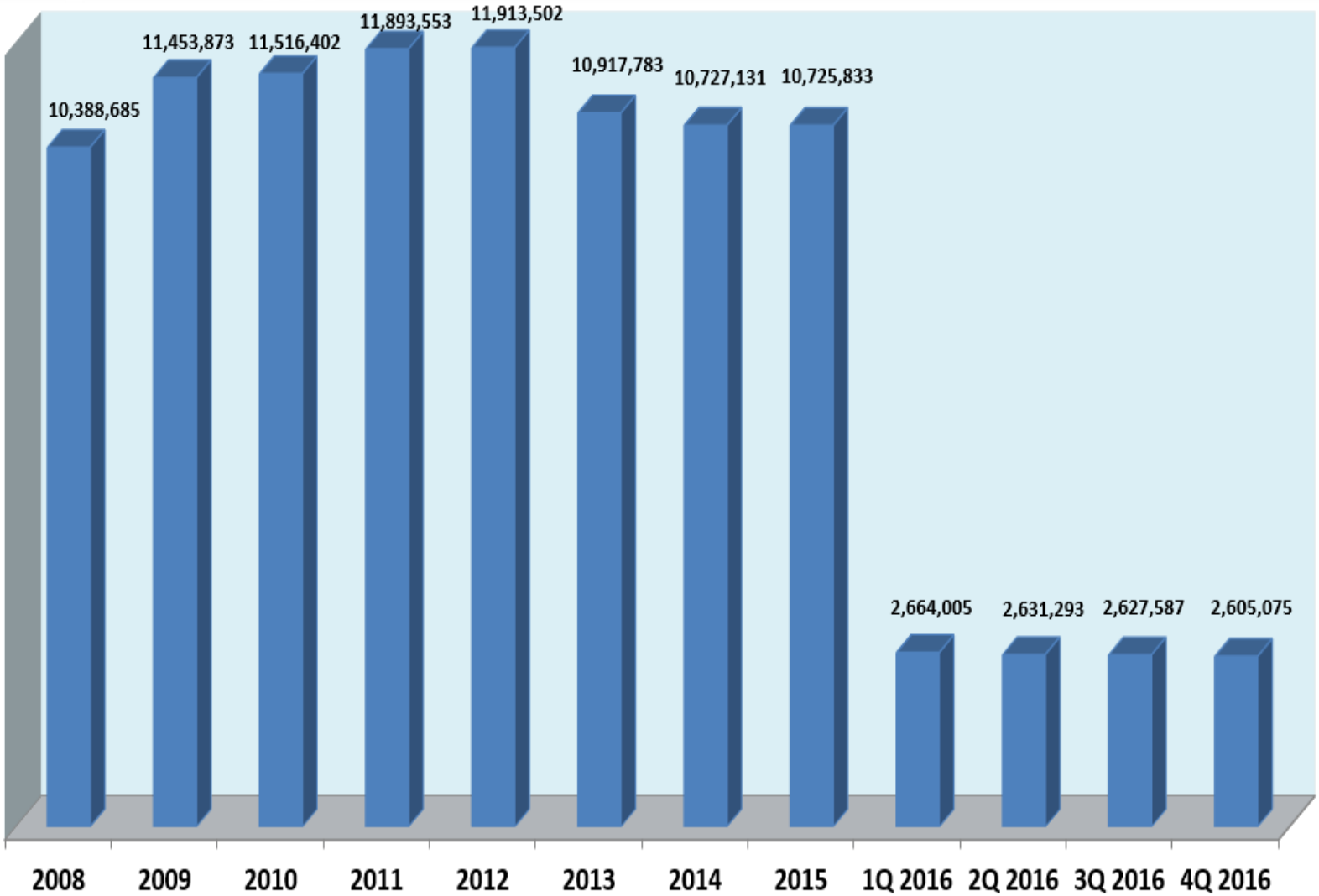
Kentucky All Schedule Prescription Electronic Reporting

Quarterly Trend Report
4th Quarter 2016

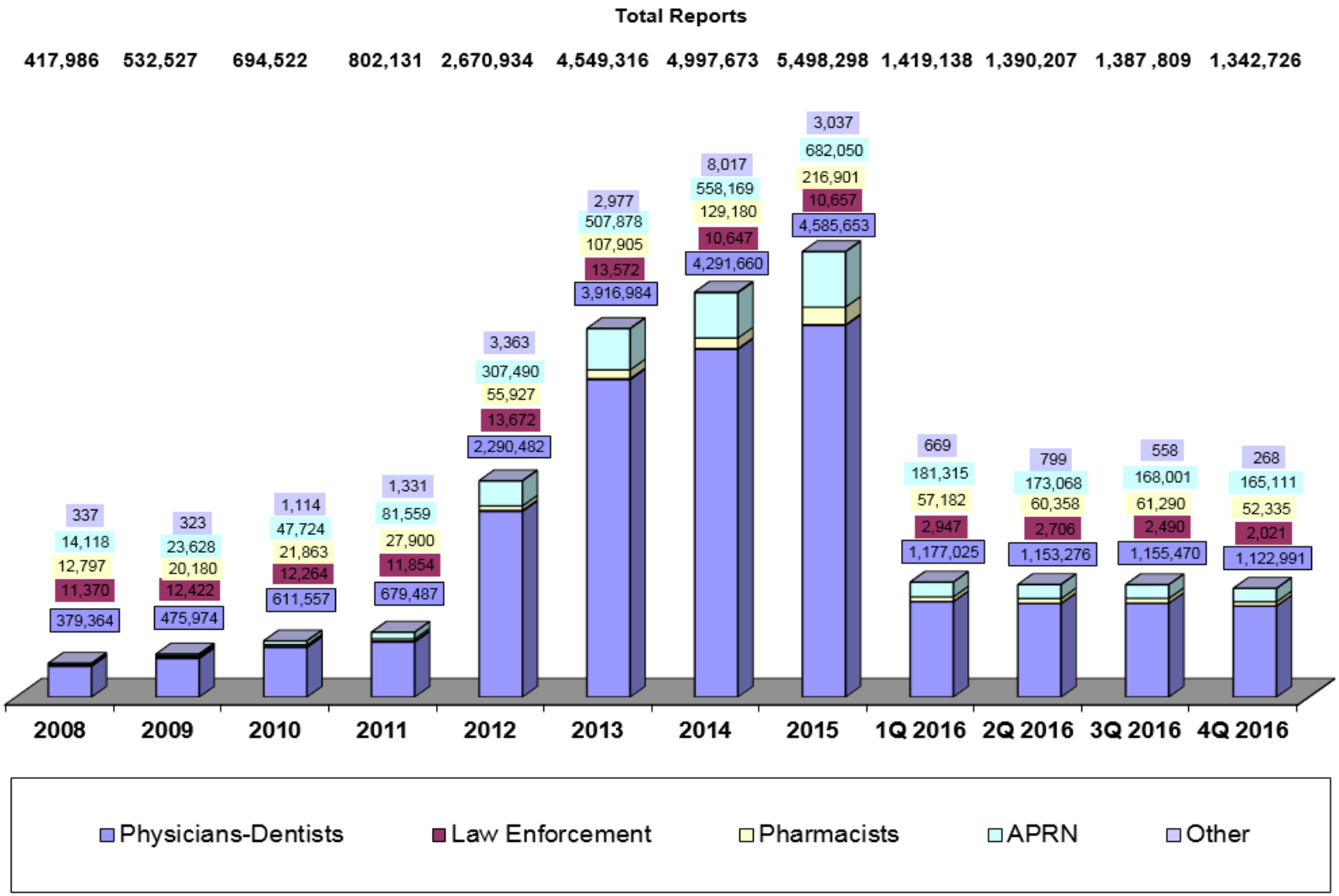
Cabinet for Health and Family Services
Office of Inspector General
275 E. Main Street
Frankfort, KY 40621

