



PDMP Brief – Q4 2019 – Boone County

The St. Louis County Prescription Drug Monitoring Program (PDMP) monitors the prescribing and dispensing of schedule II-IV controlled substances to assist in the identification and prevention of prescription drug misuse and abuse. The program's goals are to 1) improve controlled substance prescribing, 2) inform clinical practice, and 3) reduce the number of people who misuse or overdose.

The St. Louis County PDMP launched on April 25, 2017, with 14 jurisdictions participating in the initial implementation. Saint Louis County Department of Public Health (DPH) operates the PDMP on behalf of all participating jurisdictions. As of December 31, 2019, 75 jurisdictions have enacted legislation to participate in the St. Louis County PDMP.

As of 12/31/2019, there are over 15,900 approved users within the system. Figure 1 represents approved user counts for the total PDMP by quarter, as well as the average number of patient searches performed per day. System utilization has increased as both the number of approved users and participating jurisdictions have increased. In Q4 2019, over 9,000 patient searches were performed daily by healthcare providers. Increasing utilization of the PDMP is a continued focus of DPH.

Figure 1. PDMP registration and utilization by quarter.

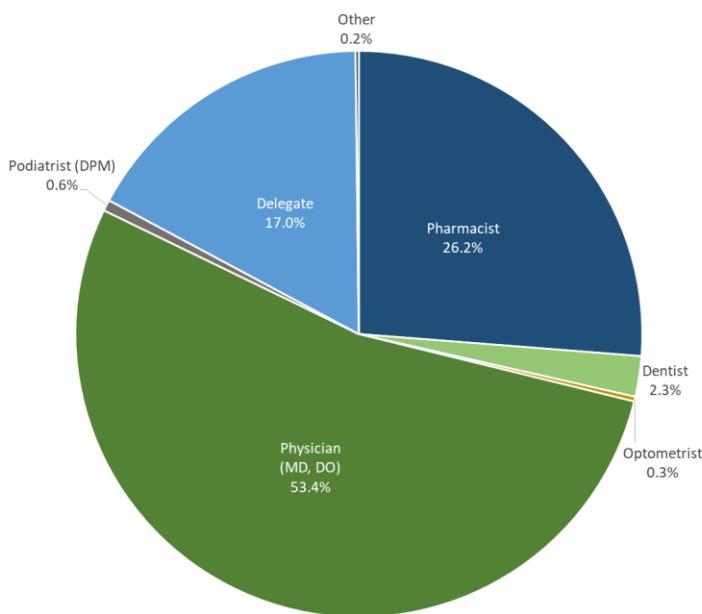
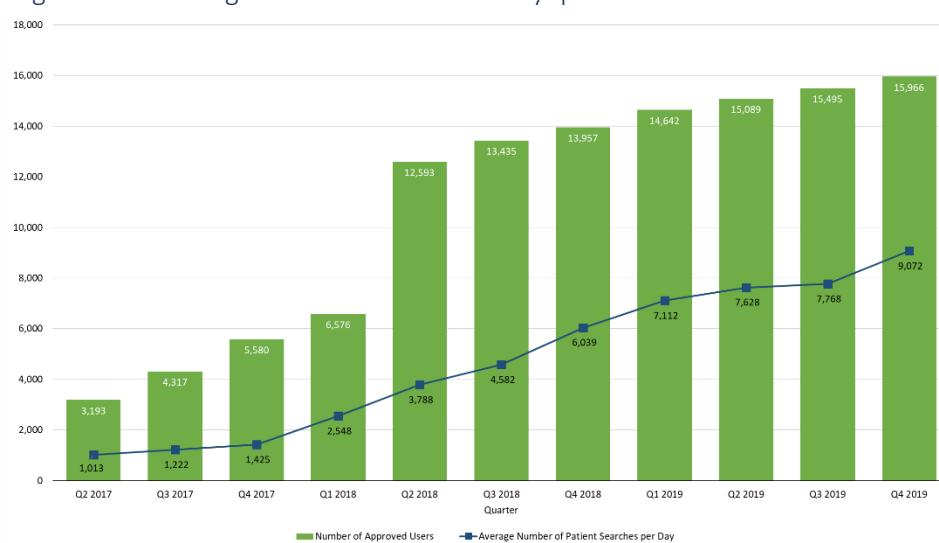


Figure 2. PDMP approved user counts by user role.

Figure 2 represents approved users by role. As of 12/31/2019, there were more than 15,900 approved users in the PDMP. The increase in users in Q2 2018 was a result of mass provider registration; mass registration is where a health system, hospital, medical group, or healthcare practice can bulk register their healthcare providers in the PDMP.

54% of PDMP users are prescribers (physicians, dentists, optometrists, and podiatrists).

26% of users are pharmacists.

Additional information on the PDMP can be found at www.stlouisco.com/PDMP or by contacting DPH at PDMP.DPH@stlouisco.com or 314-615-0522.



Opioid Dispensations

Across all age groups, opioids were the most frequently prescribed schedule II-IV controlled substance drug type.

