

# DRUG INTELLIGENCE REPORT

## (U) Analysis of Oxycodone, Hydrocodone, and Buprenorphine Orders by Registrants in Pennsylvania and Delaware, 2010-2013

*January 2015*



**(U) Over the last decade, the states of Pennsylvania and Delaware have experienced a sharp increase in prescription opioid abuse and related overdoses, many resulting in death. In an effort to identify potential sources and demonstrate the availability of these abused pharmaceuticals, the DEA Philadelphia Division Intelligence Program conducted a review and analysis of oxycodone, hydrocodone, and buprenorphine orders by registrants in Pennsylvania and Delaware for the years 2010-2013.<sup>1</sup>**

(U) As of 2010 (latest figures available), Pennsylvania and Delaware had the 14th and 10th highest drug overdose mortality rates in the United States, with 15.3 and 16.6 per 100,000 people suffering drug overdose fatalities (respectively). The number of drug overdose deaths, a majority of which were from prescription drugs, increased by 89 percent in Pennsylvania and by 50 percent in Delaware since 1999.<sup>2</sup>

(U) Reports from the law enforcement, public health, and regulatory communities indicate that prescription drugs within Schedules II, III, and IV are readily available and sought throughout Pennsylvania and Delaware. These commonly abused licit drugs are available on the street in both wholesale (hundred dosage units (DUs)) and retail (a few DUs) quantities. Intelligence and investigations indicate the most commonly diverted and abused prescription opioids include the pain relievers oxycodone and hydrocodone, as well as buprenorphine. Buprenorphine (Subutex® and Suboxone®) reduces or eliminates opioid withdrawal symptoms, including drug cravings, without producing the “high” or dangerous side effects of heroin and other opioids.<sup>3</sup> Intelligence indicates that as heroin and opioid abuse increases, abusers increasingly seek buprenorphine to ease withdrawal symptoms until the abuser has the funds or means to acquire their primary drug of choice.

<sup>1</sup>(U) Registrants include: Pharmacies, Hospitals, Practitioners, Mid-Level Practitioners, and Narcotics Treatment Programs. Excluded were Training Institutions, Mid-Level Distributors, and Manufacturers.

<sup>2</sup>(U) Prescription Drug Abuse: Strategies to Stop the Epidemic, 2013, [www.healthyamericans.org](http://www.healthyamericans.org)

<sup>3</sup>(U) Principles of Adolescent Substance Use Disorder Treatment: A Research-Based Guide, National Institute on Drug Abuse

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(U) The analysis conducted by the DEA Philadelphia Division Intelligence Program in this report focused on registrant ordering totals, the number of registrants ordering, and the average number of DUs by registrant, for the aforementioned drugs. This information was obtained from the DEA Office of Diversion Control's Automated Reports and Consolidated Orders System (ARCOS).

### (U) Oxycodone

(U) Pennsylvania ranked first in the country for the total number of oxycodone DUs ordered in 2013 (319 million); from 2010-2012, Pennsylvania ranked second behind Florida in this category. In 2013, Delaware ranked 39th (28 million), a decrease in ranking from 2010 (35th), 2011 (36th), and 2012 (37th). See **Figure 1** for full state rankings and order totals.

Pennsylvania ranked first in the country for number of oxycodone DUs ordered in 2013.

(U) Although nationwide oxycodone orders decreased slightly in 2013 (from 5 billion to 4.9 billion DUs), Pennsylvania's slight decrease in oxycodone orders over 2012 still resulted in the number one ranking in 2013. Of note, in 2013, Florida had 4,933 registrants ordering oxycodone, as compared to 3,477 in Pennsylvania, an almost 30 percent difference, yet Pennsylvania's oxycodone orders exceeded Florida's by approximately 200,000 DUs.

(U) Of the 319 million oxycodone DUs ordered in Pennsylvania in 2013, 297 million were ordered by pharmacies, 20 million by hospitals, and 1.3 million by physicians. Of note, of the 1.3 million DUs ordered by physicians, a single physician accounted for 124,000 DUs (-10 percent). This distribution was similar for the previous years analyzed (2010-2012).

(U) In Delaware, the 28 million oxycodone DUs ordered in 2013 were distributed to pharmacies (26 million), hospitals (1.9 million), and physicians (10,000). Of note, the pharmacy and hospital orders remained similar from 2010-2012, however, physician orders dropped substantially from 2011 (417,000 DUs) to 2013 due to the enactment of strict physician dispensing legislation in Delaware in 2012.

(U) Of the 74,201 registrants ordering oxycodone in the United States in 2013, Pennsylvania had 3,477 registrants, resulting in a ranking of 5th; Delaware had 238 registrants, resulting in a ranking of 46th. These rankings and number of registrants were stable across the analyzed time period (2010-2013). See **Figure 2** for the full state rankings and registrant totals.

(U) Analysis of oxycodone orders per registrant revealed that Pennsylvania averaged 91,844 DUs per registrant in 2013 (ranking 16th); Delaware averaged 121,394 DUs per registrant (ranking 2nd). These rankings were relatively stable across the analyzed time period (2010-2013), with Delaware holding the number one ranking from 2010-2012 for average DUs per registrant. See **Figure 3** for the full state rankings and registrant averages.

### (U) Hydrocodone

(U) Of the 8.4 billion DUs of hydrocodone ordered in the United States in 2013, Pennsylvania registrants ordered 244 million (ranking 12th); Delaware ordered 8.9 million (ranking 49th). These rankings were

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relatively stable across the analyzed time period (2010-2013). See **Figure 4** for full state rankings and order totals.

(U) The distribution of hydrocodone DUs ordered in Pennsylvania in 2013 included 236 million by pharmacies, 5.4 million by hospitals, and 2.5 million by physicians. Delaware orders included 8.5 million by pharmacies, 290,000 by hospitals, and 64,000 by physicians. The distribution was relatively stable across the analyzed time period (2010-2013) with the corresponding decrease in physician orders in Delaware in 2013 referenced in the oxycodone section, above.

(U) Of the 101,955 registrants ordering hydrocodone nationwide in 2013, Pennsylvania had 4,605 registrants (ranking 5th); Delaware had 293 registrants (ranking 46th). These rankings were stable across the analyzed time period (2010-2013). See **Figure 5** for full state rankings and registrant totals.

(U) Analysis of hydrocodone orders per registrant revealed that Pennsylvania averaged 53,064 DUs per registrant (ranking 39th) in 2013; Delaware averaged 30,395 DUs per registrant (ranking 48th). These rankings were relatively stable across the analyzed time period (2010-2013). See **Figure 6** for the full state rankings and registrant averages.

