferson County, CO	7736.04	19720.12	2131.03	0.53	2.55	0.28	2.27
19740	8093	Denver, CO	Park County, CO	24.96	28.18	12.36	0.53	1.13	0.50	0.63
19820	26163	Detroit, MI	Wayne County, MI	10431.79	21860.30	4211.66	0.53	2.10	0.40	1.69
19820	26087	Detroit, MI	Lapeer County, MI	732.99	3866.35	180.45	0.84	5.27	0.25	5.03
19820	26093	Detroit, MI	Livingston County, MI	895.24	2301.03	755.69	0.77	2.57	0.84	1.73
19820	26099	Detroit, MI	Macomb County, MI	5624.24	10470.11	1781.36	0.42	1.86	0.32	1.54
19820	26125	Detroit, MI	Oakland County, MI	6524.51	8492.07	3820.26	0.58	1.30	0.59	0.72
19820	26147	Detroit, MI	St. Clair County, MI	1543.75	7167.02	399.56	0.74	4.64	0.26	4.38
25540	9003	Hartford, CT	Hartford County, CT	15706.25	65079.05	2618.16	0.68	4.14	0.17	3.98
25540	9007	Hartford, CT	Middlesex County, CT	2091.06	9739.37	254.39	0.70	4.66	0.12	4.54
25540	9013	Hartford, CT	Tolland County, CT	1468.34	6649.39	253.20	0.67	4.53	0.17	4.36
26420	48015	Houston, TX	Austin County, TX	832.09	1166.57	642.91	0.62	1.40	0.77	0.63
26420	48039	Houston, TX	Brazoria County, TX	1176.02	2615.61	859.62	0.62	2.22	0.73	1.49
26420	48071	Houston, TX	Chambers County, TX	130.37	231.84	84.58	0.72	1.78	0.65	1.13
26420	48157	Houston, TX	Fort Bend County, TX	1433.59	2074.51	662.76	0.62	1.45	0.46	0.98
26420	48167	Houston, TX	Galveston County, TX	2381.43	5621.62	769.75	0.61	2.36	0.32	2.04
26420	48201	Houston, TX	Harris County, TX	19984.51	26726.21	30122.94	0.72	1.34	1.51	-0.17
26420	48291	Houston, TX	Liberty County, TX	530.73	1908.87	162.76	0.74	3.60	0.31	3.29
26420	48339	Houston, TX	Montgomery County, TX	1318.03	2612.78	1647.24	0.72	1.98	1.25	0.73
26420	48407	Houston, TX	San Jacinto County, TX	29.22	110.12	2.71	0.72	3.77	0.09	3.68
26420	48473	Houston, TX	Waller County, TX	390.84	1113.21	485.54	0.59	2.85	1.24	1.61
26900	18011	Indianapolis, IN	Boone County, IN	1107.00	2782.33	433.29	0.58	2.51	0.39	2.12
26900	18013	Indianapolis, IN	Brown County, IN	93.85	11.07	19.83	0.69	0.12	0.21	-0.09
26900	18057	Indianapolis, IN	Hamilton County, IN	1955.40	4058.86	1113.84	0.56	2.08	0.57	1.51
26900	18059	Indianapolis, IN	Hancock County, IN	1109.86	2472.70	124.06	0.69	2.23	0.11	2.12
26900	18063	Indianapolis, IN	Hendricks County, IN	1118.66	2446.24	601.96	0.61	2.19	0.54	1.65
26900	18081	Indianapolis, IN	Johnson County, IN	1754.99	3877.81	774.33	0.53	2.21	0.44	1.77
26900	18097	Indianapolis, IN	Marion County, IN	12119.85	24311.29	5371.60	0.62	2.01	0.44	1.56
26900	18109	Indianapolis, IN	Morgan County, IN	831.66	1822.07	325.77	0.69	2.19	0.39	1.80
26900	18133	Indianapolis, IN	Putnam County, IN	1500.02	2814.08	602.50	0.68	1.88	0.40	1.47
26900	18145	Indianapolis, IN	Shelby County, IN	1486.69	4844.03	344.29	0.68	3.26	0.23	3.03
28140	20059	Kansas City, MO-KS	Franklin County, KS	1439.79	1570.38	212.40	0.57	1.09	0.15	0.94