Opioids comprise 43% of all controlled substances dispensed. Hydrocodone, oxycodone, and tramadol were the three most frequently prescribed opioids (89% of opioid prescriptions).

Boone County's opioid dispensation rate was 526.2 per 1,000 population which is significantly lower than the total system (654.7 per 1,000 population).

Figure 3. Opioid dispensation rates per 1,000 by patient location.

Figure 3 represents opioid dispensation rates per 1,000 population for each jurisdiction compared to the total system. Jurisdictions were categorized as either higher, lower, or not different than the overall dispensation rate based on statistical significance at $\alpha = .05$.

*Rates represent projected annual rates based on one quarter of data.

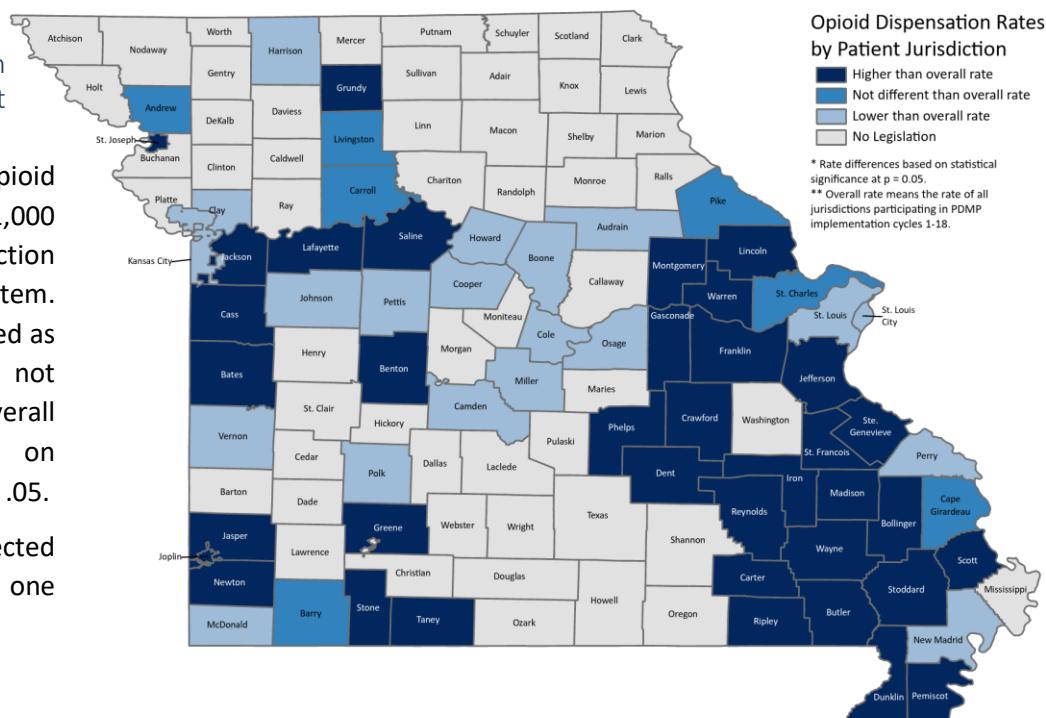
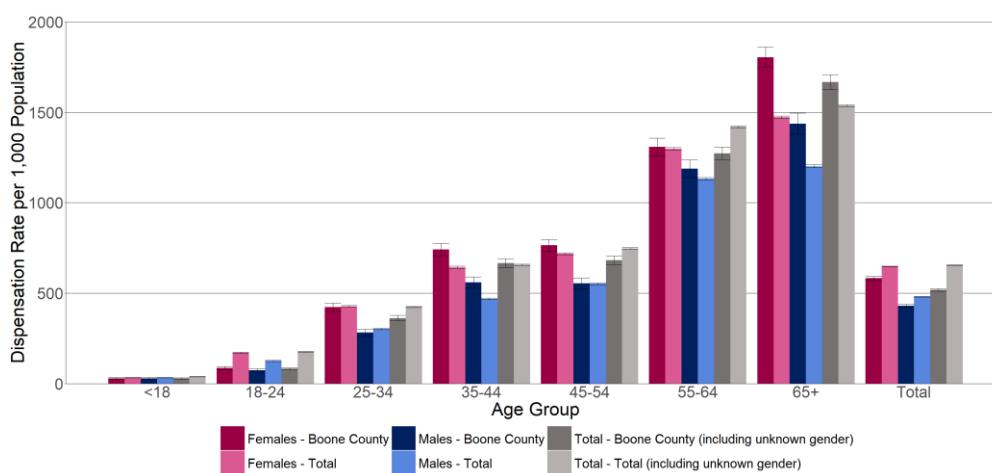


Figure 4. Opioid dispensation rates per 1,000 by age and gender.



Opioid dispensation rates increase as patient age increases.

Females received higher rates of opioid prescriptions than males across most age groups as displayed in Figure 4.