### **(U) Buprenorphine**

(U) Of the 310 million DUs of buprenorphine ordered in the United States in 2013, Pennsylvania registrants accounted for 22 million DUs (ranking 2nd); Delaware registrants ordered 1.1 million DUs (ranking 41st). These rankings were stable across the analyzed time period (2010-2013). However, unlike oxycodone and hydrocodone DU orders, which decreased over the analyzed time period, buprenorphine orders increased by 45 percent from 2010 to 2013 in Pennsylvania and by 32 percent in Delaware. This is an obvious and identifiable link to the well-documented increase in heroin abuse in Pennsylvania and Delaware during the same time period. See **Figure 7** for full state rankings and order totals.

**Pennsylvania ranked second in the country in buprenorphine DUs ordered in 2013.**

**The number of buprenorphine DUs ordered by narcotics treatment programs in Delaware has increased 383% since 2010.**

(U) Of the 22 million buprenorphine DUs ordered in Pennsylvania in 2013, 21 million were ordered by pharmacies, 748,104 DUs by hospitals, 11,486 DUs by physicians, and 12,330 DUs by narcotics treatment programs. This breakdown remained relatively stable across the analyzed period (2010-2013), however, the number of DUs ordered by narcotics treatment programs increased 189 percent from 2010 to 2013. Of the 1.1 million DUs ordered in Delaware in 2013, 1,030,844 DUs were ordered by pharmacies, 53,348 DUs by hospitals, 462 DUs by physicians, and 94,620 DUs by narcotics treatment programs. This distribution remained relatively stable across the analyzed time period (2010-2013), however, the number of dosage units ordered by narcotics treatment programs increased 383 percent from 2010 to 2013.

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(U) Of the 60,701 registrants ordering buprenorphine in the United States in 2013, Pennsylvania had 2,922 (ranking 5th); Delaware had 216 (ranking 44th). These rankings were stable across the analyzed time period (2010-2013), while the number of registrants ordering buprenorphine increased slightly from 2010 to 2013 in both states. See **Figure 8** for full state rankings and registrant totals.

(U) Analysis of buprenorphine orders per registrant revealed that Pennsylvania averaged 7,613 DUs per registrant (ranking 13th); Delaware averaged 5,459 DUs per registrant (ranking 21st). These rankings remained stable across the analyzed time period (2010-2013), however, the average number of DUs ordered by each registrant increased in both Pennsylvania (31 percent) and Delaware (16 percent) from 2010 to 2013. See **Figure 9** for full state rankings and registrant averages.

### **(U) Outlook**

(U) Treatment, medical examiner, and law enforcement data point to a clear and chilling advancement in prescription drug availability and abuse, most notably opioids, throughout Pennsylvania and Delaware. Exacerbating the problem, the pathway from prescription drug abuse to heroin abuse is no longer an anecdotal consideration; intelligence supports that it is a reality in Pennsylvania and Delaware, imitating the nationwide trend. As a result, the epidemic of prescription drug abuse continues unabated in Pennsylvania and Delaware, with annual increases in related overdose deaths. The abundance of prescription opioids ordered by registrants, as detailed in this report, represent one of the sources of these abused narcotics. Moving forward, educating registrants and community members on the dangers of prescription drug abuse is an essential component of an effective demand reduction strategy against prescription drug abuse. Effective prescription monitoring programs, training for medical professionals on addiction, and aggressive law enforcement efforts are also necessary to effectively stem the supply of diverted pharmaceutical controlled substances.

This product was prepared by the DEA Philadelphia Division Intelligence Program. Comments and questions can be directed to Field Intelligence Manager Laura A. Hendrick at [laura.a.hendrick@usdoj.gov](mailto:laura.a.hendrick@usdoj.gov) or 215-861-3258.

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(U) Figure 1: State Rankings for Total Oxycodone Dosage Units Ordered, 2010-2013

STATE	2013 TOTAL DOSAGE UNITS	2013 RANKING	2012 TOTAL DOSAGE UNITS	2012 RANKING	2011 TOTAL DOSAGE UNITS	2011 RANKING	2010 TOTAL DOSAGE UNITS	2010 RANKING
PENNSYLVANIA	319,344,791	1	327,092,851	2	313,680,993	2	288,870,043	2
FLORIDA	317,828,015	2	374,330,610	1	527,586,018	1	650,885,860	1
CALIFORNIA	314,670,367	3	317,864,287	3	299,371,336	4	261,181,184	5
NEW YORK	290,087,245	4	301,007,941	4	301,127,555	3	266,896,986	4
OHIO	274,860,382	5	285,361,258	5	292,279,242	5	282,934,629	3
NORTH CAROLINA	245,122,856	6	236,574,595	6	222,681,008	6	201,693,238	6
NEW JERSEY	183,685,620	7	188,120,052	7	195,471,691	7	179,311,163	7
ARIZONA	178,537,952	8	184,477,334	8	173,835,833	8	154,633,084	8
TENNESSEE	166,821,336	9	169,701,248	9	159,266,286	9	141,889,292	11
MASSACHUSETTS	151,848,808	10	153,944,515	10	152,531,880	11	146,314,057	10
WASHINGTON	150,985,184	11	153,184,870	11	154,437,570	10	151,249,822	9
VIRGINIA	138,732,214	12	139,249,900	13	132,282,921	14	118,068,618	14
MARYLAND	137,382,792	13	144,777,949	12	149,574,325	12	141,639,892	12
GEORGIA	134,302,079	14	138,873,203	14	142,405,014	13	125,986,084	13
COLORADO	113,979,575	15	121,049,789	15	112,732,202	15	100,227,545	17
MISSOURI	113,506,977	16	114,220,729	16	110,856,572	16	99,979,350	18
WISCONSIN	109,123,533	17	113,547,471	17	109,059,650	17	100,329,263	16
OREGON	103,826,884	18	107,453,991	18	107,496,186	18	101,389,306	15
INDIANA	99,684,094	19	100,986,692	19	90,632,791	20	80,726,827	20
MICHIGAN	94,724,125	20	91,990,332	20	82,639,811	21	73,164,053	21
SOUTH CAROLINA	85,116,488	21	85,250,834	22	79,484,493	22	71,450,580	23
KENTUCKY	80,249,672	22	91,603,066	21	95,162,078	19	81,873,088	19
MINNESOTA	79,647,789	23	80,085,923	23	76,436,651	23	69,549,000	24
CONNECTICUT	77,234,830	24	78,147,242	24	74,889,278	24	71,531,917	22
TEXAS	73,094,162	25	72,769,182	26	69,914,608	26	62,437,942	26
ALABAMA	70,630,434	26	67,943,909	27	61,238,297	27	51,216,443	28
NEVADA	65,863,594	27	73,154,479	25	71,188,722	25	63,270,105	25
OKLAHOMA	64,664,940	28	62,099,312	28	57,932,697	28	52,363,292	27
LOUISIANA	59,808,145	29	57,731,208	29	56,221,053	29	49,599,949	29
UTAH	56,293,142	30	54,753,424	30	50,910,387	30	47,895,830	30
WEST VIRGINIA	48,862,520	31	49,373,180	31	45,988,970	33	42,911,440	32
ILLINOIS	48,388,590	32	48,488,677	32	48,049,068	32	42,805,010	33
ARKANSAS	44,905,020	33	45,375,792	34	42,623,692	34	39,873,970	34
KANSAS	44,339,620	34	44,166,612	35	41,713,468	35	37,315,942	36
NEW MEXICO	42,882,505	35	47,686,155	33	49,143,660	31	45,697,500	31
MISSISSIPPI	32,319,610	36	31,088,008	39	28,317,569	39	24,573,192	40
MAINE	31,584,360	37	34,373,850	36	35,822,090	37	34,383,060	37
NEW HAMPSHIRE	30,898,910	38	31,456,200	38	31,001,240	38	29,799,340	38
DELAWARE	28,891,790	39	33,441,460	37	40,008,410	36	37,620,204	35
IOWA	26,972,020	40	28,605,200	40	28,055,104	40	25,805,582	39
IDAHO	21,119,040	41	20,158,872	43	18,028,004	43	15,583,792	45
HAWAII	20,339,530	42	20,739,050	42	20,162,140	42	18,897,498	41
RHODE ISLAND	19,647,660	43	21,160,755	41	20,336,340	41	18,148,220	42
MONTANA	17,799,490	44	18,149,920	44	17,257,740	44	16,533,080	43
NEBRASKA	17,611,253	45	17,896,235	45	17,251,901	45	16,154,094	44
ALASKA	12,990,650	46	13,588,560	46	13,342,456	46	12,287,550	48
PUERTO RICO	12,654,120	47	12,520,640	47	13,082,209	47	12,525,590	46
VERMONT	11,841,340	48	12,143,860	48	12,535,121	48	12,422,380	47
WYOMING	10,476,976	49	10,228,953	49	9,029,502	50	8,530,680	50
DISTRICT OF COLUMBIA	9,185,840	50	9,157,300	50	9,280,620	49	8,839,300	49
NORTH DAKOTA	8,537,522	51	8,220,359	52	7,636,834	52	6,598,122	52
SOUTH DAKOTA	8,406,924	52	8,486,090	51	8,607,458	51	8,025,872	51
GUAM	603,000	53	565,900	53	511,440	53	463,800	53
VIRGIN ISLANDS	302,380	54	294,180	54	297,400	54	301,080	54
AMERICAN SAMOA	28,800	55	24,000	55	42,800	55	50,200	55

