



2019 MEDICAL MARIJUANA PATIENT REPORT

December 1, 2018 - December 31, 2019

www.medicalmarijuana.ohio.gov

OVERVIEW

House Bill 523, effective on September 8, 2016, legalized medical marijuana in Ohio. The Ohio Medical Marijuana Control Program allows patients with certain medical conditions, upon the recommendation of an Ohio-licensed physician certified by the State Medical Board, to purchase and use medical marijuana.

Three state government agencies are responsible for the operation of Ohio's Medical Marijuana Control Program:

Ohio Department of Commerce

The Ohio Department of Commerce is responsible for overseeing medical marijuana cultivators, processors, and testing laboratories.

State of Ohio Board of Pharmacy

The State of Ohio Board of Pharmacy is responsible for overseeing medical marijuana retail dispensaries, the registration of medical marijuana patients and caregivers, the approval of new forms of medical marijuana, and coordinating the Medical Marijuana Advisory Committee.

State Medical Board of Ohio

The State Medical Board of Ohio is responsible for certifying physicians to recommend medical marijuana and may add to the list of qualifying conditions for which medical marijuana can be recommended.

SUBMISSION OF THIS REPORT

Pursuant to section 4729.85 of the Revised Code, the State of Ohio Board of Pharmacy respectfully submits the following report providing aggregate information on medical marijuana using information submitted to the Board from Ohio licensed dispensaries via the Ohio Automated Rx Reporting System (OARRS).

This report will be disseminated to the Governor, the President of the Senate, the Speaker of the House of Representatives, the Attorney General, the chairpersons of the standing committees of the House of Representatives and the Senate that are primarily responsible for considering health and human services issues, the Department of Public Safety, the State Dental Board, the Board of Nursing, the State Vision Professionals Board, the State Medical Board, and the State Veterinary Medical Licensing Board.

PROGRAM UPDATE: BY THE NUMBERS

The following provides a general overview of the Ohio Medical Marijuana Control Program as of December 31, 2019:

Cultivators

The Ohio Department of Commerce issued the following cultivator licenses:

19 Level I provisional licenses

- 10 Provisional licensees have received Certificates of Operation

13 Level II provisional licenses

- 10 Provisional licensees have received Certificates of Operation

Processors

The Ohio Department of Commerce issued the following processor licenses:

42 Provisional licenses

- 14 Provisional licensees have received Certificates of Operation

Testing Labs

The Ohio Department of Commerce issued the following testing lab licenses:

5 Provisional licenses

- 3 Provisional licensees have received Certificates of Operation

Dispensaries

The State of Ohio Board of Pharmacy issued the following dispensary licenses:

57 Provisional licenses

- 45 Provisional licensees have received Certificates of Operation

Physicians

The State Medical Board of Ohio issued 590 Certificates to Recommend medical marijuana.