Kentucky
UNBRIDLED SPIRIT™

KASPER Records Added 2008 – Q4 2016



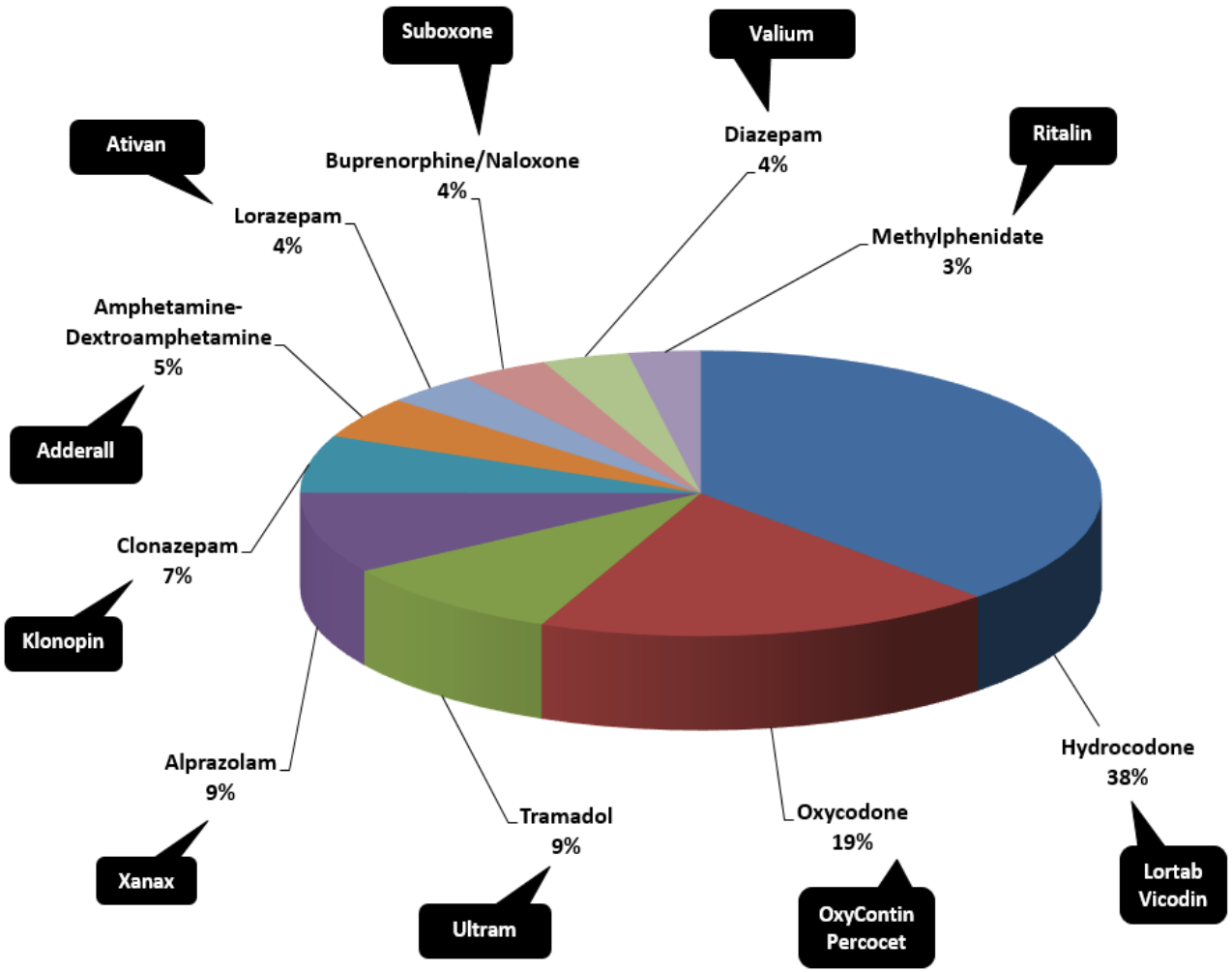
KASPER Reports Requested 2008 – Q4 2016



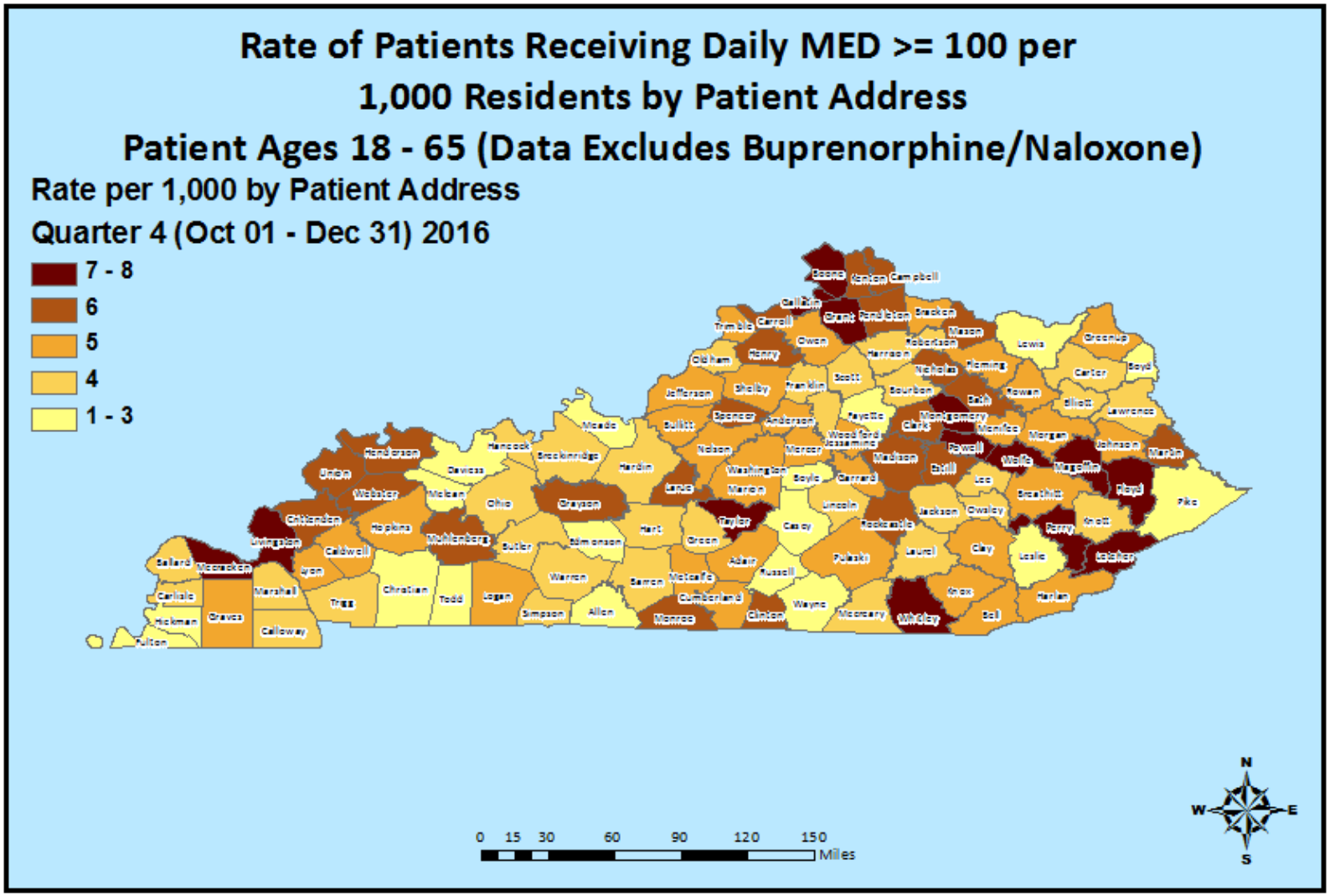
Cabinet for Health and Family Services

Kentucky UNBRIDLED SPIRIT

Top Prescribed Controlled Substances by Therapeutic Category by Doses – Q4 2016



Opioid Morphine Equivalent Dose (MED) Data Q4 2016



Cabinet for Health and Family Services

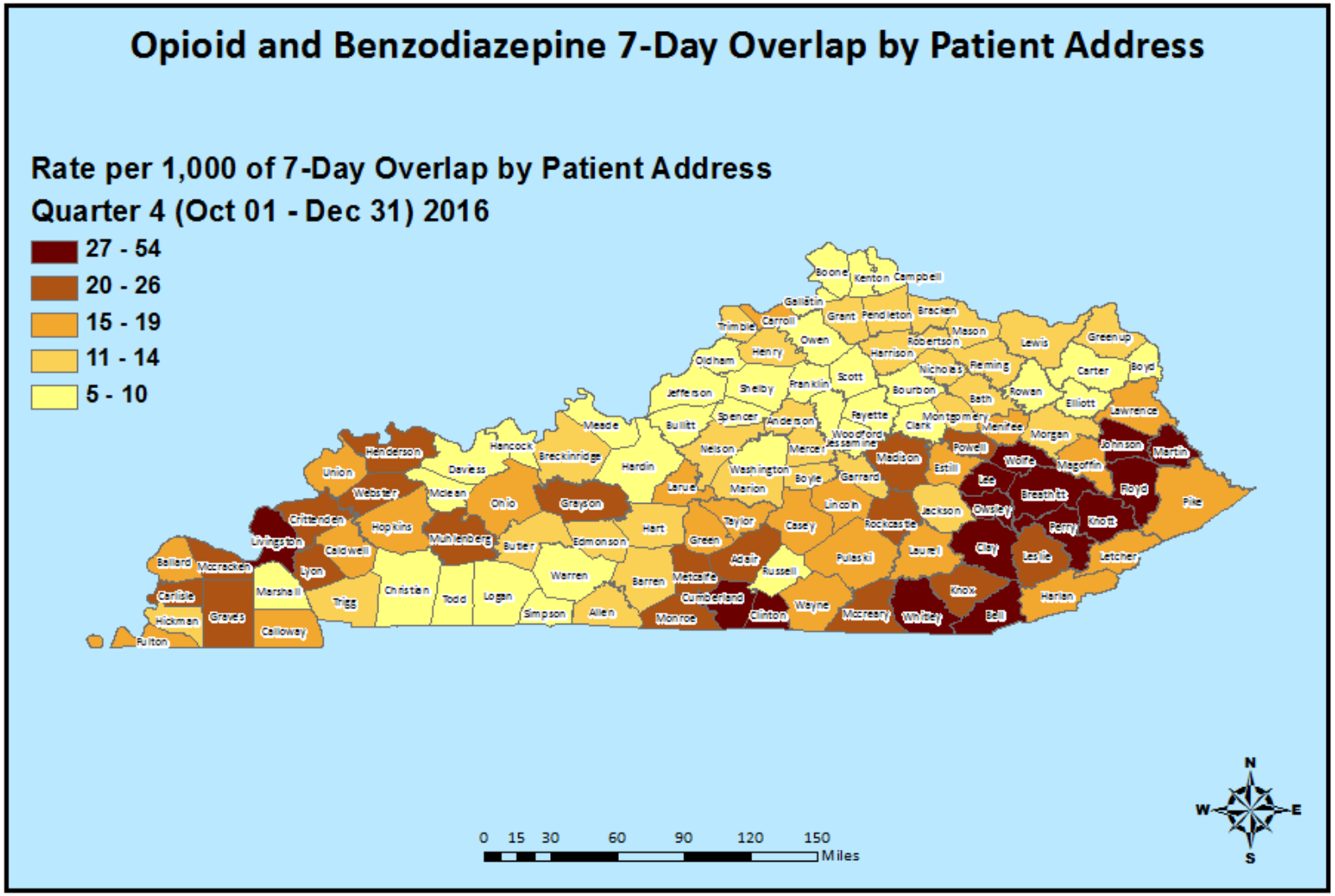
Kentucky
UNBRIDLED SPIRIT

Opioid Morphine Equivalent Dose (MED) Data Q4 2016

Rate of Patients Receiving Daily Morphine Equivalent Dosage >= 100 per 1,000 Residents for Quarter 4, 2016 Patient Ages 18 - 65 (Data Excludes Buprenorphine/Naloxone)							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	5	EDMONSON	3	KNOX	4	NICHOLAS	6
ALLEN	3	ELLIOTT	4	LARUE	5	OHIO	4
ANDERSON	5	ESTILL	5	LAUREL	4	OLDHAM	3
BALLARD	4	FAYETTE	3	LAWRENCE	3	OWEN	4
BARREN	3	FLEMING	4	LEE	4	OWSLEY	4
BATH	5	FLOYD	6	LESLIE	3	PENDLETON	5
BELL	5	FRANKLIN	4	LETCHER	7	PERRY	7
BOONE	6	FULTON	3	LEWIS	3	PIKE	2
BOURBON	4	GALLATIN	7	LINCOLN	4	POWELL	8
BOYD	2	GARRARD	4	LIVINGSTON	7	PULASKI	4
BOYLE	3	GRANT	6	LOGAN	4	ROBERTSON	4
BRACKEN	4	GRAVES	5	LYON	5	ROCKCASTLE	6
BREATHITT	5	GRAYSON	5	MADISON	5	ROWAN	4
BRECKINRIDGE	4	GREEN	3	MAGOFFIN	8	RUSSELL	1
BULLITT	5	GREENUP	4	MARION	4	SCOTT	4
BUTLER	4	HANCOCK	4	MARSHALL	4	SHELBY	4
CALDWELL	4	HARDIN	4	MARTIN	6	SIMPSON	4
CALLOWAY	4	HARLAN	5	MASON	5	SPENCER	6
CAMPBELL	5	HARRISON	4	MCCRACKEN	6	TAYLOR	6
CARLISLE	4	HART	4	MCCREARY	4	TODD	2
CARROLL	6	HENDERSON	6	MCLEAN	3	TRIGG	4
CARTER	3	HENRY	5	MEADE	3	TRIMBLE	5
CASEY	3	HICKMAN	3	MENIFEE	5	UNION	5
CHRISTIAN	2	HOPKINS	5	MERCER	4	WARREN	4
CLARK	5	JACKSON	4	METCALFE	4	WASHINGTON	4
CLAY	5	JEFFERSON	4	MONROE	5	WAYNE	3
CLINTON	5	JESSAMINE	4	MONTGOMERY	7	WEBSTER	6
CRITTENDEN	5	JOHNSON	5	MORGAN	4	WHITLEY	7
CUMBERLAND	4	KENTON	5	MUHLENBERG	5	WOLFE	6
DAVIESS	2	KNOTT	4	NELSON	4	WOODFORD	4

Kentucky UNBRIDLED SPIRIT

Patients with Seven or More Days of Overlapping Opioid and Benzodiazepine Prescriptions Q4 2016



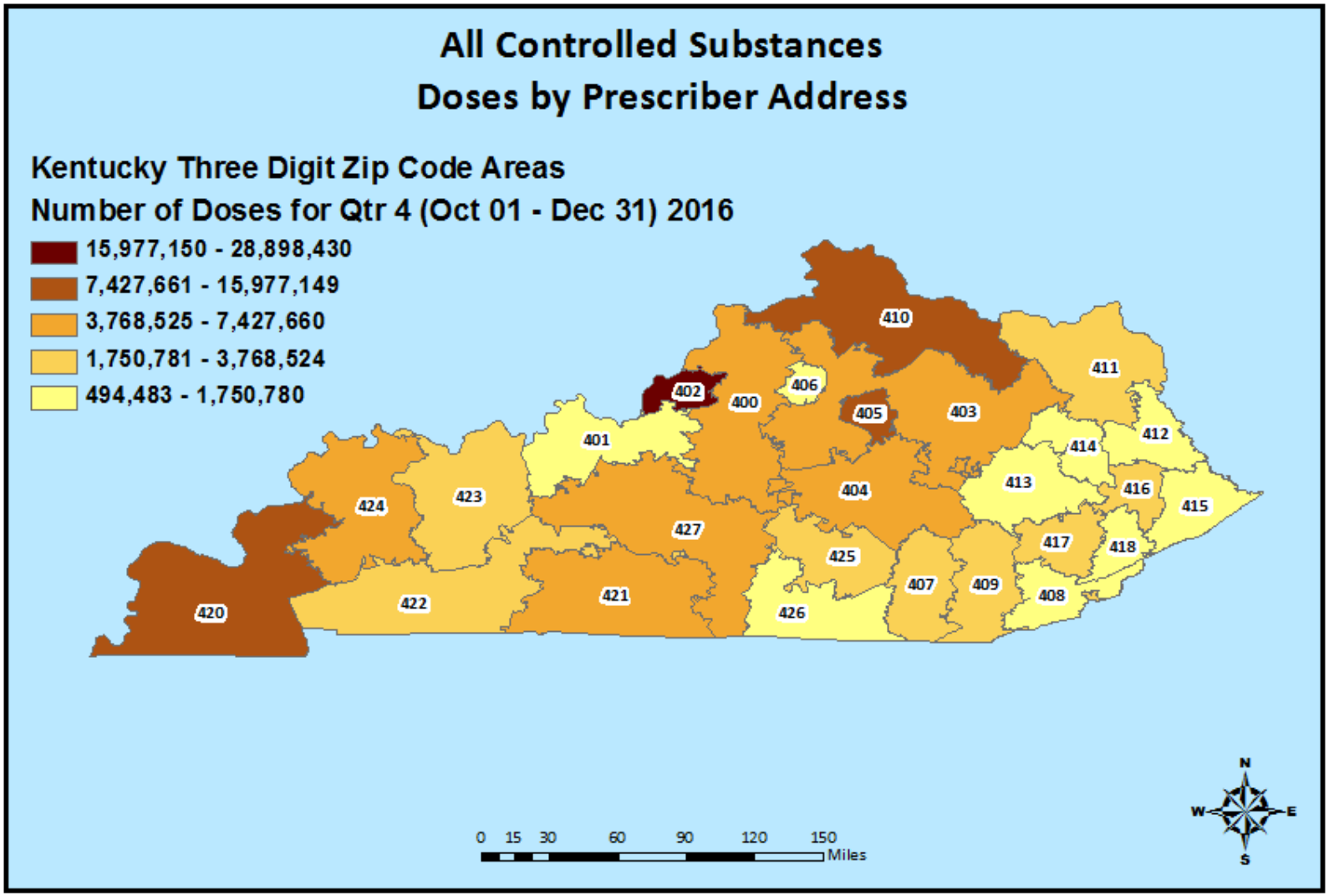
Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Patients with Seven or More Days of Overlapping Opioid and Benzodiazepine Prescriptions Q4 2016

Rate of Patients With at Least a 7-Day Overlap of Opioids and Benzodiazepines per 1,000 for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	19	EDMONSON	12	KNOX	25	NICHOLAS	11
ALLEN	14	ELLIOTT	8	LARUE	15	OHIO	16
ANDERSON	11	ESTILL	18	LAUREL	14	OLDHAM	5
BALLARD	17	FAYETTE	5	LAWRENCE	18	OWEN	8
BARREN	13	FLEMING	12	LEE	29	OWSLEY	37
BATH	10	FLOYD	37	LESLIE	19	PENDLETON	10
BELL	54	FRANKLIN	9	LETCHER	16	PERRY	27
BOONE	8	FULTON	15	LEWIS	13	PIKE	16
BOURBON	9	GALLATIN	9	LINCOLN	16	POWELL	22
BOYD	6	GARRARD	12	LIVINGSTON	27	PULASKI	15
BOYLE	13	GRANT	10	LOGAN	9	ROBERTSON	11
BRACKEN	12	GRAVES	19	LYON	20	ROCKCASTLE	20
BREATHITT	32	GRAYSON	22	MADISON	20	ROWAN	9
BRECKINRIDGE	10	GREEN	15	MAGOFFIN	14	RUSSELL	7
BULLITT	9	GREENUP	12	MARION	13	SCOTT	7
BUTLER	12	HANCOCK	9	MARSHALL	8	SHELBY	8
CALDWELL	18	HARDIN	8	MARTIN	37	SIMPSON	9
CALLOWAY	15	HARLAN	18	MASON	11	SPENCER	10
CAMPBELL	8	HARRISON	12	MCCRACKEN	24	TAYLOR	16
CARLISLE	20	HART	10	MCCREARY	26	TODD	8
CARROLL	14	HENDERSON	20	MCLEAN	8	TRIGG	13
CARTER	9	HENRY	12	MEADE	6	TRIMBLE	12
CASEY	17	HICKMAN	12	MENIFEE	14	UNION	19
CHRISTIAN	7	HOPKINS	17	MERCER	11	WARREN	8
CLARK	9	JACKSON	11	METCALFE	21	WASHINGTON	8
CLAY	38	JEFFERSON	8	MONROE	23	WAYNE	18
CLINTON	31	JESSAMINE	8	MONTGOMERY	12	WEBSTER	21
CRITTENDEN	24	JOHNSON	30	MORGAN	13	WHITLEY	28
CUMBERLAND	28	KENTON	7	MUHLENBERG	21	WOLFE	30
DAVIESS	7	KNOTT	28	NELSON	10	WOODFORD	7

Controlled Substance Prescribing Q4 2016



Cabinet for Health and Family Services

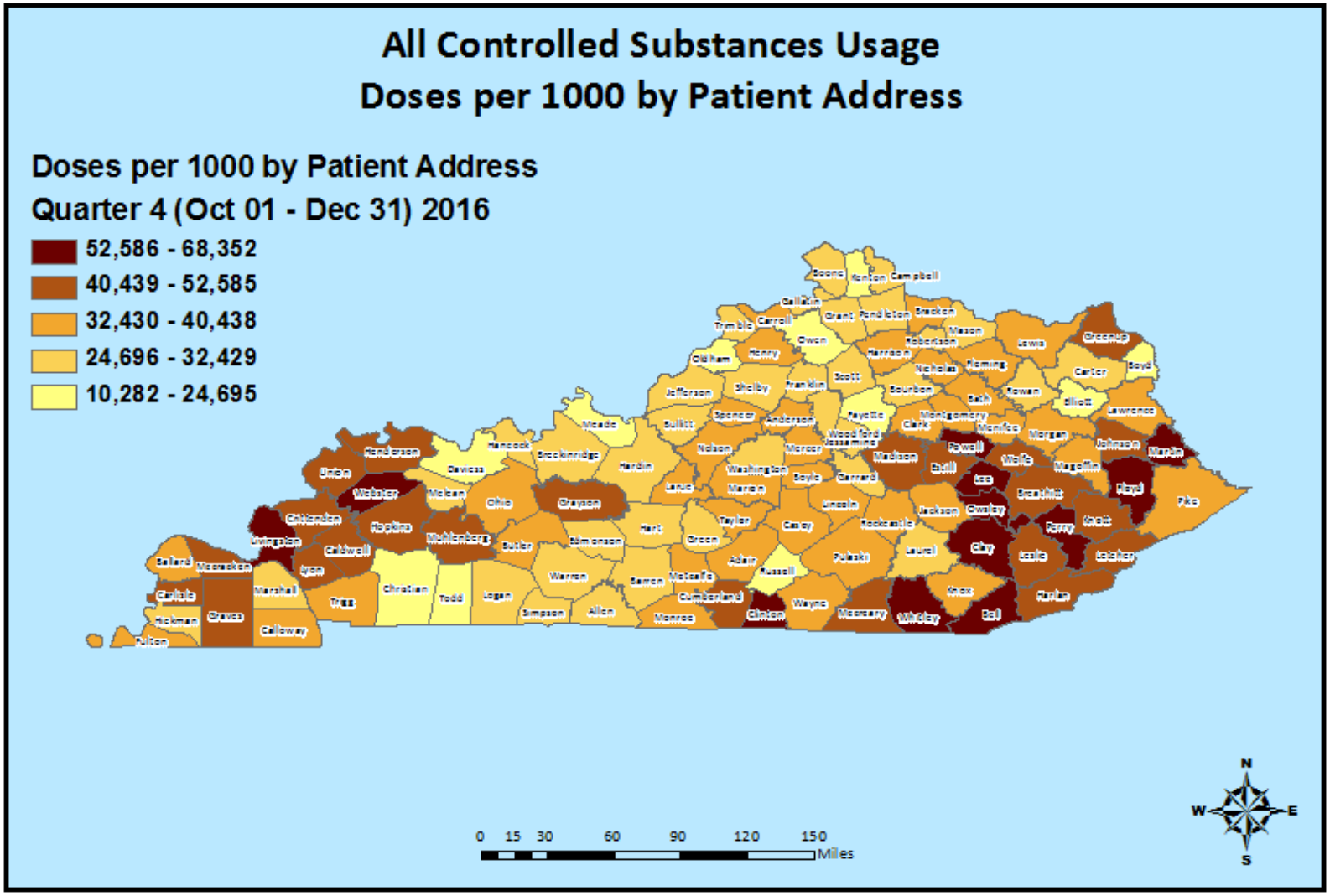
Kentucky UNBRIDLED SPIRIT

Controlled Substance Prescribing Q4 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of all Controlled Substances for Quarter 4, 2016
400	4,460,403
401	1,480,637
402	28,898,430
403	6,518,228
404	4,993,992
405	15,977,149
406	1,373,989
407	3,458,912
408	762,996
409	2,933,091
410	12,062,750
411	3,768,524
412	1,658,750
413	1,750,780
414	494,483
415	1,186,477
416	2,335,555
417	2,924,752
418	593,777
420	10,046,763
421	7,427,660
422	2,159,674
423	2,746,173
424	5,042,839
425	2,470,481
426	1,228,687
427	5,066,651
Totals	133,822,603

Kentucky UNBRIDLED SPIRIT

Controlled Substance Usage
Q4 2016



Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Controlled Substance Usage
Q4 2016

Actual Number of All Controlled Substances Doses for Quarter 4, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	630,934	EDMONSON	380,941	KNOX	1,253,189	NICHOLAS	251,491
ALLEN	655,053	ELLIOTT	171,201	LARUE	541,451	OHIO	945,101
ANDERSON	740,848	ESTILL	737,843	LAUREL	1,904,802	OLDHAM	1,458,021
BALLARD	295,624	FAYETTE	6,582,802	LAWRENCE	568,138	OWEN	256,559
BARREN	1,315,543	FLEMING	491,621	LEE	425,113	OWSLEY	318,109
BATH	407,554	FLOYD	2,421,495	LESLIE	489,122	PENDLETON	411,850
BELL	1,726,558	FRANKLIN	1,497,174	LETCHER	1,030,793	PERRY	1,729,026
BOONE	3,268,849	FULTON	243,690	LEWIS	451,088	PIKE	2,105,819
BOURBON	617,756	GALLATIN	252,385	LINCOLN	898,301	POWELL	692,896
BOYD	998,968	GARRARD	515,644	LIVINGSTON	549,299	PULASKI	2,262,686
BOYLE	987,811	GRANT	682,891	LOGAN	849,777	ROBERTSON	70,210
BRACKEN	292,979	GRAVES	1,605,679	LYON	389,504	ROCKCASTLE	661,060
BREATHITT	687,538	GRAYSON	1,251,155	MADISON	2,455,031	ROWAN	690,940
BRECKINRIDGE	626,180	GREEN	354,934	MAGOFFIN	741,439	RUSSELL	182,532
BULLITT	2,215,951	GREENUP	1,577,628	MARION	650,047	SCOTT	1,418,426
BUTLER	423,738	HANCOCK	239,414	MARSHALL	1,474,102	SHELBY	1,315,302
CALDWELL	536,760	HARDIN	2,959,687	MARTIN	533,051	SIMPSON	510,083
CALLOWAY	1,263,022	HARLAN	1,243,505	MASON	461,399	SPENCER	591,185
CAMPBELL	2,396,649	HARRISON	617,594	MCCRACKEN	2,998,437	TAYLOR	988,902
CARLISLE	211,401	HART	513,275	MCCREARY	630,839	TODD	308,763
CARROLL	440,054	HENDERSON	2,297,914	MCLEAN	384,003	TRIGG	514,547
CARTER	776,318	HENRY	558,241	MEADE	582,161	TRIMBLE	269,886
CASEY	529,299	HICKMAN	121,873	MENIFEE	230,953	UNION	693,338
CHRISTIAN	1,582,173	HOPKINS	2,069,891	MERCER	759,155	WARREN	3,225,847
CLARK	1,217,482	JACKSON	461,839	METCALFE	397,876	WASHINGTON	316,826
CLAY	1,269,366	JEFFERSON	22,105,685	MONROE	416,433	WAYNE	747,714
CLINTON	547,797	JESSAMINE	1,441,911	MONTGOMERY	988,046	WEBSTER	717,942
CRITTENDEN	486,675	JOHNSON	1,170,394	MORGAN	471,140	WHITLEY	2,060,931
CUMBERLAND	334,286	KENTON	3,684,108	MUHLENBERG	1,570,683	WOLFE	349,677
DAVIESS	2,200,826	KNOTT	835,546	NELSON	1,550,694	WOODFORD	708,985
						TOTAL	142,192,672

