



# MA Prescription Monitoring Program County-Level Data Measures (Calendar Year 2022 Quarter 2 and 2022 Quarter 3)

Massachusetts Department of Public Health, Bureau of Health Professions Licensure, October 2022

The Department of Public Health's (DPH) Prescription Drug Monitoring Program (PMP) serves as a repository of data for all prescription drugs dispensed statewide, including those prescriptions that are sought after for illicit and non-medical use and thus represent the highest potential for abuse (federal Schedules II – V, including certain narcotics, stimulants and sedatives). The PMP also enables prescribers and dispensers to access a patient's prescription history and can be used as a clinical decision-making tool, allowing the provider to have a holistic view of the patient's medications.

When interpreting PMP county-level data, it is important to emphasize that increases or decreases in a single measure may not indicate an increase or decrease in prescription misuse or abuse. Put simply, use does not always equate to abuse. There are many factors that might explain an unusually high rate of prescribing in a given area. For instance, an area which contains a large number of residents in long-term care facilities may result in a high rate of opioid prescribing.

These datasets inform critical discussions about opioid prescribing, provide an important baseline to better inform future policy decisions and allow the state and stakeholders to more meaningfully measure whether policy initiatives are effective.

Effective October 6, 2014, all hydrocodone combination drug (HCD) products (e.g., Vicodin) were reclassified from Schedule III to Schedule II. This reclassification during the last quarter of 2014 makes comparisons over time difficult to interpret. Beginning with CY 2015 data, reports of Schedule II products will include all HCD prescriptions.

Individuals with activity of concern "thresholds" for this report are based on a 3-month time period. MDPH has previously released annual county-level reports that provide thresholds based on a 12-month time period. Although the numbers (or rates) generated may appear to be comparable, they represent different time periods and are **NOT** an apples-to-apples comparison. The results are only comparable when the thresholds (e.g., 4 different providers and 4 different pharmacies), time interval (e.g. over a three-month period), and drug products analyzed (e.g. Schedule II opioids) are the same. Meaning, the total number (or rates) of individuals who received Schedule II-V opioid prescriptions from 4 or more providers and had them filled at 4 or more pharmacies in a 3-month period cannot and should not be compared with the total number of individuals (or rates) who received Schedule II-V opioid prescriptions from 4 or more providers and had them filled at 4 or more pharmacies in a 12-month period.

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MA Prescription Monitoring Program: April – June 2022 and July – September 2022

**April - June 2022 (Quarter 2)**

<b>County</b> (County classifications are by patient zip code; patient state must also = MA)	<b>Census Population*</b>	<b>Total Schedule II Opioid Prescriptions</b>	<b>Total Number of Schedule II Opioid Solid Dosage Units</b>	<b>Individuals Receiving Schedule II Opioid Prescription</b>	<b>% of Individuals Receiving Schedule II Opioid Prescription (of total population)</b>	<b>Individuals with Activity of Concern</b>	<b>Rate of Individuals with Activity of Concern (per 1,000)</b>
Barnstable	228,996	20,810	978,188	8,837	3.8	6	0.7
Berkshire	129,026	11,203	556,159	4,881	3.8	<5	NA
Bristol	579,200	52,896	3,128,785	21,619	3.6	<5	NA
Dukes	20,600	1,069	56,086	513	2.5	0	0
Essex	809,829	53,230	2,578,234	25,098	3.0	9	0.4
Franklin	71,029	6,914	393,284	2,864	4.0	<5	NA
Hampden	465,825	40,293	2,166,114	18,165	3.7	15	0.8
Hampshire	162,308	12,757	729,168	5,341	3.2	6	1.1
Middlesex	1,632,002	76,775	3,627,979	39,051	2.3	19	0.5
Nantucket	14,255	691	31,291	344	2.5	<5	NA
Norfolk	725,981	40,538	2,084,796	19,477	2.6	10	0.5
Plymouth	530,819	40,252	2,183,269	18,444	3.3	13	0.7
Suffolk	797,936	35,999	1,955,863	16,988	2.0	9	0.5
Worcester	862,111	60,129	3,363,935	27,022	3.0	23	0.9
MA	7,029,917	453,556	23,833,150	207,648	3.0	120	0.6

Note 1: Individuals with activity of concern "thresholds" for this report are based ONLY on a 3-month time period; see notes on previous page; **CY2022-Q2**

Note 2: Counts greater than 0 but less than 5 are not reported. Rates based on these small values also are not reported (NR).