Toll-Free Helpline

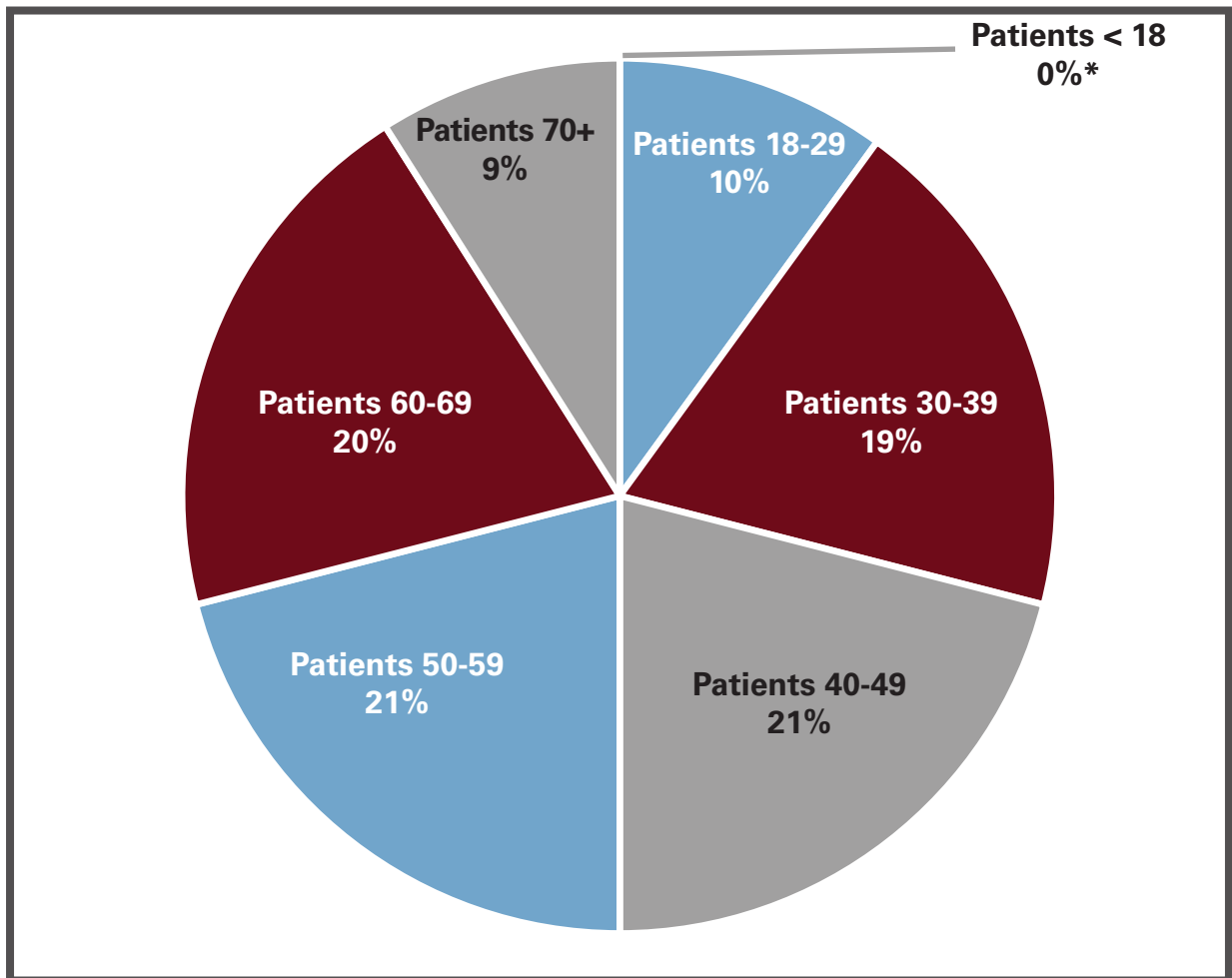
The Board of Pharmacy is responsible for maintaining the toll-free helpline, which the Board launched in June 2018. The toll-free help line responds to inquiries from patients, caregivers, healthcare professionals, and the general public. From the launch in June 2018 through December 2019, the toll-free line has received over 31,000 calls.

PATIENTS & CAREGIVERS

On December 3, 2018, the Board of Pharmacy activated the Ohio Medical Marijuana Control Program Patient and Caregiver Registry. As of December 31, 2019, the registry included:

- 83,857 Recommendations
- 78,376 Registered Patients, including:
 - 5,617 Patients with Veteran Status
 - 4,398 Patients with Indigent Status
 - 449 Patients with a Terminal Diagnosis
- 8,259 Registered Caregivers

Chart 1. Registered Patient Enrollment, 12/2018 to 12/2019, by Age



*As of December 31, 2019, there were 221 patients under the age of 18.

