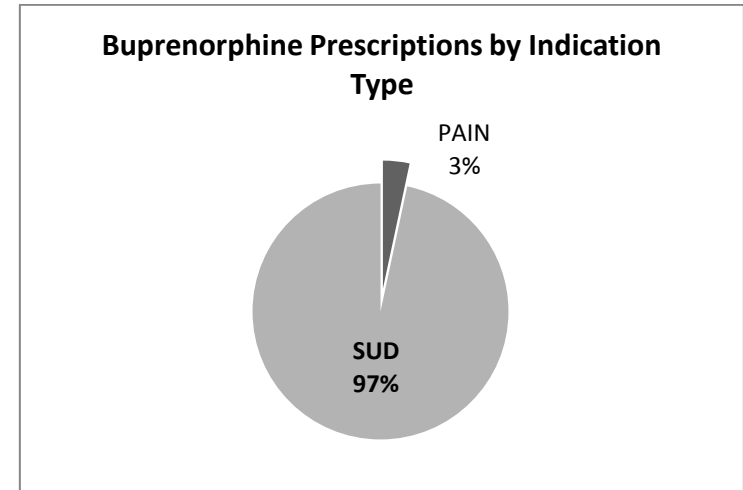


# Buprenorphine Prescribing Patterns in Maryland: January 1 to October 15, 2016

Total Prescriptions of Buprenorphine Containing Drugs Captured in PDMP, Statewide

Drug Name/Formulation	Total Prescriptions	% Total
<b>Indicated for Pain:</b>	7388	3.35
BELBUCA/FILM	482	0.22
BUPRENEX/VIAL	7	0.00
BUPRENORPHINE/ VIAL	14	0.01
BUPRENORPHINE/ POWDER	318	0.14
BUTRANS/PATCH	6567	2.98
<b>Indicated for Opioid Use Disorder(OD) Treatment:</b>	213298	96.65
BUNAVAIL/FILM	245	0.11
BUPRENORPHINE-NALOXONE/FILM	24221	10.98
BUPRENORPHINE/TABLET	19320	8.75
PROBUPHINE/IMPLANT	1	0.00
SUBOXONE/FILM	140664	63.74
SUBOXONE /TABLET	6	0.00
ZUBSOLV/TABLET	28841	13.07
<b>Total</b>	<b>220686</b>	<b>100.00</b>

