

## APPENDIX A

### RANGE OF TRIP RATES OBSERVED FOR PROGRAM DEMAND

Program Category	Number of Valid Samples	Observed Rate Annual One-Way Trips per Program Participant		
		Low	Average	High
Developmental Services	10	138.6	357.8	600.0
Developmental Service: Case Management	3	20.0	39.2	54.7
Developmental Services: Preschool	2	83.8	223.7	363.6
Group Home	11	196.2	615.3	1253.3
Headstart	21	62.5	263.2	511.3
Headstart-Home Base	2	25.0	30.5	36.0
Headstart-Other	2	1.7	1.9	2.0
Job Training	4	46.7	137.0	207.6
Mental Health Services	6	30.0	346.6	657.0
Mental Health Services-Case Management	2	2.4	6.4	10.3
Nursing Home	4	6.0	9.1	10.7
Senior Nutrition	5	117.6	248.2	372.3
Sheltered Workshop	15	135.7	384.0	700.0

## APPENDIX B

## AREA IN SQUARE MILES OF U.S. COUNTIES

State County	Area	State County	Area	State County	Area	State County	Area
AL Autauga	605.5	AL Perry	715.9	AZ Santa Cruz	1237.5	AR Nevada	620.4
AL Baldwin	1682.1	AL Pickens	887.7	AZ Yavapai	8135.5	AR Newton	822.4
AL Barbour	902.8	AL Pike	674.9	AZ Yuma	5503.5	AR Ouachita	741.7
AL Bibb	623.7	AL Randolph	585.3	AR Arkansas	1031.6	AR Perry	561.3
AL Blount	651.0	AL Russell	648.4	AR Ashley	942.5	AR Phillips	727.1
AL Bullock	625.6	AL Shelby	809.9	AR Baxter	588.0	AR Pike	613.6
AL Butler	780.9	AL St. Clair	651.0	AR Benton	877.8	AR Poinsett	766.6
AL Calhoun	612.5	AL Sumter	912.2	AR Boone	602.8	AR Polk	863.1
AL Chambers	601.2	AL Talladega	759.9	AR Bradley	656.5	AR Pope	830.9
AL Cherokee	597.1	AL Tallapoosa	766.7	AR Calhoun	630.5	AR Prairie	676.1
AL Chilton	699.7	AL Tuscaloosa	1355.9	AR Carroll	639.4	AR Pulaski	809.0
AL Choctaw	925.0	AL Walker	810.2	AR Chicot	687.8	AR Randolph	658.5
AL Clarke	1250.2	AL Washington	1090.5	AR Clark	881.9	AR Saline	729.9
AL Clay	606.3	AL Wilcox	909.7	AR Clay	640.4	AR Scott	897.8
AL Cleburne	561.2	AL Winston	631.0	AR Cleburne	592.2	AR Searcy	669.1
AL Coffee	679.3	AK Aleutians East Borough	6981.1	AR Cleveland	597.2	AR Sebastian	549.3
AL Colbert	622.5	AK Aleutians W. Census Area	4399.8	AR Columbia	767.5	AR Sevier	578.9
AL Conecuh	850.7	AK Anchorage Borough	1696.8	AR Conway	566.3	AR Sharp	602.9
AL Coosa	666.0	AK Bethel Census Area	41066.1	AR Craighead	709.1	AR St. Francis	637.8
AL Covington	1047.0	AK Bristol Bay Borough	519.0	AR Crawford	605.3	AR Stone	609.6
AL Crenshaw	609.3	AK Dillingham Census Area	18457.3	AR Crittenden	634.6	AR Union	1055.0
AL Cullman	753.6	AK Fairbanks North Star Bor.	7358.6	AR Cross	628.4	AR Van Buren	723.3
AL Dale	563.2	AK Haines Borough	2355.8	AR Dallas	668.0	AR Washington	957.1
AL Dallas	994.7	AK Juneau Borough	2592.2	AR Desha	812.6	AR White	1040.2
AL De Kalb	775.8	AK Kenai Peninsula Borough	16070.6	AR Drew	835.0	AR Woodruff	592.8
AL Elmore	657.4	AK Ketchikan Gateway Borough	1219.0	AR Faulkner	662.5	AR Yell	949.1
AL Escambia	958.6	AK Kodiak Island Borough	6459.2	AR Franklin	619.1	CA Alameda	744.0
AL Etowah	551.4	AK Lake & Peninsula Borough	23620.1	AR Fulton	619.7	CA Alpine	737.3
AL Fayette	630.0	AK Matanuska-Susitna Borough	24680.8	AR Garland	734.2	CA Amador	604.5
AL Franklin	647.8	AK Nome Census Area	23000.6	AR Grant	634.0	CA Butte	1677.1
AL Geneva	576.2	AK North Slope Borough	87814.9	AR Greene	577.4	CA Calaveras	1036.8
AL Greene	658.6	AK Northwest Arctic Borough	35843.9	AR Hempstead	742.2	CA Colusa	1156.0
AL Hale	664.1	AK P.of Wales-Out.Ketch C.A.	7320.7	AR Hot Spring	620.9	CA Contra Costa	756.8
AL Henry	566.4	AK S.E. Fairbanks C.A.	25980.6	AR Howard	595.6	CA Del Norte	1030.8
AL Houston	585.3	AK Sitka Borough	2880.0	AR Independence	768.9	CA El Dorado	1792.0
AL Jackson	1127.1	AK Skagway-Yakutat-Angoon	12873.9	AR IZard	585.0	CA Fresno	6012.3
AL Jefferson	1124.5	AK Valdez-Cordova C.A.	36926.2	AR Jackson	641.0	CA Glenn	1324.1
AL Lamar	605.4	AK Wade Hampton Census Area	17115.2	AR Jefferson	917.9	CA Humboldt	3625.9
AL Lauderdale	716.1	AK Wrangell-Petersburg C.A.	5805.5	AR Johnson	683.1	CA Imperial	4489.2
AL Lawrence	714.9	AK Yukon-Koyukuk Census Area	157039.7	AR Lafayette	547.0	CA Inyo	10188.3
AL Lee	614.9	AZ Apache	11225.8	AR Lawrence	596.3	CA Kern	8148.9
AL Limestone	606.0	AZ Cochise	6224.6	AR Lee	628.1	CA Kings	1394.5
AL Lowndes	723.5	AZ Coconino	18662.3	AR Lincoln	569.6	CA Lake	1329.8
AL Macon	613.1	AZ Gila	4789.4	AR Little River	563.8	CA Lassen	4716.9
AL Madison	815.3	AZ Graham	4650.7	AR Logan	731.7	CA Los Angeles	4119.0
AL Marengo	981.6	AZ Greenlee	1838.3	AR Lonoke	805.8	CA Madera	2156.7
AL Marion	745.1	AZ La Paz	4526.3	AR Madison	838.1	CA Marin	548.1
AL Marshall	620.9	AZ Maricopa	9211.0	AR Marion	639.3	CA Mariposa	1462.2
AL Mobile	1267.2	AZ Mohave	13474.7	AR Miller	637.5	CA Mendocino	3530.7
AL Monroe	1031.6	AZ Navajo	9965.2	AR Mississippi	928.3	CA Merced	1968.5
AL Montgomery	802.0	AZ Pima	9178.6	AR Monroe	621.7	CA Modoc	4200.7
AL Morgan	598.3	AZ Pinal	5375.3	AR Montgomery	801.9	CA Mono	3109.1

State	County	Area	State	County	Area	State	County	Area
CA	Monterey	3323.3	CO	Elbert	1853.6	DE	New Castle	462.5
CA	Napa	792.1	CO	Fremont	1536.8	DE	Sussex	977.5
CA	Nevada	978.8	CO	Garfield	2942.2	DC	District of Columbia	70.4
CA	Orange	805.3	CO	Gilpin	152.1	FL	Alachua	971.8
CA	Placer	1493.3	CO	Grand	1867.2	FL	Baker	591.7
CA	Plumas	2611.3	CO	Gunnison	3262.9	FL	Bay	886.0
CA	Riverside	7292.1	CO	Hinsdale	1122.8	FL	Bradford	298.2
CA	Sacramento	993.9	CO	Huerfano	1587.6	FL	Brevard	1299.6
CA	San Benito	1392.7	CO	Jackson	1615.4	FL	Broward	1219.9
CA	San Bernardino	20115.6	CO	Jefferson	775.4	FL	Calhoun	574.3
CA	San Diego	4270.4	CO	Kiowa	1785.5	FL	Charlotte	813.0
CA	San Francisco	45.6	CO	Kit Carson	2152.6	FL	Citrus	666.5
CA	San Joaquin	1422.5	CO	La Plata	1697.8	FL	Clay	647.9
CA	San Luis Obispo	3333.2	CO	Lake	382.3	FL	Collier	2106.6
CA	San Mateo	461.7	CO	Larimer	2636.1	FL	Columbia	798.7
CA	Santa Barbara	2746.5	CO	Las Animas	4758.3	FL	Dade	2020.2
CA	Santa Clara	1300.0	CO	Lincoln	2590.3	FL	De Soto	641.1
CA	Santa Cruz	450.4	CO	Logan	1843.4	FL	Dixie	725.0
CA	Shasta	3853.5	CO	Mesa	3357.3	FL	Duval	848.7
CA	Sierra	962.9	CO	Mineral	879.5	FL	Escambia	752.4
CA	Siskiyou	6347.1	CO	Moffat	4740.0	FL	Flagler	508.6
CA	Solano	890.8	CO	Montezuma	2047.2	FL	Franklin	563.2
CA	Sonoma	1598.7	CO	Montrose	2239.4	FL	Gadsden	532.8
CA	Stanislaus	1519.3	CO	Morgan	1297.9	FL	Gilchrist	355.1
CA	Sutter	611.0	CO	Otero	1264.2	FL	Glades	829.9
CA	Tehama	2959.6	CO	Ouray	541.7	FL	Gulf	564.4
CA	Trinity	3206.1	CO	Park	2205.1	FL	Hamilton	517.1
CA	Tulare	4832.8	CO	Phillips	689.1	FL	Hardee	637.9
CA	Tuolumne	2279.0	CO	Pitkin	968.3	FL	Hendry	1166.4
CA	Ventura	1840.5	CO	Prowers	1645.4	FL	Hernando	501.6
CA	Yolo	1019.0	CO	Pueblo	2401.7	FL	Highlands	1108.0
CA	Yuba	644.5	CO	Rio Blanco	3238.6	FL	Hillsborough	1096.9
CO	Adams	1234.4	CO	Rio Grande	918.2	FL	Holmes	490.6
CO	Alamosa	720.2	CO	Routt	2365.1	FL	Indian River	540.3
CO	Arapahoe	804.8	CO	Saguache	3168.3	FL	Jackson	951.5
CO	Archuleta	1353.6	CO	San Juan	389.1	FL	Jefferson	614.1
CO	Baca	2550.6	CO	San Miguel	1298.1	FL	Lafayette	548.1
CO	Bent	1545.2	CO	Sedgwick	548.8	FL	Lake	1155.9
CO	Boulder	750.3	CO	Summit	620.2	FL	Lee	1042.8
CO	Chaffee	1007.6	CO	Teller	562.8	FL	Leon	700.5
CO	Cheyenne	1789.9	CO	Washington	2523.3	FL	Levy	1172.5
CO	Clear Creek	400.4	CO	Weld	4015.0	FL	Liberty	842.5
CO	Conejos	1287.7	CO	Yuma	2368.8	FL	Madison	715.0
CO	Costilla	1237.2	CT	Fairfield	665.2	FL	Manatee	800.2
CO	Crowley	797.9	CT	Hartford	747.8	FL	Marion	1664.2
CO	Custer	744.2	CT	Litchfield	943.5	FL	Martin	580.6
CO	Delta	1146.8	CT	Middlesex	389.3	FL	Monroe	1338.7
CO	Denver	118.8	CT	New Haven	629.4	FL	Nassau	674.4
CO	Dolores	1056.5	CT	New London	704.1	FL	Okaloosa	995.4
CO	Douglas	842.7	CT	Tolland	416.3	FL	Okeechobee	775.4
CO	Eagle	1695.4	CT	Windham	521.2	FL	Orange	1003.8
CO	El Paso	2127.2	DE	Kent	600.3	FL	Osceola	1504.9
						FL	Palm Beach	1990.9
						FL	Pasco	765.9
						FL	Pinellas	348.4
						FL	Polk	2011.3
						FL	Putnam	824.8
						FL	Santa Rosa	1136.9
						FL	Sarasota	605.4
						FL	Seminole	345.0
						FL	St. Johns	672.0
						FL	St. Lucie	611.9
						FL	Sumter	580.3
						FL	Suwannee	692.4
						FL	Taylor	1060.2
						FL	Union	246.9
						FL	Volusia	1271.6
						FL	Wakulla	635.5
						FL	Walton	1153.2
						FL	Washington	615.7
						GA	Appling	511.2
						GA	Atkinson	344.3
						GA	Bacon	285.5
						GA	Baker	349.3
						GA	Baldwin	264.3
						GA	Banks	231.4
						GA	Barrow	163.0
						GA	Bartow	471.9
						GA	Ben Hill	256.8
						GA	Berrien	457.7
						GA	Bibb	254.8
						GA	Bleckley	218.8
						GA	Brantley	448.3
						GA	Brooks	497.9
						GA	Bryan	456.2
						GA	Bulloch	687.1
						GA	Burke	830.5
						GA	Butts	188.9
						GA	Calhoun	282.9
						GA	Camden	687.2
						GA	Candler	248.3
						GA	Carroll	501.6
						GA	Catoosa	162.7
						GA	Charlton	781.0
						GA	Chatham	498.9
						GA	Chattahoochee	250.3
						GA	Chattooga	315.7
						GA	Cherokee	435.3
						GA	Clarke	122.3
						GA	Clay	215.8
						GA	Clayton	147.3
						GA	Clinch	823.4
						GA	Cobb	342.7
						GA	Coffee	602.9