28140	20091	Kansas City, MO-KS	Johnson County, KS	5006.62	7861.81	2317.29	0.47	1.57	0.46	1.11
28140	20103	Kansas City, MO-KS	Leavenworth County, KS	1015.35	3212.05	419.40	0.59	3.16	0.41	2.75
28140	20107	Kansas City, MO-KS	Linn County, KS	157.59	203.17	133.58	0.51	1.29	0.85	0.44
28140	20121	Kansas City, MO-KS	Miami County, KS	755.43	2202.19	101.69	0.62	2.92	0.13	2.78
28140	20209	Kansas City, MO-KS	Wyandotte County, KS	6996.61	12770.70	655.04	0.64	1.83	0.09	1.73
28140	29013	Kansas City, MO-KS	Bates County, MO	640.35	1831.00	9.04	0.68	2.86	0.01	2.85
28140	29025	Kansas City, MO-KS	Caldwell County, MO	157.95	490.21	14.54	0.58	3.10	0.09	3.01
28140	29037	Kansas City, MO-KS	Cass County, MO	899.64	1205.93	327.32	0.61	1.34	0.36	0.98
28140	29047	Kansas City, MO-KS	Clay County, MO	3381.87	9021.08	734.84	0.60	2.67	0.22	2.45
28140	29049	Kansas City, MO-KS	Clinton County, MO	583.64	1921.49	30.45	0.62	3.29	0.05	3.24
28140	29095	Kansas City, MO-KS	Jackson County, MO	13611.90	33202.63	6562.03	0.66	2.44	0.48	1.96
28140	29107	Kansas City, MO-KS	Lafayette County, MO	765.66	297.33	432.22	0.59	0.39	0.56	-0.18
28140	29165	Kansas City, MO-KS	Platte County, MO	2151.70	3753.76	322.70	0.55	1.74	0.15	1.59
28140	29177	Kansas City, MO-KS	Ray County, MO	447.03	1517.66	313.15	0.67	3.40	0.70	2.69
29820	32003	Las Vegas, NV	Clark County, NV	8611.09	22100.16	2623.44	0.63	2.57	0.30	2.26
31100	6037	Los Angeles, CA	Los Angeles County, CA	55034.07	124188.37	23747.88	0.64	2.26	0.43	1.83
31100	6059	Los Angeles, CA	Orange County, CA	20711.37	38115.33	5193.48	0.49	1.84	0.25	1.59
31140	18019	Louisville, KY-IN	Clark County, IN	3610.62	11563.36	500.31	0.67	3.20	0.14	3.06
31140	18043	Louisville, KY-IN	Floyd County, IN	2722.33	8549.39	326.74	0.53	3.14	0.12	3.02
31140	18061	Louisville, KY-IN	Harrison County, IN	427.40	1361.86	19.86	0.82	3.19	0.05	3.14
31140	18175	Louisville, KY-IN	Washington County, IN	426.60	1685.30	4.82	0.73	3.95	0.01	3.94
31140	21029	Louisville, KY-IN	Bullitt County, KY	871.86	2590.37	132.21	0.64	2.97	0.15	2.82
31140	21103	Louisville, KY-IN	Henry County, KY	186.70	547.86	39.90	0.73	2.93	0.21	2.72
31140	21111	Louisville, KY-IN	Jefferson County, KY	12146.49	19.96	4100.24	0.65	0.00	0.34	-0.34
31140	21163	Louisville, KY-IN	Meade County, KY	163.71	458.20	119.16	0.79	2.80	0.73	2.07
31140	21179	Louisville, KY-IN	Nelson County, KY	855.32	3676.19	145.36	0.70	4.30	0.17	4.13
31140	21185	Louisville, KY-IN	Oldham County, KY	349.92	681.47	170.43	0.64	1.95	0.49	1.46
31140	21211	Louisville, KY-IN	Shelby County, KY	852.98	1715.20	63.33	0.66	2.01	0.07	1.94

31140	21215	Louisville, KY-IN	Spencer County, KY	87.12	520.91	7.52	0.71	5.98	0.09	5.89
31140	21223	Louisville, KY-IN	Trimble County, KY	35.92	57.16	27.92	0.47	1.59	0.78	0.81