QUALIFYING CONDITIONS

Certified physicians may recommend medical marijuana only for the treatment of a qualifying medical condition. Under Ohio law, all of the following are qualifying medical conditions: AIDS, amyotrophic lateral sclerosis, Alzheimer’s disease, cancer, chronic traumatic encephalopathy, Crohn’s disease, epilepsy or another seizure disorder, fibromyalgia, glaucoma, hepatitis C, inflammatory bowel disease, multiple sclerosis, pain that is either chronic and severe or intractable, Parkinson’s disease, positive status for HIV, post-traumatic stress disorder, sickle cell anemia, spinal cord disease or injury, Tourette syndrome, traumatic brain injury, and ulcerative colitis.

In the table below, there is a breakdown of qualifying conditions for registered patients through December 31, 2019. **Please be advised, some patients are registered with multiple conditions.**

Table 1. Patients by Qualifying Conditions*, 12/2018 - 12/2019

AIDS	104
Alzheimer's Disease	199
Amyotrophic Lateral Sclerosis	93
Cancer	5,830
Chronic Traumatic Encephalopathy	146
Crohn's Disease	1,700
Epilepsy or Another Seizure Disorder	2,600
Fibromyalgia	8,631
Glaucoma	1,364
Hepatitis C	1,706
Inflammatory Bowel Disease	1,034
Multiple Sclerosis	1,840
Parkinson's Disease	732
Pain that is either chronic and severe or intractable	55,980
Positive status for HIV	570
Post-Traumatic Stress Disorder	13,805
Sickle Cell Anemia	88
Spinal Cord Disease or Injury	3,554
Tourette Syndrome	330
Traumatic Brain Injury	1,595
Ulcerative Colitis	901

*Some patients are registered with multiple conditions.

PRODUCT SALES

On January 16, 2019, four Ohio dispensaries began selling medical marijuana to patients and caregivers. By the end of the first day, the dispensaries sold 8.7 pounds of product, which amounted to total sales of \$75,000. By the end of the 2019, 55,617 unique patients had purchased over \$56 million of medical marijuana products.

Table 2. 2019 Product Sales, by Month

Month	Unique Patients*	Total Transactions	Products Sold**
January	1,951	2,505	6,726
February	4,434	6,503	15,168
March	7,013	11,131	25,105
April	9,899	17,970	39,747
May	12,600	23,907	52,045
June	14,600	28,621	59,327
July	16,897	36,094	74,458
August	19,964	47,700	98,219
September	22,217	51,898	106,033
October	26,216	64,129	131,092
November	29,510	74,420	154,299
December	31,584	82,019	167,377
Total	55,617***	446,897	929,596

*Unique patients purchasing medical marijuana products that month.

**Product sold is every unique product purchased by a patient during a single transactions (i.e. a tincture or a package of plant material).

*** Refers to unique patients that purchased medical marijuana in 2019.

PRODUCT SALES

The following forms of medical marijuana are authorized for purchase under Ohio's Medical Marijuana Control Program rules: oils, tinctures, plant material, lotions/creams, edibles, and patches. Plant material was the first product that was available for purchase. Throughout the year, more products became available for purchase as reflected in Table 3.

Table 3. Product Sales, by Type, by Month

Month	Plant*	Oral Admin.	Oil**	Transdermal	Topical	Total Products Sold***	Monthly Days' Supply#
January	6,726	-	-	-	-	6,726	26,658
February	15,168	-	-	-	-	15,168	37,951
March	25,105	-	-	-	-	25,105	61,318
April	37,241	2,506	-	-	-	39,747	94,078
May	46,123	5,217	705	-	-	52,045	121,289
June	49,242	8,457	1,628	-	-	59,327	144,641
July	59,803	11,312	3,284	59	-	74,458	185,337
August	73,896	14,855	7,267	2,201	-	98,219	237,518
September	75,988	17,466	9,983	2,192	404	106,033	272,147
October	88,379	25,585	14,479	1,926	723	131,092	334,701
November	100,125	31,907	19,757	1,667	843	154,299	396,878
December	104,367	33,372	27,105	1,404	1,129	167,377	420,520
Total	682,163	150,677	84,208	9,449	3,099	929,596	2,333,036

*Includes plant products for vaporization.