State	County	Area	State	County	Area	State	County	Area	State	County	Area
GA	Colquitt	557.4	GA	Laurens	816.2	GA	Towns	171.6	ID	Jerome	602.1
GA	Columbia	308.9	GA	Lee	362.6	GA	Treutlen	203.7	ID	Kootenai	1310.7
GA	Cook	232.1	GA	Liberty	543.4	GA	Troup	445.6	ID	Latah	1073.6
GA	Coweta	445.6	GA	Lincoln	254.6	GA	Turner	290.4	ID	Lemhi	4573.6
GA	Crawford	325.6	GA	Long	403.1	GA	Twiggs	362.1	ID	Lewis	480.6
GA	Crisp	280.4	GA	Lowndes	514.8	GA	Union	329.0	ID	Lincoln	1205.4
GA	Dade	174.4	GA	Lumpkin	287.5	GA	Upson	326.6	ID	Madison	471.7
GA	Dawson	214.2	GA	Macon	403.9	GA	Walker	448.3	ID	Minidoka	761.8
GA	De Kalb	270.5	GA	Madison	286.6	GA	Walton	330.4	ID	Nez Perce	853.7
GA	Decatur	619.0	GA	Marion	367.1	GA	Ware	906.1	ID	Oneida	1209.5
GA	Dodge	503.9	GA	McDuffie	266.7	GA	Warren	285.6	ID	Owyhee	7686.5
GA	Dooly	399.1	GA	McIntosh	476.1	GA	Washington	684.4	ID	Payette	412.5
GA	Dougherty	333.4	GA	Meriwether	504.2	GA	Wayne	647.8	ID	Power	1439.6
GA	Douglas	198.3	GA	Miller	284.7	GA	Webster	208.9	ID	Shoshone	2627.6
GA	Early	518.0	GA	Mitchell	513.4	GA	Wheeler	298.0	ID	Teton	445.8
GA	Echols	420.1	GA	Monroe	398.6	GA	White	241.3	ID	Twin Falls	1917.9
GA	Effingham	482.7	GA	Montgomery	246.6	GA	Whitfield	291.7	ID	Valley	3736.9
GA	Elbert	374.4	GA	Morgan	354.0	GA	Wilcox	382.0	ID	Washington	1475.0
GA	Emanuel	688.2	GA	Murray	345.8	GA	Wilkes	474.0	IL	Adams	871.6
GA	Evans	186.0	GA	Muscogee	221.5	GA	Wilkinson	453.8	IL	Alexander	253.9
GA	Fannin	390.0	GA	Newton	279.3	GA	Worth	574.9	IL	Bond	381.1
GA	Fayette	199.4	GA	Oconee	186.9	HI	Hawaii	4026.1	IL	Boone	280.9
GA	Floyd	521.0	GA	Oglethorpe	441.9	HI	Honolulu	596.0	IL	Brown	304.8
GA	Forsyth	245.2	GA	Paulding	315.7	HI	Kalawao	13.2	IL	Bureau	876.0
GA	Franklin	267.5	GA	Peach	153.0	HI	Kauai	622.2	IL	Calhoun	284.9
GA	Fulton	539.2	GA	Pickens	233.2	HI	Maui	1158.7	IL	Carroll	466.6
GA	Gilmer	430.6	GA	Pierce	343.8	ID	Ada	1055.9	IL	Cass	382.3
GA	Glascock	148.5	GA	Pike	217.4	ID	Adams	1368.9	IL	Champaign	994.9
GA	Glynn	458.2	GA	Polk	311.5	ID	Bannock	1147.8	IL	Christian	714.6
GA	Gordon	355.2	GA	Pulaski	250.3	ID	Bear Lake	1053.3	IL	Clark	503.8
GA	Grady	460.8	GA	Putnam	360.1	ID	Benewah	791.1	IL	Clay	470.1
GA	Greene	407.2	GA	Quitman	161.1	ID	Bingham	2121.3	IL	Clinton	505.0
GA	Gwinnett	436.5	GA	Rabun	377.0	ID	Blaine	2657.9	IL	Coles	508.0
GA	Habersham	279.6	GA	Randolph	430.7	ID	Boise	1911.0	IL	Cook	962.3
GA	Hall	427.5	GA	Richmond	328.4	ID	Bonner	1922.9	IL	Crawford	449.4
GA	Hancock	478.6	GA	Rockdale	132.6	ID	Bonneville	1900.0	IL	Cumberland	348.4
GA	Haralson	284.0	GA	Schley	171.3	ID	Boundary	1278.5	IL	De Kalb	634.3
GA	Harris	476.3	GA	Screven	655.7	ID	Butte	2238.1	IL	De Witt	404.6
GA	Hart	255.3	GA	Seminole	257.2	ID	Camas	1075.5	IL	Douglas	417.2
GA	Heard	300.7	GA	Spalding	198.9	ID	Canyon	603.0	IL	Du Page	337.9
GA	Henry	321.5	GA	Stephens	182.4	ID	Caribou	1796.7	IL	Edgar	623.4
GA	Houston	381.7	GA	Stewart	462.8	ID	Cassia	2585.4	IL	Edwards	223.9
GA	Irwin	363.9	GA	Sumter	488.9	ID	Clark	1766.1	IL	Effingham	482.0
GA	Jackson	342.9	GA	Talbot	394.8	ID	Clearwater	2492.3	IL	Fayette	723.8
GA	Jasper	375.2	GA	Taliaferro	196.0	ID	Custer	4933.8	IL	Ford	485.7
GA	Jeff Davis	335.3	GA	Tattnall	486.8	ID	Elmore	3110.2	IL	Franklin	430.4
GA	Jefferson	527.9	GA	Taylor	381.5	ID	Franklin	667.1	IL	Fulton	884.5
GA	Jenkins	353.1	GA	Telfair	443.3	ID	Fremont	1891.6	IL	Gallatin	328.7
GA	Johnson	306.9	GA	Terrell	338.8	ID	Gem	561.5	IL	Greene	547.5
GA	Jones	394.5	GA	Thomas	552.4	ID	Gooding	733.8	IL	Grundy	431.2
GA	Lamar	187.2	GA	Tift	267.6	ID	Idaho	8505.8	IL	Hamilton	435.6
GA	Lanier	198.8	GA	Toombs	371.7	ID	Jefferson	1104.7	IL	Hancock	816.8

State	County	Area	State	County	Area	State	County	Area	State	County	Area
IL	Hardin	179.4	IL	St. Clair	676.0	IN	Jasper	562.9	IN	Wayne	403.8
IL	Henderson	396.1	IL	Stark	287.3	IN	Jay	384.5	IN	Wells	370.4
IL	Henry	823.4	IL	Stephenson	561.9	IN	Jefferson	363.6	IN	White	507.1
IL	Iroquois	1118.1	IL	Tazewell	657.3	IN	Jennings	379.4	IN	Whitley	338.6
IL	Jackson	601.2	IL	Union	425.3	IN	Johnson	321.3	IA	Adair	570.2
IL	Jasper	496.2	IL	Vermilion	903.5	IN	Knox	524.3	IA	Adams	426.2
IL	Jefferson	582.4	IL	Wabash	225.7	IN	Kosciusko	554.4	IA	Allamakee	657.1
IL	Jersey	377.3	IL	Warren	542.6	IN	La Porte	606.8	IA	Appanoose	517.0
IL	Jo Daviess	620.6	IL	Washington	562.1	IN	Lagrange	386.7	IA	Audubon	443.3
IL	Johnson	348.3	IL	Wayne	713.5	IN	Lake	505.2	IA	Benton	722.1
IL	Kane	524.4	IL	White	502.1	IN	Lawrence	452.4	IA	Black Hawk	573.1
IL	Kankakee	680.4	IL	Whiteside	695.9	IN	Madison	452.6	IA	Boone	573.4
IL	Kendall	321.7	IL	Will	850.3	IN	Marion	402.5	IA	Bremer	439.6
IL	Knox	720.3	IL	Williamson	444.7	IN	Marshall	449.6	IA	Buchanan	572.6
IL	La Salle	1146.7	IL	Winnebago	520.3	IN	Martin	339.8	IA	Buena Vista	580.2
IL	Lake	470.3	IL	Woodford	541.4	IN	Miami	376.9	IA	Butler	581.3
IL	Lawrence	376.1	IN	Adams	340.5	IN	Monroe	409.4	IA	Calhoun	573.1
IL	Lee	728.9	IN	Allen	659.7	IN	Montgomery	505.4	IA	Carroll	570.1
IL	Livingston	1047.3	IN	Bartholomew	410.7	IN	Morgan	408.8	IA	Cass	566.3
IL	Logan	618.7	IN	Benton	406.3	IN	Newton	403.1	IA	Cedar	583.4
IL	Macon	584.7	IN	Blackford	165.1	IN	Noble	416.7	IA	Cerro Gordo	574.8
IL	Macoupin	868.6	IN	Boone	425.0	IN	Ohio	84.3	IA	Cherokee	576.7
IL	Madison	738.9	IN	Brown	317.7	IN	Orange	409.4	IA	Chickasaw	505.1
IL	Marion	580.5	IN	Carroll	374.6	IN	Owen	387.9	IA	Clarke	433.7
IL	Marshall	399.6	IN	Cass	415.2	IN	Parke	450.0	IA	Clay	572.4
IL	Mason	561.6	IN	Clark	373.1	IN	Perry	386.3	IA	Clayton	795.7
IL	Massac	243.1	IN	Clay	360.7	IN	Pike	343.4	IA	Clinton	712.2
IL	McDonough	588.9	IN	Clinton	403.1	IN	Porter	420.3	IA	Crawford	715.3
IL	McHenry	610.5	IN	Crawford	305.5	IN	Posey	419.7	IA	Dallas	591.0
IL	McLean	1187.2	IN	Daviess	435.1	IN	Pulaski	434.7	IA	Davis	503.5
IL	Menard	316.7	IN	De Kalb	363.9	IN	Putnam	483.1	IA	Decatur	533.0
IL	Mercer	565.7	IN	Dearborn	307.5	IN	Randolph	452.8	IA	Delaware	579.8
IL	Monroe	399.1	IN	Decatur	372.6	IN	Ripley	446.9	IA	Des Moines	427.6
IL	Montgomery	708.2	IN	Delaware	396.9	IN	Rush	408.5	IA	Dickinson	403.2
IL	Morgan	574.6	IN	Dubois	435.8	IN	Scott	193.4	IA	Dubuque	615.1
IL	Moultrie	343.8	IN	Elkhart	466.5	IN	Shelby	413.2	IA	Emmet	401.8
IL	Ogle	764.0	IN	Fayette	215.3	IN	Spencer	400.2	IA	Fayette	731.5
IL	Peoria	630.7	IN	Floyd	151.2	IN	St. Joseph	463.2	IA	Floyd	502.2
IL	Perry	448.9	IN	Fountain	398.1	IN	Starke	311.0	IA	Franklin	582.6
IL	Piatt	441.7	IN	Franklin	392.0	IN	Steuben	322.3	IA	Fremont	519.2
IL	Pike	852.3	IN	Fulton	370.9	IN	Sullivan	453.5	IA	Greene	571.9
IL	Pope	374.0	IN	Gibson	496.8	IN	Switzerland	222.9	IA	Grundy	502.5
IL	Pulaski	203.6	IN	Grant	414.6	IN	Tippicanoe	503.7	IA	Guthrie	593.2
IL	Putnam	172.8	IN	Greene	546.6	IN	Tipton	259.8	IA	Hamilton	577.1
IL	Randolph	592.4	IN	Hamilton	402.7	IN	Union	165.0	IA	Hancock	573.5
IL	Richland	361.3	IN	Hancock	307.4	IN	Vanderburgh	236.5	IA	Hardin	569.8
IL	Rock Island	452.7	IN	Harrison	487.4	IN	Vermillion	259.6	IA	Harrison	695.7
IL	Saline	386.2	IN	Hendricks	409.5	IN	Vigo	409.9	IA	Henry	436.3
IL	Sangamon	877.1	IN	Henry	394.8	IN	Wabash	422.7	IA	Howard	471.7
IL	Schuyler	441.5	IN	Howard	294.6	IN	Warren	366.1	IA	Humboldt	436.5
IL	Scott	252.3	IN	Huntington	387.0	IN	Warrick	391.7	IA	Ida	431.4
IL	Shelby	768.6	IN	Jackson	514.4	IN	Washington	515.9	IA	Iowa	587.5