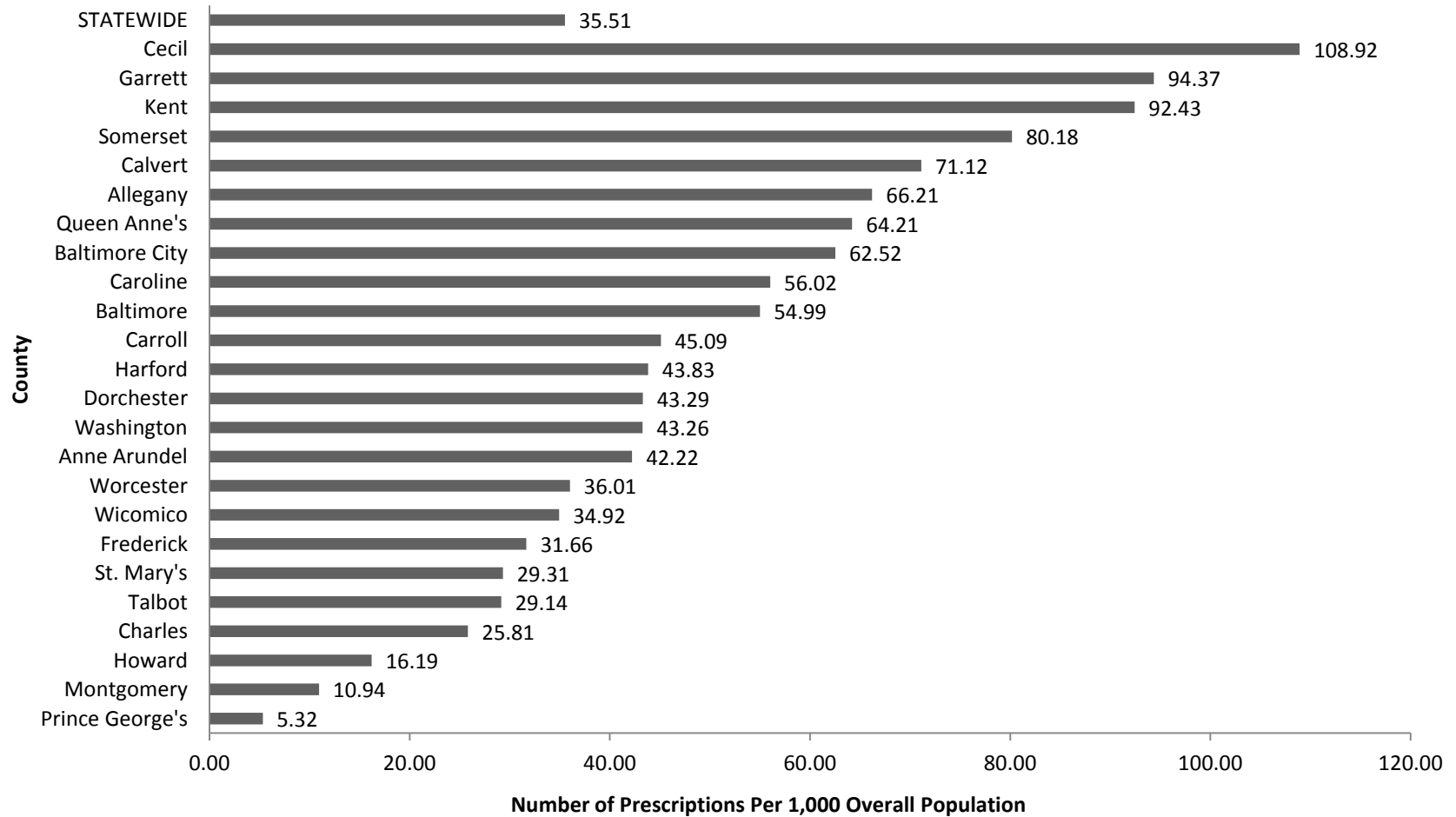


## Prescription Counts of Buprenorphine- Containing Drugs by Patient County of Residence

COUNTY	Total Prescriptions	Pain Prescriptions (% County Total)	Pain Prescriptions % State Total	OD Treatment Prescriptions (% County Total)	OD Prescriptions % State Total	COUNTY	Total Prescriptions	Pain Prescriptions (% County Total)	Pain Prescriptions % State Total	OD Treatment Prescriptions (% County Total)	OD Prescriptions % State Total
Allegany	4971	169 (3.4%)	2.29	4802 (96.6%)	2.25	Harford	11407	436 (3.82%)	5.90	10971 (96.18%)	5.14
Anne Arundel	24837	1016 (4.09%)	13.75	23821 (95.91%)	11.17	Howard	5480	405 (7.39%)	5.48	5075 (92.61%)	2.38
Baltimore	35296	1098 (3.11%)	14.86	34198 (96.89%)	16.03	Kent	1868	39 (2.09%)	0.53	1829 (97.91%)	0.86
Baltimore City	52314	352 (0.67%)	4.76	51962 (99.33%)	24.36	Montgomery	12355	979 (7.92%)	13.25	11376 (92.08%)	5.33
Calvert	6533	90 (1.38%)	1.22	6443 (98.62%)	3.02	Prince George's	5329	488 (9.16%)	6.61	4841 (90.84%)	2.27
Caroline	1900	75 (3.95%)	1.02	1825 (96.05%)	0.86	Queen Anne's	3251	111 (3.41%)	1.50	3140 (96.59%)	1.47
Carroll	7892	334 (4.23%)	4.52	7558 (95.77%)	3.54	Somerset	2125	59 (2.78%)	0.80	2066 (97.22%)	0.97
Cecil	11227	76 (0.68%)	1.03	11151 (99.32%)	5.23	St. Mary's	3407	141 (4.14%)	1.91	3266 (95.86%)	1.53
Charles	4279	249 (5.82%)	3.37	4030 (94.18%)	1.89	Talbot	1192	99 (8.31%)	1.34	1093 (91.69%)	0.51
Dorchester	1660	258 (15.54%)	3.49	1402 (84.46%)	0.66	Washington	6712	241 (3.59%)	3.26	6471 (96.41%)	3.03
Frederick	8136	369 (4.54%)	4.99	7767 (95.46%)	3.64	Wicomico	3688	113 (3.06%)	1.53	3575 (96.94%)	1.68
Garrett	2816	36 (1.28%)	0.49	2780 (98.72%)	1.30	Worcester	2011	155 (7.71%)	2.10	1856 (92.29%)	0.87
						<b>TOTAL</b>	<b>220686</b>	<b>7388 (3.35%)</b>	<b>100</b>	<b>213298 (96.65%)</b>	<b>100.00</b>