(U) Source: ARCOS

(U) Figure 2: State Rankings by Number of Registrants Ordering Oxycodone, 2010-2013

STATE	2013 TOTAL DISPENSING REGISTRANTS	2013 RANKING	2012 TOTAL DISPENSING REGISTRANTS	2012 RANKING	2011 TOTAL DISPENSING REGISTRANTS	2011 RANKING	2010 TOTAL DISPENSING REGISTRANTS	2010 RANKING
CALIFORNIA	6,541	1	6,328	1	6,265	1	6,160	1
NEW YORK	5,147	2	5,061	2	5,039	3	4,949	3
FLORIDA	4,933	3	4,999	3	5,173	2	5,320	2
TEXAS	4,806	4	4,760	4	4,615	4	4,482	4
PENNSYLVANIA	3,477	5	3,427	5	3,372	5	3,330	5
OHIO	2,658	6	2,646	6	2,642	6	2,776	6
ILLINOIS	2,599	7	2,424	9	2,438	9	2,413	9
MICHIGAN	2,563	8	2,550	8	2,528	8	2,494	8
GEORGIA	2,553	9	2,555	7	2,550	7	2,525	7
NORTH CAROLINA	2,390	10	2,267	10	2,254	10	2,250	10
NEW JERSEY	2,226	11	2,186	11	2,197	11	2,201	11
TENNESSEE	1,779	12	1,815	12	1,793	12	1,807	12
VIRGINIA	1,778	13	1,764	13	1,756	13	1,725	13
ALABAMA	1,510	14	1,494	14	1,454	14	1,441	15
MISSOURI	1,510	15	1,479	15	1,446	15	1,451	14
WASHINGTON	1,509	16	1,423	17	1,419	16	1,425	16
INDIANA	1,439	17	1,432	16	1,398	17	1,389	17
MASSACHUSETTS	1,401	18	1,358	19	1,353	19	1,364	18
MARYLAND	1,386	19	1,359	18	1,373	18	1,333	19
LOUISIANA	1,349	20	1,344	20	1,325	21	1,319	20
ARIZONA	1,330	21	1,307	22	1,296	22	1,273	22
WISCONSIN	1,322	22	1,343	21	1,329	20	1,315	21
KENTUCKY	1,259	23	1,262	23	1,262	23	1,253	23
MINNESOTA	1,239	24	1,244	24	1,220	25	1,233	25
SOUTH CAROLINA	1,239	25	1,229	25	1,224	24	1,250	24
COLORADO	1,083	26	1,076	26	1,053	26	1,043	26
OKLAHOMA	1,041	27	1,046	27	1,045	27	1,038	27
MISSISSIPPI	896	28	903	29	893	28	882	29
IOWA	894	29	914	28	883	29	887	28
PUERTO RICO	860	30	847	31	846	31	848	31
OREGON	859	31	803	33	813	32	800	32
ARKANSAS	857	32	871	30	856	30	860	30
KANSAS	811	33	805	32	791	33	785	33
CONNECTICUT	781	34	776	34	787	34	763	34
WEST VIRGINIA	631	35	619	35	608	35	604	35
UTAH	599	36	580	37	574	36	563	36
NEVADA	590	37	574	38	554	38	558	38
NEBRASKA	578	38	588	36	572	37	560	37
IDAHO	406	39	363	40	361	40	376	40
NEW MEXICO	393	40	399	39	392	39	387	39
MAINE	373	41	344	41	343	41	356	41
MONTANA	342	42	328	42	321	42	316	42
NEW HAMPSHIRE	334	43	312	43	306	43	305	43
HAWAII	275	44	266	45	257	45	248	45
SOUTH DAKOTA	270	45	276	44	268	44	261	44
DELAWARE	238	46	230	46	224	47	216	48
NORTH DAKOTA	236	47	228	47	226	46	222	46
RHODE ISLAND	218	48	216	48	219	48	217	47
VERMONT	172	49	162	50	158	49	159	49
WYOMING	172	50	171	49	157	50	154	51
ALASKA	155	51	153	52	154	52	154	50
DISTRICT OF COLUMBIA	154	52	154	51	155	51	147	52
VIRGIN ISLANDS	24	53	24	53	23	53	23	53
GUAM	15	54	13	54	13	54	12	54
AMERICAN SAMOA	1	55	1	55	1	55	1	55