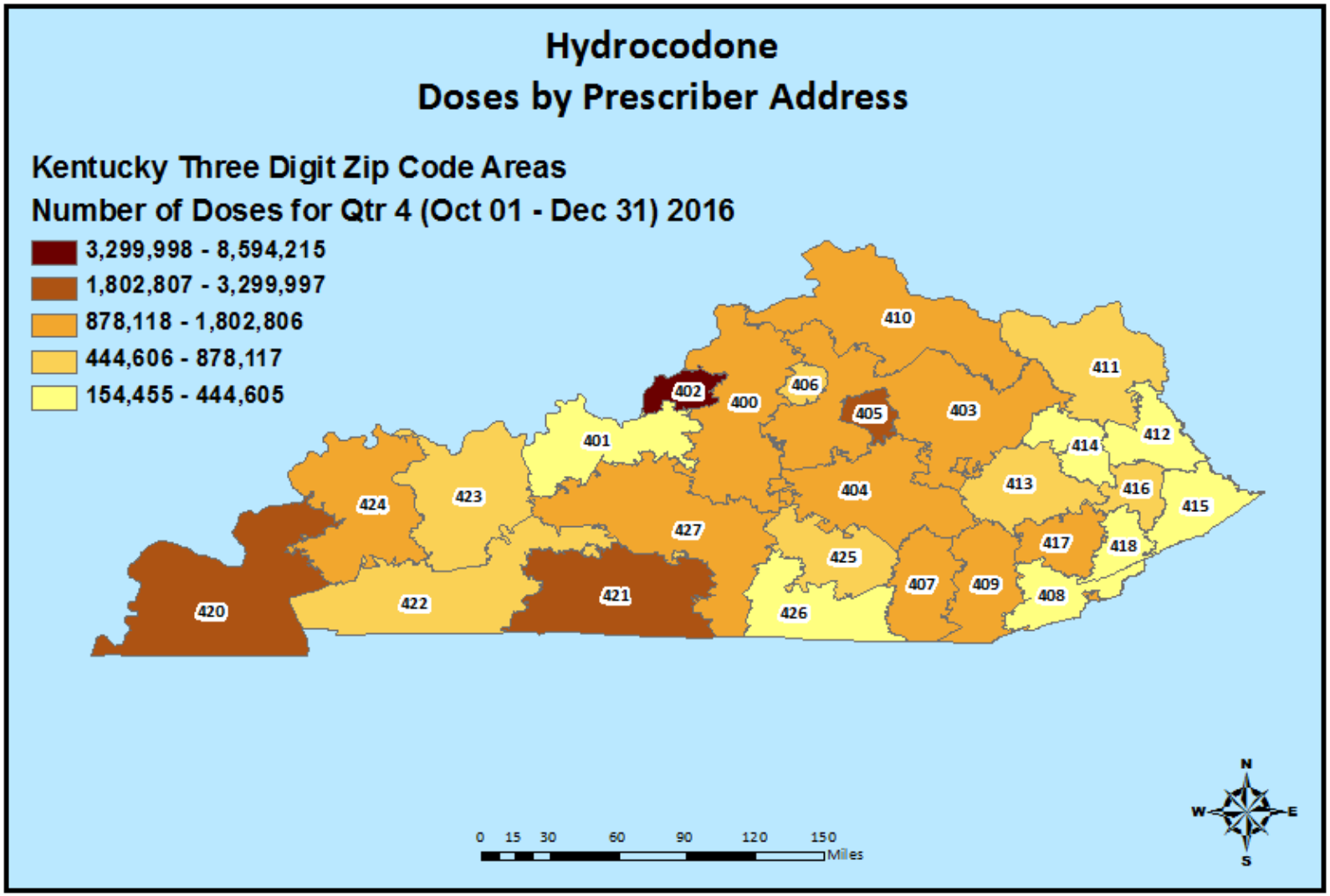
Kentucky UNBRIDLED SPIRIT

Per 1000 Controlled Substance Usage Q4 2016

Actual Number of All Controlled Substances Doses per 1,000 Residents for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	33,682	EDMONSON	31,582	KNOX	39,421	NICHOLAS	35,728
ALLEN	32,251	ELLIOTT	22,417	LARUE	38,499	OHIO	39,399
ANDERSON	33,967	ESTILL	50,928	LAUREL	31,980	OLDHAM	23,379
BALLARD	35,481	FAYETTE	21,343	LAWRENCE	35,831	OWEN	24,063
BARREN	30,575	FLEMING	33,886	LEE	58,556	OWSLEY	68,352
BATH	34,074	FLOYD	62,526	LESLIE	44,389	PENDLETON	28,267
BELL	61,917	FRANKLIN	30,156	LETCHER	43,643	PERRY	61,729
BOONE	26,268	FULTON	38,166	LEWIS	32,673	PIKE	33,225
BOURBON	30,891	GALLATIN	29,783	LINCOLN	36,861	POWELL	55,458
BOYD	20,435	GARRARD	30,484	LIVINGSTON	58,692	PULASKI	35,406
BOYLE	34,047	GRANT	27,588	LOGAN	31,618	ROBERTSON	31,414
BRACKEN	34,812	GRAVES	42,874	LYON	46,090	ROCKCASTLE	39,601
BREATHITT	50,760	GRAYSON	48,127	MADISON	45,867	ROWAN	29,368
BRECKINRIDGE	31,247	GREEN	31,747	MAGOFFIN	35,068	RUSSELL	10,282
BULLITT	28,833	GREENUP	43,200	MARION	40,438	SCOTT	28,399
BUTLER	33,123	HANCOCK	27,560	MARSHALL	28,684	SHELBY	29,747
CALDWELL	41,859	HARDIN	27,356	MARTIN	57,254	SIMPSON	28,668
CALLOWAY	33,540	HARLAN	43,633	MASON	32,429	SPENCER	33,520
CAMPBELL	26,340	HARRISON	33,351	MCCRACKEN	47,388	TAYLOR	40,119
CARLISLE	42,272	HART	27,636	MCCREARY	42,148	TODD	24,695
CARROLL	40,177	HENDERSON	49,581	MCLEAN	26,704	TRIGG	36,000
CARTER	28,539	HENRY	36,144	MEADE	19,930	TRIMBLE	30,613
CASEY	32,943	HICKMAN	25,685	MENIFEE	36,729	UNION	46,133
CHRISTIAN	21,333	HOPKINS	44,386	MERCER	35,559	WARREN	27,252
CLARK	34,185	JACKSON	34,396	METCALFE	39,855	WASHINGTON	26,680
CLAY	59,416	JEFFERSON	29,208	MONROE	38,988	WAYNE	36,160
CLINTON	53,991	JESSAMINE	28,739	MONTGOMERY	36,257	WEBSTER	53,371
CRITTENDEN	52,585	JOHNSON	49,912	MORGAN	35,212	WHITLEY	57,623
CUMBERLAND	49,239	KENTON	22,582	MUHLENBERG	50,376	WOLFE	48,245
DAVIESS	22,408	KNOTT	52,300	NELSON	34,816	WOODFORD	28,051

Kentucky UNBRIDLED SPIRIT

Hydrocodone Prescribing
Q4 2016



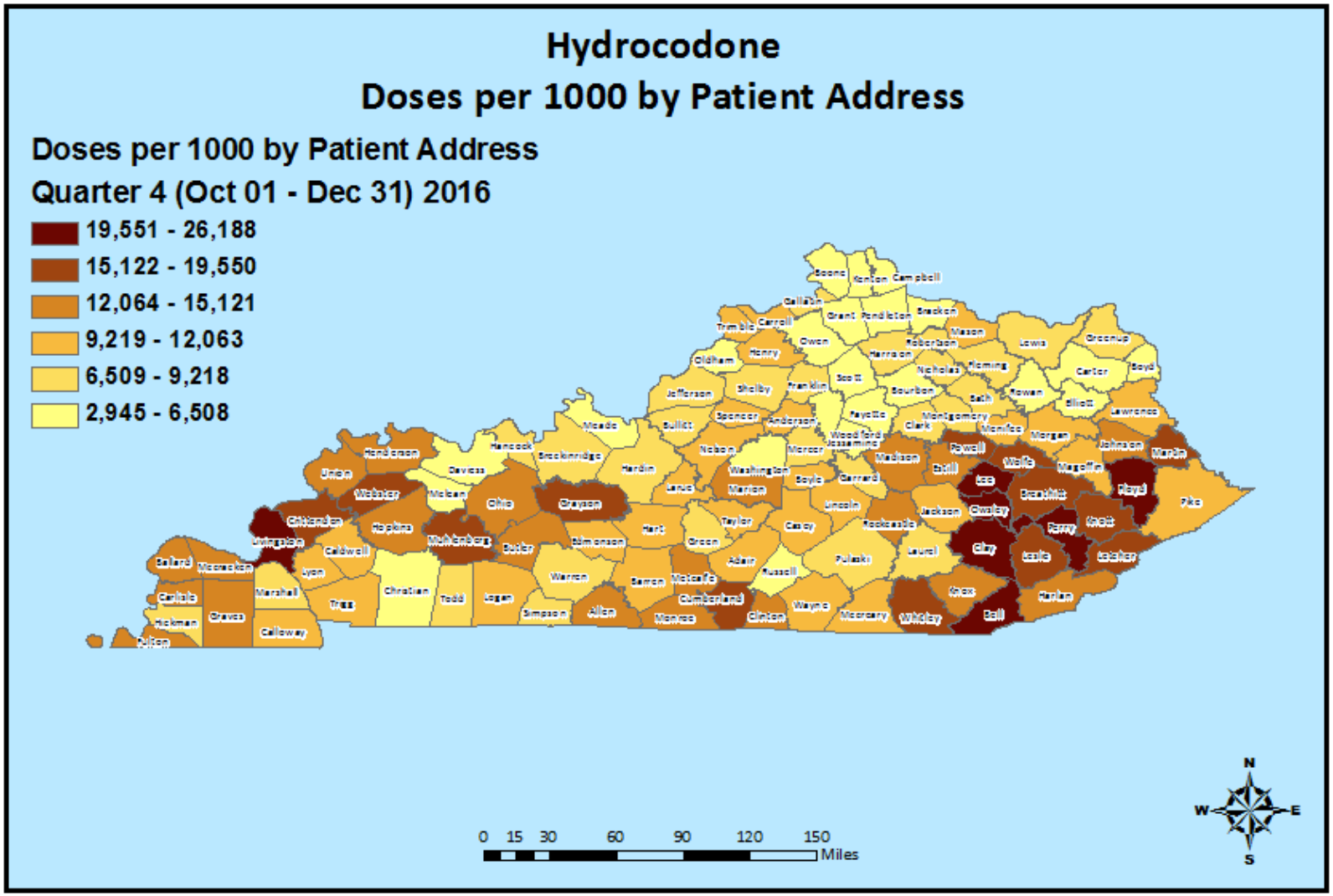
Cabinet for Health and Family Services

Kentucky UNBRIDLED SPIRIT

Hydrocodone Prescribing Q4 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of all Hydrocodone Doses for Quarter 4, 2016
400	1,187,478
401	327,514
402	8,594,215
403	1,369,662
404	1,541,945
405	3,299,997
406	527,664
407	1,069,628
408	256,571
409	1,140,516
410	1,802,806
411	740,835
412	444,605
413	631,916
414	165,386
415	346,059
416	817,735
417	1,247,910
418	154,455
420	3,160,875
421	2,708,630
422	580,268
423	878,117
424	1,597,102
425	533,560
426	410,125
427	1,398,329
Totals	36,933,903

Hydrocodone Usage
Q4 2016



Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Hydrocodone Usage
Q4 2016

Actual Number of Hydrocodone Doses for Quarter 4, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	214,152	EDMONSON	136,640	KNOX	393,726	NICHOLAS	53,778
ALLEN	264,990	ELLIOTT	37,970	LARUE	159,292	OHIO	351,038
ANDERSON	224,590	ESTILL	215,913	LAUREL	540,778	OLDHAM	333,766
BALLARD	104,118	FAYETTE	1,226,202	LAWRENCE	148,446	OWEN	58,073
BARREN	462,289	FLEMING	107,658	LEE	151,275	OWSLEY	121,877
BATH	93,336	FLOYD	823,092	LESLIE	188,200	PENDLETON	72,467
BELL	623,663	FRANKLIN	409,343	LETCHER	371,641	PERRY	580,848
BOONE	466,914	FULTON	92,364	LEWIS	113,713	PIKE	721,998
BOURBON	123,322	GALLATIN	56,934	LINCOLN	249,666	POWELL	207,010
BOYD	189,956	GARRARD	123,210	LIVINGSTON	189,570	PULASKI	543,519
BOYLE	284,965	GRANT	114,453	LOGAN	283,904	ROBERTSON	19,169
BRACKEN	48,865	GRAVES	498,354	LYON	101,942	ROCKCASTLE	231,319
BREATHITT	227,879	GRAYSON	430,528	MADISON	596,538	ROWAN	134,151
BRECKINRIDGE	184,726	GREEN	87,637	MAGOFFIN	230,459	RUSSELL	58,279
BULLITT	676,128	GREENUP	314,669	MARION	197,970	SCOTT	305,534
BUTLER	180,216	HANCOCK	68,987	MARSHALL	423,832	SHELBY	370,225
CALDWELL	148,449	HARDIN	855,147	MARTIN	125,863	SIMPSON	158,762
CALLOWAY	366,283	HARLAN	406,121	MASON	83,568	SPENCER	168,529
CAMPBELL	371,469	HARRISON	137,062	MCCRACKEN	899,601	TAYLOR	259,924
CARLISLE	63,250	HART	174,108	MCCREARY	197,236	TODD	112,729
CARROLL	130,533	HENDERSON	612,749	MCLEAN	138,787	TRIGG	143,968
CARTER	158,210	HENRY	171,624	MEADE	164,744	TRIMBLE	90,666
CASEY	161,439	HICKMAN	37,999	MENIFEE	65,930	UNION	224,990
CHRISTIAN	465,394	HOPKINS	705,144	MERCER	194,792	WARREN	953,967
CLARK	269,023	JACKSON	141,483	METCALFE	149,773	WASHINGTON	75,763
CLAY	534,075	JEFFERSON	6,462,002	MONROE	143,603	WAYNE	229,312
CLINTON	152,799	JESSAMINE	286,206	MONTGOMERY	210,189	WEBSTER	227,687
CRITTENDEN	180,934	JOHNSON	335,059	MORGAN	127,710	WHITLEY	581,954
CUMBERLAND	113,952	KENTON	480,490	MUHLENBERG	569,882	WOLFE	125,594
DAVIESS	639,213	KNOTT	269,116	NELSON	437,951	WOODFORD	158,949
						TOTAL	39,469,822