NOTES: All data comes from Maryland PDMP, which captures prescriptions dispensed by dispensers in Maryland, including pharmacies and practitioner dispensers, with the following caveat. This data does not include buprenorphine products for OD treatment dispensed in Opioid Treatment Programs (OTPs) or in doctor's offices covered under 42 CRF Part 2, the federal regulation protecting drug treatment records. It also does not capture buprenorphine dispensed in other states to Maryland residents.

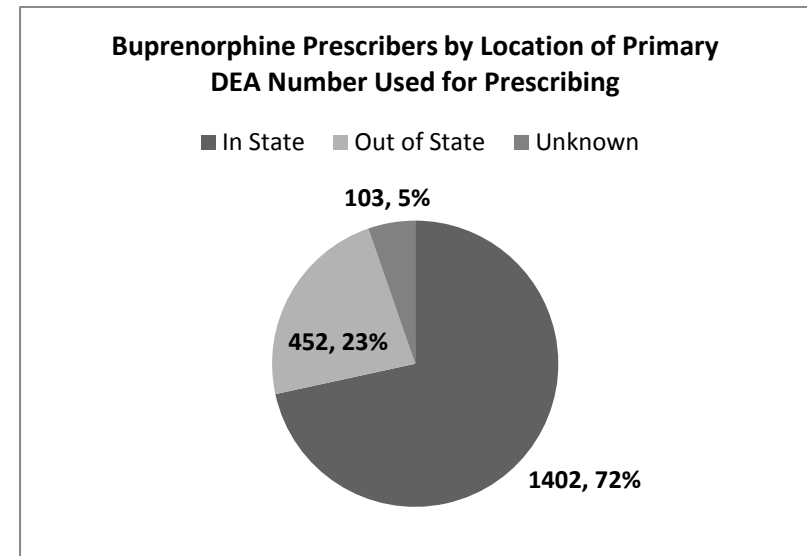
## Buprenorphine for Opioid Use Disorder Treatment Prescription Rate by County, January 1- October 15, 2016



NOTES: Population estimates come from US Census Bureau, 2015. Prescription rate is based on county of residence of the prescription recipient. Because they do not address the number of discrete prescription recipients or the scope of need within the county, these rates should be assessed cautiously.