Note 3: Rates of individuals with activity of concern are based on the population of individuals who have received one or more Schedule II opioid prescriptions during the specified time period.

Note 4: Totals for all counties combined exclude a small number of prescription records that could not be assigned a county due to inaccurate zip code/city town information reported to the program.

Note 5: The total sum for the "Number of Individuals Receiving Schedule II Opioid Prescription" will be slightly different than the sum presented for the state in Figure 2 due to a small number of double counting of individuals moving from one county to another during the specified time period.

Note 6: PMP data are preliminary and subject to updates. The MA PMP database is continuously updated to allow for prescription record correction data submitted by pharmacies. This data were extracted on **10/18/2022**; Release Date: **Nov 2022**.

Note 7: Beginning in 3rd quarter of 2016 the Department of Veteran's Affairs (VA) facilities began submitting data to the MA PMP.

Note 8: UMDI Interim 2020 Population Estimates by Age, Sex, Race, and Municipality, UMass Donahue Institute Population Estimates Program, March 1, 2022

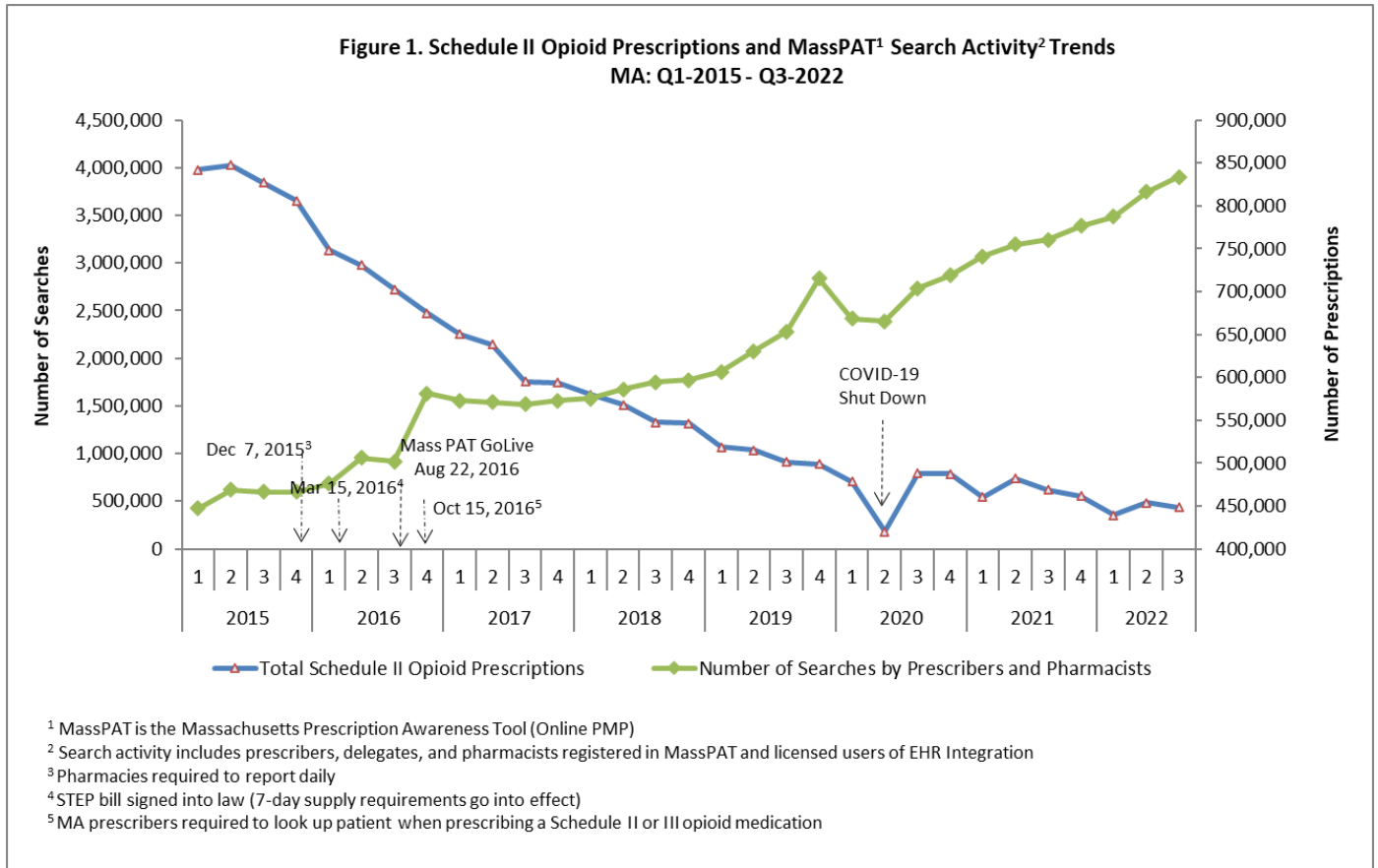
July - September 2022 (Quarter 3)