State	County	Area	State	County	Area	State	County	Area	State	County	Area
KY	Hickman	255.3	KY	Scott	286.6	LA	Ouachita	632.4	MD	Charles	487.8
KY	Hopkins	555.9	KY	Shelby	385.6	LA	Plaquemines	1406.8	MD	Dorchester	661.9
KY	Jackson	346.1	KY	Simpson	236.1	LA	Pointe Coupee	592.0	MD	Frederick	665.2
KY	Jefferson	398.5	KY	Spencer	191.3	LA	Rapides	1362.6	MD	Garrett	662.9
KY	Jessamine	174.0	KY	Taylor	277.9	LA	Red River	401.8	MD	Harford	463.7
KY	Johnson	262.7	KY	Todd	378.4	LA	Richland	562.7	MD	Howard	254.1
KY	Kenton	164.8	KY	Trigg	482.7	LA	Sabine	1011.4	MD	Kent	303.8
KY	Knott	353.7	KY	Trimble	157.8	LA	St. Bernard	741.9	MD	Montgomery	506.3
KY	Knox	387.3	KY	Union	361.3	LA	St. Charles	357.5	MD	Prince George's	497.1
KY	Larue	262.9	KY	Warren	548.0	LA	St. Helena	408.7	MD	Queen Anne's	402.1
KY	Laurel	446.6	KY	Washington	300.1	LA	St. James	252.0	MD	Somerset	376.6
KY	Lawrence	420.4	KY	Wayne	483.3	LA	St. John the Baptist	287.4	MD	St. Mary's	407.5
KY	Lee	211.7	KY	Webster	339.0	LA	St. Landry	935.2	MD	Talbot	323.7
KY	Leslie	405.4	KY	Whitley	444.0	LA	St. Martin	820.2	MD	Washington	467.1
KY	Letcher	339.3	KY	Wolfe	224.1	LA	St. Mary	693.0	MD	Wicomico	393.9
KY	Lewis	494.2	KY	Woodford	190.8	LA	St. Tammany	871.0	MD	Worcester	583.0
KY	Lincoln	335.9	LA	Acadia	657.4	LA	Tangipahoa	812.7	MA	Barnstable	455.7
KY	Livingston	341.4	LA	Allen	767.4	LA	Tensas	641.5	MA	Berkshire	948.4
KY	Logan	556.6	LA	Ascension	304.1	LA	Terrebonne	1597.9	MA	Bristol	593.8
KY	Lyon	258.0	LA	Assumption	365.5	LA	Union	906.1	MA	Dukes	124.8
KY	Madison	445.0	LA	Avoyelles	865.7	LA	Vermilion	1315.5	MA	Essex	550.5
KY	Magoffin	308.7	LA	Beauregard	1163.4	LA	Vernon	1343.5	MA	Franklin	723.5
KY	Marion	347.1	LA	Bienville	820.6	LA	Washington	678.5	MA	Hampden	637.4
KY	Marshall	340.9	LA	Bossier	868.3	LA	Webster	616.1	MA	Hampshire	544.0
KY	Martin	231.1	LA	Caddo	935.5	LA	West Baton Rouge	202.0	MA	Middlesex	846.5
KY	Mason	247.3	LA	Calcasieu	1092.1	LA	West Carroll	360.5	MA	Nantucket	53.7
KY	McCracken	268.1	LA	Caldwell	539.3	LA	West Feliciana	426.8	MA	Norfolk	423.6
KY	McCreary	430.8	LA	Cameron	1659.2	LA	Winn	958.9	MA	Plymouth	717.6
KY	McLean	256.5	LA	Catahoula	739.0	ME	Androscoggin	499.0	MA	Suffolk	81.6
KY	Meade	321.2	LA	Claiborne	764.8	ME	Aroostook	6822.2	MA	Worcester	1580.6
KY	Menifee	204.3	LA	Concordia	748.8	ME	Cumberland	1078.5	MI	Alcona	695.7
KY	Mercer	253.1	LA	De Soto	894.9	ME	Franklin	1741.1	MI	Alger	951.4
KY	Metcalfe	293.5	LA	East Baton Rouge	474.0	ME	Hancock	1925.2	MI	Allegan	840.5
KY	Monroe	330.5	LA	East Carroll	442.8	ME	Kennebec	954.4	MI	Alpena	599.1
KY	Montgomery	199.3	LA	East Feliciana	455.9	ME	Knox	466.6	MI	Antrim	524.1
KY	Morgan	386.5	LA	Evangeline	681.9	ME	Lincoln	549.3	MI	Arenac	373.1
KY	Muhlenberg	477.2	LA	Franklin	638.6	ME	Oxford	2146.0	MI	Baraga	928.9
KY	Nelson	427.4	LA	Grant	661.0	ME	Penobscot	3557.4	MI	Barry	579.5
KY	Nicholas	198.2	LA	Iberia	631.3	ME	Piscataquis	4383.0	MI	Bay	456.9
KY	Ohio	594.7	LA	Iberville	652.3	ME	Sagadahoc	301.8	MI	Benzie	347.5
KY	Oldham	197.5	LA	Jackson	579.3	ME	Somerset	4090.4	MI	Berrien	581.9
KY	Owen	353.1	LA	Jefferson	484.1	ME	Waldo	770.7	MI	Branch	518.7
KY	Owsley	197.3	LA	Jefferson Davis	660.3	ME	Washington	2949.5	MI	Calhoun	720.4
KY	Pendleton	282.7	LA	La Salle	664.4	ME	York	1029.1	MI	Cass	511.8
KY	Perry	343.2	LA	Lafayette	270.3	MD	Allegany	419.7	MI	Charlevoix	439.0
KY	Pike	786.8	LA	Lafourche	1290.6	MD	Anne Arundel	454.1	MI	Cheboygan	798.7
KY	Powell	180.7	LA	Lincoln	472.1	MD	Baltimore	630.6	MI	Chippewa	1774.7
KY	Pulaski	677.9	LA	Livingston	697.9	MD	Baltimore City	92.2	MI	Clare	575.1
KY	Robertson	100.6	LA	Madison	649.6	MD	Calvert	242.1	MI	Clinton	575.2
KY	Rockcastle	317.9	LA	Morehouse	807.6	MD	Caroline	324.9	MI	Crawford	565.4
KY	Rowan	286.0	LA	Natchitoches	1301.3	MD	Carroll	455.7	MI	Delta	1196.0
KY	Russell	287.6	LA	Orleans	205.7	MD	Cecil	383.9	MI	Dickinson	781.4

State	County	Area	State	County	Area	State	County	Area	State	County	Area
MI	Eaton	578.9	MI	Schoolcraft	1220.6	MN	Marshall	1803.6	MS	Chickasaw	505.0
MI	Emmet	483.8	MI	Shiawassee	543.6	MN	Martin	729.6	MS	Choctaw	421.2
MI	Genesee	646.5	MI	St. Clair	754.2	MN	McLeod	504.2	MS	Claiborne	498.7
MI	Gladwin	516.4	MI	St. Joseph	517.9	MN	Meeker	645.5	MS	Clarke	693.4
MI	Gogebic	1142.1	MI	Tuscola	817.6	MN	Mille Lacs	682.9	MS	Clay	413.8
MI	Grand Traverse	494.8	MI	Van Buren	627.5	MN	Morrison	1153.3	MS	Coahoma	585.0
MI	Gratiot	571.1	MI	Washtenaw	724.7	MN	Mower	711.3	MS	Copiah	778.9
MI	Hillsdale	607.3	MI	Wayne	635.3	MN	Murray	718.3	MS	Covington	416.2
MI	Houghton	1040.6	MI	Wexford	577.0	MN	Nicollet	465.1	MS	De Soto	495.9
MI	Huron	852.6	MN	Aitkin	1999.5	MN	Nobles	722.6	MS	Forrest	468.9
MI	Ingham	559.1	MN	Anoka	446.8	MN	Norman	877.3	MS	Franklin	567.1
MI	Ionia	578.4	MN	Becker	1440.4	MN	Olmsted	654.9	MS	George	481.5
MI	Iosco	564.9	MN	Beltrami	3051.2	MN	Otter Tail	2228.7	MS	Greene	718.0
MI	Iron	1210.3	MN	Benton	411.5	MN	Pennington	618.9	MS	Grenada	448.8
MI	Isabella	579.0	MN	Big Stone	527.8	MN	Pine	1434.9	MS	Hancock	486.3
MI	Jackson	722.9	MN	Blue Earth	767.0	MN	Pipestone	464.9	MS	Harrison	588.2
MI	Kalamazoo	579.7	MN	Brown	620.0	MN	Polk	2005.2	MS	Hinds	877.2
MI	Kalkaska	569.1	MN	Carlton	872.0	MN	Pope	718.7	MS	Holmes	764.2
MI	Kent	874.8	MN	Carver	376.4	MN	Ramsey	170.3	MS	Humphreys	433.0
MI	Keweenaw	591.9	MN	Cass	2408.7	MN	Red Lake	433.0	MS	Issaquena	440.5
MI	Lake	573.5	MN	Chippewa	589.3	MN	Redwood	882.2	MS	Itawamba	538.3
MI	Lapeer	660.4	MN	Chisago	438.3	MN	Renville	987.7	MS	Jackson	751.0
MI	Leelanau	372.6	MN	Clay	1052.8	MN	Rice	514.5	MS	Jasper	675.6
MI	Lenawee	760.9	MN	Clearwater	1031.8	MN	Rock	484.0	MS	Jefferson	529.0
MI	Livingston	584.9	MN	Cook	1615.5	MN	Roseau	1681.4	MS	Jefferson Davis	408.7
MI	Luce	929.1	MN	Cottonwood	647.7	MN	Scott	366.9	MS	Jones	700.0
MI	Mackinac	1093.2	MN	Crow Wing	1156.2	MN	Sherburne	446.0	MS	Kemper	766.0
MI	Macomb	483.9	MN	Dakota	586.1	MN	Sibley	599.9	MS	Lafayette	681.0
MI	Manistee	559.2	MN	Dodge	441.4	MN	St. Louis	6747.0	MS	Lamar	501.5
MI	Marquette	1876.9	MN	Douglas	718.1	MN	Stearns	1392.0	MS	Lauderdale	713.6
MI	Mason	511.2	MN	Faribault	721.6	MN	Steele	429.9	MS	Lawrence	434.8
MI	Mecosta	571.4	MN	Fillmore	864.0	MN	Stevens	575.0	MS	Leake	581.0
MI	Menominee	1051.6	MN	Freeborn	722.6	MN	Swift	750.6	MS	Lee	454.2
MI	Midland	527.0	MN	Goodhue	781.5	MN	Todd	981.1	MS	Leflore	606.2
MI	Missaukee	574.7	MN	Grant	573.8	MN	Traverse	588.7	MS	Lincoln	588.3
MI	Monroe	563.4	MN	Hennepin	606.5	MN	Wabasha	550.6	MS	Lowndes	518.5
MI	Montcalm	720.1	MN	Houston	570.2	MN	Wadena	543.5	MS	Madison	741.8
MI	Montmorency	563.1	MN	Hubbard	1002.3	MN	Waseca	432.2	MS	Marion	547.8
MI	Muskegon	526.8	MN	Isanti	454.9	MN	Washington	423.8	MS	Marshall	708.9
MI	Newaygo	862.1	MN	Itasca	2926.0	MN	Watsonwan	439.2	MS	Monroe	774.3
MI	Oakland	909.5	MN	Jackson	721.8	MN	Wilkin	750.4	MS	Montgomery	407.7
MI	Oceana	546.2	MN	Kanabec	529.4	MN	Winona	639.7	MS	Neshoba	576.5
MI	Ogemaw	574.2	MN	Kandiyohi	859.8	MN	Wright	718.5	MS	Newton	580.2
MI	Ontonagon	1329.7	MN	Kittson	1103.2	MN	Yellow Medicine	764.7	MS	Noxubee	699.2
MI	Osceola	573.0	MN	Koochiching	3157.6	MS	Adams	485.1	MS	Oktibbeha	459.8
MI	Oscoda	572.0	MN	Lac Qui Parle	778.9	MS	Alcorn	401.2	MS	Panola	702.7
MI	Otsego	527.8	MN	Lake	2291.9	MS	Amite	731.5	MS	Pearl River	819.8
MI	Ottawa	577.1	MN	Lake of the Woods	1777.6	MS	Attala	736.7	MS	Perry	651.5
MI	Presque Isle	691.7	MN	Le Sueur	475.7	MS	Benton	408.0	MS	Pike	411.3
MI	Roscommon	575.4	MN	Lincoln	548.6	MS	Bolivar	912.6	MS	Pontotoc	500.6
MI	Saginaw	815.1	MN	Lyon	721.6	MS	Calhoun	588.4	MS	Prentiss	419.4
MI	Sanilac	964.7	MN	Mahnomen	581.0	MS	Carroll	632.4	MS	Quitman	407.5