## Buprenorphine Prescribers Captured in Maryland PDMP by Waiver Status

Waiver Status	Total	In State	Out of State	Unknown	Pain	OUD	Both
<b>Waivered</b>							
Data Waivered-30 patients	385	325	60	0	13	343	29
Data Waivered-100 patients	431	270	161	0	2	389	40
Data Waivered- 275 patients	114	41	73	0	0	110	4
Data Waivered-30 patients (Military)	1	0	1	0	0	1	0
<b>Not Waivered</b>							
Practitioner (MD or DO)	504	407	97	0	309	178	17
<i>Nurse Practitioner</i>	140	129	11	0	75	48	17
<i>Physician Assistant</i>	135	114	21	0	91	25	19
<i>Dentist</i>	17	11	6	0	0	17	0
<i>Optometrist</i>	1	0	1	0	0	1	0
<i>Podiatrist</i>	4	1	3	0	0	4	0
<b>Other Categories</b>							
<i>Veterinarian</i>	91	82	9	0	80	9	2
<i>Animal Hospital</i>	1	1	0	0	1	0	0
<i>Hospital</i>	12	10	2	0	1	7	4
<i>Pharmacy*</i>	7	6	1	0	0	6	1
<b>Missing Waiver Information</b>	114	5	6	103	12	101	1
<b>Total Valid Prescribers</b>	<b>1836</b>	<b>1391</b>	<b>445</b>	<b>0</b>	<b>572</b>	<b>1132</b>	<b>132</b>
<b>Grand Total</b>	<b>1957</b>	<b>1402</b>	<b>452</b>	<b>103</b>	<b>584</b>	<b>1239</b>	<b>134</b>



NOTES: These are prescribers who wrote at least one prescription for a buprenorphine -containing drug that was dispensed in a pharmacy in the state of Maryland to someone with a Maryland address during the indicated timeframe. In order to prescribe buprenorphine for OUD treatment, practitioners-- generally medical doctors only--must have a special DEA waiver known as a DATA waiver, which are capped at certain patient caseloads. All waiver status determined by Business Activity Codes (BACs) listed in the DEA Registrant File, obtained October 17, 2016. Prescribers or institutions with missing waiver information were not able to be verified in the current DEA registrant file. Italicized categories are not an official waiver status; under current federal regulations, nurse practitioners and physician assistance are now eligible for waivers but the DEA does not yet have a procedure under which these types of practitioners may apply. The other categories are not eligible for waivers.

\* Pharmacies are not legitimate sources of prescriptions; these likely appear due to data collection errors.

## Maryland-Based Prescribers' Waiver Utilization, January 1- October 15, 2016

DEA Registrant File	Count	% Total Practitioners	Wrote at least one Prescription Captured in Maryland PDMP	Waiver Utilization (% Count)
<b>Total Practitioners (MD or DO) with DEA Number in Maryland</b>	<b>22923</b>	<b>100.00</b>		
Practitioners without DATA Waiver	21894	95.51	407	1.86
DATA Waivered-30 patients	673	2.94	323	47.99
DATA Waivered-100 patients	298	1.30	268	89.93
DATA Waivered-30 patients (Military)	18	0.08	0	0.00
DATA Waivered- 275 patients	40	0.17	39	97.50
<b>Total Waivered</b>	<b>1029</b>	<b>4.49</b>	<b>636</b>	<b>61.81</b>

NOTES: This table utilizes the DEA Registrant File from October 17, 2016 and looks at only those entrants with a practice address located in Maryland. Numbers may not match the preceding table due to differing methodology in categorizing in-state prescribers in PDMP.