33100	12011	Miami, FL	Broward County, FL	10744.21	16349.72	5476.92	0.47	1.52	0.51	1.01
33100	12086	Miami, FL	Miami-Dade County, FL	25382.99	44970.49	22430.38	0.62	1.77	0.88	0.89
33100	12099	Miami, FL	Palm Beach County, FL	3352.45	5651.75	1768.13	0.57	1.69	0.53	1.16
33340	55079	Milwaukee, WI	Milwaukee County, WI	35409.59	69560.29	18999.51	0.50	1.96	0.54	1.43
33340	55089	Milwaukee, WI	Ozaukee County, WI	1837.83	2480.67	1316.33	0.51	1.35	0.72	0.63
33340	55131	Milwaukee, WI	Washington County, WI	2151.78	4928.74	643.35	0.63	2.29	0.30	1.99
33340	55133	Milwaukee, WI	Waukesha County, WI	3539.64	10461.18	1254.22	0.64	2.96	0.35	2.60
33460	27003	Minneapolis-St., MN-WI	Anoka County, MN	4952.65	18281.56	854.98	0.65	3.69	0.17	3.52
33460	27019	Minneapolis-St., MN-WI	Carver County, MN	1542.77	1989.68	772.66	0.61	1.29	0.50	0.79
33460	27025	Minneapolis-St., MN-WI	Chisago County, MN	495.02	1401.00	80.38	0.60	2.83	0.16	2.67
33460	27037	Minneapolis-St., MN-WI	Dakota County, MN	3998.60	8513.59	1644.40	0.53	2.13	0.41	1.72
33460	27053	Minneapolis-St., MN-WI	Hennepin County, MN	42565.60	132183.78	12954.61	0.64	3.11	0.30	2.80
33460	27059	Minneapolis-St., MN-WI	Isanti County, MN	650.50	1280.46	6.48	0.79	1.97	0.01	1.96
33460	27079	Minneapolis-St., MN-WI	Le Sueur County, MN	58114.82	61101.36	11889.00	0.10	1.05	0.20	0.85
33460	27123	Minneapolis-St., MN-WI	Ramsey County, MN	27353.54	49677.61	11844.93	0.50	1.82	0.43	1.38
33460	27139	Minneapolis-St., MN-WI	Scott County, MN	1246.79	3436.54	822.32	0.50	2.76	0.66	2.10
33460	27141	Minneapolis-St., MN-WI	Sherburne County, MN	904.46	1825.22	238.56	0.66	2.02	0.26	1.75
33460	27163	Minneapolis-St., MN-WI	Washington County, MN	1864.66	5181.43	893.36	0.57	2.78	0.48	2.30
33460	27171	Minneapolis-St., MN-WI	Wright County, MN	821.17	1147.52	926.55	0.63	1.40	1.13	0.27
33460	55093	Minneapolis-St., MN-WI	Pierce County, WI	922.73	2475.79	750.78	0.69	2.68	0.81	1.87
33460	55109	Minneapolis-St., MN-WI	St. Croix County, WI	1131.68	719.57	155.87	0.68	0.64	0.14	0.50
34980	47015	Nashville, TN	Cannon County, TN	268.78	2.25	202.73	0.70	0.01	0.75	-0.75
34980	47021	Nashville, TN	Cheatham County, TN	283.58	1906.94	175.60	0.83	6.72	0.62	6.11
34980	47037	Nashville, TN	Davidson County, TN	11715.12	28595.93	9416.49	0.72	2.44	0.80	1.64
34980	47043	Nashville, TN	Dickson County, TN	679.59	2712.58	154.26	0.71	3.99	0.23	3.76
34980	47081	Nashville, TN	Hickman County, TN	100.75	625.92	1.71	0.78	6.21	0.02	6.20
34980	47111	Nashville, TN	Macon County, TN	426.79	105.91	416.25	0.69	0.25	0.98	-0.73
34980	47147	Nashville, TN	Robertson County, TN	962.88	3894.55	38.76	0.79	4.04	0.04	4.00
34980	47149	Nashville, TN	Rutherford County, TN	1673.53	5795.35	539.88	0.73	3.46	0.32	3.14
34980	47159	Nashville, TN	Smith County, TN	260.24	1536.61	85.05	0.76	5.90	0.33	5.58