Across genders captured, Boone County residents aged 65+ received the highest rates of opioids compared to all other age groups – about 1.7 opioid prescriptions per Boone County resident aged 65+.

Table 1a. Opioid dispensation rates per 1,000 population by jurisdiction, age, and gender; jurisdictions A-K.

	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI		
Andrew County	35.5	(24.1, 47.0)	182.9	(136.3, 229.2)	397.7	(341.0, 454.4)	687.8	(618.6, 757.1)	675.6	(613.5, 737.7)	1099.8	(1014.7, 1184.9)	1559.1	(1464.6, 1653.7)	649.4	(625.3, 673.4)
Female	25.8	(11.8, 39.9)	181.5	(116.6, 246.5)	285.1	(217.8, 352.4)	465.0	(384.5, 545.6)	503.7	(428.2, 579.2)	994.8	(879.7, 1109.9)	1504.9	(1381.7, 1628.1)	579.2	(547.3, 611.0)
Male	31.6	(16.6, 46.6)	98.3	(50.1, 146.5)	248.7	(184.7, 312.7)	551.2	(463.6, 638.9)	509.0	(432.5, 585.5)	860.3	(754.5, 965.1)	1247.0	(1118.3, 1375.6)	483.0	(453.5, 512.6)
Audrain County	23.2	(15.7, 30.7)	132.9	(101.5, 164.2)	416.8	(372.5, 461.2)	515.7	(465.3, 566.1)	724.4	(668.7, 780.1)	1129.3	(1053.8, 1204.9)	1163.6	(1097.4, 1229.7)	555.1	(536.9, 573.4)
Female	22.9	(12.0, 33.7)	159.3	(113.3, 205.3)	385.8	(330.7, 441.0)	521.9	(454.8, 589.1)	845.2	(762.8, 927.6)	1252.7	(1142.0, 1363.4)	1257.0	(1167.2, 1346.8)	620.8	(594.4, 647.1)
Male	22.4	(12.3, 32.4)	99.8	(59.0, 140.6)	420.2	(349.9, 490.6)	501.5	(425.7, 577.3)	586.8	(513.4, 660.1)	997.3	(895.1, 1094.9)	1026.6	(930.0, 1123.3)	472.3	(447.5, 497.1)
Barry County	30.1	(22.8, 37.4)	127.7	(100.9, 154.5)	432.0	(389.4, 474.5)	630.2	(582.1, 678.3)	698.4	(653.6, 743.3)	1359.3	(1292.2, 1425.5)	1362.5	(1304.7, 1420.2)	662.6	(645.7, 679.8)
Female	23.7	(14.4, 32.9)	163.2	(119.3, 207.1)	489.2	(425.6, 552.9)	773.1	(698.1, 848.1)	801.4	(732.9, 870.2)	1409.5	(1314.8, 1504.2)	1432.9	(1352.4, 1513.3)	737.9	(712.7, 763.0)
Male	35.4	(24.3, 46.5)	89.8	(58.7, 120.9)	360.0	(304.8, 415.3)	475.5	(416.2, 534.8)	591.8	(534.0, 649.7)	1297.7	(1205.7, 1388.7)	1266.4	(1184.0, 1348.8)	578.6	(556.2, 601.0)
Bates County	31.0	(20.4, 41.6)	204.9	(154.3, 255.5)	389.5	(332.7, 446.2)	793.1	(714.1, 872.0)	838.3	(768.6, 909.1)	1853.6	(1737.6, 1969.6)	1699.9	(1606.9, 1792.9)	815.8	(788.7, 842.9)
Female	29.1	(14.4, 43.8)	205.3	(133.0, 277.6)	296.3	(225.9, 366.7)	953.0	(843.3, 1076.7)	1046.5	(935.8, 1157.9)	1864.6	(1702.5, 2026.4)	178.6	(1651.7, 1905.4)	902.1	(862.1, 942.4)
Male	25.5	(12.2, 38.9)	153.4	(92.0, 214.7)	429.3	(345.6, 513.1)	536.0	(454.2, 626.8)	556.1	(475.1, 637.1)	1728.8	(1567.8, 1889.8)	1544.3	(1410.3, 1678.3)	669.4	(634.5, 704.4)
Benton County	40.7	(27.2, 54.2)	207.8	(153.4, 262.2)	534.3	(456.9, 611.7)	584.5	(514.5, 634.6)	1041.9	(946.7, 1116.3)	1492.8	(1411.4, 1574.2)	1558.3	(1488.7, 1628.0)	948.2	(920.5, 975.8)
Female	45.6	(25.1, 66.1)	278.5	(187.5, 369.5)	628.5	(509.4, 747.6)	736.7	(628.2, 845.3)	1119.4	(1009.2, 1229.7)	1453.3	(1341.2, 1565.4)	1629.2	(1529.0, 1729.4)	1007.6	(967.2, 1047.9)