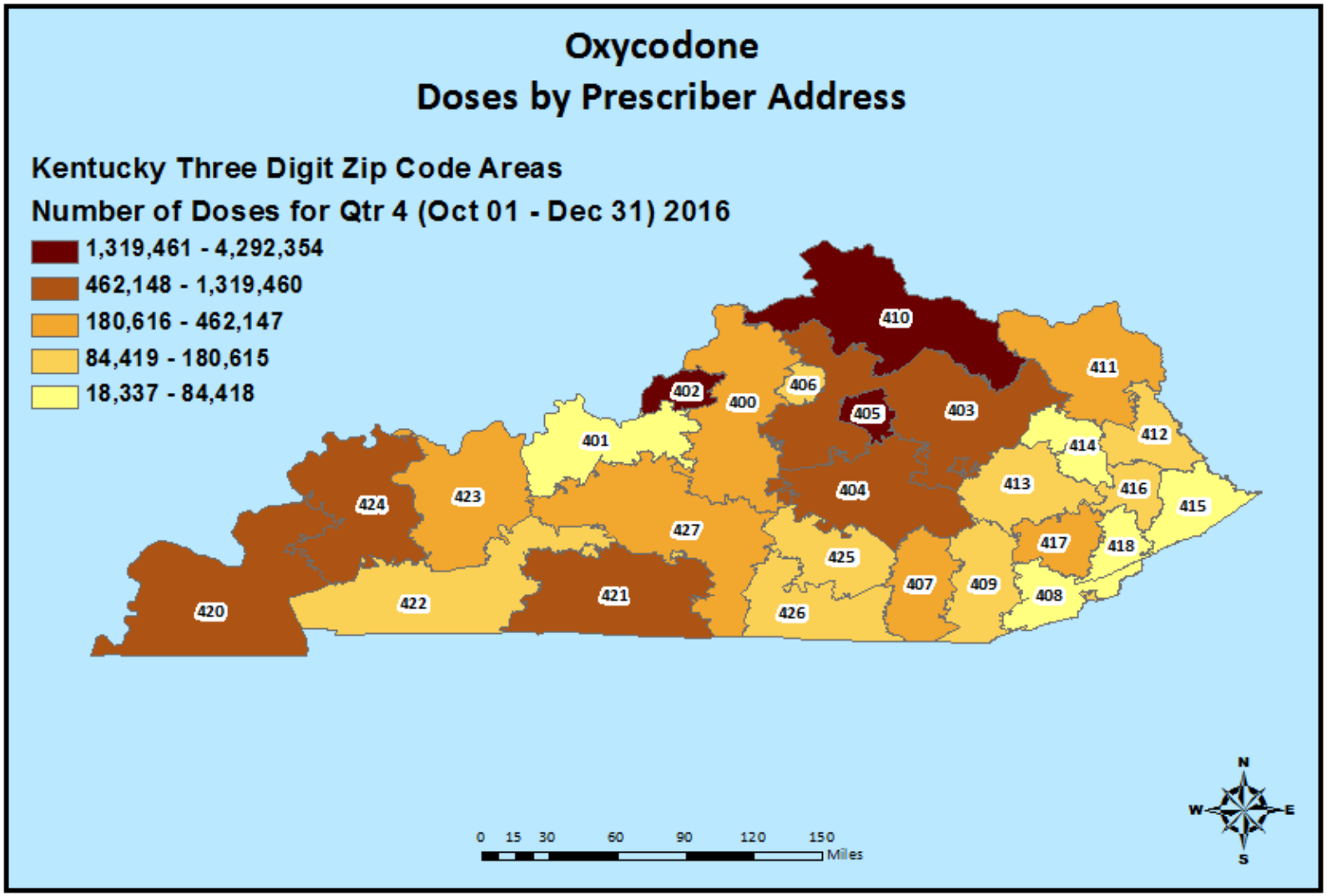
Kentucky UNBRIDLED SPIRIT

Per 1000 Hydrocodone Usage
Q4 2016

Actual Number of Hydrocodone Doses per 1,000 Residents for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	11,432	EDMONSON	11,328	KNOX	12,385	NICHOLAS	7,640
ALLEN	13,047	ELLIOTT	4,972	LARUE	11,326	OHIO	14,634
ANDERSON	10,297	ESTILL	14,903	LAUREL	9,079	OLDHAM	5,352
BALLARD	12,496	FAYETTE	3,976	LAWRENCE	9,362	OWEN	5,447
BARREN	10,744	FLEMING	7,421	LEE	20,837	OWSLEY	26,188
BATH	7,803	FLOYD	21,253	LESLIE	17,080	PENDLETON	4,974
BELL	22,366	FRANKLIN	8,245	LETCHER	15,735	PERRY	20,737
BOONE	3,752	FULTON	14,466	LEWIS	8,236	PIKE	11,392
BOURBON	6,167	GALLATIN	6,719	LINCOLN	10,245	POWELL	16,569
BOYD	3,886	GARRARD	7,284	LIVINGSTON	20,255	PULASKI	8,505
BOYLE	9,822	GRANT	4,624	LOGAN	10,563	ROBERTSON	8,577
BRACKEN	5,806	GRAVES	13,307	LYON	12,063	ROCKCASTLE	13,857
BREATHITT	16,824	GRAYSON	16,561	MADISON	13,761	ROWAN	5,702
BRECKINRIDGE	9,218	GREEN	7,839	MAGOFFIN	10,964	RUSSELL	3,283
BULLITT	8,798	GREENUP	8,617	MARION	14,615	SCOTT	6,117
BUTLER	14,087	HANCOCK	7,941	MARSHALL	6,970	SHELBY	8,373
CALDWELL	11,577	HARDIN	7,904	MARTIN	17,796	SIMPSON	8,923
CALLOWAY	9,727	HARLAN	14,250	MASON	9,876	SPENCER	9,555
CAMPBELL	4,083	HARRISON	7,402	MCCRACKEN	13,625	TAYLOR	10,545
CARLISLE	12,647	HART	9,374	MCCREARY	9,952	TODD	9,016
CARROLL	11,918	HENDERSON	13,221	MCLEAN	4,837	TRIGG	10,073
CARTER	5,816	HENRY	11,112	MEADE	5,640	TRIMBLE	10,284
CASEY	10,048	HICKMAN	8,008	MENIFEE	10,485	UNION	14,970
CHRISTIAN	6,275	HOPKINS	15,121	MERCER	9,124	WARREN	8,059
CLARK	7,554	JACKSON	10,537	METCALFE	15,003	WASHINGTON	6,380
CLAY	24,999	JEFFERSON	8,538	MONROE	13,445	WAYNE	11,090
CLINTON	15,060	JESSAMINE	5,704	MONTGOMERY	7,713	WEBSTER	16,926
CRITTENDEN	19,550	JOHNSON	14,289	MORGAN	9,545	WHITLEY	16,271
CUMBERLAND	16,785	KENTON	2,945	MUHLENBERG	18,278	WOLFE	17,328
DAVIESS	6,508	KNOTT	16,845	NELSON	9,833	WOODFORD	6,289

Kentucky UNBRIDLED SPIRIT

Oxycodone Prescribing
Q4 2016



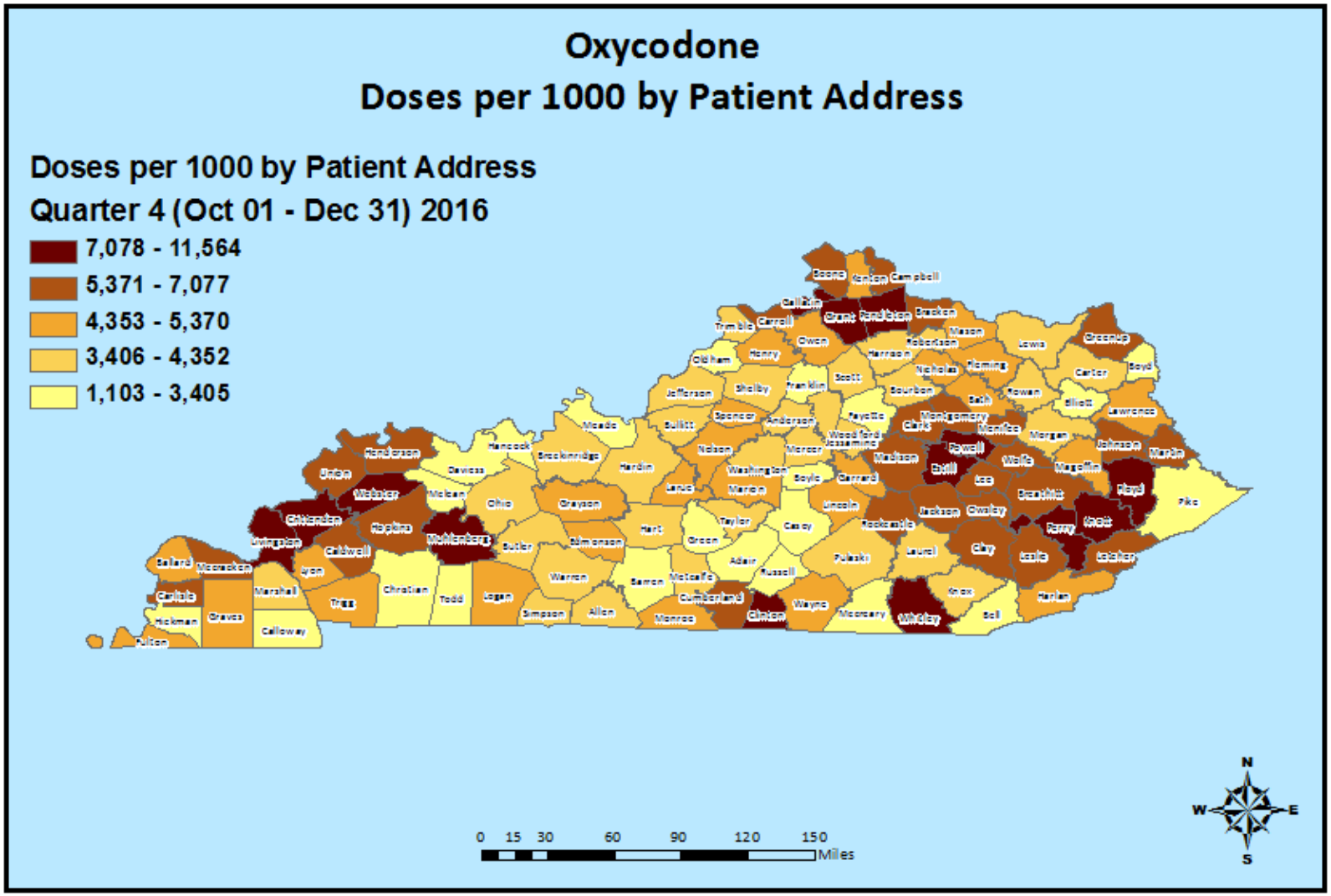
Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Oxycodone Prescribing Q4 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Oxycodone Doses for Quarter 4, 2016
400	462,147
401	74,480
402	4,292,354
403	596,991
404	599,894
405	3,051,166
406	128,364
407	320,149
408	72,934
409	103,459
410	2,462,250
411	403,875
412	145,428
413	172,172
414	18,337
415	22,958
416	180,615
417	398,703
418	84,418
420	1,319,460
421	1,030,143
422	123,339
423	273,711
424	571,787
425	138,244
426	109,912
427	388,204
Totals	17,545,494

Oxycodone Usage
Q4 2016



Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Oxycodone Usage
Q4 2016

Actual Number of Oxycodone Doses for Quarter 4, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	46,887	EDMONSON	53,551	KNOX	131,559	NICHOLAS	36,887
ALLEN	79,338	ELLIOTT	25,235	LARUE	69,191	OHIO	101,832
ANDERSON	82,696	ESTILL	115,775	LAUREL	209,249	OLDHAM	163,609
BALLARD	40,767	FAYETTE	785,986	LAWRENCE	71,638	OWEN	50,804
BARREN	140,551	FLEMING	66,968	LEE	39,837	OWSLEY	30,529
BATH	62,150	FLOYD	282,541	LESLIE	75,963	PENDLETON	108,651
BELL	82,010	FRANKLIN	157,220	LETCHER	133,272	PERRY	263,001
BOONE	685,746	FULTON	31,728	LEWIS	57,620	PIKE	172,822
BOURBON	84,611	GALLATIN	69,155	LINCOLN	116,778	POWELL	114,805
BOYD	130,129	GARRARD	79,858	LIVINGSTON	75,377	PULASKI	246,656
BOYLE	96,019	GRANT	199,310	LOGAN	126,875	ROBERTSON	9,294
BRACKEN	52,618	GRAVES	182,752	LYON	45,379	ROCKCASTLE	100,282
BREATHITT	79,654	GRAYSON	136,066	MADISON	355,366	ROWAN	87,277
BRECKINRIDGE	71,292	GREEN	32,991	MAGOFFIN	78,765	RUSSELL	19,577
BULLITT	334,490	GREENUP	203,522	MARION	94,224	SCOTT	181,345
BUTLER	51,058	HANCOCK	29,578	MARSHALL	217,595	SHELBY	167,085
CALDWELL	72,248	HARDIN	409,007	MARTIN	40,640	SIMPSON	76,418
CALLOWAY	125,031	HARLAN	143,348	MASON	56,536	SPENCER	79,432
CAMPBELL	580,655	HARRISON	76,539	MCCRACKEN	417,058	TAYLOR	103,954
CARLISLE	30,587	HART	73,283	MCCREARY	84,059	TODD	41,065
CARROLL	77,510	HENDERSON	316,810	MCLEAN	45,795	TRIGG	67,466
CARTER	101,207	HENRY	76,107	MEADE	80,830	TRIMBLE	37,343
CASEY	42,100	HICKMAN	15,557	MENIFEE	34,773	UNION	90,226
CHRISTIAN	187,454	HOPKINS	266,585	MERCER	87,662	WARREN	439,605
CLARK	219,207	JACKSON	78,694	METCALFE	40,718	WASHINGTON	41,808
CLAY	139,464	JEFFERSON	2,892,036	MONROE	47,200	WAYNE	96,460
CLINTON	117,332	JESSAMINE	214,290	MONTGOMERY	155,798	WEBSTER	102,119
CRITTENDEN	69,207	JOHNSON	132,007	MORGAN	56,781	WHITLEY	269,798
CUMBERLAND	37,642	KENTON	849,090	MUHLENBERG	241,927	WOLFE	45,344
DAVIESS	251,494	KNOTT	136,125	NELSON	227,898	WOODFORD	87,145
						TOTAL	19,251,870

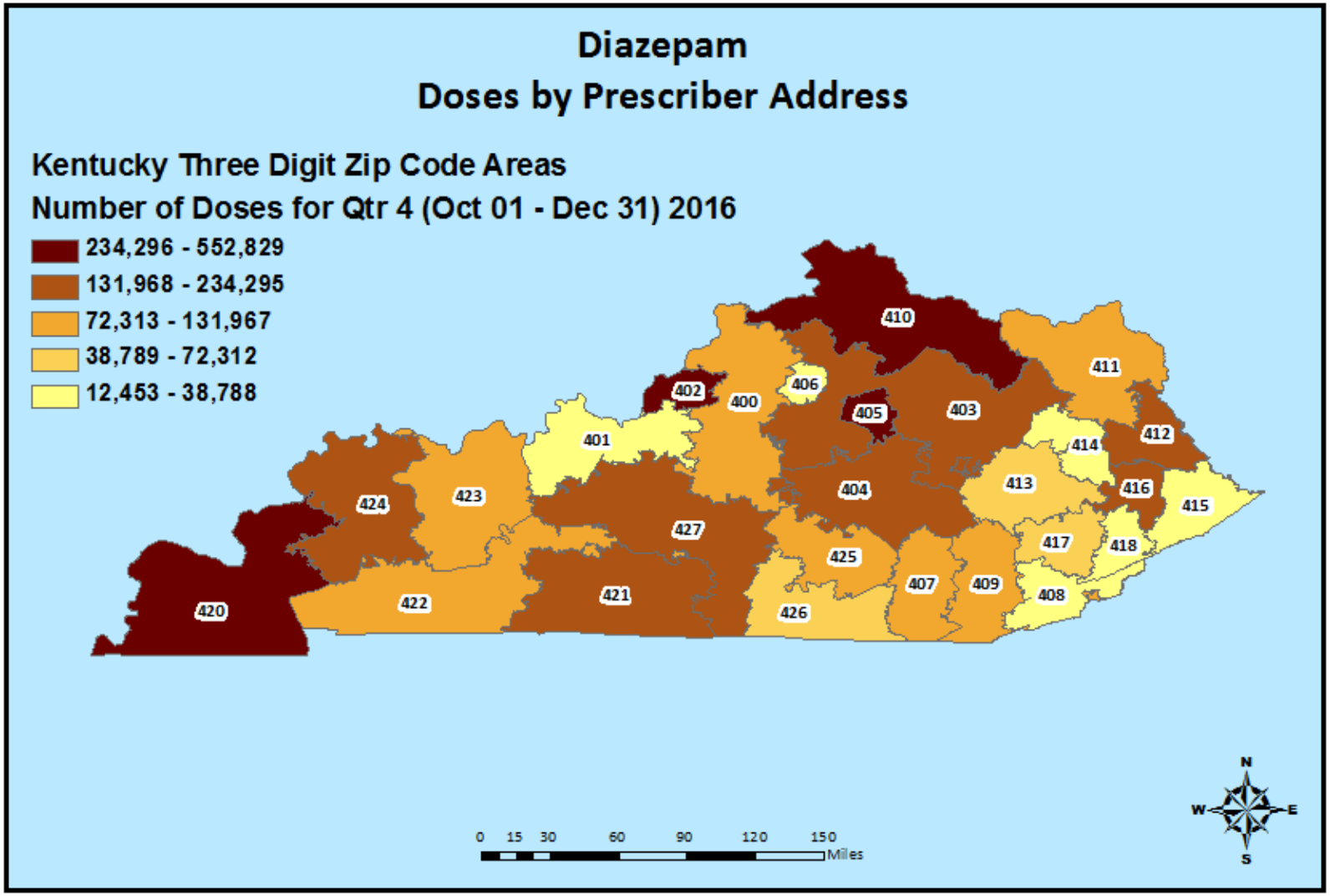
Kentucky UNBRIDLED SPIRIT

Per 1000 Oxycodone Usage
Q4 2016

Actual Number of Oxycodone Doses per 1,000 Residents for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	2,503	EDMONSON	4,440	KNOX	4,138	NICHOLAS	5,240
ALLEN	3,906	ELLIOTT	3,304	LARUE	4,920	OHIO	4,245
ANDERSON	3,791	ESTILL	7,991	LAUREL	3,513	OLDHAM	2,623
BALLARD	4,893	FAYETTE	2,548	LAWRENCE	4,518	OWEN	4,765
BARREN	3,267	FLEMING	4,616	LEE	5,487	OWSLEY	6,560
BATH	5,196	FLOYD	7,296	LESLIE	6,894	PENDLETON	7,457
BELL	2,941	FRANKLIN	3,167	LETCHER	5,643	PERRY	9,390
BOONE	5,511	FULTON	4,969	LEWIS	4,174	PIKE	2,727
BOURBON	4,231	GALLATIN	8,161	LINCOLN	4,792	POWELL	9,189
BOYD	2,662	GARRARD	4,721	LIVINGSTON	8,054	PULASKI	3,860
BOYLE	3,310	GRANT	8,052	LOGAN	4,721	ROBERTSON	4,158
BRACKEN	6,252	GRAVES	4,880	LYON	5,370	ROCKCASTLE	6,007
BREATHITT	5,881	GRAYSON	5,234	MADISON	6,380	ROWAN	3,710
BRECKINRIDGE	3,557	GREEN	2,951	MAGOFFIN	4,673	RUSSELL	1,103
BULLITT	4,352	GREENUP	5,573	MARION	4,823	SCOTT	3,631
BUTLER	3,991	HANCOCK	3,405	MARSHALL	4,152	SHELBY	3,779
CALDWELL	5,634	HARDIN	3,780	MARTIN	6,082	SIMPSON	4,295
CALLOWAY	3,320	HARLAN	5,030	MASON	4,701	SPENCER	4,504
CAMPBELL	6,382	HARRISON	4,133	MCCRACKEN	6,995	TAYLOR	4,217
CARLISLE	6,116	HART	3,946	MCCREARY	3,213	TODD	3,284
CARROLL	7,077	HENDERSON	6,836	MCLEAN	3,272	TRIGG	4,720
CARTER	3,721	HENRY	4,928	MEADE	2,767	TRIMBLE	4,236
CASEY	2,620	HICKMAN	3,279	MENIFEE	5,530	UNION	6,003
CHRISTIAN	2,527	HOPKINS	5,717	MERCER	4,106	WARREN	3,714
CLARK	6,155	JACKSON	5,861	METCALFE	4,079	WASHINGTON	3,521
CLAY	6,528	JEFFERSON	3,821	MONROE	4,419	WAYNE	4,665
CLINTON	11,564	JESSAMINE	4,271	MONTGOMERY	5,717	WEBSTER	7,591
CRITTENDEN	7,478	JOHNSON	5,630	MORGAN	4,244	WHITLEY	7,543
CUMBERLAND	5,545	KENTON	5,205	MUHLENBERG	7,759	WOLFE	6,256
DAVIESS	2,561	KNOTT	8,521	NELSON	5,117	WOODFORD	3,448