34980	47165	Nashville, TN	Sumner County, TN	1194.49	6412.66	195.38	0.73	5.37	0.16	5.20
34980	47169	Nashville, TN	Trousdale County, TN	211.80	519.03	21.84	0.58	2.45	0.10	2.35
34980	47187	Nashville, TN	Williamson County, TN	1431.64	4920.07	345.84	0.75	3.44	0.24	3.20
34980	47189	Nashville, TN	Wilson County, TN	713.41	3102.25	169.86	0.73	4.35	0.24	4.11
35380	22051	New Orleans, LA	Jefferson Parish, LA	5709.23	5181.17	5454.38	0.45	0.91	0.96	-0.05
35380	22071	New Orleans, LA	Orleans Parish, LA	20512.40	29258.24	22339.64	0.54	1.43	1.09	0.34
35380	22075	New Orleans, LA	Plaquemines Parish, LA	593.19	181.47	1178.73	0.61	0.31	1.99	-1.68
35380	22087	New Orleans, LA	St. Bernard Parish, LA	2147.67	3601.24	1369.58	0.50	1.68	0.64	1.04
35380	22089	New Orleans, LA	St. Charles Parish, LA	854.58	738.07	875.17	0.43	0.86	1.02	-0.16
35380	22095	New Orleans, LA	St. John the Baptist Parish, LA	1437.75	2609.12	538.85	0.45	1.81	0.37	1.44
35380	22103	New Orleans, LA	St. Tammany Parish, LA	1272.54	3659.87	637.51	0.69	2.88	0.50	2.38
35620	34023	New York, NY-NJ-PA	Middlesex County, NJ	8480.77	20693.19	3871.58	0.52	2.44	0.46	1.98
35620	34025	New York, NY-NJ-PA	Monmouth County, NJ	3373.20	7395.43	1513.07	0.46	2.19	0.45	1.74
35620	34029	New York, NY-NJ-PA	Ocean County, NJ	1875.40	4687.80	1335.44	0.58	2.50	0.71	1.79
35620	34035	New York, NY-NJ-PA	Somerset County, NJ	3686.40	10976.88	885.96	0.60	2.98	0.24	2.74
35620	36059	New York, NY-NJ-PA	Nassau County, NY	27477.74	49730.17	17002.66	0.42	1.81	0.62	1.19
35620	36103	New York, NY-NJ-PA	Suffolk County, NY	3707.42	4434.22	2532.03	0.50	1.20	0.68	0.51
35620	34003	New York, NY-NJ-PA	Bergen County, NJ	23429.34	38600.96	9475.63	0.43	1.65	0.40	1.24
35620	34017	New York, NY-NJ-PA	Hudson County, NJ	165289.64	109144.37	420247.41	0.59	0.66	2.54	-1.88
35620	34031	New York, NY-NJ-PA	Passaic County, NJ	22687.06	38280.14	7030.36	0.40	1.69	0.31	1.38
35620	36005	New York, NY-NJ-PA	Bronx County, NY	104282.23	134352.08	33470.59	0.32	1.29	0.32	0.97
35620	36047	New York, NY-NJ-PA	Kings County, NY	297523.72	303845.78	673044.13	0.54	1.02	2.26	-1.24
35620	36061	New York, NY-NJ-PA	New York County, NY	1404469.88	1066392.00	1940805.13	0.29	0.76	1.38	-0.62
35620	36079	New York, NY-NJ-PA	Putnam County, NY	378.00	704.26	216.60	0.50	1.86	0.57	1.29
35620	36081	New York, NY-NJ-PA	Queens County, NY	162999.13	215587.25	156695.91	0.62	1.32	0.96	0.36
35620	36085	New York, NY-NJ-PA	Richmond County, NY	15183.03	19042.48	10612.02	0.25	1.25	0.70	0.56
35620	36119	New York, NY-NJ-PA	Westchester County, NY	16991.40	28152.09	6288.77	0.43	1.66	0.37	1.29
35620	34013	New York, NY-NJ-PA	Essex County, NJ	48378.43	77270.54	10900.27	0.45	1.60	0.23	1.37
35620	34019	New York, NY-NJ-PA	Hunterdon County, NJ	1160.26	7876.71	141.31	0.74	6.79	0.12	6.67