County (County classifications are by patient zip code; patient state must also = MA)	Census Population*	Total Schedule II Opioid Prescriptions	Total Number of Schedule II Opioid Solid Dosage Units	Individuals Receiving Schedule II Opioid Prescription	% of Individuals Receiving Schedule II Opioid Prescription (of total population)	Individuals with Activity of Concern	Rate of Individuals with Activity of Concern (per 1,000)
Barnstable	228,996	20,660	957,770	8,775	3.8	12	1.4
Berkshire	129,026	11,251	567,352	4,881	3.8	0	0
Bristol	579,200	52,788	3,091,441	21,274	3.7	10	0.5
Dukes	20,600	1,152	61,347	524	2.5	<5	NA
Essex	809,829	52,760	2,550,665	24,807	3.1	17	0.7
Franklin	71,029	7,083	400,812	2,838	4.0	<5	NA
Hampden	465,825	39,564	2,124,032	17,413	3.7	20	1.1
Hampshire	162,308	12,442	721,629	5,292	3.3	<5	NA
Middlesex	1,632,002	75,736	3,562,940	38,044	2.3	21	0.6
Nantucket	14,255	689	31,264	373	2.6	0	0
Norfolk	725,981	39,425	2,044,120	18,844	2.6	8	0.4
Plymouth	530,819	39,485	2,134,684	17,910	3.4	11	0.6
Suffolk	797,936	35,523	1,934,943	16,701	2.1	13	0.8
Worcester	862,111	60,096	3,316,251	26,476	3.1	13	0.5
MA	7,029,917	448,654	23,499,249	203,007	2.9	134	0.7
Note 1: Individuals with activity of concern "thresholds" for this report are based ONLY on a 3-month time period; see notes on previous page; <b>CY2022-Q3</b>							
Note 2: Counts greater than 0 but less than 5 are not reported. Rates based on these small values also are not reported (NR).							
Note 3: Rates of individuals with activity of concern are based on the population of individuals who have received one or more Schedule II opioid prescriptions during the specified time period.							
Note 4: Totals for all counties combined exclude a small number of prescription records that could not be assigned a county due to inaccurate zip code/city town information reported to the program.							
Note 5: The total sum for the "Number of Individuals Receiving Schedule II Opioid Prescription" will be slightly different than the sum presented for the state in Figure 2 due to a small number of double counting of individuals moving from one county to another during the specified time period.							
Note 6: PMP data are preliminary and subject to updates. The MA PMP database is continuously updated to allow for prescription record correction data submitted by pharmacies. This data were extracted on <b>10/18/2022</b> ; Release Date: <b>Nov 2022</b> .							
Note 7: Beginning in 3rd quarter of 2016 the Department of Veteran's Affairs (VA) facilities began submitting data to the MA PMP.							
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# MA Prescription Monitoring Program Data