**Oil products for vaporization.

***Product sold is every unique product purchased by a patient during a single transaction (i.e. a tincture or a package of plant material).

#Monthly days' supply refers to the amount of days' supply purchased by patients that month based upon data reported to OARRS by Ohio dispensaries.

SALES BY COUNTY

The table below provides the days' supply purchased by residents in each Ohio county by the type of product purchased. Days' supply is based upon data reported to OARRS by Ohio dispensaries.

Table 4. 2019 Sales by County, by Product Type, in Days' Supply

County	Plant*	Oral Admin.	Oil**	Transdermal	Topical	Total Days' Supply***
Adams	5,373	379	269	14	3	6,038
Allen	11,561	1,265	526	68	8	13,428
Ashland	5,094	624	293	24	3	6,038
Ashtabula	13,125	1,564	734	74	12	15,509
Athens	10,286	1,720	502	61	16	12,585
Auglaize	9,999	1,064	496	39	13	11,611
Belmont	13,477	1,364	818	135	28	15,822
Brown	7,999	637	410	22	2	9,070
Butler	63,304	8,469	3,992	291	179	76,235
Carroll	3,062	414	137	55	7	3,675
Champaign	7,594	489	313	32	9	8,437
Clark	37,548	3,992	1,683	274	47	43,544
Clermont	44,388	6,045	3,118	256	76	53,883
Clinton	10,889	980	592	65	12	12,538
Columbiana	21,823	2,292	1,044	151	13	25,323
Coshocton	7,798	699	276	58	5	8,836
Crawford	4,278	474	171	29	4	4,956
Cuyahoga	211,541	27,068	9,294	1,248	341	249,492
Darke	3,816	447	156	15	2	4,436
Defiance	1,629	189	64	11	5	1,898
Delaware	29,226	5,516	2,063	241	73	37,119
Erie	11,811	1,934	486	168	42	14,441
Fairfield	25,502	3,367	1,248	190	60	30,367
Fayette	3,825	261	197	22	7	4,312
Franklin	251,412	30,991	11,948	1,519	390	296,260
Fulton	1,493	155	37	3	1	1,689
Gallia	6,345	405	238	3	2	6,993
Geauga	14,830	3,537	770	164	33	19,334
Greene	30,720	4,101	2,009	99	55	36,984
Guernsey	8,696	846	424	45	11	10,022
Hamilton	121,423	17,262	9,060	769	288	148,802
Hancock	4,911	841	178	65	14	6,009
Hardin	2,950	260	117	13	3	3,343
Harrison	3,755	416	194	47	6	4,418

County	Plant*	Oral Admin.	Oil**	Transdermal	Topical	Total Days' Supply***
Henry	1,213	173	43	5	1	1,435
Highland	7,902	586	233	24	6	8,751
Hocking	5,665	560	244	12	3	6,484
Holmes	2,514	279	124	8	0	2,925
Huron	9,237	1,212	289	62	17	10,817
Jackson	8,262	521	242	7	6	9,038
Jefferson	18,281	2,321	1,232	188	43	22,065
Knox	7,705	791	411	54	12	8,973
Lake	52,906	9,365	2,572	529	128	65,500
Lawrence	7,367	654	346	0	6	8,373
Licking	28,337	3,973	1,465	202	72	34,049
Logan	6,028	782	219	48	5	7,082
Lorain	59,747	7,590	2,675	261	107	70,380
Lucas	27,468	3,494	1,005	146	47	32,160
Madison	9,052	967	327	52	11	10,409
Mahoning	57,465	6,704	2,537	327	80	67,113
Marion	7,465	873	383	42	12	8,775
Medina	29,182	3,976	1,407	144	38	34,747
Meigs	3,347	399	169	5	5	3,925
Mercer	3,966	438	219	33	4	4,660
Miami	16,398	1,589	690	44	17	18,738
Monroe	2,228	377	108	31	5	2,749
Montgomery	107,726	13,344	6,472	319	199	128,060
Morgan	1,174	185	112	2	12	1,485
Morrow	5,536	501	248	31	6	6,322
Muskingum	14,316	1,754	661	101	29	16,861
Noble	1,099	119	62	6	0	1,286
Ottawa	5,929	957	298	102	20	7,306
Paulding	278	49	23	4	3	357
Perry	6,287	573	253	28	6	7,147
Pickaway	8,858	1,076	386	29	10	10,359
Pike	4,482	451	209	7	4	5,153
Portage	27,995	4,179	1,306	269	46	33,795
Preble	5,302	485	380	23	8	6,198
Putnam	1,117	262	94	15	3	1,491
Richland	9,567	1,382	394	87	18	11,448
Ross	10,050	1,180	431	16	11	11,688
Sandusky	7,236	668	292	33	6	8,235
Scioto	9,199	880	349	5	11	10,444