(U) Source: ARCOS

(U) Figure 3: State Rankings by Average Oxycodone Dosage Units Ordered per Registrant, 2010-2013

STATE	2013 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2013 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	2012 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2012 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	2011 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2011 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	20110 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2010 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING
ARIZONA	134,239	1	141,145	2	134,132	2	121,471	4
DELAWARE	121,394	2	145,397	1	178,608	1	174,167	1
OREGON	120,869	3	133,815	3	132,221	3	126,736	2
NEVADA	111,633	4	127,446	4	128,499	4	113,387	6
NEW MEXICO	109,115	5	119,514	5	125,366	5	118,081	5
MASSACHUSETTS	108,386	6	113,361	6	112,736	6	107,268	7
COLORADO	105,244	7	112,499	7	107,058	10	96,095	13
OHIO	103,408	8	107,846	8	110,628	7	101,921	10
NORTH CAROLINA	102,561	9	104,355	11	98,793	14	89,641	15
WASHINGTON	100,056	10	107,649	9	108,835	9	106,140	9
MARYLAND	99,121	11	106,532	10	108,939	8	106,256	8
CONNECTICUT	98,892	12	100,705	13	95,157	15	93,750	14
UTAH	93,978	13	94,402	17	88,694	20	85,072	17
TENNESSEE	93,772	14	93,499	18	88,826	19	78,522	21
NEW HAMPSHIRE	92,511	15	100,821	12	101,311	13	97,702	11
PENNSYLVANIA	91,844	16	95,445	16	93,025	16	86,747	16
RHODE ISLAND	90,126	17	97,966	15	92,860	17	83,632	18
MAINE	84,676	18	99,923	14	104,437	11	96,581	12
ALASKA	83,810	19	88,814	19	86,639	21	79,789	20
WISCONSIN	82,544	20	84,547	21	82,061	22	76,296	23
NEW JERSEY	82,518	21	86,056	20	88,972	18	81,468	19
VIRGINIA	78,027	22	78,939	23	75,331	28	68,445	27
WEST VIRGINIA	77,436	23	79,762	22	75,639	26	71,045	25
MISSOURI	75,170	24	77,228	25	76,664	25	68,903	26
HAWAII	73,961	25	77,966	24	78,451	24	76,199	24
INDIANA	69,273	26	70,521	29	64,830	30	58,118	30
VERMONT	68,845	27	74,962	26	79,336	23	78,128	22
SOUTH CAROLINA	68,697	28	69,366	30	64,938	29	57,160	31
FLORIDA	64,428	29	74,881	27	101,988	12	122,346	3
MINNESOTA	64,283	30	64,377	31	62,652	31	56,406	32
KENTUCKY	63,740	31	72,585	28	75,405	27	65,341	28
OKLAHOMA	62,118	32	59,368	35	55,437	36	50,446	36
WYOMING	60,912	33	59,818	32	57,512	34	55,394	33
DISTRICT OF COLUMBIA	59,648	34	59,462	34	59,874	32	60,131	29
NEW YORK	56,360	35	59,475	33	59,759	33	53,929	34
KANSAS	54,672	36	54,865	38	52,735	38	47,536	39
GEORGIA	52,605	37	54,353	39	55,845	35	49,895	38
ARKANSAS	52,397	38	52,096	40	49,794	40	46,365	40
MONTANA	52,045	39	55,335	37	53,762	37	52,319	35
IDAHO	52,017	40	55,534	36	49,939	39	41,446	42
CALIFORNIA	48,107	41	50,231	41	47,784	41	42,399	41
ALABAMA	46,775	42	45,477	42	42,117	44	35,542	45
LOUISIANA	44,335	43	42,954	44	42,430	43	37,604	44
GUAM	40,200	44	43,530	43	39,341	45	38,650	43
MICHIGAN	36,958	45	36,074	45	32,689	47	29,336	48
NORTH DAKOTA	36,175	46	36,054	46	33,791	46	29,721	47
MISSISSIPPI	36,070	47	34,427	47	31,710	50	27,860	51
SOUTH DAKOTA	31,136	48	30,746	49	32,117	48	30,750	46
NEBRASKA	30,469	49	30,435	50	30,160	51	28,846	50
IOWA	30,170	50	31,296	48	31,772	49	29,093	49
AMERICAN SAMOA	28,800	51	24,000	51	42,800	42	50,200	37
ILLINOIS	18,618	52	20,003	52	19,708	52	17,739	52
TEXAS	15,208	53	15,287	53	15,149	54	13,930	54
PUERTO RICO	14,714	54	14,782	54	15,463	53	14,770	53
VIRGIN ISLANDS	12,599	55	12,257	55	12,930	55	13,090	55

(U) Source: ARCOS

(U) Figure 4: State Rankings by Total Hydrocodone Dosage Units Ordered, 2010-2013