# Buprenorphine Prescriber Characteristics by County

January 1 to October 15, 2016

County	Total Prescribers	Type of Drug Prescribed			Waiver Status					Degree								
		Only Pain	Only OUD	Both	DW 30	DW 100	DW 275	Not Waivered	Missing	MD	DO	DPM	DDS	DMD	DVM	NP	PA	Missing
Allegany County	33	15	14	4	8	6	1	18	0	20	1	0	0	0	0	9	3	0
Anne Arundel County	145	70	59	16	27	16	2	100	0	90	7	0	1	0	11	15	21	0
Baltimore City	330	36	276	18	138	72	11	108	1	266	7	0	4	0	4	24	16	8
Baltimore County	222	80	114	28	36	36	8	141	1	159	9	1	2	0	13	20	15	3
Calvert County	12	4	8	0	2	4	0	6	0	8	1	0	0	0	1	0	2	0
Caroline County	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0
Carroll County	37	13	19	5	3	11	0	23	0	20	1	0	0	0	5	5	4	2
Cecil County	25	1	21	3	8	10	4	3	0	20	4	0	0	0	0	1	0	0
Charles County	27	16	7	4	4	2	0	21	0	12	3	0	0	1	2	2	6	1
Dorchester County	10	8	1	1	1	1	0	8	0	4	2	0	0	0	0	2	2	0
Frederick County	58	30	18	10	4	13	2	38	1	32	0	0	0	0	11	6	8	1
Garrett County	3	0	3	0	1	1	0	1	0	1	1	0	0	0	0	1	0	0
Harford County	54	22	24	8	6	11	2	35	0	30	3	0	0	0	3	10	7	1
Howard County	70	21	47	2	13	22	3	32	0	59	1	0	0	1	3	5	1	0
Kent County	5	3	2	0	1	1	0	3	0	4	0	0	0	0	0	1	0	0
Montgomery County	161	64	87	10	32	30	2	97	0	123	6	0	1	0	18	6	5	2
Prince George's County	97	33	53	11	24	19	2	51	1	77	3	0	1	0	4	5	6	1
Queen Anne's County	12	6	4	2	2	2	1	7	0	9	0	0	0	0	2	0	1	0
Somerset County	3	0	3	0	2	1	0	0	0	3	0	0	0	0	0	0	0	0
St. Mary's County	6	2	4	0	3	0	0	3	0	6	0	0	0	0	0	0	0	0
Talbot County	9	8	1	0	1	0	0	8	0	5	0	0	0	0	1	3	0	0
Washington County	41	20	13	8	5	6	3	26	1	19	4	0	0	0	1	8	7	2
Wicomico County	28	18	9	1	2	4	0	22	0	10	3	0	0	0	2	3	9	1
Worcester County	13	9	3	1	2	2	0	9	0	8	1	0	0	0	1	2	1	0
<b>Total</b>	<b>1402</b>	<b>479</b>	<b>790</b>	<b>133</b>	<b>325</b>	<b>270</b>	<b>41</b>	<b>761</b>	<b>5</b>	<b>985</b>	<b>57</b>	<b>1</b>	<b>9</b>	<b>2</b>	<b>82</b>	<b>129</b>	<b>114</b>	<b>22</b>

NOTES: These are prescribers who wrote at least one prescription for a buprenorphine -containing drug that was dispensed in the state of Maryland to someone with a Maryland address during the indicated timeframe. Some prescribers may have offices in more than one county or state. In these cases, any prescriber with an office in Maryland was added to this table, and county was selected based on location with the most prescriptions written. Prescribers in the "Both" category wrote at least one prescription for a drug indicated for pain and at least one prescription for a drug indicated for OUD (opioid use disorder) in this time frame.

# Buprenorphine Prescriber Characteristics, Nearby States

January 1 to October 15, 2016

State	Total Prescribers	Type of Drug Prescribed			Waiver Status						Degree									
		Only Pain	Only OUD	Both	DW 30	DW 100	DW 275	DW Military	Not Waivered	Missing	DDS	DMD	DO	DPM	DVM	MD	NP	OD	PA	Missing
DC	52	20	32	0	10	11	0	0	30	1	1	0	1	1	2	41	2	0	2	2
DE	30	7	23	0	3	10	7	0	10	0	0	0	3	0	0	22	2	0	3	0
NJ	19	3	16	0	1	10	5	0	3	0	0	0	4	0	0	15	0	0	0	0
NY	16	2	14	0	2	6	1	0	7	0	0	0	0	0	0	15	1	0	0	0
PA	127	8	119	0	20	61	32	0	12	2	0	0	28	1	1	93	0	0	1	3
VA	100	34	65	1	11	25	14	1	47	2	0	1	2	0	3	80	1	1	10	2
WV	18	1	17	0	1	8	3	0	6	0	1	0	3	0	0	12	0	0	1	1
<b>Total</b>	<b>362</b>	<b>75</b>	<b>286</b>	<b>1</b>	<b>48</b>	<b>131</b>	<b>62</b>	<b>1</b>	<b>115</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>41</b>	<b>2</b>	<b>6</b>	<b>278</b>	<b>6</b>	<b>1</b>	<b>17</b>	<b>8</b>