State	County	Area	State	County	Area	State	County	Area	State	County	Area
MS	Rankin	805.7	MO	Daviess	567.8	MO	Platte	425.9	MT	Granite	1731.5
MS	Scott	613.0	MO	De Kalb	425.4	MO	Polk	643.7	MT	Hill	2919.9
MS	Sharkey	434.6	MO	Dent	754.0	MO	Pulaski	552.5	MT	Jefferson	1660.4
MS	Simpson	590.5	MO	Douglas	814.6	MO	Putnam	522.0	MT	Judith Basin	1871.1
MS	Smith	638.1	MO	Dunklin	545.1	MO	Ralls	487.9	MT	Lake	1655.8
MS	Stone	447.8	MO	Franklin	932.1	MO	Randolph	485.5	MT	Lewis and Clark	3499.0
MS	Sunflower	707.5	MO	Gasconade	522.0	MO	Ray	575.9	MT	Liberty	1444.8
MS	Tallahatchie	655.7	MO	Gentry	491.9	MO	Reynolds	814.0	MT	Lincoln	3677.2
MS	Tate	411.6	MO	Greene	679.0	MO	Ripley	631.4	MT	Madison	3598.1
MS	Tippah	458.5	MO	Grundy	440.2	MO	Saline	766.8	MT	McCone	2681.0
MS	Tishomingo	442.9	MO	Harrison	724.2	MO	Schuyler	309.7	MT	Meagher	2393.7
MS	Tunica	478.3	MO	Henry	727.9	MO	Scotland	439.3	MT	Mineral	1221.9
MS	Union	417.8	MO	Hickory	413.5	MO	Scott	428.2	MT	Missoula	2616.3
MS	Walthall	402.4	MO	Holt	467.4	MO	Shannon	1005.7	MT	Musselshell	1874.2
MS	Warren	617.8	MO	Howard	471.3	MO	Shelby	501.6	MT	Park	2670.8
MS	Washington	761.2	MO	Howell	927.4	MO	St. Charles	593.2	MT	Petroleum	1670.7
MS	Wayne	813.1	MO	Iron	553.4	MO	St. Clair	704.7	MT	Phillips	5200.8
MS	Webster	422.7	MO	Jackson	612.3	MO	St. Francois	451.5	MT	Pondera	1638.1
MS	Wilkinson	686.5	MO	Jasper	643.4	MO	St. Louis	522.5	MT	Powder River	3298.9
MS	Winston	610.7	MO	Jefferson	663.4	MO	St. Louis City	65.6	MT	Powell	2332.3
MS	Yalobusha	493.2	MO	Johnson	833.5	MO	Ste. Genevieve	510.6	MT	Prairie	1743.8
MS	Yazoo	933.4	MO	Knox	505.8	MO	Stoddard	830.0	MT	Ravalli	2403.4
MO	Adair	570.1	MO	Laclede	765.4	MO	Stone	512.2	MT	Richland	2104.4
MO	Andrew	438.2	MO	Lafayette	637.4	MO	Sullivan	649.6	MT	Roosevelt	2371.0
MO	Atchison	542.6	MO	Lawrence	613.3	MO	Taney	649.2	MT	Rosebud	5020.2
MO	Audrain	701.9	MO	Lewis	513.4	MO	Texas	1179.2	MT	Sanders	2786.0
MO	Barry	792.3	MO	Lincoln	641.4	MO	Vernon	838.4	MT	Sheridan	1707.8
MO	Barton	594.2	MO	Linn	623.6	MO	Warren	439.2	MT	Silver Bow	718.2
MO	Bates	853.1	MO	Livingston	538.6	MO	Washington	763.9	MT	Stillwater	1800.8
MO	Benton	750.5	MO	Macon	810.4	MO	Wayne	775.3	MT	Sweet Grass	1864.8
MO	Bollinger	618.1	MO	Madison	501.1	MO	Webster	593.7	MT	Teton	2289.6
MO	Boone	693.3	MO	Maries	530.4	MO	Worth	267.4	MT	Toole	1948.8
MO	Buchanan	413.5	MO	Marion	442.5	MO	Wright	683.2	MT	Treasure	985.1
MO	Butler	696.3	MO	McDonald	538.7	MT	Beaverhead	5571.4	MT	Valley	5065.8
MO	Caldwell	431.1	MO	Mercer	455.5	MT	Big Horn	5024.5	MT	Wheatland	1423.0
MO	Callaway	848.0	MO	Miller	601.7	MT	Blaine	4247.0	MT	Wibaux	887.7
MO	Camden	706.3	MO	Mississippi	428.4	MT	Broadwater	1237.9	MT	Yellowstone	2648.8
MO	Cape Girardeau	584.7	MO	Moniteau	415.7	MT	Carbon	2058.9	MT	Yellowstone National Park	246.4
MO	Carroll	703.7	MO	Monroe	662.0	MT	Carter	3344.4	NB	Adams	563.0
MO	Carter	507.8	MO	Montgomery	541.5	MT	Cascade	2712.4	NB	Antelope	860.6
MO	Cass	707.1	MO	Morgan	616.9	MT	Chouteau	3996.5	NB	Arthur	718.7
MO	Cedar	498.5	MO	New Madrid	697.7	MT	Custer	3790.8	NB	Banner	744.6
MO	Chariton	765.8	MO	Newton	625.3	MT	Daniels	1426.8	NB	Blaine	713.2
MO	Christian	562.2	MO	Nodaway	876.5	MT	Dawson	2382.4	NB	Boone	688.6
MO	Clark	513.6	MO	Oregon	792.9	MT	Deer Lodge	742.6	NB	Box Butte	1075.3
MO	Clay	409.2	MO	Osage	612.2	MT	Fallon	1621.0	NB	Boyd	545.4
MO	Clinton	422.4	MO	Ozark	755.8	MT	Fergus	4351.3	NB	Brown	1221.6
MO	Cole	400.2	MO	Pemiscot	506.3	MT	Flathead	5259.3	NB	Buffalo	972.5
MO	Cooper	568.8	MO	Perry	484.4	MT	Gallatin	2531.8	NB	Burt	495.2
MO	Crawford	740.9	MO	Pettis	685.5	MT	Garfield	4850.1	NB	Butler	583.1
MO	Dade	506.0	MO	Phelps	672.9	MT	Glacier	3054.1	NB	Cass	565.5
MO	Dallas	542.9	MO	Pike	681.9	MT	Golden Valley	1174.8	NB	Cedar	745.0

State	County	Area	State	County	Area	State	County	Area			
NB	Chase	894.0	NB	Pawnee	434.0	NH	Strafford	381.8	NM	Taos	2205.8
NB	Cherry	6011.7	NB	Perkins	886.3	NH	Sullivan	552.4	NM	Torrance	3345.4
NB	Cheyenne	1197.2	NB	Phelps	539.9	NJ	Atlantic	610.7	NM	Union	3835.1
NB	Clay	576.2	NB	Pierce	574.2	NJ	Bergen	240.1	NM	Valencia	1066.1
NB	Colfax	420.1	NB	Platte	687.6	NJ	Burlington	820.3	NY	Albany	533.9
NB	Cuming	574.6	NB	Polk	438.8	NJ	Camden	229.0	NY	Allegany	1037.4
NB	Custer	2575.8	NB	Red Willow	715.3	NJ	Cape May	288.3	NY	Bronx	43.3
NB	Dakota	264.8	NB	Richardson	559.1	NJ	Cumberland	509.3	NY	Broome	714.1
NB	Dawes	1400.1	NB	Rock	1011.2	NJ	Essex	126.6	NY	Cattaraugus	1323.5
NB	Dawson	1019.2	NB	Saline	575.7	NJ	Gloucester	336.4	NY	Cayuga	733.4
NB	Deuel	441.2	NB	Sarpy	247.4	NJ	Hudson	51.9	NY	Chautauqua	1085.1
NB	Dixon	486.1	NB	Saunders	759.1	NJ	Hunterdon	440.0	NY	Chemung	409.6
NB	Dodge	544.4	NB	Scotts Bluff	745.3	NJ	Mercer	228.1	NY	Chenango	899.1
NB	Douglas	340.0	NB	Seward	574.0	NJ	Middlesex	323.9	NY	Clinton	1117.6
NB	Dundy	922.9	NB	Sheridan	2472.8	NJ	Monmouth	479.7	NY	Columbia	649.3
NB	Fillmore	577.5	NB	Sherman	573.0	NJ	Morris	480.3	NY	Cortland	500.5
NB	Franklin	575.6	NB	Sioux	2066.6	NJ	Ocean	755.4	NY	Delaware	1469.1
NB	Frontier	979.4	NB	Stanton	431.4	NJ	Passaic	198.5	NY	Dutchess	824.5
NB	Furnas	724.1	NB	Thayer	577.5	NJ	Salem	346.5	NY	Erie	1055.4
NB	Gage	860.9	NB	Thomas	712.9	NJ	Somerset	302.7	NY	Essex	1916.8
NB	Garden	1729.6	NB	Thurston	397.0	NJ	Sussex	538.6	NY	Franklin	1696.0
NB	Garfield	571.3	NB	Valley	570.7	NJ	Union	102.9	NY	Fullton	531.5
NB	Gosper	463.9	NB	Washington	393.1	NJ	Warren	360.5	NY	Genesee	495.7
NB	Grant	783.6	NB	Wayne	442.9	NM	Bernalillo	1168.2	NY	Greene	658.0
NB	Greeley	571.6	NB	Webster	572.9	NM	Catron	6932.6	NY	Hamilton	1809.1
NB	Hall	550.6	NB	Wheeler	574.1	NM	Chaves	6081.8	NY	Herkimer	1457.7
NB	Hamilton	546.6	NB	York	575.6	NM	Cibola	4549.6	NY	Jefferson	1376.4
NB	Harlan	572.0	NV	Carson City	157.5	NM	Colfax	3787.4	NY	Kings	74.8
NB	Hayes	713.9	NV	Churchill	5026.2	NM	Curry	1408.9	NY	Lewis	1296.7
NB	Hitchcock	717.3	NV	Clark	8098.7	NM	De Baca	2333.7	NY	Livingston	640.1
NB	Holt	2418.4	NV	Douglas	740.0	NM	Dona Ana	3817.8	NY	Madison	661.7
NB	Hooker	721.5	NV	Elko	17181.4	NM	Eddy	4197.7	NY	Monroe	667.8
NB	Howard	571.2	NV	Esmeralda	3595.6	NM	Grant	3971.8	NY	Montgomery	411.3
NB	Jefferson	576.0	NV	Eureka	4162.1	NM	Guadalupe	3033.6	NY	Nassau	329.6
NB	Johnson	376.8	NV	Humboldt	9703.7	NM	Harding	2125.2	NY	New York	23.5
NB	Kearney	516.0	NV	Lander	5529.0	NM	Hidalgo	3443.1	NY	Niagara	538.7
NB	Keith	1108.7	NV	Lincoln	10626.5	NM	Lea	4394.5	NY	Oneida	1254.6
NB	Keya Paha	775.1	NV	Lyon	2023.1	NM	Lincoln	4827.1	NY	Onondaga	805.4
NB	Kimball	954.7	NV	Mineral	3821.0	NM	Los Alamos	109.3	NY	Ontario	663.1
NB	Knox	1141.4	NV	Nye	18178.2	NM	Luna	2961.4	NY	Orange	840.3
NB	Lancaster	848.2	NV	Pershing	6058.5	NM	McKinley	5451.0	NY	Orleans	392.2
NB	Lincoln	2575.0	NV	Storey	265.2	NM	Mora	1937.9	NY	Oswego	1019.0
NB	Logan	571.3	NV	Washoe	6561.9	NM	Otero	6618.6	NY	Otsego	1013.8
NB	Loup	573.9	NV	White Pine	8898.9	NM	Quay	2880.0	NY	Putnam	243.8
NB	Madison	574.7	NH	Belknap	471.4	NM	Rio Arriba	5889.3	NY	Queens	112.5
NB	McPherson	861.8	NH	Carroll	986.8	NM	Roosevelt	2447.8	NY	Rensselaer	664.4
NB	Merrick	500.6	NH	Cheshire	731.7	NM	San Juan	5535.6	NY	Richmond	60.8
NB	Morrill	1436.4	NH	Coos	1822.9	NM	San Miguel	4730.2	NY	Rockland	179.9
NB	Nance	448.5	NH	Grafton	1750.4	NM	Sandoval	3720.4	NY	Saratoga	841.7
NB	Nemaha	415.2	NH	Hillsborough	889.3	NM	Santa Fe	1907.1	NY	Schenectady	205.6
NB	Nuckolls	576.5	NH	Merrimack	953.8	NM	Sierra	4247.9	NY	Schoharie	628.0
NB	Otoe	613.9	NH	Rockingham	726.8	NM	Socorro	6625.0	NY	Schuyler	348.5

State	County	Area	State	County	Area	State	County	Area	State	County	Area
NY	Seneca	409.6	NC	Granville	538.1	NC	Vance	269.4	ND	Sioux	1119.9
NY	St. Lawrence	2817.9	NC	Greene	263.8	NC	Wake	855.8	ND	Slope	1216.9
NY	Steuben	1401.0	NC	Guilford	659.8	NC	Warren	444.8	ND	Stark	1338.6
NY	Suffolk	1153.4	NC	Halifax	731.8	NC	Washington	367.6	ND	Steele	715.2
NY	Sullivan	991.8	NC	Harnett	603.2	NC	Watauga	311.7	ND	Stutsman	2298.8
NY	Tioga	521.5	NC	Haywood	554.3	NC	Wayne	557.0	ND	Towner	1042.2
NY	Tompkins	491.1	NC	Henderson	375.5	NC	Wilkes	755.8	ND	Traill	861.9
NY	Ulster	1165.1	NC	Hertford	356.3	NC	Wilson	375.6	ND	Walsh	1297.7
NY	Warren	932.6	NC	Hoke	393.6	NC	Yadkin	337.6	ND	Ward	2053.9
NY	Washington	846.2	NC	Hyde	716.2	NC	Yancey	312.3	ND	Wells	1290.8
NY	Wayne	612.8	NC	Iredell	592.8	ND	Adams	987.4	ND	Williams	2151.5
NY	Westchester	453.9	NC	Jackson	494.4	ND	Barnes	1514.4	OH	Adams	584.6
NY	Wyoming	596.7	NC	Johnston	800.5	ND	Benson	1438.6	OH	Allen	407.3
NY	Yates	351.0	NC	Jones	468.8	ND	Billings	1151.5	OH	Ashland	425.7
NC	Alamance	433.2	NC	Lee	261.0	ND	Bottineau	1701.1	OH	Ashtabula	709.8
NC	Alexander	264.3	NC	Lenoir	404.4	ND	Bowman	1172.0	OH	Athens	506.5
NC	Alleghany	233.8	NC	Lincoln	310.8	ND	Burke	1130.8	OH	Auglaize	402.2
NC	Anson	540.1	NC	Macon	517.9	ND	Burleigh	1667.9	OH	Belmont	542.8
NC	Ashe	426.8	NC	Madison	451.5	ND	Cass	1768.4	OH	Brown	496.6
NC	Avery	248.0	NC	Martin	470.1	ND	Cavalier	1510.7	OH	Butler	468.2
NC	Beaufort	845.8	NC	McDowell	444.1	ND	Dickey	1140.7	OH	Carroll	398.8
NC	Bertie	701.5	NC	Mecklenburg	550.5	ND	Divide	1293.4	OH	Champaign	429.4
NC	Bladen	888.0	NC	Mitchell	221.5	ND	Dunn	2082.0	OH	Clark	401.5
NC	Brunswick	893.2	NC	Montgomery	500.6	ND	Eddy	642.3	OH	Clermont	458.3
NC	Buncombe	662.9	NC	Moore	704.7	ND	Emmons	1553.1	OH	Clinton	412.9
NC	Burke	513.1	NC	Nash	539.8	ND	Foster	646.7	OH	Columbiana	535.8
NC	Cabarrus	368.4	NC	New Hanover	222.5	ND	Golden Valley	1005.0	OH	Coshocton	566.7
NC	Caldwell	475.0	NC	Northampton	549.5	ND	Grand Forks	1437.6	OH	Crawford	402.8
NC	Camden	242.8	NC	Onslow	808.0	ND	Grant	1667.4	OH	Cuyahoga	462.0
NC	Carteret	582.9	NC	Orange	400.6	ND	Griggs	716.9	OH	Darke	603.1
NC	Caswell	428.5	NC	Pamlico	365.7	ND	Hettinger	1134.8	OH	Defiance	413.2
NC	Catawba	412.1	NC	Pasquotank	231.9	ND	Kidder	1434.5	OH	Delaware	457.1
NC	Chatham	707.9	NC	Pender	879.2	ND	La Moure	1151.5	OH	Erie	279.3
NC	Cherokee	468.2	NC	Perquimans	251.2	ND	Logan	1016.2	OH	Fairfield	508.6
NC	Chowan	170.3	NC	Person	403.5	ND	McHenry	1911.1	OH	Fayette	407.9
NC	Clay	220.6	NC	Pitt	657.2	ND	McIntosh	988.7	OH	Franklin	544.8
NC	Cleveland	468.4	NC	Polk	237.8	ND	McKenzie	2860.6	OH	Fulton	406.2
NC	Columbus	954.8	NC	Randolph	788.5	ND	McLean	2328.6	OH	Gallia	470.7
NC	Craven	724.0	NC	Richmond	482.6	ND	Mercer	1113.3	OH	Geauga	408.0
NC	Cumberland	659.7	NC	Robeson	949.5	ND	Morton	1948.6	OH	Greene	415.6
NC	Currituck	310.0	NC	Rockingham	574.5	ND	Mountrail	1943.1	OH	Guernsey	528.9
NC	Dare	435.5	NC	Rowan	521.3	ND	Nelson	1009.4	OH	Hamilton	411.9
NC	Davidson	569.2	NC	Rutherford	569.1	ND	Oliver	729.0	OH	Hancock	534.2
NC	Davie	265.3	NC	Sampson	945.0	ND	Pembina	1118.2	OH	Hardin	471.7
NC	Duplin	820.1	NC	Scotland	318.9	ND	Pierce	1083.5	OH	Harrison	412.9
NC	Durham	298.4	NC	Stanly	402.0	ND	Ramsey	1302.4	OH	Henry	421.4
NC	Edgecombe	506.7	NC	Stokes	453.2	ND	Ransom	862.0	OH	Highland	558.7
NC	Forsyth	413.1	NC	Surry	540.3	ND	Renville	891.3	OH	Hocking	423.6
NC	Franklin	493.7	NC	Swain	542.3	ND	Richland	1446.5	OH	Holmes	424.5
NC	Gaston	365.0	NC	Transylvania	381.6	ND	Rolette	939.4	OH	Huron	497.6
NC	Gates	345.8	NC	Tyrrell	402.9	ND	Sargent	866.8	OH	Jackson	421.1
NC	Graham	300.9	NC	Union	640.3	ND	Sheridan	1006.3	OH	Jefferson	409.2