STATE	2013 TOTAL DOSAGE UNITS	2013 RANKING	2012 TOTAL DOSAGE UNITS	2012 RANKING	2011 TOTAL DOSAGE UNITS	2011 RANKING	2010 TOTAL DOSAGE UNITS	2010 RANKING
CALIFORNIA	1,048,899,555	1	1,078,496,015	1	1,102,360,779	1	1,008,079,197	1
TEXAS	849,371,557	2	863,508,025	2	918,509,767	2	825,919,942	2
MICHIGAN	428,619,876	3	444,365,339	4	441,864,554	4	397,826,909	5
TENNESSEE	425,412,142	4	501,243,575	3	446,291,139	3	475,681,321	3
FLORIDA	377,082,921	5	377,738,858	5	426,102,424	5	401,946,191	4
ILLINOIS	330,377,929	6	326,538,138	6	339,625,075	6	288,358,528	7
INDIANA	286,312,679	7	301,305,907	8	301,997,283	8	269,256,309	9
OHIO	284,656,008	8	306,842,893	7	330,879,022	7	303,260,437	6
GEORGIA	266,530,742	9	275,472,222	10	279,002,440	10	255,493,623	10
SOUTH CAROLINA	257,783,878	10	283,042,573	9	268,129,742	11	247,722,550	11
ALABAMA	257,514,009	11	263,930,439	11	255,963,918	12	231,802,448	14
PENNSYLVANIA	244,362,820	12	245,568,432	13	253,355,474	13	234,937,569	12
NORTH CAROLINA	229,615,850	13	233,851,110	15	239,331,454	15	216,889,030	15
NEW YORK	223,615,834	14	257,347,804	12	295,603,425	9	287,237,385	8
MISSOURI	214,779,238	15	213,161,359	16	221,128,358	16	180,038,768	16
KENTUCKY	212,043,864	16	236,147,259	14	252,898,662	14	234,303,755	13
OKLAHOMA	194,503,904	17	196,921,716	17	204,258,139	17	179,114,666	17
LOUISIANA	173,300,981	18	174,649,183	18	173,695,921	19	156,098,877	20
WASHINGTON	156,075,632	19	161,210,236	19	171,596,862	20	163,621,829	19
VIRGINIA	153,653,775	20	156,307,652	20	163,740,276	21	147,003,823	21
ARIZONA	148,972,717	21	151,942,602	21	155,542,451	22	143,450,419	22
NEVADA	136,784,665	22	151,224,003	22	176,059,664	18	169,303,028	18
ARKANSAS	128,879,202	23	126,580,462	24	122,847,140	26	112,768,066	25
MISSISSIPPI	127,406,869	24	131,609,345	23	129,070,673	24	116,311,926	24
OREGON	117,718,413	25	122,711,984	25	132,023,800	23	122,322,459	23
WISCONSIN	115,540,499	26	118,560,614	26	123,750,341	25	112,507,848	26
KANSAS	102,300,015	27	104,167,868	27	104,097,198	27	94,285,791	28
COLORADO	91,101,172	28	95,499,460	28	101,753,846	28	93,524,023	29
WEST VIRGINIA	86,516,051	29	93,432,437	29	97,817,264	29	94,782,536	27
IOWA	73,872,978	30	75,072,568	31	76,942,370	31	68,748,014	31
MINNESOTA	72,759,060	31	76,084,399	30	79,155,876	30	73,153,291	30
UTAH	63,471,330	32	64,795,630	32	67,606,114	33	64,047,210	33
MASSACHUSETTS	58,919,430	33	62,752,164	33	69,448,503	32	64,746,507	32
NEW JERSEY	55,870,637	34	60,296,567	34	65,606,745	34	61,551,852	34
IDAHO	54,710,653	35	55,132,249	35	54,259,711	36	49,084,374	36
MARYLAND	53,883,477	36	54,016,535	36	57,887,551	35	55,061,251	35
NEW MEXICO	44,139,661	37	48,390,991	37	52,500,480	37	48,901,869	37
NEBRASKA	39,943,417	38	39,990,260	38	39,414,679	39	35,516,505	39
CONNECTICUT	34,227,334	39	36,517,276	39	39,644,497	38	35,879,692	38
MONTANA	29,526,510	40	30,529,270	40	30,418,610	41	27,583,894	41
MAINE	28,298,270	41	30,824,030	41	32,751,842	40	30,631,728	40
HAWAII	21,493,812	42	21,555,897	43	21,434,180	43	21,063,460	43
SOUTH DAKOTA	19,630,450	43	18,808,978	44	20,009,886	44	17,303,573	44
RHODE ISLAND	19,008,372	44	21,703,177	42	24,368,737	42	22,593,260	42
NEW HAMPSHIRE	14,744,190	45	15,529,328	45	16,451,432	45	15,792,203	45
ALASKA	14,359,322	46	14,732,815	46	14,796,619	46	14,027,075	46
WYOMING	13,956,212	47	14,184,207	47	13,918,043	47	13,350,627	47
NORTH DAKOTA	13,236,013	48	13,402,049	48	12,491,323	48	10,515,903	48
DELAWARE	8,905,976	49	9,872,262	49	10,938,156	49	10,391,298	49
VERMONT	7,668,200	50	7,813,170	50	8,200,890	50	7,920,278	50
DISTRICT OF COLUMBIA	2,542,830	51	2,644,740	51	2,633,774	51	2,504,112	51
PUERTO RICO	1,976,192	52	1,993,358	52	1,976,800	52	1,785,440	52
VIRGIN ISLANDS	447,830	53	457,910	53	476,000	53	358,700	53
GUAM	306,200	54	348,900	54	76,600	54	302,480	54
AMERICAN SAMOA	6,500	55	4,700	55	7,000	55	0	55

(U) Source: ARCOS



(U) Figure 5: State Rankings by Number of Registrants Ordering Hydrocodone, 2010-2013

STATE	2013 TOTAL DISPENSING REGISTRANTS	2013 RANKING	2012 TOTAL DISPENSING REGISTRANTS	2012 RANKING	2011 TOTAL DISPENSING REGISTRANTS	2011 RANKING	2010 TOTAL DISPENSING REGISTRANTS	2010 RANKING
CALIFORNIA	10,812	1	10,605	1	11,054	1	11,339	1
TEXAS	8,568	2	9,097	2	8,186	2	8,152	2
FLORIDA	7,233	3	7,660	3	7,633	3	7,643	3
NEW YORK	5,758	4	5,813	4	5,826	4	5,753	4
PENNSYLVANIA	4,605	5	4,287	5	4,273	5	4,323	5
GEORGIA	3,974	6	4,159	6	3,845	6	3,549	8
ILLINOIS	3,696	7	4,058	7	3,839	7	3,800	6
OHIO	3,373	8	3,741	8	3,576	8	3,664	7
NORTH CAROLINA	3,288	9	3,562	9	3,348	9	3,014	10
NEW JERSEY	3,050	10	3,058	12	2,990	12	2,939	11
MICHIGAN	3,028	11	3,272	11	3,264	10	3,257	9
TENNESSEE	2,941	12	3,282	10	3,097	11	2,845	12
VIRGINIA	2,425	13	2,749	13	2,478	13	2,383	13
ALABAMA	2,268	14	2,480	15	2,311	15	2,077	15
INDIANA	2,064	15	2,529	14	2,454	14	2,248	14
WASHINGTON	1,972	16	1,890	18	2,002	17	2,007	16
LOUISIANA	1,895	17	2,245	16	2,068	16	1,954	17
MARYLAND	1,848	18	1,923	17	1,755	20	1,784	20
MISSOURI	1,817	19	1,874	19	1,780	19	1,790	19
ARIZONA	1,762	20	1,726	20	1,819	18	1,890	18
MASSACHUSETTS	1,559	21	1,499	23	1,506	24	1,573	23
WISCONSIN	1,555	22	1,654	21	1,624	22	1,626	21
COLORADO	1,489	23	1,496	24	1,531	23	1,601	22
SOUTH CAROLINA	1,484	24	1,613	22	1,640	21	1,557	24
MINNESOTA	1,471	25	1,467	25	1,439	26	1,435	26
KENTUCKY	1,408	26	1,453	26	1,451	25	1,436	25
OKLAHOMA	1,329	27	1,428	27	1,363	27	1,388	27
PUERTO RICO	1,273	28	1,192	30	814	36	827	35
MISSISSIPPI	1,197	29	1,307	28	1,229	28	1,138	30
OREGON	1,176	30	1,119	31	1,195	29	1,197	28
ARKANSAS	1,161	31	1,245	29	1,164	30	1,147	29
IOWA	1,013	32	1,043	32	999	32	1,021	31
KANSAS	965	33	966	35	950	33	972	33
CONNECTICUT	921	34	1,019	33	1,018	31	972	32
WEST VIRGINIA	838	35	994	34	889	34	808	36
NEVADA	767	36	737	36	816	35	946	34
UTAH	704	37	704	37	718	37	727	37
NEBRASKA	652	38	664	38	654	38	711	38
IDAHO	540	39	492	40	521	41	534	40
NEW MEXICO	498	40	530	39	554	40	559	39
MAINE	447	41	413	42	414	42	423	41
MONTANA	415	42	419	41	398	43	403	42
HAWAII	364	43	346	43	338	44	312	44
NEW HAMPSHIRE	354	44	332	44	328	45	329	43
SOUTH DAKOTA	299	45	311	45	611	39	295	45
DELAWARE	293	46	266	46	255	48	272	47
NORTH DAKOTA	268	47	264	48	256	47	257	48
RHODE ISLAND	261	48	265	47	263	46	277	46
ALASKA	228	49	230	49	235	49	248	49
WYOMING	206	50	205	51	212	50	213	50
VERMONT	204	51	196	52	188	52	185	51
DISTRICT OF COLUMBIA	184	52	226	50	188	51	173	52
VIRGIN ISLANDS	28	53	28	53	29	53	26	53
GUAM	26	54	26	54	9	54	24	54
AMERICAN SAMOA	1	55	1	55	1	55	0	55

