Michigan Automated Prescription System
Drug Utilization Report – Year 2018

November 5, 2019

Prepared by

Kimberly Gaedeke, Chief Deputy Director

Department of Licensing and Regulatory Affairs

GRETCHEN WHITMER
GOVERNOR

ORLENE HAWKS
DIRECTOR

Table of Contents

Background……..…….....3

Summary…….....3

Overview……..4

Background:

The Michigan Automated Prescription System (MAPS) is the State's controlled substance prescription monitoring program within the Bureau of Professional Licensing (BPL), Michigan Department of Licensing and Regulatory Affairs (LARA). Board of Pharmacy Administrative Rules 338.3162b and 338.3162d state all pharmacies, dispensing practitioners and veterinarians who dispense controlled substances, Schedules 2-5, are required to electronically report this prescription data to MAPS on a daily basis. The Drug Utilization report is posted annually for statistical purposes.

Summary:

The information contained in this report provides the totals of controlled substances, Schedules 2-5, dispensed between January 1, 2018 and December 31, 2018 that have been reported to MAPS at the time this report is generated. This report was updated November 5, 2019. Information contained in this report includes:

- Age groups
- American Hospital Formulary Service (AHFS) drug description
- Drug schedule
- Drug name, strength, and form
- Total prescriptions
- Total prescriptions quantity (dosage units)
- Aggregate patient counts
- Average Days Supply
- Total Days Supply
- Average Daily Morphine Milligram Equivalents (MMEs)
- Prescription counts equal to or greater than 90 MMEs

Additional tabs on the spreadsheet provide the above information, broken down by:

- Prescriber county
- Prescriber zip code
- Dispenser county
- Dispenser zip code
- Patient county
- Patient zip code
- Patient summary by county

The following page provides an overview of the controlled substances, Schedules 2-5, dispensed between January 1, 2018 and December 31, 2018 that have been reported to MAPS at the time this report is generated. The overview provides the following:

- Total prescriptions
- Total prescriptions quantity (dosage units)
- Total prescriptions days supply
- Total prescriptions opioid MMEs (excluding MAT opioids)
- Prescriptions by drug schedule vs. average days supply
- Total prescriptions by drug schedule for each month
- Total prescriptions by payment type
- Graph and table of prescriptions by drug schedule and age group
- Percentage of prescriptions equal to or greater than 90 MMEs
- Percentage of new prescriptions vs. refill prescriptions
- Percentage of opioid prescriptions, benzodiazepine prescriptions, stimulant prescriptions, and all other prescriptions

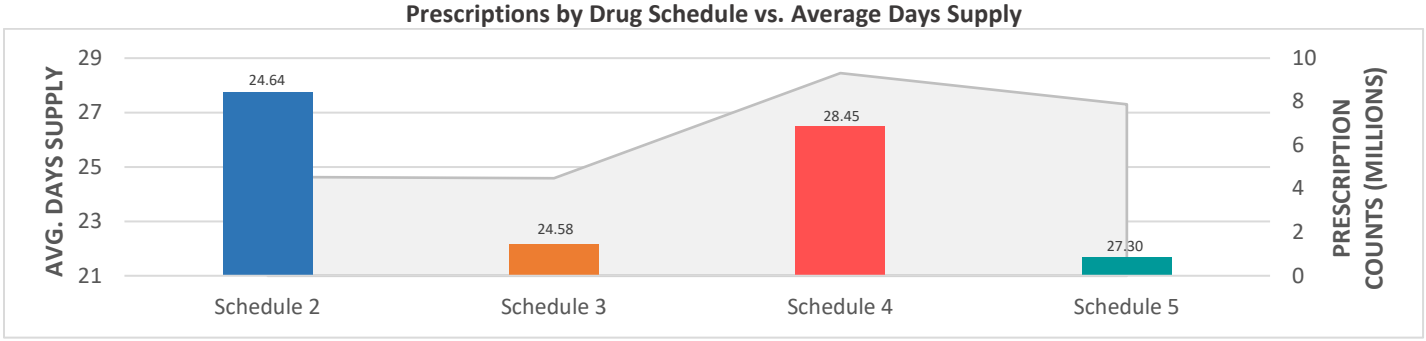
Michigan 2018
Drug Utilization Report Overview

Generated: November 5, 2019

Prescriptions	Quantity	Days Supply	Total Opioid MME
17,623,754	1,050,340,181	441,657,771	6,302,097,767