Male	29.4	(13.4, 45.4)	121.2	(63.6, 178.8)	412.2	(316.3, 508.1)	373.5	(294.6, 452.4)	856.4	(761.9, 950.8)	1453.7	(1338.5, 1568.9)	1362.8	(1275.5, 1461.0)	817.7	(781.4, 854.0)
Bollinger County	19.2	(9.1, 29.3)	204.8	(147.5, 262.2)	615.4	(529.2, 701.5)	788.9	(699.5, 878.3)	818.0	(737.8, 889.3)	1529.9	(1411.9, 1647.9)	1459.0	(1354.6, 1563.3)	761.6	(730.9, 792.4)
Female	22.6	(6.9, 38.2)	167.7	(94.2, 241.2)	711.3	(577.9, 844.8)	714.7	(595.8, 833.5)	798.3	(685.1, 911.5)	1407.8	(1247.5, 1568.2)	1512.4	(1368.2, 1660.2)	761.7	(718.1, 805.2)
Male	16.0	(3.2, 28.8)	200.0	(120.0, 280.0)	453.9	(351.1, 556.6)	758.8	(633.1, 884.5)	724.3	(618.5, 830.2)	1434.4	(1281.7, 1605.1)	1272.7	(1130.6, 1414.9)	671.7	(630.9, 712.6)
Boone County	26.4	(23.0, 29.8)	83.9	(77.7, 90.0)	358.2	(343.2, 373.1)	652.6	(624.9, 675.8)	671.1	(648.3, 693.9)	1348.5	(1312.6, 1384.3)	1711.8	(1670.0, 1753.6)	526.2	(519.2, 533.3)
Female	25.2	(20.4, 30.0)	88.2	(79.5, 96.9)	424.2	(401.1, 447.3)	732.9	(698.4, 767.3)	750.2	(716.9, 785.3)	1382.1	(1331.8, 1423.5)	1852.4	(1795.0, 1909.8)	592.0	(581.6, 602.5)
Male	27.1	(22.2, 31.9)	74.8	(66.4, 83.3)	271.8	(253.5, 290.1)	537.8	(507.6, 567.9)	545.5	(515.7, 575.3)	1262.1	(1211.1, 1313.1)	1472.3	(1413.0, 1531.6)	434.9	(425.7, 444.1)
Butler County	40.1	(32.3, 48.0)	239.5	(207.3, 271.8)	575.4	(533.4, 617.4)	999.4	(944.9, 1054.0)	1016.5	(966.5, 1066.5)	1723.9	(1655.1, 1792.6)	1453.5	(1388.1, 1509.0)	837.9	(820.5, 852.5)
Female	40.4	(29.1, 51.7)	300.7	(249.6, 351.8)	644.8	(583.6, 705.9)	1024.5	(941.8, 1102.7)	1010.9	(941.3, 1080.5)	1682.6	(1588.7, 1776.4)	1364.7	(1293.4, 1436.1)	854.3	(830.0, 878.7)
Male	29.7	(20.3, 39.2)	124.2	(91.4, 157.1)	323.3	(277.5, 369.2)	745.4	(678.0, 812.8)	695.3	(635.9, 754.6)	1309.4	(122.6, 1369.2)	1048.6	(977.1, 1120.2)	578.1	(557.3, 598.8)
Camden County	14.3	(9.2, 19.4)	76.0	(55.7, 96.2)	154.1	(130.1, 178.2)	281.0	(248.2, 312.1)	240.3	(217.1, 263.5)	454.9	(420.8, 484.7)	571.0	(540.7, 601.3)	292.6	(282.3, 302.7)
Female	18.5	(10.2, 26.8)	81.4	(51.2, 111.5)	207.7	(168.2, 247.3)	279.2	(235.4, 323.0)	262.5	(228.4, 296.7)	389.9	(351.7, 428.1)	649.2	(603.6, 694.8)	310.0	(295.3, 324.6)
Male	10.3	(4.2, 16.4)	62.7	(37.1, 88.3)	89.4	(63.5, 115.2)	252.0	(210.1, 293.9)	198.7	(168.7, 227.7)	462.0	(418.5, 505.5)	438.5	(400.8, 476.3)	244.9	(231.8, 250.0)
Cape Girardeau County	36.6	(30.6, 42.2)	130.3	(115.5, 144.1)	481.0	(453.8, 508.9)	753.6	(717.4, 789.8)	748.4	(715.1, 781.6)	1354.0	(1305.8, 1402.3)	1486.8	(1440.9, 1532.7)	650.4	(638.9, 661.9)
Female	30.5	(22.9, 38.1)	109.4	(91.9, 126.8)	471.5	(432.4, 510.7)	687.0	(638.5, 735.6)	718.9	(673.2, 764.7)	1375.8	(1308.1, 1443.6)	1398.3	(1339.9, 1456.7)	642.9	(627.0, 658.8)
Male	30.7	(23.3, 38.2)	101.6	(84.0, 119.2)	378.1	(343.2, 413.0)	625.4	(574.8, 674.2)	599.1	(556.7, 641.5)	1010.1	(950.3, 1069.9)	1260.4	(1195.0, 1325.7)	504.2	(489.7, 518.8)