(U) Source: ARCOS

(U) Figure 6: State Rankings by Average Hydrocodone Dosage Units Ordered per Registrant, 2010-2013

STATE	2013 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2013 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	2012 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2012 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	2011 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2011 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	2010 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2010 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING
NEVADA	178,337	1	205,188	1	215,759	1	178,967	1
SOUTH CAROLINA	173,708	2	175,475	2	163,493	3	159,102	4
KENTUCKY	150,599	3	162,523	3	174,292	2	163,164	3
OKLAHOMA	146,353	4	137,900	5	149,859	4	129,045	5
TENNESSEE	144,648	5	152,725	4	144,104	5	167,199	2
MICHIGAN	141,552	6	135,808	6	135,375	6	122,145	6
INDIANA	138,717	7	119,140	7	123,063	8	119,775	7
MISSOURI	118,205	8	113,746	8	124,229	7	100,580	13
ALABAMA	113,542	9	106,423	12	110,758	10	111,604	9
ARKANSAS	111,007	10	101,671	14	105,538	14	98,315	14
MISSISSIPPI	106,438	11	100,695	15	105,020	15	102,207	10
KANSAS	106,010	12	107,834	11	109,575	13	97,001	15
WEST VIRGINIA	103,241	13	93,996	17	110,030	12	117,305	8
IDAHO	101,316	14	112,057	9	104,145	16	91,918	16
OREGON	100,100	15	109,662	10	110,480	11	102,190	11
TEXAS	99,133	16	94,922	16	112,204	9	101,315	12
CALIFORNIA	97,012	17	101,696	13	99,725	17	88,903	17
LOUISIANA	91,451	18	77,794	25	83,992	25	79,886	23
UTAH	90,158	19	92,039	18	94,158	19	88,097	18
ILLINOIS	89,387	20	80,467	24	88,467	22	75,883	25
NEW MEXICO	88,633	21	91,303	19	94,766	18	87,480	19
ARIZONA	84,547	22	88,031	20	85,509	24	75,899	24
OHIO	84,392	23	82,021	22	92,527	21	82,767	20
WASHINGTON	79,145	24	85,296	21	85,712	23	81,525	22
WISCONSIN	74,302	25	71,681	29	76,200	29	69,193	29
IOWA	72,924	26	71,977	28	77,019	27	67,334	32
RHODE ISLAND	72,829	27	81,898	23	92,656	20	81,564	21
MONTANA	71,148	28	72,862	27	76,428	28	68,446	30
NORTH CAROLINA	69,834	29	65,651	32	71,484	31	71,960	28
WYOMING	67,748	30	69,191	30	65,651	34	62,679	33
GEORGIA	67,068	31	66,235	31	72,562	30	71,990	27
SOUTH DAKOTA	65,653	32	60,479	36	32,749	49	58,656	35
VIRGINIA	63,362	33	56,859	39	66,077	33	61,688	34
MAINE	63,307	34	74,634	26	79,110	26	72,415	26
ALASKA	62,979	35	64,055	33	62,964	36	56,560	37
NEBRASKA	61,262	36	60,226	37	60,267	37	49,952	41
COLORADO	61,182	37	63,836	34	66,462	32	58,416	36
HAWAII	59,048	38	62,300	35	63,414	35	67,511	31
PENNSYLVANIA	53,064	39	57,282	38	59,292	38	54,345	38
FLORIDA	52,133	40	49,313	42	55,823	39	52,590	39
MINNESOTA	49,462	41	51,863	40	55,007	40	50,977	40
NORTH DAKOTA	49,388	42	50,765	41	48,794	43	40,917	46
NEW HAMPSHIRE	41,650	43	46,775	43	50,156	42	48,000	43
NEW YORK	38,835	44	44,271	44	50,738	41	49,928	42
MASSACHUSETTS	37,793	45	41,862	45	46,114	44	41,161	45
VERMONT	37,589	46	39,863	46	43,621	45	42,812	44
CONNECTICUT	37,163	47	35,836	48	38,943	47	36,913	48
DELAWARE	30,395	48	37,113	47	42,894	46	38,203	47
MARYLAND	29,157	49	28,089	49	32,984	48	30,863	49
NEW JERSEY	18,318	50	19,717	50	21,942	50	20,943	50
VIRGIN ISLANDS	15,993	51	16,353	51	16,413	51	13,796	52
DISTRICT OF COLUMBIA	13,819	52	11,702	53	14,009	52	14,474	51
GUAM	11,776	53	13,419	52	8,511	53	12,603	53
AMERICAN SAMOA	6,500	54	4,700	54	7,000	54	0	55
PUERTO RICO	1,552	55	1,672	55	2,428	55	2,158	54

(U) Source: ARCOS

(U) Figure 7: State Rankings by Total Buprenorphine Dosage Units Ordered, 2010-2013