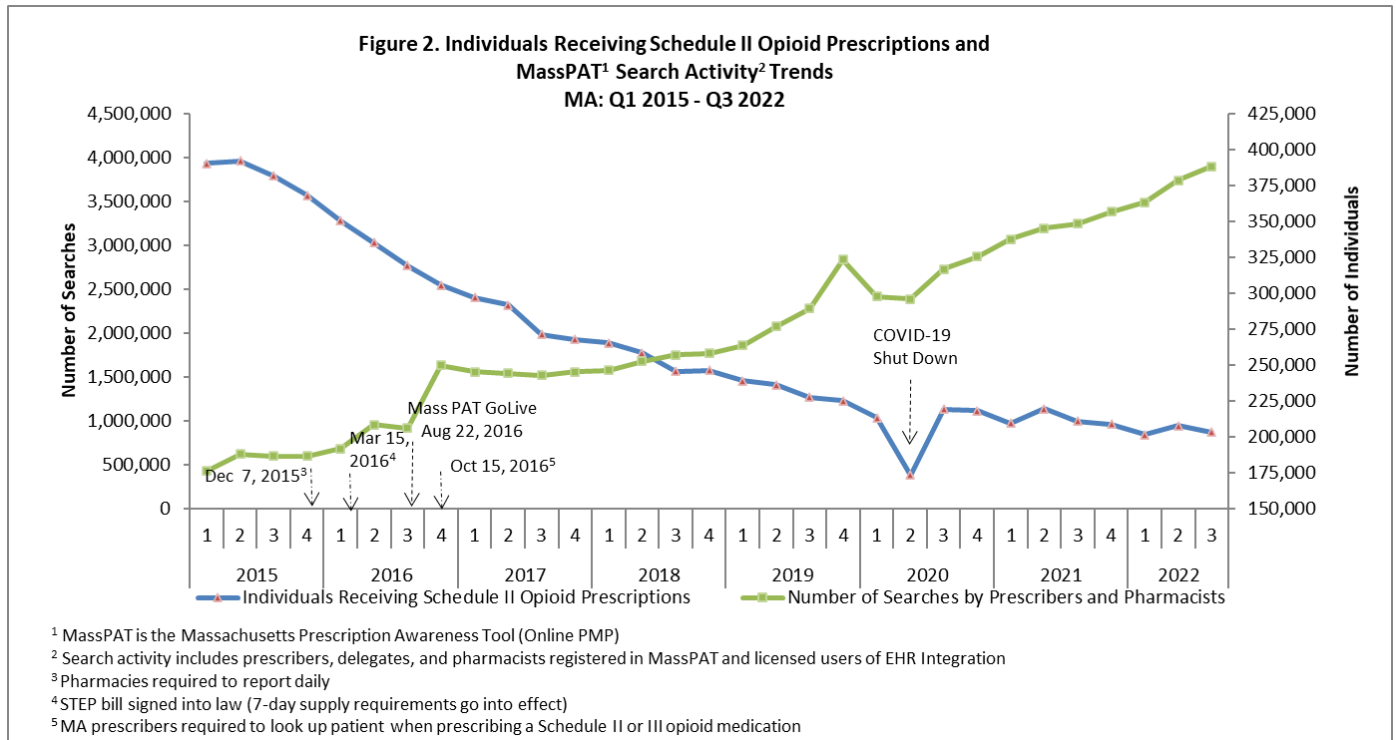
## Trend Analyses for Schedule II Opioids Only

- Registered MassPAT providers conducted over 3.7 million searches in the 2<sup>nd</sup> Quarter of 2022 and over 3.9 million searches in the 3<sup>rd</sup> Quarter of 2022; there was a total increase of approximately 255,400 searches from the 1st to the 2nd Quarter; and an increase of 156,000 searches from the 2<sup>nd</sup> to the 3<sup>rd</sup> Quarter of 2022.
- In the 2<sup>nd</sup> Quarter of 2022, there were approximately 453,500 Schedule II opioid prescriptions reported to the MA PMP; this is a small increase from the previous quarter and just over a 46% decrease from the 1st Quarter of 2015 (n = 841,990 Schedule II opioid prescriptions). In the 3<sup>rd</sup> Quarter of 2022, there were approximately 448,600 Schedule II opioid prescriptions reported to the MA PMP; this is a small decrease from the previous quarter and nearly a 47% decrease from the 1st Quarter of 2015 (n = 841,990 Schedule II opioid prescriptions).