State	County	Area	State	County	Area	State	County	Area	State	County	Area
OH	Knox	528.1	OK	Blaine	937.3	OK	Ottawa	481.2	OR	Wasco	2389.8
OH	Lake	229.6	OK	Bryan	943.9	OK	Pawnee	597.0	OR	Washington	728.6
OH	Lawrence	455.7	OK	Caddo	1287.3	OK	Payne	697.5	OR	Wheeler	1716.4
OH	Licking	689.4	OK	Canadian	903.7	OK	Pittsburg	1378.0	OR	Yamhill	716.4
OH	Logan	466.7	OK	Carter	834.0	OK	Pontotoc	727.5	PA	Adams	522.0
OH	Lorain	494.6	OK	Cherokee	777.6	OK	Pottawatomie	792.6	PA	Allegheny	743.4
OH	Lucas	350.0	OK	Choctaw	799.5	OK	Pushmataha	1422.1	PA	Armstrong	663.5
OH	Madison	467.0	OK	Cimarron	1845.7	OK	Roger Mills	1145.2	PA	Beaver	443.6
OH	Mahoning	424.2	OK	Cleveland	556.9	OK	Rogers	708.9	PA	Bedford	1019.5
OH	Marion	402.8	OK	Coal	522.8	OK	Seminole	638.8	PA	Berks	869.4
OH	Medina	421.4	OK	Comanche	1082.1	OK	Sequoyah	713.9	PA	Blair	522.9
OH	Meigs	434.7	OK	Cotton	654.2	OK	Stephens	891.2	PA	Bradford	1158.6
OH	Mercer	469.3	OK	Craig	767.1	OK	Texas	2045.1	PA	Bucks	617.2
OH	Miami	411.8	OK	Creek	966.5	OK	Tillman	905.6	PA	Butler	794.3
OH	Monroe	455.0	OK	Custer	1002.3	OK	Tulsa	587.9	PA	Cambria	694.2
OH	Montgomery	466.9	OK	Delaware	794.0	OK	Wagoner	591.8	PA	Cameron	398.0
OH	Morgan	421.9	OK	Dewey	1009.0	OK	Washington	425.8	PA	Carbon	387.3
OH	Morrow	407.0	OK	Ellis	1242.2	OK	Washita	1006.9	PA	Centre	1117.1
OH	Muskingum	673.5	OK	Garfield	1059.7	OK	Woods	1291.8	PA	Chester	755.0
OH	Noble	404.0	OK	Garvin	812.8	OK	Woodward	1243.8	PA	Clarion	608.1
OH	Ottawa	284.8	OK	Grady	1113.1	OR	Baker	3089.4	PA	Clearfield	1155.3
OH	Paulding	419.4	OK	Grant	1003.3	OR	Benton	681.2	PA	Clinton	896.6
OH	Perry	412.8	OK	Greer	642.4	OR	Clackamas	1877.8	PA	Columbia	491.9
OH	Pickaway	504.5	OK	Harmon	538.6	OR	Clatsop	870.2	PA	Crawford	1035.1
OH	Pike	445.4	OK	Harper	1039.8	OR	Columbia	687.5	PA	Cumberland	549.0
OH	Portage	505.0	OK	Haskell	625.7	OR	Coos	1633.2	PA	Dauphin	556.5
OH	Preble	429.7	OK	Hughes	814.5	OR	Crook	2990.1	PA	Delaware	192.2
OH	Putnam	483.9	OK	Jackson	818.9	OR	Curry	1642.2	PA	Elk	833.0
OH	Richland	499.1	OK	Jefferson	780.6	OR	Deschutes	3054.2	PA	Erie	809.2
OH	Ross	695.4	OK	Johnston	658.0	OR	Douglas	5068.9	PA	Fayette	799.1
OH	Sandusky	418.4	OK	Kay	945.7	OR	Gilliam	1220.7	PA	Forest	428.0
OH	Scioto	614.9	OK	Kingfisher	906.8	OR	Grant	4521.8	PA	Franklin	773.7
OH	Seneca	550.9	OK	Kiowa	1031.6	OR	Harney	10229.8	PA	Fulton	438.4
OH	Shelby	408.7	OK	Latimer	730.4	OR	Hood River	532.6	PA	Greene	577.2
OH	Stark	580.9	OK	Le Flore	1604.0	OR	Jackson	2804.9	PA	Huntingdon	889.9
OH	Summit	420.1	OK	Lincoln	963.4	OR	Jefferson	1796.6	PA	Indiana	836.9
OH	Trumbull	637.1	OK	Logan	748.3	OR	Josephine	1634.6	PA	Jefferson	658.2
OH	Tuscarawas	571.4	OK	Love	534.7	OR	Klamath	6133.6	PA	Juniata	389.9
OH	Union	437.2	OK	Major	954.2	OR	Lake	8364.2	PA	Lackawanna	465.5
OH	Van Wert	410.1	OK	Marshall	428.4	OR	Lane	4625.3	PA	Lancaster	984.5
OH	Vinton	415.1	OK	Mayes	682.1	OR	Lincoln	991.6	PA	Lawrence	363.1
OH	Warren	406.1	OK	McClain	579.0	OR	Linn	2309.8	PA	Lebanon	362.8
OH	Washington	640.1	OK	McCurtain	1903.2	OR	Malheur	9915.2	PA	Lehigh	349.2
OH	Wayne	558.6	OK	McIntosh	711.2	OR	Marion	1193.5	PA	Luzerne	907.1
OH	Williams	422.6	OK	Murray	424.8	OR	Morrow	2054.6	PA	Lycoming	1247.3
OH	Wood	619.6	OK	Muskogee	837.6	OR	Multnomah	467.2	PA	McKean	983.1
OH	Wyandot	407.3	OK	Noble	745.0	OR	Polk	744.4	PA	Mercer	685.6
OK	Adair	576.3	OK	Nowata	580.8	OR	Sherman	830.8	PA	Mifflin	415.1
OK	Alfalfa	880.4	OK	Okfuskee	629.6	OR	Tillamook	1126.8	PA	Monroe	619.8
OK	Atoka	990.1	OK	Oklahoma	718.6	OR	Umatilla	3231.3	PA	Montgomery	488.4
OK	Beaver	1815.8	OK	Okmulgee	702.1	OR	Union	2036.6	PA	Montour	130.9
OK	Beckham	906.2	OK	Osage	2301.9	OR	Wallowa	3153.5	PA	Northampton	375.5

State	County	Area	State	County	Area	State	County	Area	State	County	Area
PA	Northumberland	479.4	SC	Lancaster	560.7	SD	Jackson	1873.7	TN	Decatur	344.2
PA	Perry	556.4	SC	Laurens	722.1	SD	Jerauld	531.3	TN	Dickson	492.0
PA	Philadelphia	143.9	SC	Lee	410.6	SD	Jones	970.8	TN	Dyer	531.7
PA	Pike	565.6	SC	Lexington	756.8	SD	Kingsbury	863.3	TN	Fayette	707.1
PA	Potter	1079.4	SC	Marion	493.3	SD	Lake	574.9	TN	Fentress	497.3
PA	Schuylkill	781.7	SC	Marlboro	486.1	SD	Lawrence	797.8	TN	Franklin	567.2
PA	Snyder	334.2	SC	McCormick	395.1	SD	Lincoln	577.5	TN	Gibson	604.7
PA	Somerset	1081.7	SC	Newberry	648.1	SD	Lyman	1707.6	TN	Giles	610.4
PA	Sullivan	452.8	SC	Oconee	670.4	SD	Marshall	886.2	TN	Grainger	302.7
PA	Susquehanna	833.5	SC	Orangeburg	1127.1	SD	McCook	577.5	TN	Greene	624.5
PA	Tioga	1135.6	SC	Pickens	519.9	SD	McPherson	1150.0	TN	Grundy	361.6
PA	Union	317.0	SC	Richland	772.8	SD	Meade	3478.2	TN	Hamblen	176.9
PA	Venango	682.6	SC	Saluda	462.0	SD	Mellette	1312.8	TN	Hamilton	577.2
PA	Warren	899.9	SC	Spartanburg	819.2	SD	Miner	574.5	TN	Hancock	223.5
PA	Washington	862.0	SC	Sumter	683.3	SD	Minnehaha	815.5	TN	Hardeman	673.8
PA	Wayne	753.5	SC	Union	517.1	SD	Moody	520.6	TN	Hardin	596.8
PA	Westmoreland	1036.0	SC	Williamsburg	936.0	SD	Pennington	2789.6	TN	Hawkins	501.1
PA	Wyoming	405.1	SC	York	693.0	SD	Perkins	2889.0	TN	Haywood	532.1
PA	York	910.8	SD	Aurora	718.9	SD	Potter	896.2	TN	Henderson	524.6
RI	Bristol	43.2	SD	Beadle	1267.4	SD	Roberts	1131.9	TN	Henry	592.6
RI	Kent	190.3	SD	Bennett	1186.7	SD	Sanborn	568.3	TN	Hickman	611.2
RI	Newport	175.9	SD	Bon Homme	582.1	SD	Shannon	2095.6	TN	Houston	209.4
RI	Providence	436.1	SD	Brookings	804.0	SD	Spink	1513.1	TN	Humphreys	557.3
RI	Washington	361.3	SD	Brown	1732.8	SD	Stanley	1528.4	TN	Jackson	323.5
SC	Abbeville	514.9	SD	Brule	844.3	SD	Sully	1070.6	TN	Jefferson	312.5
SC	Aiken	1094.6	SD	Buffalo	487.4	SD	Todd	1387.7	TN	Johnson	302.1
SC	Allendale	414.9	SD	Butte	2270.7	SD	Tripp	1615.6	TN	Knox	527.7
SC	Anderson	748.9	SD	Campbell	768.8	SD	Turner	617.1	TN	Lake	196.1
SC	Bamberg	397.0	SD	Charles Mix	1147.3	SD	Union	466.8	TN	Lauderdale	506.2
SC	Barnwell	559.0	SD	Clark	968.5	SD	Walworth	738.1	TN	Lawrence	619.6
SC	Beaufort	689.7	SD	Clay	417.5	SD	Yankton	529.9	TN	Lewis	281.0
SC	Berkeley	1230.2	SD	Codington	715.7	SD	Ziebach	1974.3	TN	Lincoln	569.4
SC	Calhoun	390.1	SD	Corson	2539.3	TN	Anderson	346.4	TN	Loudon	245.8
SC	Charleston	1048.6	SD	Custer	1555.4	TN	Bedford	474.5	TN	Macon	308.7
SC	Cherokee	396.2	SD	Davison	436.7	TN	Benton	437.0	TN	Madison	558.3
SC	Chester	586.7	SD	Day	1091.2	TN	Bledsoe	408.1	TN	Marion	521.8
SC	Chesterfield	801.9	SD	Deuel	636.7	TN	Blount	565.7	TN	Marshall	377.7
SC	Clarendon	692.4	SD	Dewey	2447.0	TN	Bradley	331.2	TN	Maury	617.6
SC	Colleton	1066.0	SD	Douglas	433.1	TN	Campbell	495.9	TN	McMinn	434.2
SC	Darlington	563.2	SD	Edmunds	1150.7	TN	Cannon	265.9	TN	McNairy	557.7
SC	Dillon	407.8	SD	Fall River	1750.2	TN	Carroll	600.4	TN	Meigs	216.1
SC	Dorchester	573.0	SD	Faulk	1002.9	TN	Carter	350.9	TN	Monroe	651.4
SC	Edgefield	492.1	SD	Grant	687.7	TN	Ceatham	307.7	TN	Montgomery	544.3
SC	Fairfield	709.9	SD	Gregory	1052.5	TN	Chester	291.5	TN	Moore	131.1
SC	Florence	804.5	SD	Haakon	1825.4	TN	Claiborne	444.2	TN	Morgan	523.3
SC	Georgetown	879.3	SD	Hamlin	539.1	TN	Clay	259.6	TN	Obion	555.2
SC	Greenville	796.2	SD	Hand	1439.0	TN	Cocke	441.3	TN	Overton	433.7
SC	Greenwood	462.1	SD	Hanson	433.5	TN	Coffee	434.9	TN	Perry	421.0
SC	Hampton	563.9	SD	Harding	2677.9	TN	Crockett	266.8	TN	Pickett	171.1
SC	Horry	1147.8	SD	Hughes	794.5	TN	Cumberland	686.6	TN	Polk	442.9
SC	Jasper	671.8	SD	Hutchinson	816.3	TN	Davidson	526.5	TN	Putnam	398.4
SC	Kershaw	738.5	SD	Hyde	868.2	TN	De Kalb	329.7	TN	Rhea	335.7