NOTES: These are prescribers who wrote at least one prescription for a buprenorphine -containing drug that was dispensed in the state of Maryland to someone with a Maryland address during the indicated timeframe. These prescribers may have offices in more than one county or state. In these cases, the prescriber did not write any prescriptions from a Maryland location, and the state displayed is the state from which most of their prescriptions was written. Prescribers in the "Both" category wrote at least one prescription for a drug indicated for pain and at least one prescription for a drug indicated for OUD in this time frame.

## Buprenorphine Prescriber Characteristics, Other States: January 1 to October 15, 2016

State	Total Prescribers	Type of Drug Prescribed			Waiver Status						Degree								
		Only Pain	Only OUD	Both	DW 30	DW 100	DW 275	DW Military	Not Waivered	Missing	DDS	DMD	DO	DPM	DVM	MD	NP	PA	Missing
AZ	5	0	5	0	0	2	0	0	3	0	0	0	1	0	0	3	0	1	0
CA	7	0	7	0	2	4	1	0	0	0	0	0	1	0	0	6	0	0	0
CO	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
CT	3	1	2	0	0	0	0	0	3	0	0	0	0	0	1	1	0	1	0
FL	25	2	23	0	7	10	3	0	5	0	0	0	3	0	1	21	0	0	0
GA	2	2	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0
ID	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
IL	4	2	2	0	0	1	0	0	3	0	1	0	0	0	0	3	0	0	0
IN	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
KS	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
KY	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
LA	2	0	2	0	0	1	1	0	0	0	0	0	0	0	0	2	0	0	0
MA	3	1	2	0	0	2	0	0	1	0	0	0	0	0	0	3	0	0	0
MN	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
N/A	103	10	93	0	0	0	0	0	0	103	0	0	0	0	0	0	0	0	103
NC	7	2	5	0	1	2	1	0	3	0	0	0	0	0	0	6	1	0	0
NV	4	1	3	0	0	3	0	0	1	0	0	0	0	0	0	3	1	0	0
OH	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
OK	3	3	0	0	0	0	0	0	3	0	0	0	0	0	1	1	0	1	0
OR	1	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
SC	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	1	0
TN	3	1	2	0	0	1	0	0	2	0	0	0	1	0	0	1	1	0	0
TX	3	0	3	0	0	1	2	0	0	0	0	0	0	0	0	3	0	0	0
UT	3	0	3	0	1	0	2	0	0	0	0	0	0	0	0	3	0	0	0
VT	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
WA	3	2	1	0	0	0	0	0	3	0	0	0	1	0	0	1	1	0	0
WI	2	0	2	0	0	1	0	0	1	0	0	1	0	0	0	1	0	0	0
<b>Total</b>	<b>191</b>	<b>30</b>	<b>163</b>	<b>0</b>	<b>12</b>	<b>30</b>	<b>11</b>	<b>0</b>	<b>37</b>	<b>103</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>65</b>	<b>5</b>	<b>4</b>	<b>105</b>

NOTES: These are prescribers who wrote at least one prescription for a buprenorphine -containing drug that was dispensed in the state of Maryland to someone with a Maryland address during the indicated timeframe. These prescribers may have offices in more than one county or state. In these cases, the prescriber did not write any prescriptions from a Maryland location, and the state displayed is the state from which most of their prescriptions was written. It is possible that some of these prescribers recently moved too or from the state of Maryland and their DEA information was not updated at the time their data was processed. Prescribers in the "Both" category wrote at least one prescription for a drug indicated for pain and at least one prescription for a drug indicated for OUD in this time frame.