Carroll County	32.8	(17.7, 48.0)	236.0	(161.0, 311.1)	383.8	(306.7, 461.0)	591.7	(501.9, 681.4)	841.9	(742.8, 941.1)	1236.9	(1113.4, 1306.5)	1290.6	(1185.0, 1396.2)	668.7	(635.5, 702.0)
Female	48.1	(22.0, 74.3)	134.6	(55.0, 214.1)	319.7	(221.8, 417.5)	658.5	(542.5, 791.6)	842.9	(707.5, 990.9)	1203.3	(1029.9, 1376.6)	1157.7	(1024.4, 1209.6)	648.9	(603.1, 694.6)
Male	*	*	254.2	(181.4, 386.3)	142.6	(104.7, 210.8)	250.9	(167.8, 334.0)	432.4	(332.5, 523.3)	768.3	(631.4, 905.1)	900.9	(767.4, 1034.4)	390.7	(354.3, 427.0)
Carter County	26.4	(10.0, 42.8)	98.5	(44.9, 152.0)	534.6	(422.2, 646.9)	605.9	(494.2, 717.6)	863.8	(745.0, 967.6)	1481.7	(1317.5, 1648.5)	1550.0	(1398.7, 1701.3)	729.1	(686.8, 771.4)
Female	31.0	(6.2, 55.8)	101.8	(26.4, 177.2)	639.5	(464.0, 815.0)	506.6	(363.3, 649.9)	973.9	(793.5, 1154.3)	1363.6	(1149.1, 1583.5)	1491.0	(1288.4, 1469.7)	727.7	(687.8, 787.7)
Male	21.6	(4.0, 42.8)	79.1	(9.8, 148.3)	228.9	(126.0, 331.8)	697.5	(562.6, 868.8)	666.7	(502.0, 812.8)	1270.0	(1049.1, 1409.0)	1394.2	(1183.4, 1605.0)	611.5	(556.0, 666.9)
Cass County	39.0	(34.3, 43.8)	242.9	(220.7, 265.1)	407.7	(384.9, 430.5)	650.5	(623.0, 678.0)	796.0	(767.6, 824.3)	1707.1	(1659.1, 1792.6)	1799.5	(1748.7, 1879.0)	879.7	(850.5, 925.7)
Female	27.5	(18.3, 32.2)	185.9	(150.8, 213.8)	279.0	(252.8, 305.2)	441.9	(410.2, 473.7)	592.5	(558.2, 626.9)	1247.9	(1191.2, 1304.7)	1424.7	(1366.8, 1464.1)	726.9	(713.7, 735.7)
Male	26.0	(20.5, 31.4)	109.3	(88.6, 130.0)	204.8	(181.6, 228.0)	314.1	(286.8, 341.3)	375.5	(347.8, 403.2)	1047.9	(994.3, 1102.4)	1287.8	(1174.1, 1284.2)	395.6	(384.4, 406.8)
City of Joplin	49.4	(41.2, 56.6)	195.0	(173.5, 216.6)	680.7	(624.8, 718.6)	1191.5	(1136.5, 1247.3)	1399.8	(1341.1, 1478.7)	2650.7	(2564.2, 2737.3)	2194.5	(2127.0, 2261.9)	1064.6	(1046.5, 1082.6)
Female	46.6	(35.2, 57.9)	195.0	(165.1, 235.0)	727.4	(671.2, 783.5)	1242.1	(1161.5, 1327.7)	1387.0	(1306.4, 1467.5)	2800.7	(2674.9, 292.0)	2090.5	(2006.1, 2174.9)	1112.8	(1096.1, 1147.5)
Male	47.3	(36.1, 58.6)	164.0	(135.5, 192.6)	566.5	(518.2, 614.8)	1017.8	(947.1, 1090.9)	1195.6	(1119.5, 1273.5)	2146.1	(2031.7, 2260.6)	2051.7	(1952.8, 2161.4)	872.6	(849.0, 896.2)
City of St. Joseph	36.8	(31.2, 42.4)	242.3	(145.5, 279.0)	594.5	(565.7, 624.0)	896.6	(857.9, 935.3)	951.1	(914.2, 988.1)	1912.6	(1853.6, 1971.6)	1821.0	(1769.7, 1872.4)	819.9	(800.2, 825.7)
Female	28.9	(18.1, 36.0)	119.5	(98.9, 140.0)	382.0	(347.8, 416.1)	703.8	(653.8, 753.8)	765.1	(717.4, 812.7)	1452.2	(1380.7, 1523.7)	1457.7	(1398.7, 1516.7)	659.6	(643.4, 675.8)
Male	28.8	(19.1, 35.7)	66.0	(51.0, 80.9)	214.8	(190.8, 238.8)	403.1	(367.5, 438.8)	525.3	(486.9, 560.0)	1446.3	(1304.6, 1588.5)	1383.0	(1260.5, 1370.6)	453.5	(440.0, 467.0)
Clay County	35.9	(31.4, 40.3)	200.9	(182.2, 216.9)	291.7	(274.7, 308.7)										