State	County	Area	State	County	Area	State	County	Area
TN	Roane	394.7	TX	Callahan	898.4	TX	Frio	1134.9
TN	Robertson	473.6	TX	Cameron	1170.2	TX	Gaines	1504.2
TN	Rutherford	626.0	TX	Camp	202.9	TX	Galveston	503.4
TN	Scott	533.4	TX	Carson	922.6	TX	Garza	894.7
TN	Sequatchie	266.6	TX	Cass	959.4	TX	Gillespie	1060.4
TN	Sevier	597.3	TX	Castro	900.3	TX	Glasscock	901.8
TN	Shelby	784.9	TX	Chambers	639.7	TX	Goliad	858.4
TN	Smith	325.9	TX	Cherokee	1061.9	TX	Gonzales	1073.6
TN	Stewart	491.4	TX	Childress	713.9	TX	Gray	928.8
TN	Sullivan	429.6	TX	Clay	1106.3	TX	Grayson	978.5
TN	Sumner	541.5	TX	Cochran	776.2	TX	Gregg	275.7
TN	Tipton	467.1	TX	Coke	928.2	TX	Grimes	803.6
TN	Trousdale	117.2	TX	Coleman	1290.5	TX	Guadalupe	710.4
TN	Unicoi	186.5	TX	Collin	886.0	TX	Hale	1005.8
TN	Union	245.9	TX	Collingsworth	920.4	TX	Hall	902.2
TN	Van Buren	271.4	TX	Colorado	971.2	TX	Hamilton	836.7
TN	Warren	434.2	TX	Comal	576.1	TX	Hansford	921.5
TN	Washington	327.8	TX	Comanche	954.8	TX	Hardeman	692.7
TN	Wayne	736.5	TX	Concho	986.8	TX	Hardin	898.8
TN	Weakley	579.1	TX	Cooke	897.0	TX	Harris	1781.4
TN	White	376.2	TX	Coryell	1056.5	TX	Harrison	915.0
TN	Williamson	583.9	TX	Cottle	901.3	TX	Hartley	1462.4
TN	Wilson	582.2	TX	Crane	790.1	TX	Haskell	912.6
TX	Anderson	1084.8	TX	Crockett	2805.2	TX	Hays	681.7
TX	Andrews	1501.0	TX	Crosby	900.6	TX	Hemphill	911.8
TX	Angelina	866.4	TX	Culberson	3818.7	TX	Henderson	947.0
TX	Aransas	461.4	TX	Dallam	1504.1	TX	Hidalgo	1584.6
TX	Archer	925.6	TX	Dallas	908.4	TX	Hill	985.8
TX	Armstrong	915.2	TX	Dawson	899.5	TX	Hockley	908.6
TX	Atascosa	1216.6	TX	De Witt	909.8	TX	Hood	439.7
TX	Austin	657.4	TX	Deaf Smith	1493.0	TX	Hopkins	790.9
TX	Bailey	831.2	TX	Delta	277.0	TX	Houston	1234.2
TX	Bandera	795.5	TX	Denton	957.6	TX	Howard	908.1
TX	Bastrop	900.2	TX	Dickens	907.0	TX	Hudspeth	4574.5
TX	Baylor	901.7	TX	Dimmit	1307.3	TX	Hunt	882.4
TX	Bee	882.0	TX	Donley	933.0	TX	Hutchinson	895.4
TX	Bell	1088.1	TX	Duval	1795.5	TX	Irion	1051.2
TX	Bexar	1255.6	TX	Eastland	929.2	TX	Jack	921.6
TX	Blanco	714.3	TX	Ector	903.1	TX	Jackson	856.7
TX	Borden	903.9	TX	Edwards	2122.6	TX	Jasper	960.0
TX	Bosque	1002.0	TX	El Paso	1010.9	TX	Jeff Davis	2247.8
TX	Bowie	922.7	TX	Ellis	946.8	TX	Jefferson	992.7
TX	Brazoria	1487.1	TX	Erath	1082.8	TX	Jim Hogg	1135.6
TX	Brazos	589.3	TX	Falls	777.7	TX	Jim Wells	866.7
TX	Brewster	6188.4	TX	Fannin	897.7	TX	Johnson	733.9
TX	Briscoe	900.8	TX	Fayette	959.0	TX	Jones	930.6
TX	Brooks	943.7	TX	Fisher	901.5	TX	Karnes	754.6
TX	Brown	956.7	TX	Floyd	992.6	TX	Kaufman	806.2
TX	Burleson	678.0	TX	Foard	704.9	TX	Kendall	660.6
TX	Burnet	1020.2	TX	Fort Bend	887.8	TX	Kenedy	1785.2
TX	Caldwell	542.1	TX	Franklin	295.1	TX	Kent	898.5
TX	Calhoun	925.6	TX	Freestone	894.7	TX	Kerr	1109.6
						TX	Kimble	1250.4
						TX	King	914.3
						TX	Kinney	1362.2
						TX	Kleberg	1015.7
						TX	Knox	854.9
						TX	La Salle	1515.7
						TX	Lamar	935.1
						TX	Lamb	1017.3
						TX	Lampasas	711.9
						TX	Lavaca	973.8
						TX	Lee	633.6
						TX	Leon	1075.6
						TX	Liberty	1177.4
						TX	Limestone	933.3
						TX	Lipscomb	929.7
						TX	Live Oak	1079.3
						TX	Llano	966.3
						TX	Loving	675.0
						TX	Lubbock	901.3
						TX	Lynn	892.2
						TX	Madison	471.9
						TX	Marion	421.8
						TX	Martin	915.4
						TX	Mason	933.2
						TX	Matagorda	1390.6
						TX	Maverick	1296.1
						TX	McCulloch	1074.4
						TX	McLennan	1059.1
						TX	McMullen	1160.2
						TX	Medina	1336.2
						TX	Menard	902.2
						TX	Midland	901.8
						TX	Milam	1018.3
						TX	Mills	747.6
						TX	Mitchell	914.7
						TX	Montague	931.8
						TX	Montgomery	1075.4
						TX	Moore	904.8
						TX	Morris	265.1
						TX	Motley	989.5
						TX	Nacogdoches	980.1
						TX	Navarro	1088.3
						TX	Newton	945.7
						TX	Nolan	914.6
						TX	Nueces	1098.7
						TX	Ochiltree	922.0
						TX	Oldham	1506.6
						TX	Orange	378.9
						TX	Palo Pinto	986.1
						TX	Panola	824.1
						TX	Parker	909.4
						TX	Parmer	883.8

State	County	Area	State	County	Area	State	County	Area	State	County	Area
	TX Pecos	4783.4		TX Ward	835.8		VT Grand Isle	192.5		VA Fluvanna	290.7
	TX Polk	1107.0		TX Washington	621.5		VT Lamoille	463.4		VA Franklin	708.8
	TX Potter	926.3		TX Webb	3368.5		VT Orange	694.3		VA Franklin	3.0
	TX Presidio	3862.0		TX Wharton	1092.4		VT Orleans	722.3		VA Frederick	415.1
	TX Rains	260.0		TX Wheeler	915.0		VT Rutland	944.0		VA Fredericksburg	6.1
	TX Randall	923.2		TX Wichita	612.2		VT Washington	693.5		VA Galax	7.8
	TX Reagan	1176.6		TX Wilbarger	961.1		VT Windham	798.9		VA Giles	363.3
	TX Real	700.1		TX Willacy	734.7		VT Windsor	973.9		VA Gloucester	253.3
	TX Red River	1056.6		TX Williamson	1135.1		VA Accomack	602.0		VA Goochland	285.7
	TX Reeves	2642.3		TX Wilson	807.9		VA Albemarle	726.9		VA Grayson	451.5
	TX Refugio	806.5		TX Winkler	840.1		VA Alexandria	14.6		VA Greene	154.9
	TX Roberts	921.6		TX Wise	924.6		VA Alleghany	444.9		VA Greenville	301.2
	TX Robertson	868.1		TX Wood	696.8		VA Amelia	356.5		VA Halifax	823.6
	TX Rockwall	148.9		TX Yoakum	799.4		VA Amherst	476.1		VA Hampton	68.0
	TX Runnels	1054.5		TX Young	931.6		VA Appomattox	337.3		VA Hanover	472.3
	TX Rusk	934.9		TX Zapata	1058.8		VA Arlington	26.0		VA Harrisonburg	5.7
	TX Sabine	577.5		TX Zavala	1307.8		VA Augusta	985.8		VA Henrico	242.4
	TX San Augustine	590.5		UT Beaver	2584.7		VA Bath	537.2		VA Henry	385.0
	TX San Jacinto	625.9		UT Box Elder	5781.2		VA Bedford	771.1		VA Highland	415.9
	TX San Patricio	708.0		UT Cache	1177.5		VA Bedford	6.6		VA Hopewell	11.5
	TX San Saba	1142.5		UT Carbon	1483.8		VA Bland	359.0		VA Isle Of Wight	359.8
	TX Schleicher	1307.7		UT Daggett	724.7		VA Botetourt	546.5		VA James City	183.3
	TX Scurry	904.4		UT Davis	294.3		VA Bristol	12.9		VA King And Queen	324.4
	TX Shackelford	915.1		UT Duchesne	3239.9		VA Brunswick	569.6		VA King George	187.9
	TX Shelby	835.4		UT Emery	4460.3		VA Buchanan	504.8		VA King William	285.2
	TX Sherman	923.3		UT Garfield	5230.3		VA Buckingham	586.5		VA Lancaster	150.0
	TX Smith	948.5		UT Grand	3695.8		VA Buena Vista	2.7		VA Lee	440.1
	TX Somervell	191.5		UT Iron	3310.9		VA Campbell	505.9		VA Lexington	2.3
	TX Starr	1227.1		UT Juab	3395.2		VA Caroline	541.1		VA Loudoun	520.7
	TX Stephens	920.6		UT Kane	4107.4		VA Carroll	479.6		VA Louisa	511.6
	TX Sterling	922.3		UT Millard	6853.5		VA Charles City	204.0		VA Lunenburg	433.2
	TX Stonewall	927.6		UT Morgan	610.8		VA Charlotte	479.5		VA Lynchburg	50.4
	TX Sutton	1456.1		UT Piute	757.7		VA Charlottesville	10.8		VA Madison	322.4
	TX Swisher	902.8		UT Rich	1087.5		VA Chesapeake	358.3		VA Manassas	8.4
	TX Tarrant	898.7		UT Salt Lake	780.6		VA Chesterfield	441.5		VA Manassas Park	2.2
	TX Taylor	921.6		UT San Juan	7928.0		VA Clarke	178.1		VA Martinsville	11.1
	TX Terrell	2361.6		UT Sanpete	1601.5		VA Clifton Forge	3.1		VA Mathews	103.1
	TX Terry	892.1		UT Sevier	1920.8		VA Colonial Heights	7.9		VA Mecklenburg	677.2
	TX Throckmorton	915.4		UT Summit	1886.7		VA Covington	4.4		VA Middlesex	142.3
	TX Titus	421.5		UT Tooele	6996.4		VA Craig	330.4		VA Montgomery	392.1
	TX Tom Green	1545.0		UT Uintah	4499.6		VA Culpeper	381.8		VA Nelson	473.8
	TX Travis	1024.9		UT Utah	2142.9		VA Cumberland	298.8		VA New Kent	225.0
	TX Trinity	718.4		UT Wasatch	1207.2		VA Danville	17.4		VA Newport News	117.8
	TX Tyler	938.8		UT Washington	2424.3		VA Dickenson	336.8		VA Norfolk	65.3
	TX Upshur	590.7		UT Wayne	2458.2		VA Dinwiddie	504.0		VA Northampton	354.9
	TX Upton	1235.1		UT Weber	578.3		VA Emporia	2.2		VA Northumberland	216.4
	TX Uvalde	1557.6		VT Addison	806.7		VA Essex	276.4		VA Norton	6.9
	TX Val Verde	3234.8		VT Bennington	679.5		VA Fairfax	403.9		VA Nottoway	316.9
	TX Van Zandt	858.9		VT Caledonia	660.1		VA Fairfax	6.4		VA Orange	343.9
	TX Victoria	889.3		VT Chittenden	622.6		VA Falls Church	1.8		VA Page	313.2
	TX Walker	803.5		VT Essex	673.1		VA Fauquier	653.2		VA Patrick	487.2
	TX Waller	516.9		VT Franklin	692.4		VA Floyd	380.1		VA Petersburg	22.9

Note: In Virginia, areas for independent cities are listed separately from areas of counties.