STATE	2013 TOTAL DOSAGE UNITS	2013 RANKING	2012 TOTAL DOSAGE UNITS	2012 RANKING	2011 TOTAL DOSAGE UNITS	2011 RANKING	2010 TOTAL DOSAGE UNITS	2010 RANKING
NEW YORK	22,550,675	1	20,537,903	1	18,256,883	1	16,605,270	1
PENNSYLVANIA	22,247,702	2	19,639,247	2	17,188,252	2	15,394,080	2
MASSACHUSETTS	17,022,029	3	15,485,953	3	14,060,158	3	12,030,112	3
FLORIDA	16,990,390	4	14,637,576	4	12,840,017	5	10,722,026	5
OHIO	16,700,812	5	13,794,301	6	11,331,053	6	9,285,185	6
CALIFORNIA	15,689,393	6	14,334,446	5	12,900,433	4	11,438,716	4
TEXAS	12,669,896	7	11,275,281	7	10,043,734	8	8,562,777	8
TENNESSEE	12,623,732	8	9,847,904	10	8,603,351	10	8,142,467	10
NEW JERSEY	12,021,526	9	10,987,667	8	10,160,721	7	9,269,212	7
KENTUCKY	11,952,347	10	9,340,465	11	7,115,454	12	6,639,529	12
MICHIGAN	11,475,046	11	10,263,864	9	9,182,716	9	8,162,460	9
MARYLAND	9,496,588	12	8,846,772	12	7,917,310	11	7,073,613	11
NORTH CAROLINA	8,320,212	13	6,425,916	15	5,064,904	18	4,264,770	19
ALABAMA	7,967,035	14	6,742,496	14	5,374,976	15	4,564,553	15
INDIANA	7,892,122	15	6,822,127	13	5,910,514	13	5,130,990	13
VIRGINIA	7,117,573	16	6,022,776	18	4,979,700	20	4,193,355	20
LOUISIANA	7,006,192	17	6,161,774	16	5,193,349	16	4,427,460	18
WASHINGTON	6,563,040	18	5,810,109	20	5,036,904	19	4,529,844	16
GEORGIA	6,485,508	19	5,847,946	19	5,138,827	17	4,432,327	17
CONNECTICUT	6,401,018	20	6,054,780	17	5,479,635	14	4,929,720	14
WEST VIRGINIA	5,381,264	21	4,982,324	21	3,763,178	22	3,173,820	23
ILLINOIS	5,375,624	22	4,855,652	22	4,395,044	21	3,910,545	21
WISCONSIN	4,782,671	23	3,997,468	23	3,611,370	23	3,157,765	24
UTAH	4,038,849	24	3,696,094	24	3,341,332	24	2,876,610	26
MISSISSIPPI	3,889,370	25	3,549,954	25	3,218,552	26	2,941,117	25
SOUTH CAROLINA	3,661,766	26	3,089,969	28	2,587,968	30	2,263,770	28
OKLAHOMA	3,615,208	27	3,136,924	27	2,640,647	29	2,142,667	31
MAINE	3,558,900	28	3,475,806	26	3,309,870	25	3,414,690	22
MISSOURI	3,543,409	29	3,084,734	29	2,771,229	27	2,171,130	29
ARIZONA	3,435,154	30	2,951,780	30	2,689,136	28	2,391,450	27
OREGON	2,942,683	31	2,753,270	31	2,512,184	31	2,153,704	30
COLORADO	2,843,846	32	2,331,032	34	1,886,670	35	1,647,616	36
MINNESOTA	2,840,388	33	2,463,550	33	2,095,160	33	1,664,940	34
RHODE ISLAND	2,740,305	34	2,492,341	32	2,130,845	32	2,011,084	32
NEW HAMPSHIRE	2,501,154	35	2,212,812	35	1,854,086	36	1,657,530	35
NEW MEXICO	2,229,018	36	2,105,778	36	1,712,294	37	1,402,740	37
VERMONT	2,147,384	37	2,022,650	37	1,893,772	34	2,002,470	33
ARKANSAS	1,536,442	38	1,173,778	39	997,310	40	856,410	40
NEVADA	1,446,622	39	1,252,412	38	1,096,672	38	994,530	38
IDAHO	1,182,642	40	1,010,336	41	824,608	41	685,508	41
DELAWARE	1,179,274	41	1,141,630	40	998,012	39	890,730	39
KANSAS	1,112,649	42	904,958	42	714,388	42	587,070	43
HAWAII	899,426	43	748,112	44	586,446	44	468,150	44
ALASKA	831,460	44	667,466	45	557,496	45	423,030	45
MONTANA	821,936	45	756,140	43	602,704	43	614,400	42
PUERTO RICO	795,680	46	616,516	46	399,370	47	110,790	51
DISTRICT OF COLUMBIA	583,292	47	467,384	48	386,532	48	305,820	47
IOWA	581,810	48	554,089	47	514,661	46	417,420	46
WYOMING	431,390	49	306,890	50	265,574	50	227,910	49
NEBRASKA	398,328	50	356,518	49	304,590	49	245,640	48
NORTH DAKOTA	289,878	51	215,644	51	161,138	51	141,390	50
SOUTH DAKOTA	153,258	52	131,208	52	122,984	52	85,980	52
VIRGIN ISLANDS	9,958	53	11,820	53	11,352	53	8,940	53
GUAM	7,710	54	4,290	54	4,140	54	510	54
AMERICAN SAMOA	0	55	0	55	0	55	0	55

(U) Source: ARCOS

(U) Figure 8: State Rankings by Number of Registrants Ordering Buprenorphine, 2010-2013