Kentucky UNBRIDLED SPIRIT

Diazepam Prescribing
Q4 2016

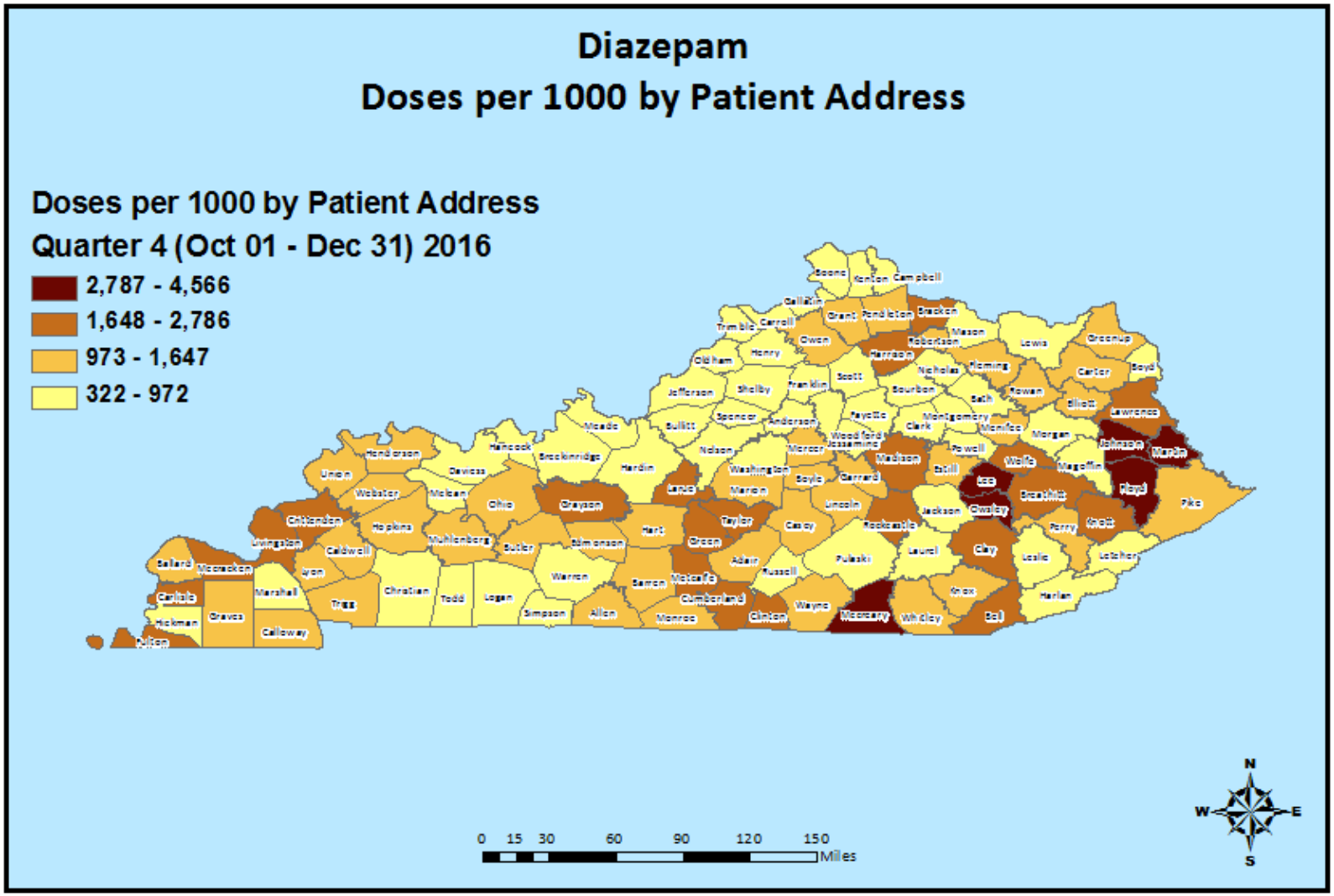


Kentucky UNBRIDLED SPIRIT

Diazepam Prescribing
Q4 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Diazepam Doses for Quarter 4, 2016
400	98,172
401	34,404
402	552,829
403	212,750
404	176,501
405	335,123
406	18,495
407	85,859
408	13,575
409	131,967
410	397,357
411	119,553
412	168,088
413	72,312
414	24,715
415	38,788
416	167,453
417	50,875
418	12,453
420	386,461
421	222,614
422	82,996
423	82,587
424	150,081
425	97,102
426	57,276
427	234,295
Totals	4,024,681

Diazepam Usage
Q4 2016



Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Diazepam Usage
Q4 2016

Actual Number of Diazepam Doses for Quarter 4, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	30,849	EDMONSON	17,079	KNOX	44,795	NICHOLAS	5,764
ALLEN	22,326	ELLIOTT	9,838	LARUE	29,808	OHIO	30,321
ANDERSON	11,824	ESTILL	19,296	LAUREL	44,645	OLDHAM	20,095
BALLARD	11,523	FAYETTE	159,762	LAWRENCE	34,535	OWEN	11,030
BARREN	49,110	FLEMING	15,999	LEE	21,519	OWSLEY	18,787
BATH	10,873	FLOYD	147,401	LESLIE	5,143	PENDLETON	17,152
BELL	77,683	FRANKLIN	32,493	LETCHER	14,676	PERRY	34,933
BOONE	96,734	FULTON	12,505	LEWIS	12,892	PIKE	71,431
BOURBON	13,600	GALLATIN	7,384	LINCOLN	33,928	POWELL	11,235
BOYD	36,091	GARRARD	19,278	LIVINGSTON	20,794	PULASKI	62,112
BOYLE	32,318	GRANT	28,030	LOGAN	20,994	ROBERTSON	2,800
BRACKEN	16,051	GRAVES	57,025	LYON	10,949	ROCKCASTLE	34,666
BREATHITT	27,520	GRAYSON	68,774	MADISON	52,057	ROWAN	30,597
BRECKINRIDGE	16,628	GREEN	21,454	MAGOFFIN	44,355	RUSSELL	10,918
BULLITT	37,692	GREENUP	44,420	MARION	18,279	SCOTT	43,026
BUTLER	13,498	HANCOCK	6,211	MARSHALL	58,896	SHELBY	26,614
CALDWELL	19,385	HARDIN	53,641	MARTIN	38,105	SIMPSON	14,648
CALLOWAY	50,067	HARLAN	20,578	MASON	15,660	SPENCER	12,567
CAMPBELL	78,605	HARRISON	38,479	MCCRACKEN	117,864	TAYLOR	60,139
CARLISLE	9,171	HART	19,450	MCCREARY	14,398	TODD	8,233
CARROLL	10,465	HENDERSON	69,467	MCLEAN	10,924	TRIGG	17,148
CARTER	30,605	HENRY	7,544	MEADE	10,433	TRIMBLE	3,172
CASEY	21,563	HICKMAN	4,022	MENIFEE	6,900	UNION	18,123
CHRISTIAN	45,463	HOPKINS	60,711	MERCER	23,596	WARREN	103,476
CLARK	29,178	JACKSON	12,438	METCALFE	18,908	WASHINGTON	8,135
CLAY	37,447	JEFFERSON	423,778	MONROE	15,442	WAYNE	23,146
CLINTON	26,391	JESSAMINE	32,883	MONTGOMERY	26,494	WEBSTER	18,890
CRITTENDEN	15,631	JOHNSON	107,074	MORGAN	10,765	WHITLEY	56,334
CUMBERLAND	12,710	KENTON	112,673	MUHLENBERG	40,268	WOLFE	14,616
DAVIESS	56,529	KNOTT	26,913	NELSON	36,542	WOODFORD	15,112
						TOTAL	4,263,914

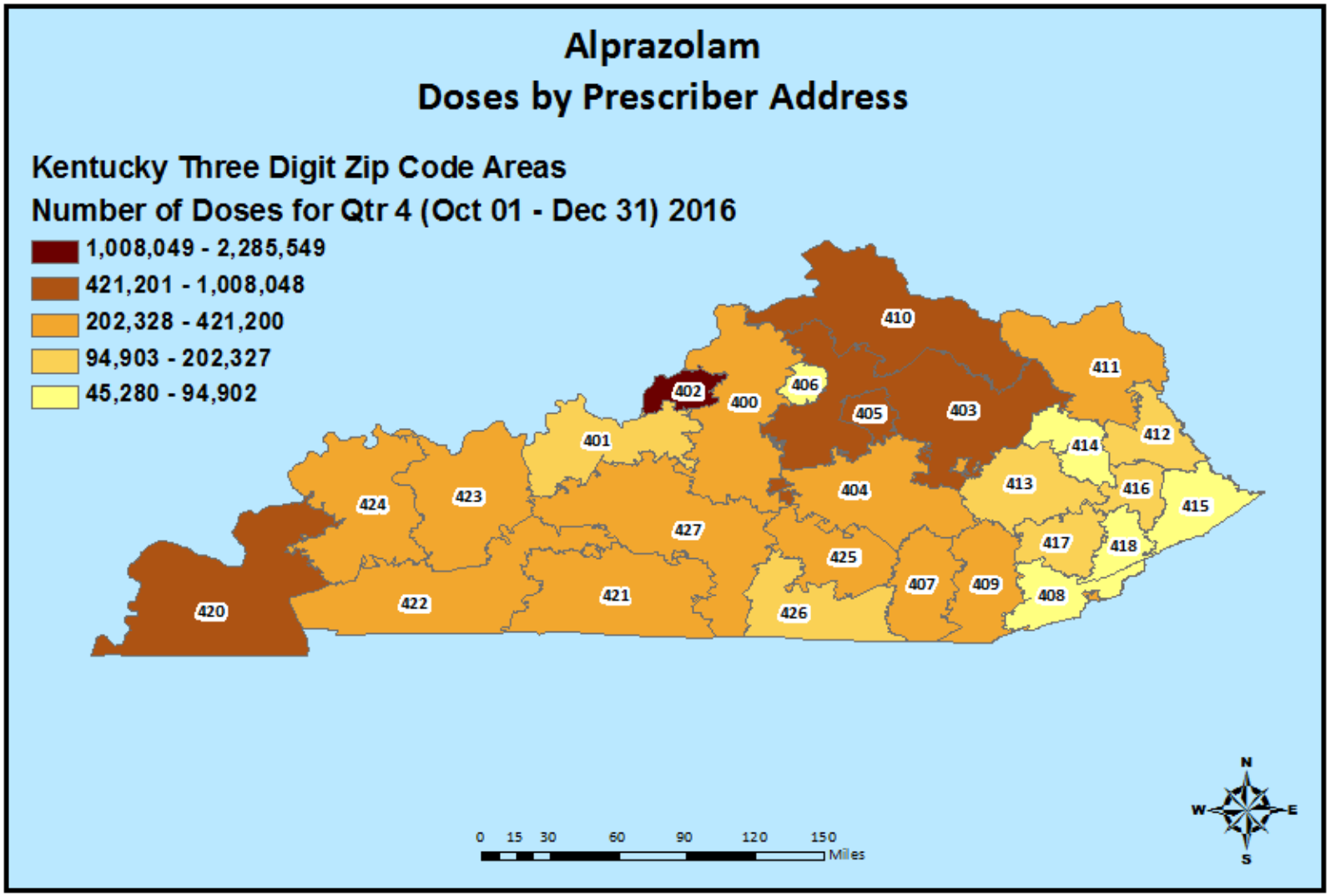
Kentucky UNBRIDLED SPIRIT

Per 1000 Diazepam Usage
Q4 2016

Actual Number of Diazepam Doses per 1,000 Residents for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	1,647	EDMONSON	1,416	KNOX	1,409	NICHOLAS	819
ALLEN	1,099	ELLIOTT	1,288	LARUE	2,119	OHIO	1,264
ANDERSON	542	ESTILL	1,332	LAUREL	750	OLDHAM	322
BALLARD	1,383	FAYETTE	518	LAWRENCE	2,178	OWEN	1,035
BARREN	1,141	FLEMING	1,103	LEE	2,964	OWSLEY	4,037
BATH	909	FLOYD	3,806	LESLIE	467	PENDLETON	1,177
BELL	2,786	FRANKLIN	654	LETCHER	621	PERRY	1,247
BOONE	777	FULTON	1,958	LEWIS	934	PIKE	1,127
BOURBON	680	GALLATIN	871	LINCOLN	1,392	POWELL	899
BOYD	738	GARRARD	1,140	LIVINGSTON	2,222	PULASKI	972
BOYLE	1,114	GRANT	1,132	LOGAN	781	ROBERTSON	1,253
BRACKEN	1,907	GRAVES	1,523	LYON	1,296	ROCKCASTLE	2,077
BREATHITT	2,032	GRAYSON	2,645	MADISON	1,803	ROWAN	1,301
BRECKINRIDGE	830	GREEN	1,919	MAGOFFIN	800	RUSSELL	615
BULLITT	490	GREENUP	1,216	MARION	1,150	SCOTT	861
BUTLER	1,055	HANCOCK	715	MARSHALL	608	SHELBY	602
CALDWELL	1,512	HARDIN	496	MARTIN	3,425	SIMPSON	823
CALLOWAY	1,330	HARLAN	722	MASON	912	SPENCER	713
CAMPBELL	864	HARRISON	2,078	MCCRACKEN	1,893	TAYLOR	2,440
CARLISLE	1,834	HART	1,047	MCCREARY	3,013	TODD	658
CARROLL	955	HENDERSON	1,499	MCLEAN	906	TRIGG	1,200
CARTER	1,125	HENRY	488	MEADE	357	TRIMBLE	360
CASEY	1,342	HICKMAN	848	MENIFEE	1,097	UNION	1,206
CHRISTIAN	613	HOPKINS	1,302	MERCER	1,105	WARREN	874
CLARK	819	JACKSON	926	METCALFE	1,894	WASHINGTON	685
CLAY	1,753	JEFFERSON	560	MONROE	1,446	WAYNE	1,119
CLINTON	2,601	JESSAMINE	655	MONTGOMERY	972	WEBSTER	1,404
CRITTENDEN	1,689	JOHNSON	4,566	MORGAN	805	WHITLEY	1,575
CUMBERLAND	1,872	KENTON	691	MUHLENBERG	1,292	WOLFE	2,017
DAVIESS	576	KNOTT	1,685	NELSON	820	WOODFORD	598