35620	34027	New York, NY-NJ-PA	Morris County, NJ	4031.45	7909.13	2464.48	0.56	1.96	0.61	1.35
35620	34037	New York, NY-NJ-PA	Sussex County, NJ	547.71	2589.35	365.75	0.69	4.73	0.67	4.06
35620	34039	New York, NY-NJ-PA	Union County, NJ	19657.66	27816.98	8398.68	0.31	1.42	0.43	0.99

35620	42103	New York, NY-NJ-PA	Pike County, PA	221.60	88.71	155.08	0.82	0.40	0.70	-0.30
36740	12069	Orlando, FL	Lake County, FL	878.35	2174.54	273.56	0.65	2.48	0.31	2.16
36740	12095	Orlando, FL	Orange County, FL	7205.10	13503.91	6418.97	0.67	1.87	0.89	0.98
36740	12097	Orlando, FL	Osceola County, FL	1682.43	4165.67	761.09	0.62	2.48	0.45	2.02
36740	12117	Orlando, FL	Seminole County, FL	3255.61	5700.95	926.27	0.51	1.75	0.28	1.47
37980	34005	Philadelphia, PA-NJ-DE-MD	Burlington County, NJ	2962.82	3876.84	1413.61	0.53	1.31	0.48	0.83
37980	34007	Philadelphia, PA-NJ-DE-MD	Camden County, NJ	19250.27	87572.17	7558.42	0.67	4.55	0.39	4.16
37980	34015	Philadelphia, PA-NJ-DE-MD	Gloucester County, NJ	2771.64	6205.51	1273.40	0.51	2.24	0.46	1.78
37980	42017	Philadelphia, PA-NJ-DE-MD	Bucks County, PA	3226.30	8479.93	1202.40	0.51	2.63	0.37	2.26
37980	42029	Philadelphia, PA-NJ-DE-MD	Chester County, PA	2649.43	5280.96	1660.62	0.63	1.99	0.63	1.37
37980	42045	Philadelphia, PA-NJ-DE-MD	Delaware County, PA	17603.52	40335.23	7269.54	0.51	2.29	0.41	1.88
37980	42091	Philadelphia, PA-NJ-DE-MD	Montgomery County, PA	8009.34	14077.25	5100.33	0.47	1.76	0.64	1.12
37980	42101	Philadelphia, PA-NJ-DE-MD	Philadelphia County, PA	143384.98	193281.72	189104.95	0.50	1.35	1.32	0.03
37980	10003	Philadelphia, PA-NJ-DE-MD	New Castle County, DE	10950.40	41252.59	2537.01	0.62	3.77	0.23	3.54
37980	24015	Philadelphia, PA-NJ-DE-MD	Cecil County, MD	571.72	1761.81	223.60	0.67	3.08	0.39	2.69
37980	34033	Philadelphia, PA-NJ-DE-MD	Salem County, NJ	857.07	1969.41	388.17	0.48	2.30	0.45	1.84
38060	4013	Phoenix, AZ	Maricopa County, AZ	11127.58	26535.41	4358.97	0.66	2.38	0.39	1.99
38060	4021	Phoenix, AZ	Pinal County, AZ	665.58	1428.21	181.65	0.69	2.15	0.27	1.87
38300	42003	Pittsburgh, PA	Allegheny County, PA	23691.61	66546.54	10678.81	0.72	2.81	0.45	2.36
38300	42005	Pittsburgh, PA	Armstrong County, PA	571.57	1550.64	403.39	0.69	2.71	0.71	2.01
38300	42007	Pittsburgh, PA	Beaver County, PA	1299.62	1935.69	561.71	0.57	1.49	0.43	1.06
38300	42019	Pittsburgh, PA	Butler County, PA	1438.15	5880.38	742.44	0.73	4.09	0.52	3.57
38300	42051	Pittsburgh, PA	Fayette County, PA	1279.30	5674.43	496.59	0.74	4.44	0.39	4.05
38300	42125	Pittsburgh, PA	Washington County, PA	1605.75	8118.14	804.15	0.72	5.06	0.50	4.55
38300	42129	Pittsburgh, PA	Westmoreland County, PA	1672.50	3779.48	552.82	0.67	2.26	0.33	1.93
38900	41005	Portland, OR-WA	Clackamas County, OR	5136.33	11955.69	3189.21	0.58	2.33	0.62	1.71