Table 1b. Opioid dispensation rates per 1,000 population by jurisdiction, age, and gender; jurisdictions L-Z.

	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Lafayette County	45.4	(36.2, 54.7)	212.1	(177.0, 247.3)	484.3	(439.2, 529.4)	696.2	(645.2, 747.2)	936.9	(884.2, 986.9)	1579.9	(1503.1, 1656.8)	1190.2	(1132.5, 1247.9)	702.6	(684.6, 720.5)
Female	38.3	(26.1, 50.4)	224.2	(172.0, 276.3)	446.2	(384.8, 507.5)	665.7	(596.1, 735.4)	927.3	(852.7, 1001.9)	1210.1	(1116.2, 1303.9)	1045.0	(972.6, 1117.4)	637.8	(613.7, 661.9)
Male	35.1	(23.8, 46.4)	99.1	(65.8, 132.3)	295.8	(246.1, 345.5)	404.2	(348.5, 500.9)	577.5	(519.4, 635.7)	1098.0	(1006.2, 1189.8)	823.4	(751.2, 895.6)	445.9	(425.5, 466.3)
Lincoln County	39.7	(33.2, 46.1)	232.7	(203.8, 261.6)	596.5	(560.1, 632.9)	856.2	(812.8, 899.7)	1071.6	(1027.1, 1116.2)	2383.4	(2302.9, 2464.0)	2213.8	(2136.7, 2291.0)	888.3	(872.1, 904.8)
Female	44.2	(34.4, 53.9)	278.0	(233.5, 322.5)	705.5	(653.0, 764.1)	1027.9	(960.5, 1095.4)	1172.3	(1106.1, 1238.6)	2315.9	(2204.3, 2427.6)	2329.9	(2222.1, 2437.7)	970.9	(947.1, 994.7)
Male	32.7	(24.6, 40.9)	154.5	(121.1, 187.9)	431.2	(387.0, 475.4)	617.3	(565.3, 669.4)	885.4	(828.5, 942.3)	2240.5	(2129.5, 2351.5)	1984.1	(1876.5, 2091.6)	740.2	(719.4, 761.1)
Livingston County	33.6	(21.2, 46.1)	143.0	(99.7, 186.2)	276.9	(229.9, 224.0)	497.4	(434.5, 560.3)	700.6	(629.7, 771.5)	1303.7	(1201.9, 1405.5)	1356.5	(1269.7, 1443.3)	628.1	(602.9, 653.3)
Female	19.2	(9.9, 32.4)	222.2	(147.5, 296.9)	293.3	(230.5, 355.9)	476.6	(436.2, 557.0)	798.0	(697.0, 889.0)	1500.0	(1350.0, 1650.0)	1554.2	(1432.2, 1676.1)	719.1	(682.8, 755.4)
Male	45.8	(25.2, 66.4)	56.8	(17.5, 96.2)	242.6	(173.2, 311.9)	511.9	(412.6, 611.3)	558.6	(463.0, 654.3)	1056.1	(922.5, 1189.7)	1072.4	(953.2, 1191.6)	504.6	(470.9, 538.4)
Madison County	39.6	(25.2, 54.0)	224.2	(166.5, 281.8)	717.6	(627.2, 800.8)	974.2	(870.7, 1078.8)	1142.2	(1044.4, 1248.0)	2347.7	(2193.2, 2502.1)	1943.7	(1826.3, 2061.1)	1025.4	(989.5, 1061.3)
Female	45.2	(25.1, 67.4)	291.7	(199.0, 384.5)	859.7	(713.5, 1000.1)	1056.2	(905.2, 1207.2)	1245.7	(1102.1, 1389.5)	2262.7	(2050.0, 2473.5)	2183.0	(2016.0, 2350.1)	1136.2	(1082.4, 1189.7)
Male	31.7	(13.7, 49.6)	147.9	(81.4, 214.3)	553.8	(441.8, 665.7)	771.9	(640.2, 903.6)	974.6	(846.1, 1103.1)	2360.2	(2139.4, 2581.0)	1562.7	(1404.9, 1720.4)	861.4	(814.4, 908.3)
McDonald County	30.9	(22.2, 39.4)	158.6	(123.2, 194.0)	258.1	(220.1, 296.1)	410.6	(364.9, 563.6)	713.4	(656.6, 770.3)	1201.2	(1117.3, 1285.1)	1472.8	(1384.3, 1561.3)	532.0	(513.2, 550.8)
Female	26.8	(15.4, 38.3)	166.3	(113.4, 219.2)	301.1	(249.2, 367.1)	475.6	(405.7, 545.5)	872.9	(828.3, 962.6)	1274.5	(1152.5, 1396.6)	1658.9	(1530.0, 1787.7)	617.1	(588.2, 645.9)