STATE	2013 TOTAL DISPENSING REGISTRANTS	2013 RANKING	2012 TOTAL DISPENSING REGISTRANTS	2012 RANKING	2011 TOTAL DISPENSING REGISTRANTS	2011 RANKING	2010 TOTAL DISPENSING REGISTRANTS	2010 RANKING
CALIFORNIA	5,301	1	5,101	1	5,113	1	4,624	1
NEW YORK	4,161	2	4,151	2	4,162	2	3,887	2
TEXAS	4,154	3	4,020	3	3,910	3	3,878	3
FLORIDA	3,944	4	3,908	4	3,849	4	3,822	4
PENNSYLVANIA	2,922	5	2,853	5	2,824	5	2,659	5
MICHIGAN	2,244	6	2,253	6	2,245	6	2,274	6
OHIO	2,236	7	2,202	7	2,204	7	2,117	7
ILLINOIS	2,226	8	1,957	9	1,994	9	1,797	10
GEORGIA	2,111	9	2,051	8	2,068	8	1,914	8
NORTH CAROLINA	1,946	10	1,779	11	1,711	11	1,520	11
NEW JERSEY	1,910	11	1,847	10	1,866	10	1,850	9
VIRGINIA	1,501	12	1,485	12	1,470	12	1,310	13
TENNESSEE	1,475	13	1,454	13	1,462	13	1,372	12
ALABAMA	1,309	14	1,265	14	1,224	14	1,155	15
MASSACHUSETTS	1,277	15	1,219	15	1,205	15	1,188	14
WASHINGTON	1,266	16	1,187	17	1,187	16	1,126	18
MARYLAND	1,230	17	1,182	18	1,186	17	1,150	16
INDIANA	1,223	18	1,213	16	1,178	18	1,142	17
MISSOURI	1,202	19	1,176	19	1,157	19	969	21
WISCONSIN	1,098	20	1,064	20	1,051	20	972	20
ARIZONA	1,097	21	1,053	21	1,025	22	991	19
KENTUCKY	1,079	22	1,030	23	1,044	21	965	22
LOUISIANA	1,058	23	1,031	22	1,016	23	894	23
SOUTH CAROLINA	991	24	975	24	984	24	861	24
MINNESOTA	927	25	895	25	877	25	715	27
COLORADO	835	26	815	26	780	27	736	25
OKLAHOMA	822	27	809	27	807	26	732	26
OREGON	738	28	685	29	673	30	685	30
MISSISSIPPI	712	29	712	28	702	28	686	29
CONNECTICUT	694	30	682	30	682	29	689	28
ARKANSAS	618	31	595	31	640	31	480	32
IOWA	602	32	578	32	559	32	354	37
KANSAS	553	33	525	33	527	33	373	35
UTAH	512	34	490	35	477	35	519	31
WEST VIRGINIA	507	35	504	34	493	34	463	33
NEVADA	457	36	442	36	430	36	417	34
PUERTO RICO	367	37	366	37	372	37	122	47
NEBRASKA	354	38	356	38	351	38	229	41
MAINE	352	39	324	39	318	39	364	36
IDAHO	344	40	303	41	292	41	262	39
NEW MEXICO	312	41	309	40	306	40	311	38
NEW HAMPSHIRE	300	42	267	42	258	42	246	40
MONTANA	250	43	235	43	232	43	215	42
DELAWARE	216	44	207	44	189	46	190	44
HAWAII	216	45	198	46	192	45	148	46
RHODE ISLAND	204	46	202	45	204	44	212	43
VERMONT	174	47	158	47	159	47	161	45
SOUTH DAKOTA	153	48	154	48	149	48	78	52
WYOMING	136	49	134	49	118	49	112	48
DISTRICT OF COLUMBIA	130	50	122	50	115	50	104	49
NORTH DAKOTA	130	51	118	51	113	51	89	51
ALASKA	108	52	104	52	106	52	98	50
VIRGIN ISLANDS	15	53	12	53	10	53	8	53
GUAM	2	54	3	54	6	54	3	54
AMERICAN SAMOA	0	55	0	55	0	55	0	55

(U) Source: ARCOS

(U) Figure 9: State Rankings by Average Buprenorphine Dosage Units Ordered per Registrant, 2010-2013

STATE	2013 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2013 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	2012 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2012 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	2011 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2011 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING	2010 AVERAGE DOSAGE UNITS DISPENSED PER REGISTRANT	2010 AVERAGE DOSAGE UNITS PER REGISTRANT RANKING
RHODE ISLAND	13,432	1	12,338	3	10,445	3	9,486	3
MASSACHUSETTS	13,329	2	12,703	2	11,668	2	10,126	2
VERMONT	12,341	3	12,801	1	11,910	1	12,437	1
KENTUCKY	11,077	4	9,068	6	6,815	9	6,880	6
WEST VIRGINIA	10,613	5	9,885	5	7,633	6	6,854	7
MAINE	10,110	6	10,727	4	10,408	4	9,381	4
CONNECTICUT	9,223	7	8,877	7	8,034	5	7,154	5
TENNESSEE	8,558	8	6,772	13	5,884	12	5,934	10
NEW HAMPSHIRE	8,337	9	8,287	8	7,186	7	6,737	8
UTAH	7,888	10	7,543	9	7,004	8	5,542	12
MARYLAND	7,720	11	7,484	10	6,675	10	6,150	9
ALASKA	7,698	12	6,417	14	5,259	16	4,316	19
PENNSYLVANIA	7,613	13	6,883	11	6,086	11	5,789	11
OHIO	7,469	14	6,264	15	5,141	17	4,386	18
NEW MEXICO	7,144	15	6,814	12	5,595	13	4,510	16
LOUISIANA	6,622	16	5,976	16	5,111	18	4,952	14
INDIANA	6,453	17	5,624	18	5,017	19	4,492	17
NEW JERSEY	6,293	18	5,948	17	5,445	14	5,010	13
ALABAMA	6,086	19	5,330	20	4,391	21	3,951	23
MISSISSIPPI	5,462	20	4,985	21	4,584	20	4,287	20
DELAWARE	5,459	21	5,515	19	5,280	15	4,688	15
NEW YORK	5,419	22	4,947	22	4,386	22	4,272	21
WASHINGTON	5,184	23	4,894	23	4,243	23	4,022	22
MICHIGAN	5,113	24	4,555	24	4,090	24	3,589	24
VIRGINIA	4,741	25	4,055	25	3,387	27	3,201	26
DISTRICT OF COLUMBIA	4,486	26	3,831	28	3,361	28	2,940	29
OKLAHOMA	4,398	27	3,877	27	3,272	30	2,927	30
WISCONSIN	4,355	28	3,757	30	3,436	26	3,248	25
FLORIDA	4,307	29	3,745	31	3,335	29	2,805	32
NORTH CAROLINA	4,275	30	3,612	32	2,960	32	2,805	33
HAWAII	4,164	31	3,778	29	3,054	31	3,163	27
OREGON	3,987	32	4,019	26	3,732	25	3,144	28
GUAM	3,855	33	1,430	50	690	54	170	54
SOUTH CAROLINA	3,695	34	3,169	35	2,630	34	2,629	34
IDAHO	3,437	35	3,334	33	2,824	33	2,616	35
COLORADO	3,405	36	2,860	36	2,418	41	2,238	42
MONTANA	3,287	37	3,217	34	2,597	36	2,857	31
WYOMING	3,171	38	2,290	45	2,250	44	2,034	45
NEVADA	3,165	39	2,833	38	2,550	38	2,384	38
ARIZONA	3,131	40	2,803	41	2,623	35	2,413	37
GEORGIA	3,072	41	2,851	37	2,484	40	2,315	40
MINNESOTA	3,064	42	2,752	42	2,389	43	2,328	39
TEXAS	3,050	43	2,804	40	2,568	37	2,208	43
CALIFORNIA	2,959	44	2,810	39	2,523	39	2,473	36
MISSOURI	2,947	45	2,623	43	2,395	42	2,240	41
ARKANSAS	2,486	46	1,972	46	1,558	46	1,784	46
ILLINOIS	2,414	47	2,481	44	2,204	45	2,176	44
NORTH DAKOTA	2,229	48	1,827	47	1,426	47	1,588	47
PUERTO RICO	2,168	49	1,684	49	1,073	50	908	53
KANSAS	2,012	50	1,723	48	1,355	48	1,573	48
NEBRASKA	1,125	51	1,001	51	867	52	1,072	52
SOUTH DAKOTA	1,001	52	852	54	825	53	1,102	51
IOWA	966	53	958	53	920	51	1,179	49
VIRGIN ISLANDS	663	54	985	52	1,135	49	1,117	50
AMERICAN SAMOA	0	55	0	55	0	55	0	55

(U) Source: ARCOS