38900	41009	Portland, OR-WA	Columbia County, OR	761.18	1500.02	388.36	0.60	1.97	0.51	1.46
38900	41051	Portland, OR-WA	Multnomah County, OR	41644.93	44940.49	40391.60	0.52	1.08	0.97	0.11
38900	41067	Portland, OR-WA	Washington County, OR	11151.31	20319.65	5795.17	0.42	1.82	0.52	1.30
38900	41071	Portland, OR-WA	Yamhill County, OR	2421.16	5066.25	867.05	0.57	2.09	0.36	1.73
38900	53011	Portland, OR-WA	Clark County, WA	3068.40	6773.53	910.94	0.54	2.21	0.30	1.91
38900	53059	Portland, OR-WA	Skamania County, WA	141.49	388.54	8.18	0.68	2.75	0.06	2.69
39300	25005	Providence, RI-MA	Bristol County, MA	4944.07	11952.45	593.86	0.55	2.42	0.12	2.30
39300	44001	Providence, RI-MA	Bristol County, RI	3007.25	3560.84	1331.85	0.34	1.18	0.44	0.74
39300	44003	Providence, RI-MA	Kent County, RI	3882.11	6488.93	1536.93	0.43	1.67	0.40	1.28
39300	44005	Providence, RI-MA	Newport County, RI	3978.52	6889.75	2056.58	0.50	1.73	0.52	1.21
39300	44007	Providence, RI-MA	Providence County, RI	21741.76	43146.61	9055.12	0.53	1.98	0.42	1.57
39300	44009	Providence, RI-MA	Washington County, RI	1281.69	3272.27	548.29	0.63	2.55	0.43	2.13
39580	37069	Raleigh-Cary, NC	Franklin County, NC	196.20	970.09	64.61	0.74	4.94	0.33	4.62
39580	37101	Raleigh-Cary, NC	Johnston County, NC	452.93	1848.80	224.28	0.77	4.08	0.50	3.59
39580	37183	Raleigh-Cary, NC	Wake County, NC	6754.28	21305.36	2872.54	0.78	3.15	0.43	2.73
40140	6065	Riverside, CA	Riverside County, CA	3856.19	7193.47	1270.96	0.64	1.87	0.33	1.54
40140	6071	Riverside, CA	San Bernardino County, CA	5004.02	8947.15	2490.37	0.55	1.79	0.50	1.29
40900	6017	Sacramento, CA	El Dorado County, CA	724.84	1633.76	469.48	0.67	2.25	0.65	1.61
40900	6061	Sacramento, CA	Placer County, CA	2349.46	4139.20	1573.56	0.63	1.76	0.67	1.09
40900	6067	Sacramento, CA	Sacramento County, CA	13720.23	24544.79	10044.21	0.69	1.79	0.73	1.06
40900	6113	Sacramento, CA	Yolo County, CA	11991.38	20.17	4804.24	0.55	0.00	0.40	-0.40
41620	49035	Salt Lake City, UT	Salt Lake County, UT	14997.38	29931.21	5173.24	0.55	2.00	0.34	1.65
41620	49043	Salt Lake City, UT	Summit County, UT	1374.00	5277.81	1364.10	0.66	3.84	0.99	2.85
41620	49045	Salt Lake City, UT	Tooele County, UT	1423.86	2549.95	170.68	0.52	1.79	0.12	1.67
41700	48013	San Antonio, TX	Atascosa County, TX	580.22	357.85	792.98	0.63	0.62	1.37	-0.75
41700	48019	San Antonio, TX	Bandera County, TX	100.08	7.24	18.03	0.81	0.07	0.18	-0.11
41700	48029	San Antonio, TX	Bexar County, TX	12124.80	26636.12	4366.24	0.64	2.20	0.36	1.84
41700	48091	San Antonio, TX	Comal County, TX	1170.41	3431.95	350.82	0.69	2.93	0.30	2.63
41700	48187	San Antonio, TX	Guadalupe County, TX	1106.62	2843.39	485.10	0.70	2.57	0.44	2.13
41700	48259	San Antonio, TX	Kendall County, TX	552.03	2354.31	152.12	0.70	4.26	0.28	3.99