Miller County	28.3	(19.9, 36.8)	155.1	(119.5, 190.6)	269.6	(230.8, 308.3)	396.7	(351.8, 441.6)	556.5	(508.4, 604.5)	1002.5	(932.7, 1072.2)	949.0	(887.5, 1010.6)	461.9	(444.9, 478.9)
Female	30.1	(17.5, 42.7)	178.4	(123.8, 233.0)	287.2	(230.6, 343.7)	481.3	(411.4, 551.5)	590.4	(520.4, 660.5)	974.7	(877.8, 1071.5)	1035.3	(948.5, 1122.2)	505.1	(479.9, 530.2)
Male	24.1	(13.3, 35.0)	99.6	(59.8, 139.5)	194.1	(147.6, 240.5)	283.0	(229.4, 336.6)	481.5	(418.3, 544.7)	926.4	(831.2, 1021.5)	796.4	(712.6, 880.2)	378.2	(356.4, 400.1)
Montgomery County	32.2	(19.1, 45.4)	183.1	(125.6, 240.6)	404.8	(335.3, 473.9)	668.6	(582.2, 755.0)	723.7	(648.2, 799.2)	1663.6	(1538.1, 1789.3)	1536.3	(1434.7, 1637.9)	761.4	(730.4, 792.6)
Female	35.7	(15.5, 55.9)	153.8	(76.0, 231.7)	509.7	(401.4, 618.1)	819.4	(681.2, 957.7)	776.4	(666.3, 886.5)	1858.2	(1668.1, 2048.3)	1710.3	(1567.2, 1853.3)	885.3	(838.1, 932.4)
Male	29.2	(11.9, 46.4)	199.1	(117.8, 280.5)	286.6	(202.9, 370.4)	513.2	(408.4, 618.1)	628.7	(528.8, 728.7)	1435.8	(1273.0, 1598.5)	1297.4	(1156.3, 1438.5)	619.2	(579.7, 656.8)
New Madrid County	27.5	(17.8, 37.1)	105.1	(72.5, 137.6)	311.8	(264.8, 358.8)	605.0	(542.1, 668.0)	671.6	(611.3, 731.9)	1191.4	(1102.6, 1276.7)	1347.8	(1265.3, 1430.3)	601.0	(578.9, 623.0)
Female	21.7	(9.4, 34.0)	121.2	(71.7, 170.8)	301.5	(237.8, 355.2)	603.9	(512.5, 692.6)	788.7	(749.8, 879.0)	1204.9	(1085.9, 1329.3)	1403.5	(1293.0, 1514.0)	652.3	(620.4, 684.2)
Male	27.8	(14.2, 41.4)	93.8	(42.7, 124.8)	292.1	(226.0, 358.2)	455.5	(378.1, 532.9)	442.8	(371.9, 513.7)	1061.2	(945.1, 1177.2)	1104.9	(989.6, 1220.1)	467.3	(439.2, 495.4)
Newton County	35.5	(29.4, 41.6)	146.8	(125.8, 197.8)	494.0	(459.8, 528.3)	685.2	(646.4, 723.5)	888.1	(848.0, 928.2)	1556.2	(1498.8, 1613.7)	1663.3	(1609.8, 1717.0)	738.6	(724.6, 753.6)
Female	33.1	(24.6, 41.7)	154.9	(124.3, 185.6)	547.3	(496.4, 598.8)	802.4	(744.0, 860.8)	944.5	(884.6, 1002.7)	1705.5	(1620.7, 1793.9)	1743.8	(1670.3, 1837.4)	826.7	(805.9, 847.6)
Male	35.0	(26.7, 43.4)	123.4	(96.4, 190.5)	386.8	(348.3, 429.8)	524.3	(476.9, 571.8)	760.4	(707.1, 813.3)	1338.9	(1263.2, 1414.6)	1458.9	(1383.2, 1534.7)	603.6	(585.7, 621.5)
Ossage County	25.6	(14.9, 36.3)	176.1	(130.4, 221.8)	259.6	(208.2, 311.0)	372.5	(316.2, 428.8)	493.4	(433.5, 552.3)	1015.2	(917.8, 1112.7)	1086.2	(995.6, 1175.8)	457.4	(434.9, 479.5)
Female	21.6	(7.5, 35.7)	285.1	(190.9, 379.6)	327.7	(243.4, 412.0)	497.7	(404.7, 590.8)	569.7	(475.3, 664.1)	1017.9	(876.5, 1159.3)	1104.9	(987.2, 1231.5)	521.4	(486.7, 556.1)
Male	29.5	(13.4, 45.5)	104.5	(59.8, 149.2)	194.5	(133.5, 255.6)	234.8	(172.2, 292.4)	409.5	(335.0, 484.1)	980.3	(848.0, 1112.5)	1027.8	(897.8, 1157.9)	384.5	(355.9, 413.2)
Pemiscot County	25.4	(16.6, 34.2)	116.8	(83.4, 150.2)	588.1	(522.3, 653.9)	945.9	(863.6, 1028.2)	1340.7	(1250.0, 1480.3)	2446.7	(2315.2, 2578.1)	1945.8	(1840.4, 2051.2)	599.6	(581.2, 987.9)