Kentucky UNBRIDLED SPIRIT

Alprazolam Prescribing
Q4 2016



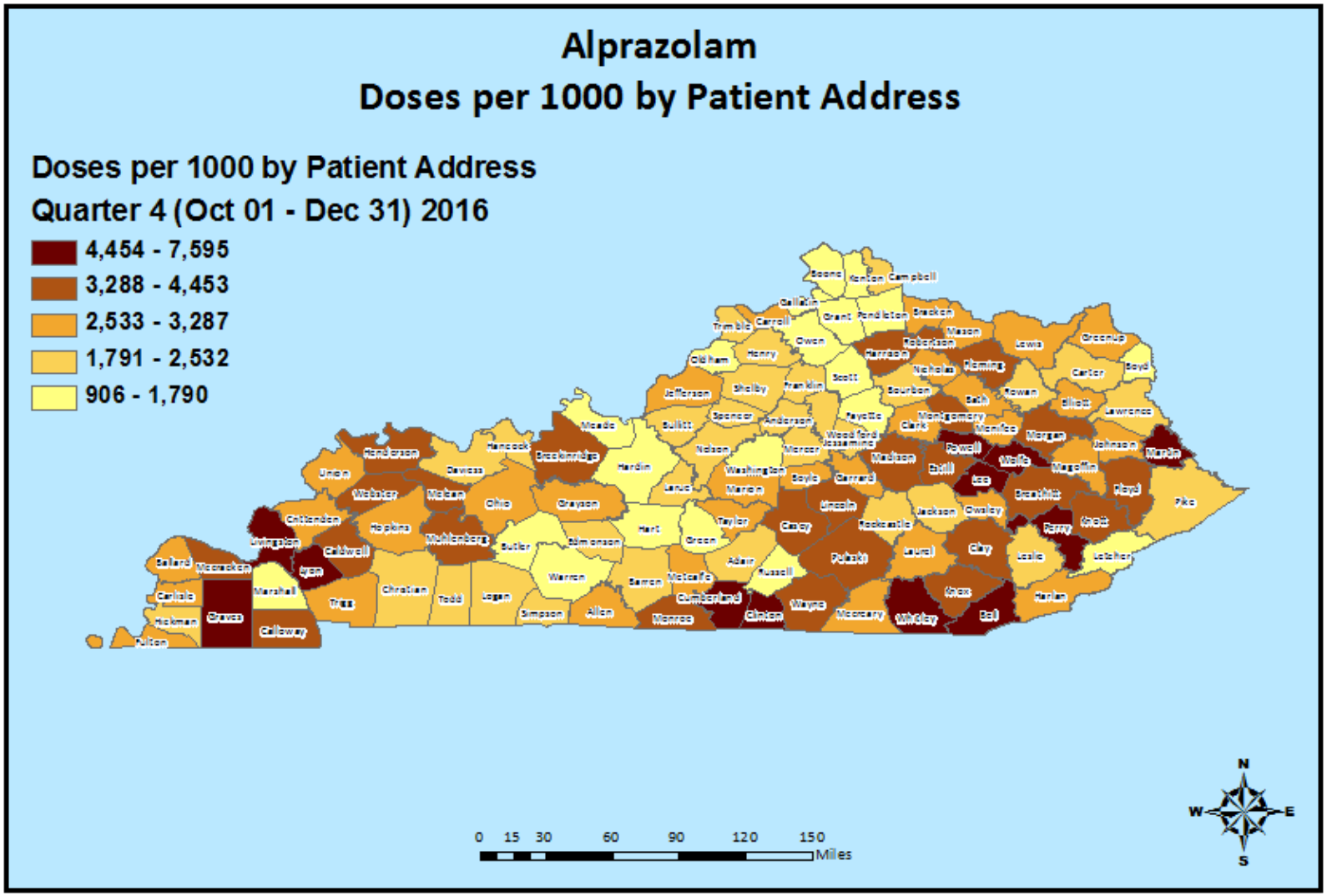
Cabinet for Health and Family Services

Kentucky UNBRIDLED SPIRIT

Alprazolam Prescribing
Q4 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Alprazolam Doses for Quarter 4, 2016
400	388,146
401	151,433
402	2,285,549
403	627,493
404	357,301
405	1,008,048
406	74,659
407	326,513
408	51,285
409	320,220
410	845,001
411	269,844
412	111,747
413	122,774
414	58,534
415	94,902
416	162,066
417	202,327
418	45,280
420	955,045
421	421,200
422	241,612
423	257,915
424	353,539
425	398,722
426	118,638
427	341,505
Totals	10,591,298

Alprazolam Usage
Q4 2016



Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Alprazolam Usage
Q4 2016

Actual Number of Alprazolam Doses for Quarter 4, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	46,577	EDMONSON	23,425	KNOX	112,801	NICHOLAS	22,317
ALLEN	54,490	ELLIOTT	23,043	LARUE	31,507	OHIO	69,381
ANDERSON	50,339	ESTILL	50,338	LAUREL	153,777	OLDHAM	108,460
BALLARD	23,470	FAYETTE	551,955	LAWRENCE	30,866	OWEN	16,447
BARREN	89,536	FLEMING	64,333	LEE	34,502	OWSLEY	14,495
BATH	35,803	FLOYD	136,756	LESLIE	27,904	PENDLETON	21,640
BELL	211,790	FRANKLIN	111,067	LETCHER	37,869	PERRY	149,302
BOONE	188,562	FULTON	18,123	LEWIS	37,040	PIKE	124,006
BOURBON	49,087	GALLATIN	13,044	LINCOLN	85,448	POWELL	86,805
BOYD	77,458	GARRARD	45,921	LIVINGSTON	46,914	PULASKI	284,582
BOYLE	79,488	GRANT	29,366	LOGAN	56,531	ROBERTSON	7,711
BRACKEN	27,643	GRAVES	183,409	LYON	43,682	ROCKCASTLE	36,935
BREATHITT	58,854	GRAYSON	74,270	MADISON	135,586	ROWAN	52,793
BRECKINRIDGE	72,817	GREEN	16,895	MAGOFFIN	64,646	RUSSELL	16,081
BULLITT	193,949	GREENUP	118,556	MARION	56,222	SCOTT	88,537
BUTLER	21,920	HANCOCK	20,228	MARSHALL	136,363	SHELBY	91,468
CALDWELL	47,664	HARDIN	141,210	MARTIN	37,040	SIMPSON	38,892
CALLOWAY	152,911	HARLAN	84,134	MASON	60,856	SPENCER	39,437
CAMPBELL	169,980	HARRISON	66,649	MCCRACKEN	260,944	TAYLOR	77,135
CARLISLE	15,691	HART	29,669	MCCREARY	47,263	TODD	31,438
CARROLL	32,837	HENDERSON	169,923	MCLEAN	28,700	TRIGG	44,843
CARTER	68,083	HENRY	34,521	MEADE	43,475	TRIMBLE	19,210
CASEY	61,763	HICKMAN	9,409	MENIFEE	19,846	UNION	49,313
CHRISTIAN	141,638	HOPKINS	119,901	MERCER	45,134	WARREN	162,157
CLARK	92,308	JACKSON	25,797	METCALFE	27,058	WASHINGTON	20,428
CLAY	89,543	JEFFERSON	2,006,546	MONROE	40,111	WAYNE	76,100
CLINTON	58,681	JESSAMINE	94,913	MONTGOMERY	102,065	WEBSTER	47,463
CRITTENDEN	30,421	JOHNSON	69,794	MORGAN	47,998	WHITLEY	171,454
CUMBERLAND	34,555	KENTON	215,911	MUHLENBERG	133,741	WOLFE	34,121
DAVIESS	203,469	KNOTT	67,636	NELSON	109,660	WOODFORD	52,941
						TOTAL	11,249,510

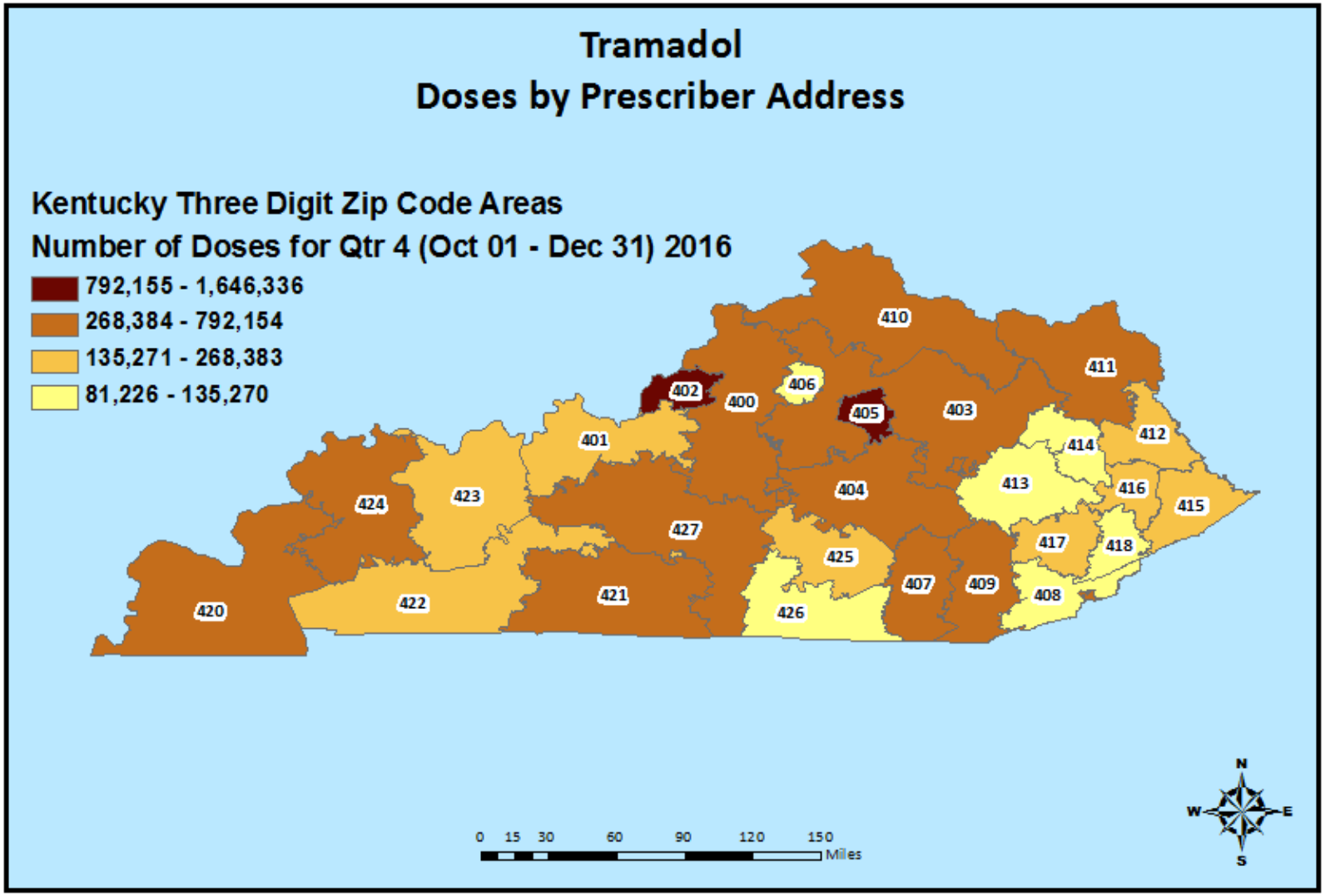
Kentucky UNBRIDLED SPIRIT

Per 1000 Alprazolam Usage
Q4 2016

Actual Number of Alprazolam Doses per 1,000 Residents for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	2,486	EDMONSON	1,942	KNOX	3,548	NICHOLAS	3,170
ALLEN	2,683	ELLIOTT	3,017	LARUE	2,240	OHIO	2,892
ANDERSON	2,308	ESTILL	3,474	LAUREL	2,582	OLDHAM	1,739
BALLARD	2,817	FAYETTE	1,790	LAWRENCE	1,947	OWEN	1,543
BARREN	2,081	FLEMING	4,434	LEE	4,752	OWSLEY	3,115
BATH	2,993	FLOYD	3,531	LESLIE	2,532	PENDLETON	1,485
BELL	7,595	FRANKLIN	2,237	LETCHER	1,603	PERRY	5,330
BOONE	1,515	FULTON	2,838	LEWIS	2,683	PIKE	1,957
BOURBON	2,455	GALLATIN	1,539	LINCOLN	3,506	POWELL	6,948
BOYD	1,584	GARRARD	2,715	LIVINGSTON	5,013	PULASKI	4,453
BOYLE	2,740	GRANT	1,186	LOGAN	2,103	ROBERTSON	3,450
BRACKEN	3,285	GRAVES	4,897	LYON	5,169	ROCKCASTLE	2,213
BREATHITT	4,345	GRAYSON	2,857	MADISON	3,992	ROWAN	2,244
BRECKINRIDGE	3,634	GREEN	1,511	MAGOFFIN	2,627	RUSSELL	906
BULLITT	2,524	GREENUP	3,246	MARION	3,022	SCOTT	1,773
BUTLER	1,713	HANCOCK	2,329	MARSHALL	1,584	SHELBY	2,069
CALDWELL	3,717	HARDIN	1,305	MARTIN	4,992	SIMPSON	2,186
CALLOWAY	4,061	HARLAN	2,952	MASON	2,805	SPENCER	2,236
CAMPBELL	1,868	HARRISON	3,599	MCCRACKEN	4,384	TAYLOR	3,129
CARLISLE	3,138	HART	1,597	MCCREARY	2,929	TODD	2,514
CARROLL	2,998	HENDERSON	3,666	MCLEAN	3,522	TRIGG	3,137
CARTER	2,503	HENRY	2,235	MEADE	1,488	TRIMBLE	2,179
CASEY	3,844	HICKMAN	1,983	MENIFEE	3,156	UNION	3,281
CHRISTIAN	1,910	HOPKINS	2,571	MERCER	2,114	WARREN	1,370
CLARK	2,592	JACKSON	1,921	METCALFE	2,710	WASHINGTON	1,720
CLAY	4,191	JEFFERSON	2,651	MONROE	3,755	WAYNE	3,680
CLINTON	5,784	JESSAMINE	1,892	MONTGOMERY	3,745	WEBSTER	3,528
CRITTENDEN	3,287	JOHNSON	2,976	MORGAN	3,587	WHITLEY	4,794
CUMBERLAND	5,090	KENTON	1,323	MUHLENBERG	4,289	WOLFE	4,708
DAVIESS	2,072	KNOTT	4,234	NELSON	2,462	WOODFORD	2,095

Kentucky UNBRIDLED SPIRIT

Tramadol Prescribing
Q4 2016



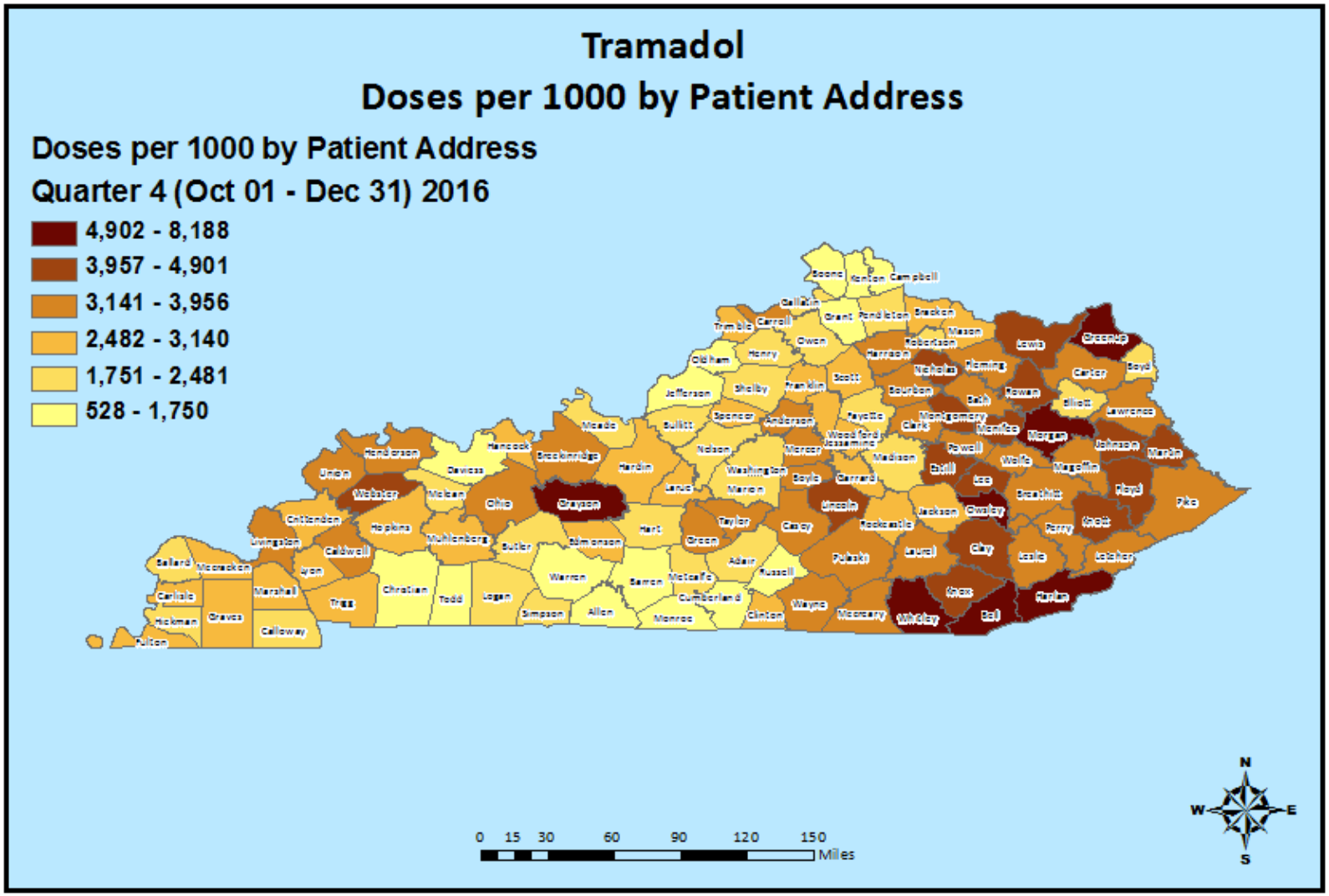
Cabinet for Health and Family Services

Kentucky UNBRIDLED SPIRIT

Tramadol Prescribing
Q4 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Tramadol Doses for Quarter 4, 2016
400	364,134
401	215,077
402	1,646,336
403	754,863
404	499,694
405	1,402,910
406	96,143
407	374,266
408	122,580
409	430,312
410	792,154
411	417,553
412	178,599
413	115,053
414	81,226
415	185,288
416	193,666
417	193,011
418	94,937
420	600,409
421	412,565
422	169,093
423	188,776
424	359,108
425	268,383
426	135,270
427	518,064
Totals	10,809,470