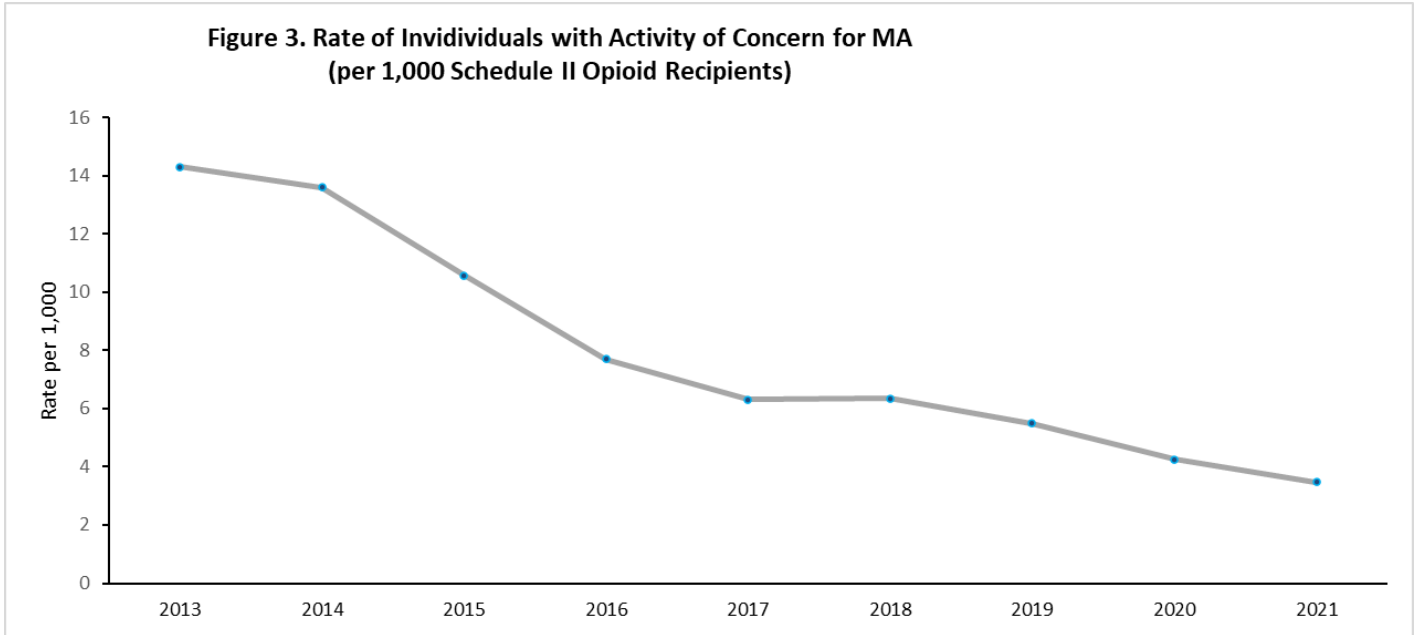
**Note:** PMP data are subject to updates. The MA PMP database is continuously updated to allow for prescription record correction data submitted by pharmacies. The data for CY2022 Q2 and Q3 were extracted on 10/18/2022.

- Approximately 207,000 individuals in MA received prescriptions for Schedule II opioids in the 2<sup>nd</sup> Quarter of 2022; this is a slight increase from the previous quarter (an increase of about 6,300 individuals) and a 47% decrease from the 1st Quarter of 2015 (n = 390,532).
- Approximately 203,000 individuals in MA received prescriptions for Schedule II opioids in the 3<sup>rd</sup> Quarter of 2022; this is a slight decrease from the previous quarter (a decrease of about 4,600 individuals) and over a 48% decrease from the 1st Quarter of 2015 (n = 390,532).



**Note:** PMP data are subject to updates. The MA PMP database is continuously updated to allow for prescription record correction data submitted by pharmacies. The data for CY2022 Q2 and Q3 were extracted on 10/18/2022.

- The rate of individuals with activity of concern (also referred to as multiple provider episodes) decreased from 14.3 to 3.4 per 1,000 individuals between CY 2013 and CY 2021, more than a 75% reduction in activity of concern. Between CY 2020 and CY 2021 the rates of individuals with activity of concern decreased from 4.2 to 3.4 per 1,000 patients.



**Note:** PMP data are subject to updates. The MA PMP database is continuously updated to allow for prescription record correction data submitted by pharmacies. The data for CY2021 were extracted on 04/06/2022.

**Source**

- Prescription Drug Monitoring Program, Bureau of Health Professions Licensure, MDPH