Female	14.5	(5.0, 24.0)	171.4	(115.4, 227.4)	669.6	(574.2, 765.1)	1123.3	(998.1, 1248.0)	1460.0	(130.0, 1590.1)	2409.1	(2228.8, 2589.4)	1840.3	(1706.4, 1974.2)	1017.5	(977.1, 1057.9)
Male	32.9	(18.8, 46.9)	57.1	(23.4, 90.9)	483.8	(395.8, 571.9)	728.0	(623.9, 832.0)	1201.6	(1078.9, 1342.4)	2460.9	(2270.0, 2651.9)	2087.9	(1918.3, 2257.5)	885.0	(845.5, 924.6)
Perry County	48.7	(36.2, 61.3)	222.2	(174.1, 270.3)	309.6	(263.8, 355.3)	513.5	(458.5, 571.1)	511.7	(458.5, 564.9)	1040.9	(958.4, 1124.3)	1086.5	(1011.4, 1161.6)	504.1	(483.9, 524.3)
Female	36.5	(20.9, 52.1)	274.3	(196.7, 351.9)	271.2	(209.9, 332.6)	507.7	(459.5, 589.5)	623.8	(504.0, 670.7)	1232.6	(1105.1, 1360.1)	1090.9	(991.1, 1190.7)	557.8	(527.8, 587.8)
Male	60.2	(40.8, 76.9)	149.5	(95.1, 203.9)	315.1	(250.7, 379.5)	439.7	(364.9, 514.3)	582.7	(317.7, 447.8)	835.2	(731.0, 939.3)	1033.7	(922.1, 1145.2)	423.2	(397.0, 449.4)
Pettis County	24.9	(18.9, 30.8)	161.9	(136.9, 186.9)	391.8	(353.8, 425.4)	534.1	(493.4, 574.9)	650.5	(609.8, 690.5)	1028.7	(962.7, 1392.9)	1345.8	(1288.1, 1403.5)	577.7	(563.2, 592.2)
Female	18.1	(10.8, 25.3)	165.5	(129.9, 201.1)	356.7	(311.1, 402.3)	529.7	(472.2, 587.1)	568.2	(514.6, 618.1)	1203.1	(1115.9, 1290.4)	1189.1	(1117.6, 1260.7)	539.0	(519.4, 558.7)
Male	27.1	(18.3, 35.8)	95.4	(68.1, 122.7)	232.2	(195.9, 268.5)	302.3	(259.0, 345.5)	471.7	(423.2, 520.1)	875.9	(800.9, 950.9)	1101.0	(1020.8, 1181.1)	393.7	(376.6, 410.8)
Phelps County	33.1	(25.9, 40.3)	86.9	(73.8, 100.0)	503.9	(466.5, 541.3)	923.8	(846.7, 974.9)	1024.4	(973.5, 1074.9)	2074.4	(1994.4, 2154.2)	2012.0	(1912.6, 2082.9)	823.6	(806.9, 840.40)
Female	28.4	(18.7, 38.0)	137.3	(109.5, 165.0)	500.0	(475.4, 554.5)	908.3	(832.1, 984.4)	978.1	(909.0, 1047.2)	2103.9	(1991.1, 2126.6)	2004.7	(1910.0, 2099.3)	897.0	(871.7, 923.3)
Male	31.9	(22.1, 41.7)	47.6	(35.6, 59.6)	382.9	(338.1, 427.8)	687.0	(620.6, 753.4)	824.0	(758.7, 889.2)	1691.2	(1587.8, 1794.7)	1741.8	(1642.6, 1841.0)	612.2	(592.3, 632.2)
Ripley County	33.1	(22.0, 44.2)	106.1	(74.0, 138.2)	274.8	(233.3, 216.4)	454.1	(485.1, 605.2)	801.9	(736.7, 867.1)	1463.5	(1364.1, 1562.9)	1333.3	(1249.0, 1417.6)	634.0	(611.1, 657.0)
Female	34.3	(18.0, 50.7)	171.0	(107.7, 234.3)	460.6	(373.7, 547.4)	755.0	(641.8, 868.1)	1146.5	(1027.4, 1265.6)	1575.1	(1426.2, 1724.0)	1478.4	(1357.5, 1599.4)	805.2	(766.7, 843.6)
Male	32.0	(16.6, 47.2)	51.7	(25.8, 81.0)	127.4	(91.4, 163.4)	400.0	(324.3, 465.8)	538.6	(467.9, 609.3)	1309.6	(1179.0, 1440.0)	1127.8	(1013.7, 1242.0)	474.5	(447.7, 501.3)
Polk County	23.5	(16.6, 30.3)	95.3	(75.1, 115.4)	382.7	(340.7, 424.7)	595.9	(510.2, 608.3)	640.2	(592.9, 687.6)	1122.4	(1052.7, 1192.1)	1007.8	(952.4, 1063.3)	502.6	(486.8, 518.3)
Female	24.4	(12.4, 36.3)	128.7	(88.												