Tramadol Usage
Q4 2016



Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Tramadol Usage
Q4 2016

Actual Number of Tramadol Doses for Quarter 4, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	42,211	EDMONSON	35,039	KNOX	142,844	NICHOLAS	32,553
ALLEN	34,817	ELLIOTT	14,832	LARUE	44,121	OHIO	85,293
ANDERSON	73,288	ESTILL	68,728	LAUREL	212,152	OLDHAM	91,409
BALLARD	16,211	FAYETTE	641,819	LAWRENCE	56,278	OWEN	23,030
BARREN	75,280	FLEMING	55,378	LEE	32,901	OWSLEY	29,438
BATH	45,661	FLOYD	186,762	LESLIE	37,421	PENDLETON	27,930
BELL	228,328	FRANKLIN	133,695	LETCHER	87,347	PERRY	106,946
BOONE	216,622	FULTON	18,245	LEWIS	55,944	PIKE	215,808
BOURBON	64,150	GALLATIN	17,464	LINCOLN	101,904	POWELL	45,305
BOYD	107,590	GARRARD	51,755	LIVINGSTON	33,218	PULASKI	221,393
BOYLE	93,573	GRANT	37,882	LOGAN	54,458	ROBERTSON	4,849
BRACKEN	23,793	GRAVES	102,808	LYON	26,522	ROCKCASTLE	51,640
BREATHITT	45,758	GRAYSON	140,559	MADISON	268,737	ROWAN	101,195
BRECKINRIDGE	64,323	GREEN	41,818	MAGOFFIN	56,884	RUSSELL	9,381
BULLITT	155,725	GREENUP	209,821	MARION	56,964	SCOTT	138,795
BUTLER	28,144	HANCOCK	22,337	MARSHALL	84,555	SHELBY	100,943
CALDWELL	42,228	HARDIN	274,991	MARTIN	49,385	SIMPSON	37,905
CALLOWAY	88,577	HARLAN	161,965	MASON	42,124	SPENCER	50,415
CAMPBELL	134,092	HARRISON	59,215	MCCRACKEN	161,257	TAYLOR	97,506
CARLISLE	13,975	HART	37,842	MCCREARY	64,361	TODD	18,369
CARROLL	36,262	HENDERSON	163,827	MCLEAN	22,149	TRIGG	40,588
CARTER	97,653	HENRY	38,319	MEADE	60,053	TRIMBLE	24,735
CASEY	54,143	HICKMAN	10,662	MENIFEE	25,294	UNION	49,232
CHRISTIAN	86,526	HOPKINS	138,058	MERCER	78,275	WARREN	198,432
CLARK	115,148	JACKSON	36,550	METCALFE	22,202	WASHINGTON	27,466
CLAY	104,697	JEFFERSON	1,261,425	MONROE	17,488	WAYNE	79,533
CLINTON	27,773	JESSAMINE	143,907	MONTGOMERY	120,691	WEBSTER	58,772
CRITTENDEN	28,348	JOHNSON	101,562	MORGAN	78,245	WHITLEY	202,320
CUMBERLAND	11,135	KENTON	226,189	MUHLENBERG	86,677	WOLFE	23,841
DAVIESS	154,000	KNOTT	77,639	NELSON	108,383	WOODFORD	78,242
						TOTAL	11,383,222

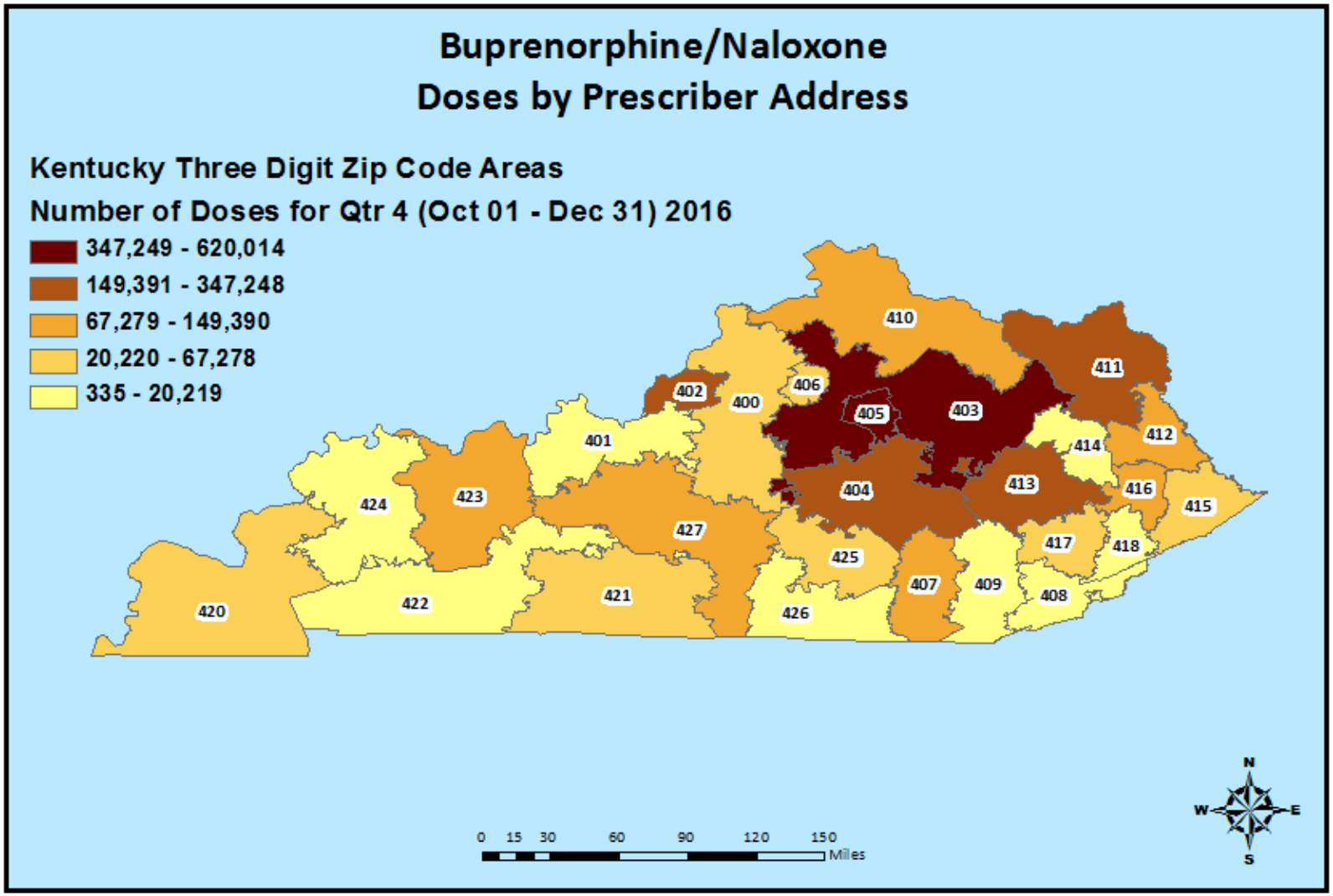
Kentucky UNBRIDLED SPIRIT

Per 1000 Tramadol Usage
Q4 2016

Actual Number of Tramadol Doses per 1,000 Residents for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	2,253	EDMONSON	2,905	KNOX	4,493	NICHOLAS	4,625
ALLEN	1,714	ELLIOTT	1,942	LARUE	3,137	OHIO	3,556
ANDERSON	3,360	ESTILL	4,744	LAUREL	3,562	OLDHAM	1,466
BALLARD	1,946	FAYETTE	2,081	LAWRENCE	3,549	OWEN	2,160
BARREN	1,750	FLEMING	3,817	LEE	4,532	OWSLEY	6,325
BATH	3,817	FLOYD	4,822	LESLIE	3,396	PENDLETON	1,917
BELL	8,188	FRANKLIN	2,693	LETCHER	3,698	PERRY	3,818
BOONE	1,741	FULTON	2,857	LEWIS	4,052	PIKE	3,405
BOURBON	3,208	GALLATIN	2,061	LINCOLN	4,182	POWELL	3,626
BOYD	2,201	GARRARD	3,060	LIVINGSTON	3,549	PULASKI	3,464
BOYLE	3,225	GRANT	1,530	LOGAN	2,026	ROBERTSON	2,170
BRACKEN	2,827	GRAVES	2,745	LYON	3,138	ROCKCASTLE	3,094
BREATHITT	3,378	GRAYSON	5,407	MADISON	2,467	ROWAN	4,301
BRECKINRIDGE	3,210	GREEN	3,740	MAGOFFIN	3,578	RUSSELL	528
BULLITT	2,026	GREENUP	5,746	MARION	2,332	SCOTT	2,779
BUTLER	2,200	HANCOCK	2,571	MARSHALL	3,140	SHELBY	2,283
CALDWELL	3,293	HARDIN	2,542	MARTIN	4,393	SIMPSON	2,130
CALLOWAY	2,352	HARLAN	5,683	MASON	2,842	SPENCER	2,858
CAMPBELL	1,474	HARRISON	3,198	MCCRACKEN	2,718	TAYLOR	3,956
CARLISLE	2,794	HART	2,037	MCCREARY	3,905	TODD	1,469
CARROLL	3,311	HENDERSON	3,535	MCLEAN	2,438	TRIGG	2,840
CARTER	3,590	HENRY	2,481	MEADE	2,056	TRIMBLE	2,806
CASEY	3,370	HICKMAN	2,247	MENIFEE	4,023	UNION	3,276
CHRISTIAN	1,167	HOPKINS	2,960	MERCER	3,666	WARREN	1,676
CLARK	3,233	JACKSON	2,722	METCALFE	2,224	WASHINGTON	2,313
CLAY	4,901	JEFFERSON	1,667	MONROE	1,637	WAYNE	3,846
CLINTON	2,737	JESSAMINE	2,868	MONTGOMERY	4,429	WEBSTER	4,369
CRITTENDEN	3,063	JOHNSON	4,331	MORGAN	5,848	WHITLEY	5,657
CUMBERLAND	1,640	KENTON	1,386	MUHLENBERG	2,780	WOLFE	3,289
DAVIESS	1,568	KNOTT	4,860	NELSON	2,433	WOODFORD	3,096

Kentucky UNBRIDLED SPIRIT

Buprenorphine/Naloxone Prescribing Q4 2016



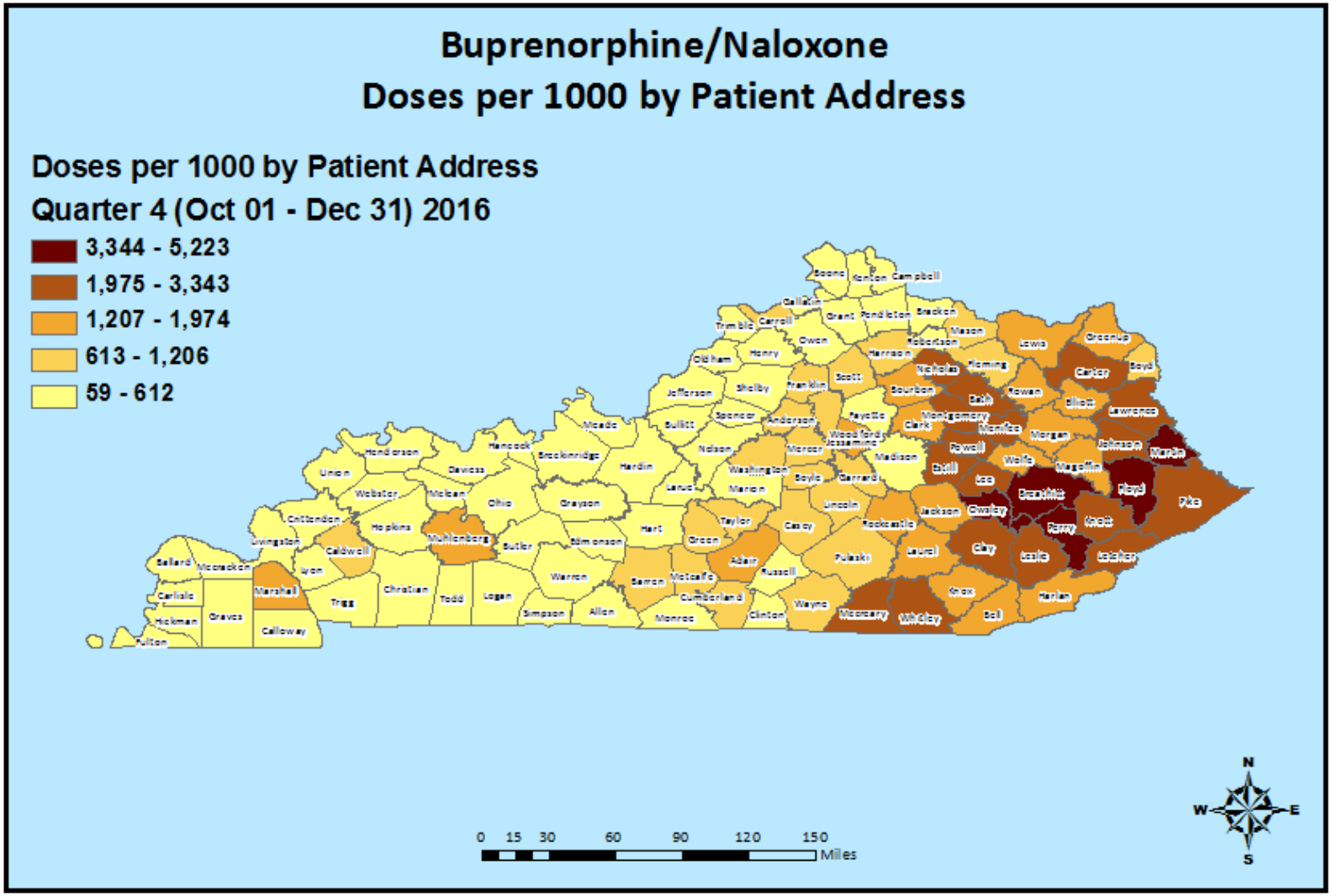
Cabinet for Health and Family Services

Kentucky UNBRIDLED SPIRIT

Buprenorphine/Naloxone Prescribing Q4 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Buprenorphine/Naloxone Doses for Quarter 4, 2016
400	39,783
401	1,385
402	347,248
403	402,258
404	248,822
405	620,014
406	36,047
407	96,962
408	5,857
409	20,219
410	87,503
411	202,959
412	76,851
413	246,224
414	10,698
415	45,227
416	149,390
417	42,625
418	1,141
420	67,278
421	49,843
422	12,097
423	94,542
424	3,954
425	36,770
426	335
427	124,235
Totals	3,070,267

Buprenorphine/Naloxone Usage
Q4 2016



Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Buprenorphine/Naloxone Usage Q4 2016

Actual Number of Buprenorphine/Naloxone Doses for Quarter 4, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	25,139	EDMONSON	2,922	KNOX	48,969	NICHOLAS	17,635
ALLEN	8,082	ELLIOTT	13,274	LARUE	3,468	OHIO	8,863
ANDERSON	21,197	ESTILL	45,977	LAUREL	95,582	OLDHAM	15,522
BALLARD	2,981	FAYETTE	175,066	LAWRENCE	41,542	OWEN	6,108
BARREN	28,467	FLEMING	11,740	LEE	24,269	OWSLEY	22,850
BATH	30,968	FLOYD	143,378	LESLIE	28,596	PENDLETON	8,125
BELL	54,567	FRANKLIN	48,094	LETCHER	56,596	PERRY	109,366
BOONE	37,170	FULTON	2,013	LEWIS	17,601	PIKE	147,398
BOURBON	39,480	GALLATIN	4,901	LINCOLN	26,856	POWELL	39,276
BOYD	58,061	GARRARD	18,629	LIVINGSTON	3,673	PULASKI	77,046
BOYLE	25,195	GRANT	12,481	LOGAN	7,509	ROBERTSON	533
BRACKEN	3,935	GRAVES	13,174	LYON	3,570	ROCKCASTLE	24,859
BREATHITT	49,633	GRAYSON	5,233	MADISON	110,323	ROWAN	34,548
BRECKINRIDGE	2,857	GREEN	7,257	MAGOFFIN	67,636	RUSSELL	8,062
BULLITT	29,004	GREENUP	62,884	MARION	18,678	SCOTT	52,592
BUTLER	2,605	HANCOCK	1,365	MARSHALL	18,682	SHELBY	15,284
CALDWELL	8,625	HARDIN	15,960	MARTIN	36,444	SIMPSON	5,119
CALLOWAY	7,195	HARLAN	53,284	MASON	5,306	SPENCER	9,131
CAMPBELL	31,805	HARRISON	19,220	MCCRACKEN	33,927	TAYLOR	25,528
CARLISLE	1,658	HART	7,239	MCCREARY	32,278	TODD	1,355
CARROLL	9,618	HENDERSON	5,175	MCLEAN	2,628	TRIGG	3,502
CARTER	59,309	HENRY	8,427	MEADE	5,507	TRIMBLE	4,820
CASEY	18,181	HICKMAN	555	MENIFEE	14,086	UNION	887
CHRISTIAN	13,923	HOPKINS	27,672	MERCER	23,172	WARREN	29,847
CLARK	67,213	JACKSON	21,464	METCALFE	7,617	WASHINGTON	7,743
CLAY	53,443	JEFFERSON	229,762	MONROE	6,533	WAYNE	24,201
CLINTON	6,191	JESSAMINE	67,168	MONTGOMERY	65,537	WEBSTER	4,316
CRITTENDEN	4,765	JOHNSON	65,278	MORGAN	22,181	WHITLEY	103,251
CUMBERLAND	7,804	KENTON	51,845	MUHLENBERG	40,111	WOLFE	11,716
DAVIESS	11,819	KNOTT	46,922	NELSON	20,015	WOODFORD	17,031
						TOTAL	3,634,655