County	Plant*	Oral Admin.	Oil**	Transdermal	Topical	Total Days' Supply***
Seneca	6,425	691	224	49	9	7,398
Shelby	6,869	520	243	29	7	7,668
Stark	71,415	9,168	3,558	652	94	84,887
Summit	86,853	12,920	4,385	691	160	105,009
Trumbull	58,705	5,390	1,965	225	47	66,332
Tuscarawas	19,609	3,210	803	185	25	23,832
Union	7,591	1,139	363	95	8	9,196
Van Wert	2,109	326	83	15	9	2,542
Vinton	2,731	163	84	0	3	2,981
Warren	43,410	6,867	3,511	294	94	54,176
Washington	14,436	2,016	749	141	15	17,357
Wayne	14,702	2,144	767	179	24	17,816
Williams	414	59	8	1	2	484
Wood	9,107	1,656	471	86	38	11,358
Wyandot	1,289	188	55	4	1	1,537

*Includes plant products for vaporization.

**Oil products for vaporization.

***Total days' supply does not include a small subset of patients where county of residence could not be identified (i.e. using an out-of-state photo identification card to register, as the patient may reside in Ohio as well as another state). These individuals are captured in the monthly days' supply statistics in Table 4 (page 6).

PRODUCT BY TYPE

The Board of Pharmacy is responsible for reviewing and assigning product identifiers for medical marijuana products. A product identifier is utilized to ensure compliance with statutory requirements. The table below includes the number of products assigned an identifier in 2019.

Table 5. Product Identifiers Assigned in 2019, by Product Type

Forms	IDs Assigned
Tier I plant material	1,445
Tier II plant material	320
Edible for oral administration	88
Metered oil for vaporization	76
Transdermal patches	27
Tinctures	16
Capsules	2
Oil for oral administration	1

THC CONTENT

Ohio law (ORC 3796.04) requires the State of Ohio Board of Pharmacy to develop a maximum ninety-day supply of medical marijuana that may be possessed by a patient. The table below outlines the 90-day supply of medical marijuana based on THC content.

Table 6. 90-Day Supply Based on THC content

Form	90-Day Supply
Tier I plant material (up to 23% THC)	8 ounces of plant material; 10 ounces for terminal exception
Tier II plant material (over 23% THC)	5.3 ounces of plant material; 6.6 ounces for terminal exception
Oils for vaporizing	53.1 grams of THC; 65.7 grams for terminal exception
Patches for transdermal administration	26.6 grams of THC; 33.3 grams for terminal exception
Edibles, oils, and tinctures for oral administration	9.9 grams of THC; 11.7 grams for terminal exception



The Ohio Medical Marijuana Control Program is committed to operating a program that ensures the safety of the public and access to a safe medical product.

For more information on the program, visit:

www.medicalmarijuana.ohio.gov

The Ohio Medical Marijuana Control Program Toll-Free Helpline responds to inquiries from patients, caregivers, and healthcare professionals regarding adverse reactions to medical marijuana and provides information about available services. To contact the helpline, please dial: **1-833-4OH-MMCP (1-833-464-6627)**