State	County	Area	State	County	Area	State	County	Area			
VA	Pittsylvania	1001.8	WA	Grant	2792.5	WV	Mason	445.9	WI	Green	587.0
VA	Poquoson	20.0	WA	Grays Harbor	1942.0	WV	McDowell	535.3	WI	Green Lake	380.1
VA	Portsmouth	48.0	WA	Island	224.3	WV	Mercer	418.7	WI	Iowa	768.4
VA	Powhatan	266.2	WA	Jefferson	1882.1	WV	Mineral	329.2	WI	Iron	805.8
VA	Prince Edward	352.5	WA	King	2214.4	WV	Mingo	424.9	WI	Jackson	1001.1
VA	Prince George	285.3	WA	Kitsap	458.4	WV	Monongalia	364.3	WI	Jefferson	583.3
VA	Prince William	347.3	WA	Kittitas	2331.3	WV	Monroe	472.1	WI	Juneau	804.3
VA	Pulaski	332.6	WA	Klickitat	1909.9	WV	Morgan	228.6	WI	Kenosha	279.7
VA	Radford	6.5	WA	Lewis	2444.0	WV	Nicholas	652.1	WI	Kewaunee	344.0
VA	Rappahannock	266.2	WA	Lincoln	2336.8	WV	Ohio	108.9	WI	La Crosse	479.3
VA	Richmond	206.1	WA	Mason	1049.7	WV	Pendleton	698.3	WI	Lafayette	636.4
VA	Richmond	62.5	WA	Okanogan	5328.4	WV	Pleasants	132.8	WI	Langlade	886.0
VA	Roanoke	251.9	WA	Pacific	970.7	WV	Pocahontas	941.1	WI	Lincoln	905.8
VA	Roanoke	42.0	WA	Pend Oreille	1421.8	WV	Preston	652.3	WI	Manitowoc	596.0
VA	Rockbridge	608.3	WA	Pierce	1786.8	WV	Putnam	349.5	WI	Marathon	1577.2
VA	Rockingham	863.8	WA	San Juan	260.5	WV	Raleigh	610.1	WI	Marinette	1429.4
VA	Russell	478.5	WA	Skagit	1781.0	WV	Randolph	1040.6	WI	Marquette	465.4
VA	Salem	14.9	WA	Skamania	1686.2	WV	Ritchie	455.7	WI	Menominee	366.3
VA	Scott	533.7	WA	Snohomish	2108.3	WV	Roane	487.9	WI	Milwaukee	244.5
VA	Shenandoah	512.0	WA	Spokane	1780.9	WV	Summers	370.0	WI	Monroe	905.7
VA	Smyth	451.6	WA	Stevens	2540.7	WV	Taylor	173.2	WI	Oconto	1019.1
VA	South Boston	5.7	WA	Thurston	772.4	WV	Tucker	422.6	WI	Oneida	1241.1
VA	Southampton	610.6	WA	Wahkiakum	281.0	WV	Tyler	261.5	WI	Outagamie	644.4
VA	Spotsylvania	414.4	WA	Walla Walla	1298.2	WV	Upshur	353.7	WI	Ozaukee	236.1
VA	Stafford	279.3	WA	Whatcom	2185.6	WV	Wayne	513.2	WI	Pepin	246.8
VA	Staunton	9.0	WA	Whitman	2177.3	WV	Webster	557.3	WI	Pierce	590.2
VA	Suffolk	432.1	WA	Yakima	4300.3	WV	Wetzel	362.4	WI	Polk	960.8
VA	Surry	309.9	WV	Barbour	343.2	WV	Wirt	232.5	WI	Portage	820.3
VA	Sussex	491.5	WV	Berkeley	321.7	WV	Wood	376.6	WI	Price	1278.2
VA	Tazewell	519.0	WV	Boone	502.9	WV	Wyoming	498.6	WI	Racine	342.2
VA	Virginia Beach	304.4	WV	Braxton	517.6	WI	Adams	688.7	WI	Richland	590.9
VA	Warren	218.7	WV	Brooke	92.3	WI	Ashland	1037.2	WI	Rock	725.8
VA	Washington	566.7	WV	Cabell	288.2	WI	Barron	889.6	WI	Rusk	929.5
VA	Waynesboro	7.3	WV	Calhoun	280.0	WI	Bayfield	1507.5	WI	Sauk	848.2
VA	Westmoreland	247.7	WV	Clay	346.1	WI	Brown	545.9	WI	Sawyer	1350.4
VA	Williamsburg	5.4	WV	Doddridge	318.8	WI	Buffalo	712.3	WI	Shawano	909.2
VA	Winchester	9.1	WV	Fayette	669.8	WI	Burnett	880.7	WI	Sheboygan	519.0
VA	Wise	403.4	WV	Gilmer	338.6	WI	Calumet	397.2	WI	St. Croix	733.9
VA	Wythe	464.2	WV	Grant	481.0	WI	Chippewa	1043.1	WI	Taylor	982.0
VA	York	127.2	WV	Greenbrier	1024.3	WI	Clark	1220.1	WI	Trempealeau	744.0
WA	Adams	1930.0	WV	Hampshire	645.4	WI	Columbia	791.1	WI	Vernon	821.7
WA	Asotin	638.3	WV	Hancock	88.6	WI	Crawford	598.5	WI	Vilas	1015.7
WA	Benton	1753.2	WV	Hardy	585.8	WI	Dane	1239.4	WI	Walworth	577.4
WA	Chelan	2997.6	WV	Harrison	418.5	WI	Dodge	910.3	WI	Washburn	854.8
WA	Clallam	1790.3	WV	Jackson	470.2	WI	Door	505.9	WI	Washington	435.5
WA	Clark	657.2	WV	Jefferson	211.4	WI	Douglas	1346.2	WI	Waukesha	579.9
WA	Columbia	876.6	WV	Kanawha	908.5	WI	Dunn	863.1	WI	Waupaca	765.3
WA	Cowlitz	1162.3	WV	Lewis	390.1	WI	Eau Claire	644.7	WI	Waushara	638.7
WA	Douglas	1845.0	WV	Lincoln	439.3	WI	Florence	497.2	WI	Winnebago	578.9
WA	Ferry	2249.6	WV	Logan	455.5	WI	Fond du Lac	764.6	WI	Wood	809.0
WA	Franklin	1270.5	WV	Marion	310.4	WI	Forest	1044.8	WY	Albany	4328.1
WA	Garfield	718.8	WV	Marshall	313.0	WI	Grant	1181.5	WY	Big Horn	3155.5

Note: In Virginia, areas for independent cities are listed separately from areas of counties.

State County	Area	State County	Area	State County	Area	State County	Area
WY Campbell	4799.3						
WY Carbon	7990.6						
WY Converse	4281.7						
WY Crook	2871.5						
WY Fremont	9259.7						
WY Goshen	2191.3						
WY Hot Springs	2004.9						
WY Johnson	4170.1						
WY Laramie	2688.9						
WY Lincoln	4085.3						
WY Natrona	5363.2						
WY Niobrara	2686.6						
WY Park	6966.4						
WY Platte	2058.3						
WY Sheridan	2531.7						
WY Sublette	4929.2						
WY Sweetwater	10499.4						
WY Teton	4232.7						
WY Uinta	2083.8						
WY Washakie	2246.9						
WY Weston	2398.5						

## APPENDIX C

### DETAILED NON-PROGRAM DEMAND ESTIMATION METHODOLOGY

#### RECOMMENDED METHODOLOGY FOR ESTIMATING ANNUAL NON-PROGRAM RELATED DEMAND FOR RURAL PASSENGER TRANSPORTATION

$$D = R_e E \left( \frac{1}{1 + k_e e^{-U_e}} \right) + R_m M \left( \frac{1}{1 + k_m e^{-U_m}} \right) + R_p P \left( \frac{1}{1 + k_p e^{-U_p}} \right)$$

where:

D = annual demand for Non-Program Related passenger transportation.

$$R_e = 1,200$$

$$R_m = 1,200$$

$$R_p = 1,200$$

E = number of persons age sixty or over.

M = number of mobility limited persons age sixteen to sixty-four.

P = number of persons, age sixty-four or less, in families with incomes below the poverty level

$$k_e = e^{6.38}$$

$$k_m = e^{6.41}$$

$$k_p = e^{6.63}$$

$$U_e = 0.000510 \times \frac{\text{Annual Vehicle-Miles Available to Elderly Market}}{\text{Area of the County}}$$

$$U_m = 0.000400 \times \frac{\text{Annual Vehicle-Miles Available to Mobility Limited Market}}{\text{Area of the County}}$$

$$U_p = 0.000490 \times \frac{\text{Annual Vehicle-Miles Available to Low-Income Market}}{\text{Area of the County}}$$

# APPENDIX D

## OBTAINING DATA FROM THE U.S. CENSUS

The population data required for estimation of Non-Program passenger transportation demand can be obtained from the U.S. Census of Population and Housing. The data are available in electronic media on Summary Tape File 3 (STF-3) available on CD-ROM.

Census materials usually will be available from county or regional planning agencies of the state data center. To obtain materials directly from the Bureau of the Census contact:

Customer Services  
Data User Services Division  
Bureau of the Census  
Washington, D.C. 20233  
301-763-4100

County data, as used in the methodology presented in this Workbook, are found in STF-3 data files using summary level 050.

Population Age 60 and Over can be tabulated from Table P13 -- Persons by Age. This table (or data file) contains thirty-one cells. Summary cells twenty-five through thirty-one yields the population used in this analysis.

Age	Data Dictionary Reference Name
Under 1 year	P0130001
1 and 2 years	P0130002
3 and 4 years	P0130003
5 years	P0130004
6 years	P0130005
7 to 9 years	P0130006
10 and 11 years	P0130007
12 and 13 years	P0130008
14 years	P0130009
15 years	P0130010
16 years	P0130011
17 years	P0130012
18 years	P0130013
19 years	P0130014
20 years	P0130015
21 years	P0130016
22 to 24 years	P0130017
25 to 29 years	P0130018
30 to 34 years	P0130019
35 to 39 years	P0130020
40 to 44 years	P0130021
45 to 49 years	P0130022
50 to 54 years	P0130023

55 to 59 years	P0130024
60 and 61 years	P0130025
62 to 64 years	P0130026
65 to 69 years	P0130027
70 to 74 years	P0130028
75 to 79 years	P0130029
80 to 84 years	P0130030
85 years and over	P0130031

Persons Having a Mobility Limitation are defined as those who responded "Yes" to the question "Because of a health condition that has lasted for six or more months, does this person have any difficulty going outside the home alone, for example, to shop or visit a doctor's office?" These data can be tabulated from Table P67.

Category	Data Dictionary Reference Name
Males -- Age 16-64, with a Mobility Limitation	
In Labor Force	
Employed	P0670001
Unemployed	P0670002
Not in Labor Force	P0670003
Females, Age 16-64, With a Mobility Limitation	
In Labor Force	
Employed	P0670013
Unemployed	P0670014
Not in Labor Force	P0670015

Persons, under age 65 residing in families with incomes below the poverty level are a bit more difficult to determine. Poverty status of individuals as used in the Census is related to the income in 1989 of the family of which the individual was a member. Poverty status was determined only for persons in families; it is not reported for institutionalized persons, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years old. Data on persons by poverty status, by age, for those for whom poverty status was determined, can be tabulated from Table P117.

<u>Category</u>	<u>Data Dictionary Reference Name</u>
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Income in 1989 Above  
The Poverty Level

Under 5 years of age	P1170001
5 years	P1170002
6 to 11 years	P1170003
12 to 17 years	P1170004
18 to 24 years	P1170005
25 to 34 years	P1170006
35 to 44 years	P1170007
45 to 54 years	P1170008
55 to 59 years	P1170009
60 to 64 years	P1170010
65 to 74 years	P1170011
75 years and over	P1170012

Income in 1989 Below  
The Poverty Level

Under 5 years of age	P1170013
5 years	P1170014
6 to 11 years	P1170015
12 to 17 years	P1170016
18 to 24 years	P1170017
25 to 34 years	P1170018
35 to 44 years	P1170019
45 to 54 years	P1170020
55 to 59 years	P1170021
60 to 64 years	P1170022
65 to 74 years	P1170023
75 years and over	P1170024

The number of persons for whom poverty status is determined is computed by summing all items P1170001 through P1170024. The number of persons in families with incomes below the poverty level age sixty-four or less for whom poverty status is determined by summing items P1170013 through P1170022. An estimate of total persons below the poverty level under age sixty-four can be made by multiplying:

$$\text{County Population} \times \frac{\text{Sum (P1170013 ... P1170022)}}{\text{Sum (P1170001 ... P1170024)}}$$

# APPENDIX E

## COMPUTATION FORMS FOR METRIC UNITS

<b>FORM A-3a -- PROGRAM INVENTORY</b>					<b>METRIC</b>	
<b>DEVELOPMENTAL SERVICES: ADULT</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips
<b>DEVELOPMENTAL SERVICES: CASE MANAGEMENT</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips
<b>DEVELOPMENTAL SERVICES: CHILDREN</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

<b>FORM A-3b -- PROGRAM INVENTORY</b>				<b>METRIC</b>		
<b>DEVELOPMENTAL SERVICES: PRE-SCHOOL</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips
<b>GROUP HOME</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips
<b>HEADSTART</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

# FORM A-3c -- PROGRAM INVENTORY

**METRIC**

## HEADSTART: HOME BASE

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

## HEADSTART: OTHER

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

## HOMELESS TRANSPORTATION

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

<b>FORM A-3d -- PROGRAM INVENTORY</b>					<b>METRIC</b>	
<b>JOB TRAINING</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips
<b>MENTAL HEALTH SERVICES</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips
<b>MENTAL HEALTH SERVICES: CASE MANAGEMENT</b>						
Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

# FORM A-3e -- PROGRAM INVENTORY

**METRIC**

## NURSING HOME

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

## SENIOR NUTRITION

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

## SHELTERED WORKSHOP

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

# FORM A-3f -- PROGRAM INVENTORY

**METRIC**

**SUBSTANCE ABUSE**

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

**OTHER PROGRAMS**

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips

**OTHER PROGRAMS**

Program Name	Number of Participants	Transportation Provided (Yes or No)	Transportation Provided by Program Agency		Transportation Provided by Contractor	
			Annual Vehicle-Kilometers	Annual One-Way Trips	Annual Vehicle-Kilometers	Annual One-Way Trips