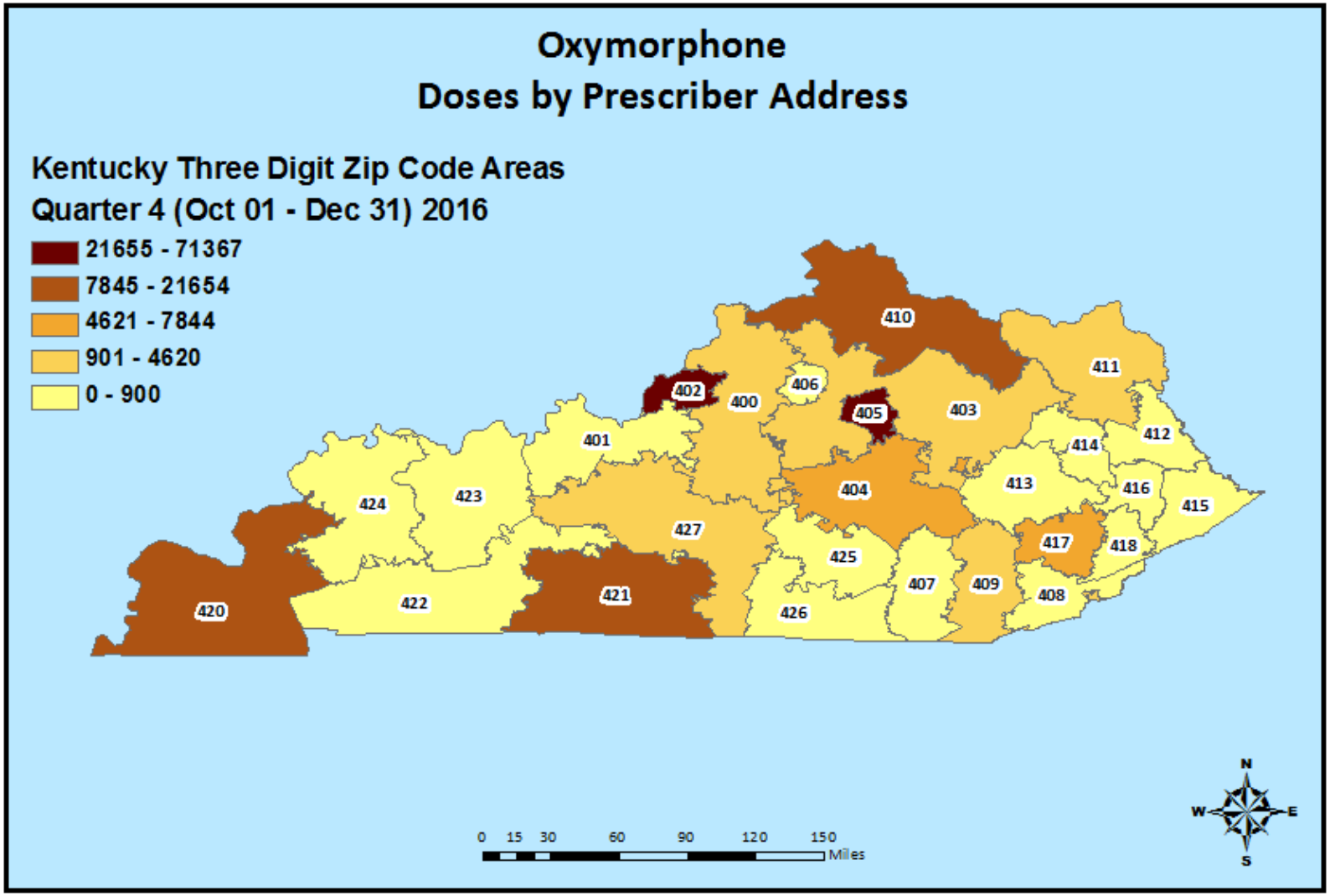
Kentucky UNBRIDLED SPIRIT

Per 1000 Buprenorphine/Naloxone Usage Q4 2016

Actual Number of Buprenorphine/Naloxone Doses per 1,000 Residents for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	1,342	EDMONSON	242	KNOX	1,540	NICHOLAS	2,505
ALLEN	398	ELLIOTT	1,738	LARUE	247	OHIO	369
ANDERSON	972	ESTILL	3,173	LAUREL	1,605	OLDHAM	249
BALLARD	358	FAYETTE	568	LAWRENCE	2,620	OWEN	573
BARREN	662	FLEMING	809	LEE	3,343	OWSLEY	4,910
BATH	2,589	FLOYD	3,702	LESLIE	2,595	PENDLETON	558
BELL	1,957	FRANKLIN	969	LETCHER	2,396	PERRY	3,905
BOONE	299	FULTON	315	LEWIS	1,275	PIKE	2,326
BOURBON	1,974	GALLATIN	578	LINCOLN	1,102	POWELL	3,144
BOYD	1,188	GARRARD	1,101	LIVINGSTON	392	PULASKI	1,206
BOYLE	868	GRANT	504	LOGAN	279	ROBERTSON	238
BRACKEN	468	GRAVES	352	LYON	422	ROCKCASTLE	1,489
BREATHITT	3,664	GRAYSON	201	MADISON	519	ROWAN	1,468
BRECKINRIDGE	143	GREEN	649	MAGOFFIN	1,794	RUSSELL	454
BULLITT	377	GREENUP	1,722	MARION	277	SCOTT	1,053
BUTLER	204	HANCOCK	157	MARSHALL	1,289	SHELBY	346
CALDWELL	673	HARDIN	148	MARTIN	5,223	SIMPSON	288
CALLOWAY	191	HARLAN	1,870	MASON	932	SPENCER	518
CAMPBELL	350	HARRISON	1,038	MCCRACKEN	601	TAYLOR	1,036
CARLISLE	332	HART	390	MCCREARY	2,882	TODD	108
CARROLL	878	HENDERSON	112	MCLEAN	307	TRIGG	245
CARTER	2,180	HENRY	546	MEADE	189	TRIMBLE	547
CASEY	1,132	HICKMAN	117	MENIFEE	2,240	UNION	59
CHRISTIAN	188	HOPKINS	593	MERCER	1,085	WARREN	252
CLARK	1,887	JACKSON	1,599	METCALFE	763	WASHINGTON	652
CLAY	2,502	JEFFERSON	304	MONROE	612	WAYNE	1,170
CLINTON	610	JESSAMINE	1,339	MONTGOMERY	2,405	WEBSTER	321
CRITTENDEN	515	JOHNSON	2,784	MORGAN	1,658	WHITLEY	2,887
CUMBERLAND	1,150	KENTON	318	MUHLENBERG	1,286	WOLFE	1,616
DAVIESS	120	KNOTT	2,937	NELSON	449	WOODFORD	674

Kentucky UNBRIDLED SPIRIT

Oxymorphone Prescribing Q4 2016

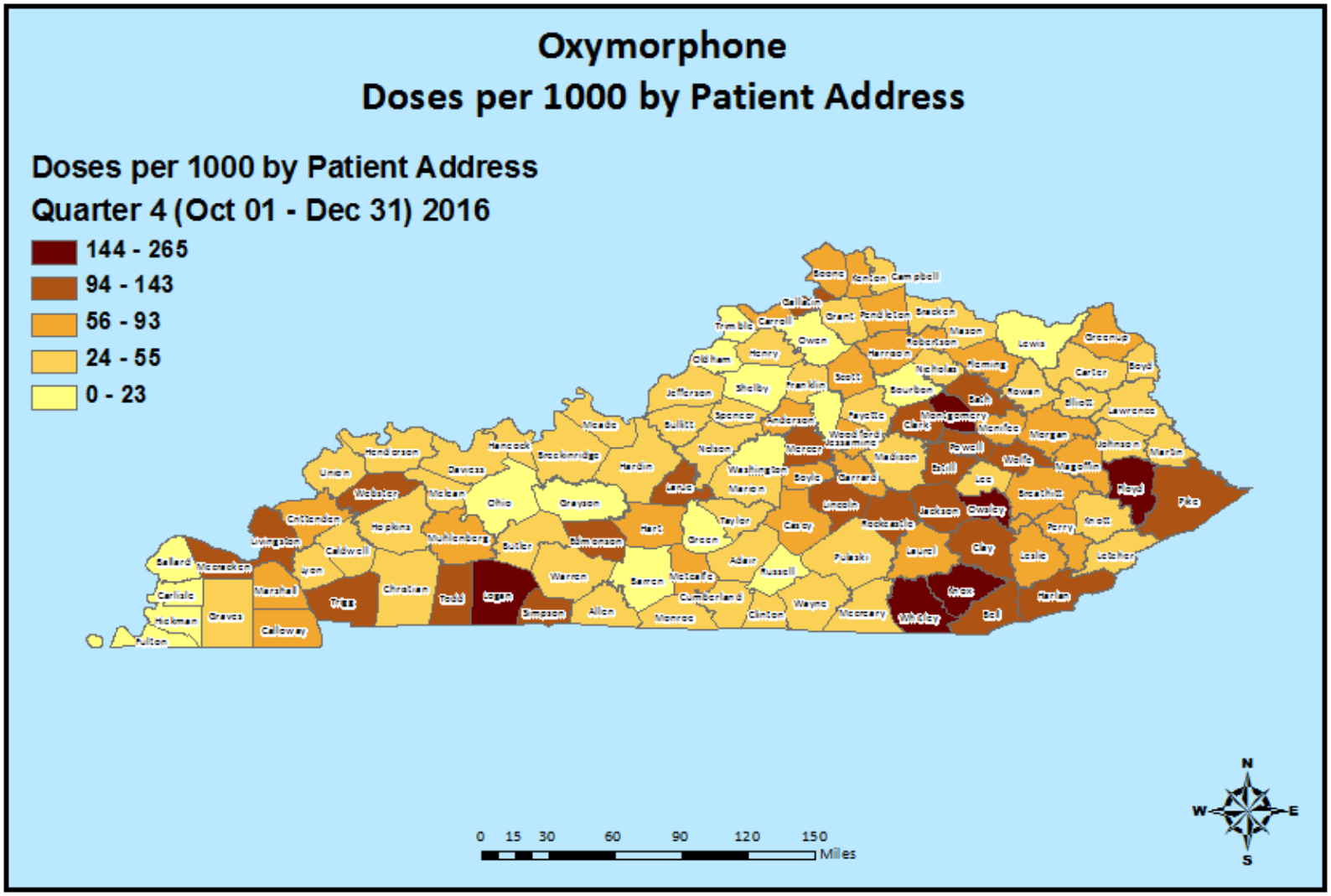


Oxymorphone Prescribing Q4 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Oxymorphone Doses for Quarter 4, 2016
400	2,340
401	240
402	42,743
403	2,676
404	6,637
405	71,367
406	780
407	760
408	540
409	2,100
410	21,654
411	4,620
412	180
413	464
414	0
415	0
416	741
417	7,844
418	0
420	13,245
421	13,868
422	840
423	843
424	900
425	450
426	180
427	4,320
Totals	200,332

Kentucky UNBRIDLED SPIRIT

Oxymorphone Usage
Q4 2016



Cabinet for Health and Family Services

Kentucky
UNBRIDLED SPIRIT

Oxymorphone Usage
Q4 2016

Actual Number of Oxymorphone Doses for Quarter 4, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	766	EDMONSON	1,644	KNOX	5,448	NICHOLAS	270
ALLEN	930	ELLIOTT	300	LARUE	1,920	OHIO	180
ANDERSON	1,500	ESTILL	1,590	LAUREL	5,510	OLDHAM	1,440
BALLARD	0	FAYETTE	12,361	LAWRENCE	640	OWEN	180
BARREN	546	FLEMING	1,034	LEE	380	OWSLEY	1,086
BATH	1,530	FLOYD	6,751	LESLIE	978	PENDLETON	840
BELL	2,936	FRANKLIN	1,481	LETCHER	750	PERRY	2,213
BOONE	7,393	FULTON	0	LEWIS	0	PIKE	6,959
BOURBON	150	GALLATIN	972	LINCOLN	2,703	POWELL	1,626
BOYD	2,184	GARRARD	1,320	LIVINGSTON	1,076	PULASKI	3,414
BOYLE	1,830	GRANT	1,248	LOGAN	5,147	ROBERTSON	180
BRACKEN	270	GRAVES	1,710	LYON	270	ROCKCASTLE	2,226
BREATHITT	804	GRAYSON	510	MADISON	5,067	ROWAN	1,190
BRECKINRIDGE	960	GREEN	180	MAGOFFIN	605	RUSSELL	150
BULLITT	2,170	GREENUP	2,650	MARION	1,050	SCOTT	3,235
BUTLER	480	HANCOCK	292	MARSHALL	3,898	SHELBY	950
CALDWELL	660	HARDIN	5,490	MARTIN	360	SIMPSON	1,852
CALLOWAY	3,470	HARLAN	3,092	MASON	600	SPENCER	780
CAMPBELL	4,027	HARRISON	1,349	MCCRACKEN	2,956	TAYLOR	1,200
CARLISLE	0	HART	1,230	MCCREARY	1,590	TODD	1,260
CARROLL	660	HENDERSON	1,908	MCLEAN	450	TRIGG	1,676
CARTER	1,364	HENRY	480	MEADE	760	TRIMBLE	0
CASEY	1,200	HICKMAN	0	MENIFEE	540	UNION	660
CHRISTIAN	3,060	HOPKINS	1,362	MERCER	2,640	WARREN	6,486
CLARK	4,170	JACKSON	1,320	METCALFE	628	WASHINGTON	180
CLAY	2,822	JEFFERSON	30,299	MONROE	500	WAYNE	660
CLINTON	420	JESSAMINE	3,187	MONTGOMERY	5,250	WEBSTER	1,920
CRITTENDEN	635	JOHNSON	840	MORGAN	1,058	WHITLEY	9,477
CUMBERLAND	300	KENTON	9,887	MUHLENBERG	2,394	WOLFE	768
DAVIESS	3,067	KNOTT	708	NELSON	1,230	WOODFORD	420
						TOTAL	255,375

Kentucky UNBRIDLED SPIRIT

Per 1000 Oxymorphone Usage Q4 2016

Actual Number of Oxymorphone Doses per 1,000 Residents for Quarter 4, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	41	EDMONSON	136	KNOX	171	NICHOLAS	38
ALLEN	46	ELLIOTT	39	LARUE	137	OHIO	8
ANDERSON	69	ESTILL	110	LAUREL	93	OLDHAM	23
BALLARD	0	FAYETTE	40	LAWRENCE	40	OWEN	17
BARREN	13	FLEMING	71	LEE	52	OWSLEY	233
BATH	128	FLOYD	174	LESLIE	89	PENDLETON	58
BELL	105	FRANKLIN	30	LETCHER	32	PERRY	79
BOONE	59	FULTON	0	LEWIS	0	PIKE	110
BOURBON	8	GALLATIN	115	LINCOLN	111	POWELL	130
BOYD	45	GARRARD	78	LIVINGSTON	115	PULASKI	53
BOYLE	63	GRANT	50	LOGAN	192	ROBERTSON	81
BRACKEN	32	GRAVES	46	LYON	32	ROCKCASTLE	133
BREATHITT	59	GRAYSON	20	MADISON	45	ROWAN	51
BRECKINRIDGE	48	GREEN	16	MAGOFFIN	88	RUSSELL	8
BULLITT	28	GREENUP	73	MARION	47	SCOTT	65
BUTLER	38	HANCOCK	34	MARSHALL	59	SHELBY	21
CALDWELL	51	HARDIN	51	MARTIN	47	SIMPSON	104
CALLOWAY	92	HARLAN	108	MASON	52	SPENCER	44
CAMPBELL	44	HARRISON	73	MCCRACKEN	125	TAYLOR	49
CARLISLE	0	HART	66	MCCREARY	28	TODD	101
CARROLL	60	HENDERSON	41	MCLEAN	35	TRIGG	117
CARTER	50	HENRY	31	MEADE	26	TRIMBLE	0
CASEY	75	HICKMAN	0	MENIFEE	86	UNION	44
CHRISTIAN	41	HOPKINS	29	MERCER	124	WARREN	55
CLARK	117	JACKSON	98	METCALFE	63	WASHINGTON	15
CLAY	132	JEFFERSON	40	MONROE	47	WAYNE	32
CLINTON	41	JESSAMINE	64	MONTGOMERY	193	WEBSTER	143
CRITTENDEN	69	JOHNSON	36	MORGAN	79	WHITLEY	265
CUMBERLAND	44	KENTON	61	MUHLENBERG	77	WOLFE	106
DAVIESS	31	KNOTT	44	NELSON	28	WOODFORD	17