41700	48325	San Antonio, TX	Medina County, TX	403.13	1284.23	13.67	0.67	3.19	0.03	3.15
41700	48493	San Antonio, TX	Wilson County, TX	281.85	959.06	32.83	0.80	3.40	0.12	3.29
41740	6073	San Diego, CA	San Diego County, CA	12203.86	24058.57	3847.50	0.63	1.97	0.32	1.66
41860	6001	San Francisco, CA	Alameda County, CA	36120.40	90199.72	11591.65	0.63	2.50	0.32	2.18
41860	6013	San Francisco, CA	Contra Costa County, CA	6729.76	11722.37	3530.57	0.57	1.74	0.52	1.22
41860	6041	San Francisco, CA	Marin County, CA	4941.34	11201.36	3015.03	0.43	2.27	0.61	1.66
41860	6075	San Francisco, CA	San Francisco County, CA	232177.85	318534.03	253836.30	0.40	1.37	1.09	0.28
41860	6081	San Francisco, CA	San Mateo County, CA	16082.23	25252.79	8995.13	0.46	1.57	0.56	1.01

41940	6069	San Francisco, CA	San Benito County, CA	2307.46	3609.04	437.61	0.51	1.56	0.19	1.37
41940	6085	San Francisco, CA	Santa Clara County, CA	17626.09	27088.88	9431.80	0.48	1.54	0.54	1.00
42660	53033	Seattle, WA	King County, WA	40107.14	57195.90	21421.21	0.73	1.43	0.53	0.89
42660	53061	Seattle, WA	Snohomish County, WA	3232.91	9306.67	1033.89	0.63	2.88	0.32	2.56
42660	53053	Seattle, WA	Pierce County, WA	3449.52	7711.13	1504.23	0.70	2.24	0.44	1.80
45300	12053	Tampa, FL	Hernando County, FL	635.23	1263.21	245.47	0.61	1.99	0.39	1.60
45300	12057	Tampa, FL	Hillsborough County, FL	7816.88	19884.40	5150.38	0.69	2.54	0.66	1.88
45300	12101	Tampa, FL	Pasco County, FL	878.03	1860.66	230.95	0.58	2.12	0.26	1.86
45300	12103	Tampa, FL	Pinellas County, FL	8911.44	17087.94	4327.99	0.46	1.92	0.49	1.43
44	37053	Virginia Beach, VA-NC	Currituck County, NC	7.16	53.92	29.04	0.49	7.53	4.06	3.48
44	51073	Virginia Beach, VA-NC	Gloucester County, VA	639.94	75.30	253.05	0.74	0.12	0.40	-0.28
44	51093	Virginia Beach, VA-NC	Isle of Wight County, VA	1259.65	117.55	330.05	0.71	0.09	0.26	-0.17
44	51095	Virginia Beach, VA-NC	James City County, VA	1432.91	270.39	810.21	0.59	0.19	0.57	-0.38
44	51115	Virginia Beach, VA-NC	Mathews County, VA	9.06	110.04	43.40	0.52	12.15	4.79	7.36
44	51199	Virginia Beach, VA-NC	York County, VA	971.28	359.55	745.95	0.60	0.37	0.77	-0.40
44	51550	Virginia Beach, VA-NC	Chesapeake city, VA	2797.19	353.69	2702.95	0.54	0.13	0.97	-0.84
44	51650	Virginia Beach, VA-NC	Hampton city, VA	9506.13	1407.97	5211.99	0.42	0.15	0.55	-0.40
44	51700	Virginia Beach, VA-NC	Newport News city, VA	7783.43	989.81	5251.59	0.46	0.13	0.67	-0.55
44	51710	Virginia Beach, VA-NC	Norfolk city, VA	23940.41	19836.97	13701.36	0.51	0.83	0.57	0.26
44	51735	Virginia Beach, VA-NC	Poquoson city, VA	543.62	124.38	489.44	0.51	0.23	0.90	-0.67
44	51740	Virginia Beach, VA-NC	Portsmouth city, VA	8282.30	3012.80	5499.34	0.42	0.36	0.66	-0.30
44	51800	Virginia Beach, VA-NC	Suffolk city, VA	3644.27	432.46	1201.16	0.72	0.12	0.33	-0.21