*Excluding MAT Opioids

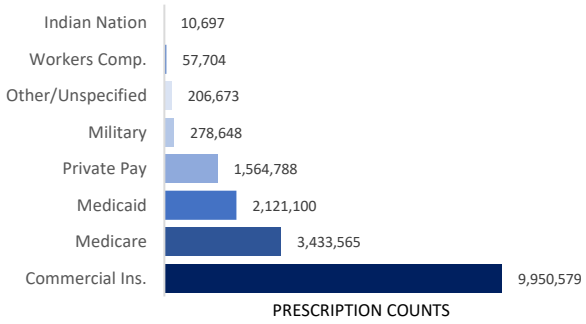
Prescriptions by Drug Schedule vs. Average Days Supply



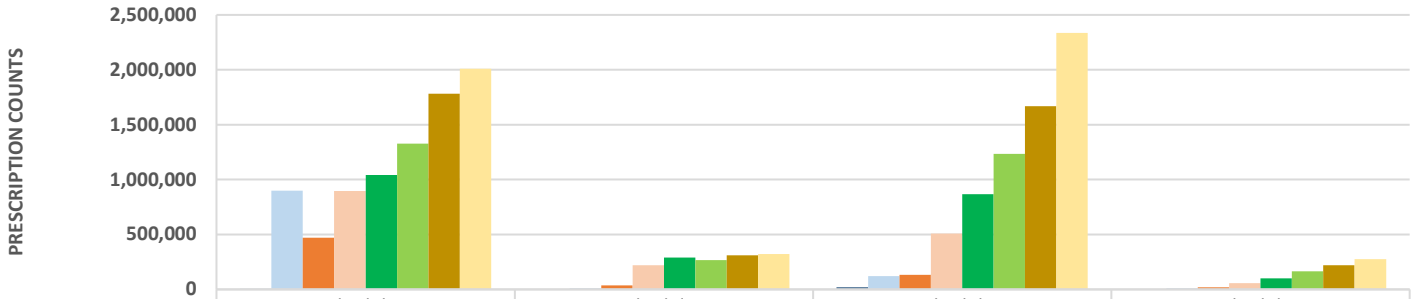
Prescriptions by Drug Schedule Listing

MONTH	SCHEDULE 2	SCHEDULE 3	SCHEDULE 4	SCHEDULE 5
JAN	764,422	129,735	625,411	97,766
FEB	692,692	117,712	563,272	78,792
MAR	763,253	130,515	621,679	79,888
APR	710,323	123,696	586,839	72,926
MAY	744,465	128,829	610,321	68,596
JUN	679,324	119,194	565,981	61,239
JUL	674,745	118,582	568,655	60,641
AUG	709,216	123,638	581,689	61,638
SEP	640,887	110,629	523,139	59,567
OCT	715,489	123,239	575,944	69,227
NOV	681,978	117,314	540,386	67,110
DEC	655,828	115,069	523,507	67,767
TOTAL	**8,432,622**	**1,459,152**	**6,886,823**	**845,157**

Prescription Counts by Payment Type

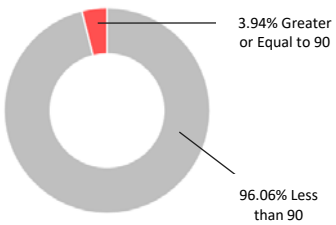


Prescriptions by Drug Schedule and Age

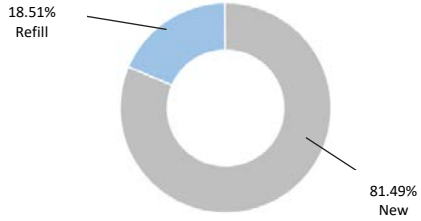
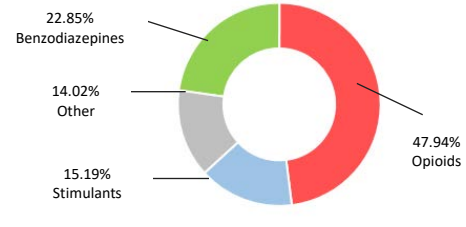


	Schedule 2	Schedule 3	Schedule 4	Schedule 5
Ages 4 and younger	4,875	799	19,452	646
Ages 5 to 17	897,843	10,191	120,017	10,525
Ages 18 to 24	470,788	37,399	134,097	17,924
Ages 25 to 34	896,754	221,156	508,552	56,880
Ages 35 to 44	1,042,600	289,853	867,484	101,730
Ages 45 to 54	1,326,144	267,556	1,235,451	163,350
Ages 55 to 64	1,782,704	310,236	1,667,132	219,168
Ages 65 and older	2,010,914	321,962	2,334,638	274,934

Prescriptions ≥ 90 MME vs. All (%)



New. Vs. Refill Prescriptions (%)



Drug Classification (%)