**FORM B-2a  
ESTIMATION OF NON-PROGRAM DEMAND  
COUNTY AND SERVICE SUMMARY DATA  
CURRENT YEAR**

**METRIC**

**BASIC DATA FOR THE COUNTY (or Service Area):**

Size of County in square kilometers (from Form A-1):

(H)

**PERSONS AGE 60 AND OVER**

Number of Persons Age 60 or Over:

(I)

Vehicle-Kilometers Available  
From column (D) total,  
Form A-5

(J)

Vehicle-Kilometers Available  
Per Square Kilometer

(K) = (J)/(H)

**PERSONS WITH MOBILITY LIMITATIONS**

Number of Persons with  
Mobility Limitations  
Age 16-64

(L)

Vehicle-Kilometers Available  
From column (E) total,  
Form A-5

(M)

Vehicle-Kilometers Available  
Per Square Kilometer

(N) = (M)/(H)

**PERSONS RESIDING IN FAMILIES WITH INCOMES BELOW THE POVERTY LEVEL**

Number of Persons, age 64 or less,  
residing in households with income  
below the poverty level

(O)

ADJUSTED  
Vehicle-Kilometers Available  
From column (G) total,  
Form A-5

(P)

ADJUSTED  
Vehicle-Kilometers  
Available Per  
Square Kilometer

(Q) = (P)/(H)

**FORM B-2b  
ESTIMATION OF NON-PROGRAM DEMAND  
COUNTY AND SERVICE SUMMARY DATA  
FORECAST YEAR**

**METRIC**

**BASIC DATA FOR THE COUNTY (or Service Area):**

Size of County in square kilometers (from Form A-1):

(H)

**PERSONS AGE 60 AND OVER**

Number of Persons Age 60 or Over:

Vehicle-Kilometers  
To Be Available

Vehicle-Kilometers Available  
Per Square Kilometer

(I)

(J)

(K) = (J)/(H)

**PERSONS WITH MOBILITY LIMITATIONS**

Number of Persons with  
Mobility Limitations  
Age 16-64

Vehicle-Kilometers  
To Be Available

Vehicle-Kilometers Available  
Per Square Kilometer

(L)

(M)

(N) = (M)/(H)

**PERSONS RESIDING IN FAMILIES WITH INCOMES BELOW THE POVERTY LEVEL**

Number of Persons, age 64 or less,  
residing in households with income  
below the poverty level

ADJUSTED  
Vehicle-Kilometers  
To be Available

ADJUSTED  
Vehicle-Kilometers  
Available Per  
Square Kilometer

(O)

(P)

(Q) = (P)/(H)

**METRIC**

**FORM B-3a  
ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR  
CURRENT YEAR**

**PERSONS AGE 60 OR OVER**

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometer  
Item (K) on Form B-2a METRIC

If less than 2,480	(K) <input type="text"/>	X	4.326	+	376	=	(R) <input type="text"/>
If 2,480 to 4,340	<input type="text"/>	X	22.085	-	43,668	=	(R) <input type="text"/>
If 4,340 to 6,200	<input type="text"/>	X	81.817	-	302,908	=	(R) <input type="text"/>
If 6,200 to 7,440	<input type="text"/>	X	182.274	-	925,740	=	(R) <input type="text"/>
If over 7,440	Use Exponential Method (See Appendix)						

SERVICE FACTOR (R)/1,000,000

**METRIC**

**FORM B-3b  
ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR  
CURRENT YEAR**

**PERSONS WITH MOBILITY LIMITATIONS**

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometer  
Item (K) on Form B-2a METRIC

If less than 2,480	(N) <input style="width: 60px; height: 20px;" type="text"/>	X	2.532	+	1,010	=	(T) <input style="width: 100px; height: 20px;" type="text"/>
If 2,480 to 4,340	<input style="width: 60px; height: 20px;" type="text"/>	X	9.391	-	16,003	=	(T) <input style="width: 100px; height: 20px;" type="text"/>
If 4,340 to 6,200	<input style="width: 60px; height: 20px;" type="text"/>	X	28.548	-	99,140	=	(T) <input style="width: 100px; height: 20px;" type="text"/>
If 6,200 to 7,440	<input style="width: 60px; height: 20px;" type="text"/>	X	68.532	-	348,040	=	(T) <input style="width: 100px; height: 20px;" type="text"/>
If over 7,440	Use Exponential Method (See Appendix)						

SERVICE FACTOR (T)/1,000,000

**METRIC**

**FORM B-3c  
ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR  
CURRENT YEAR**

**PERSONS RESIDING IN FAMILIES BELOW POVERTY LEVEL**

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometer  
Item (K) on Form B-2a METRIC

If less than 2,480	(Q) <input type="text"/>	X	3.952	+	525	=	(V) <input type="text"/>
If 2,480 to 4,340	<input type="text"/>	X	14.239	-	24,988	=	(V) <input type="text"/>
If 4,340 to 6,200	<input type="text"/>	X	73.624	-	282,717	=	(V) <input type="text"/>
If 6,200 to 7,440	<input type="text"/>	X	160.516	-	821,450	=	(V) <input type="text"/>
If over 7,440	Use Exponential Method (See Appendix)						

SERVICE FACTOR (V)/1,000,000

**METRIC**

**FORM B-3d  
ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR  
FUTURE YEAR**

**PERSONS AGE 60 OR OVER**

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometer  
Item (K) on Form B-2b METRIC

If less than 2,480	(K) <input type="text"/>	X	4.326	+	376	=	(R) <input type="text"/>
If 2,480 to 4,340	<input type="text"/>	X	22.085	-	43,668	=	(R) <input type="text"/>
If 4,340 to 6,200	<input type="text"/>	X	81.817	-	302,908	=	(R) <input type="text"/>
If 6,200 to 7,440	<input type="text"/>	X	182.274	-	925,740	=	(R) <input type="text"/>
If over 7,440	Use Exponential Method (See Appendix)						

SERVICE FACTOR

(R)/1,000,000

**METRIC**

**FORM B-3e  
ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR  
FUTURE YEAR**

**PERSONS WITH MOBILITY LIMITATIONS**

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometer  
Item (K) on Form B-2b METRIC

If less than 2,480	<input type="text"/> (N)	X	2.532	+	1,010	=	<input type="text"/> (T)
If 2,480 to 4,340	<input type="text"/>	X	9.391	-	16,003	=	<input type="text"/> (T)
If 4,340 to 6,200	<input type="text"/>	X	28.548	-	99,140	=	<input type="text"/> (T)
If 6,200 to 7,440	<input type="text"/>	X	68.532	-	348,040	=	<input type="text"/> (T)
If over 7,440	Use Exponential Method (See Appendix)						

SERVICE FACTOR (T)/1,000,000

METRIC

**FORM B-3f**  
**ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR**  
**FUTURE YEAR**

**PERSONS RESIDING IN FAMILIES BELOW POVERTY LEVEL**

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometer  
Item (K) on Form B-2b METRIC

If less than 2,480	(Q) <input type="text"/>	X	3.952	+	525	=	(V) <input type="text"/>
If 2,480 to 4,340	<input type="text"/>	X	14.239	-	24,988	=	(V) <input type="text"/>
If 4,340 to 6,200	<input type="text"/>	X	73.624	-	282,717	=	(V) <input type="text"/>
If 6,200 to 7,440	<input type="text"/>	X	160.516	-	821,450	=	(V) <input type="text"/>
If over 7,440	Use Exponential Method (See Appendix)						

SERVICE FACTOR

(V)/1,000,000

<b>FORM C-2</b> <b>ESTIMATION OF NON-PROGRAM DEMAND</b> <b>COUNTY AND SERVICE SUMMARY DATA</b>		<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;"><b>METRIC</b></div>
<b><i>BASIC DATA FOR THE COUNTY (or Service Area):</i></b>		
Size of County in square kilometers (from Form A-1):	(H)	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
<b><i>PERSONS AGE 60 AND OVER</i></b>		
Number of Persons Age 60 or Over:	Vehicle-Kilometers Available *	Vehicle-Kilometers Available Per Square Kilometer
(I)	(J)	(K) = (J)/(H)
<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
<b><i>PERSONS WITH MOBILITY LIMITATIONS</i></b>		
Number of Persons with Mobility Limitations Age 16-64	Vehicle-Kilometers Available *	Vehicle-Kilometers Available Per Square Kilometer
(L)	(M)	(N) = (M)/(H)
<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
<b><i>PERSONS RESIDING IN FAMILIES WITH INCOMES BELOW THE POVERTY LEVEL</i></b>		
Number of Persons, age 64 or less, residing in households with income below the poverty level	ADJUSTED Vehicle Kilometers Available *	ADJUSTED Vehicle-Kilometers Available Per Square Kilometer
(O)	(P)	(Q) = (P)/(H)
<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>

\* From Form A-5 (METRIC), columns (D), (E) and (F) totals or estimates of services to be provided.

**METRIC**

**FORM C-3a**

**ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR**

**PERSONS AGE 60 OR OVER**

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometers  
Item (K) on Form C-2 (METRIC)

If less than 2,430	<input type="text"/> (K)	X	4.326	+	376	=	<input type="text"/> (R)
If 2,430 to 4,340	<input type="text"/>	X	22.085	-	43,668	=	<input type="text"/> (R)
If 4,340 to 6,200	<input type="text"/>	X	81.817	-	302,908	=	<input type="text"/> (R)
If 6,200 to 7,440	<input type="text"/>	X	182.274	-	925,740	=	<input type="text"/> (R)
If over 7,440	Use Exponential Method (See Appendix)						

SERVICE FACTOR

(R)/1,000,000

**METRIC**

**FORM C-3b**

**ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR**

**PERSONS WITH MOBILITY LIMITATIONS**

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometers  
Item (K) on Form C-2 (METRIC)

If less than 2,430	<input type="text"/>	(N)	X	2.532	+	1,010	=	<input type="text"/>	(T)
If 2,430 to 4,340	<input type="text"/>		X	9.391	-	16,003	=	<input type="text"/>	(T)
If 4,340 to 6,200	<input type="text"/>		X	28.548	-	99,140	=	<input type="text"/>	(T)
If 6,200 to 7,440	<input type="text"/>		X	68.532	-	348,040	=	<input type="text"/>	(T)
If over 7,440	Use Exponential Method (See Appendix)								

SERVICE FACTOR

(T)/1,000,000

**FORM C-3c**

**ESTIMATION OF NON-PROGRAM DEMAND SERVICE FACTOR**

***PERSONS RESIDING IN FAMILIES BELOW POVERTY LEVEL***

Service Factor:

Vehicle-Kilometers Available  
Per Square Kilometers  
Item (K) on Form C-2 (METRIC)

	(Q)						(V)
If less than 2,430	<input type="text"/>	X	3.952	+	525	=	<input type="text"/>
If 2,430 to 4,340	<input type="text"/>	X	14.239	-	24,988	=	<input type="text"/>
If 4,340 to 6,200	<input type="text"/>	X	73.624	-	282,717	=	<input type="text"/>
If 6,200 to 7,440	<input type="text"/>	X	160.516	-	821,450	=	<input type="text"/>
If over 7,440	Use Exponential Method (See Appendix)						

SERVICE FACTOR

(V)/1,000,000

**THE TRANSPORTATION RESEARCH BOARD** is a unit of the National Research Council, which serves the National Academy of Sciences and the National Academy of Engineering. It evolved in 1974 from the Highway Research Board which was established in 1920. The TRB incorporates all former HRB activities and also performs additional functions under a broader scope involving all modes of transportation and the interactions of transportation with society. The Board's purpose is to stimulate research concerning the nature and performance of transportation systems, to disseminate information that the research produces, and to encourage the application of appropriate research findings. The Board's program is carried out by more than 270 committees, task forces, and panels composed of more than 3,300 administrators, engineers, social scientists, attorneys, educators, and others concerned with transportation; they serve without compensation. The program is supported by state transportation and highway departments, the modal administrations of the U.S. Department of Transportation, the Association of American Railroads, the National Highway Traffic Safety Administration, and other organizations and individuals interested in the development of transportation.

The National Academy of Sciences is a private, nonprofit, self-perpetuating society of distinguished scholars engaged in scientific and engineering research, dedicated to the furtherance of science and technology and to their use for the general welfare. Upon the authority of the charter granted to it by the Congress in 1863, the Academy has a mandate that requires it to advise the federal government on scientific and technical matters. Dr. Bruce M. Alberts is president of the National Academy of Sciences.

The National Academy of Engineering was established in 1964, under the charter of the National Academy of Sciences, as a parallel organization of outstanding engineers. It is autonomous in its administration and in the selection of its members, sharing with the National Academy of Sciences the responsibility for advising the federal government. The National Academy of Engineering also sponsors engineering programs aimed at meeting national needs, encourages education and research and recognizes the superior achievements of engineers. Dr. Harold Liebowitz is president of the National Academy of Engineering.

The Institute of Medicine was established in 1970 by the National Academy of Sciences to secure the services of eminent members of appropriate professions in the examination of policy matters pertaining to the health of the public. The Institute acts under the responsibility given to the National Academy of Sciences by its congressional charter to be an adviser to the federal government and, upon its own initiative, to identify issues of medical care, research, and education. Dr. Kenneth I. Shine is president of the Institute of Medicine.

The National Research Council was organized by the National Academy of Sciences in 1916 to associate the broad community of science and technology with the Academy's purpose of furthering knowledge and advising the federal government. Functioning in accordance with general policies determined by the Academy, the Council has become the principal operating agency of both the National Academy of Sciences and the National Academy of Engineering in providing services to the government, the public, and the scientific and engineering communities. The Council is administered jointly by both Academies and the Institute of Medicine. Dr. Bruce M. Alberts and Dr. Harold Liebowitz are chairman and vice chairman, respectively, of the National Research Council.