44	51810	Virginia Beach, VA-NC	Virginia Beach city, VA	5784.32	2029.21	4440.02	0.46	0.35	0.77	-0.42
44	51830	Virginia Beach, VA-NC	Williamsburg city, VA	10701.95	5243.32	8297.73	0.35	0.49	0.78	-0.29
45	11001	Washington, DC-VA-MD-WV	District of Columbia, DC	103412.31	278466.16	251055.64	0.48	2.69	2.43	0.27
45	24009	Washington, DC-VA-MD-WV	Calvert County, MD	749.06	81.71	223.99	0.59	0.11	0.30	-0.19
45	24017	Washington, DC-VA-MD-WV	Charles County, MD	1687.64	256.60	804.78	0.69	0.15	0.48	-0.32
45	24033	Washington, DC-VA-MD-WV	Prince George's County, MD	13483.56	4281.39	7911.64	0.53	0.32	0.59	-0.27
45	51013	Washington, DC-VA-MD-WV	Arlington County, VA	160821.72	124125.48	228439.30	0.44	0.77	1.42	-0.65
45	51043	Washington, DC-VA-MD-WV	Clarke County, VA	1923.77	10.58	565.49	0.70	0.01	0.29	-0.29
45	51059	Washington, DC-VA-MD-WV	Fairfax County, VA	8621.35	2846.92	6580.00	0.53	0.33	0.76	-0.43
45	24021	Washington, DC-VA-MD-WV	Frederick County, MD	6470.46	591.54	2416.92	0.74	0.09	0.37	-0.28
45	24031	Washington, DC-VA-MD-WV	Montgomery County, MD	28646.38	29570.59	29099.92	0.62	1.03	1.02	0.02

Table S21 MSA definitions by the Office of Management and Budget in December 2009

	<u>Metropolitan Areas</u>
1	Atlanta-Sandy Springs-Marietta, GA
2	Austin-Round Rock-San Marcos, TX
3	Baltimore-Towson, MD
4	Birmingham-Hoover, AL
5	Boston-Cambridge-Quincy, MA-NH
6	Buffalo-Niagara Falls, NY
7	Charlotte-Gastonia-Rock Hill, NC-SC
8	Chicago-Joliet-Naperville, IL-IN-WI
9	Cincinnati-Middletown, OH-KY-IN
10	Cleveland-Elyria-Mentor, OH
11	Columbus, OH
12	Dallas-Fort Worth-Arlington, TX
13	Denver-Aurora-Broomfield, CO
14	Detroit-Warren-Livonia, MI
15	Hartford-West Hartford-East Hartford, CT
16	Houston-Sugar Land-Baytown, TX
17	Indianapolis-Carmel, IN
18	Kansas City, MO-KS
19	Las Vegas-Paradise, NV
20	Los Angeles-Long Beach-Santa Ana, CA
21	Louisville/Jefferson County, KY-IN
22	Miami-Fort Lauderdale-Pompano Beach, FL
23	Milwaukee-Waukesha-West Allis, WI
24	Minneapolis-St. Paul-Bloomington, MN-WI
25	Nashville-Davidson--Murfreesboro--Franklin, TN
26	New Orleans-Metairie-Kenner, LA
27	New York-Northern New Jersey-Long Island, NY-NJ-PA
28	Orlando-Kissimmee-Sanford, FL
29	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
30	Phoenix-Mesa-Glendale, AZ
31	Pittsburgh, PA
32	Portland-Vancouver-Hillsboro, OR-WA
33	Providence-New Bedford-Fall River, RI-MA
34	Raleigh-Cary, NC
35	Riverside-San Bernardino-Ontario, CA
36	Sacramento--Arden-Arcade--Roseville, CA
37	Salt Lake City, UT
38	San Antonio-New Braunfels, TX
39	San Diego-Carlsbad-San Marcos, CA
40	San Francisco-Oakland-Fremont, CA
41	San Jose-Sunnyvale-Santa Clara, CA
42	Seattle-Tacoma-Bellevue, WA
43	Tampa-St. Petersburg-Clearwater, FL
44	Virginia Beach-Norfolk-Newport News, VA-NC
45	Washington-Arlington-Alexandria, DC-VA-MD-WV