

Physician Certification Pattern Review

2024 Annual Report

July 1, 2022 - June 30, 2023

Physician Certification Pattern Review Panel

Florida Board of Medicine

Florida Board of Osteopathic Medicine





Board of Medicine and Board of Osteopathic Medicine Physician Certification Pattern Review 2024 Annual Report



Section 381.986(4)(j), Florida Statutes (F.S.), directs the Board of Medicine and the Board of Osteopathic Medicine to “jointly create a physician certification pattern review panel that shall review all physician certifications submitted to the Medical Marijuana Use Registry.” The Physician Certification Pattern Review Panel (Panel) shall track and report the number of physician certifications and the qualifying medical conditions, dosage, supply amount and form of marijuana certified. These data shall be reported both by individual qualified physician and in the aggregate, by county and statewide.

The Panel is responsible for reporting its findings and recommendations by January 1 of each year to the Governor, the President of the Senate, and the Speaker of the House of Representatives. This report analyzes data from July 1, 2022, through June 30, 2023.

Physician Certification Pattern Review Panel

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This report provides a summary of the data for Fiscal Year 2023 (FY) (the 2024 Annual Report). In November of 2021, the Panel requested that the data cycle dates for the annual report be changed to align with the fiscal year for future reports. Comparisons between the data from FYs 2021, 2022 and 2023 were made. All physician certification data was extracted from the Medical Marijuana Use Registry (MMUR). Physician licensure information was extracted from the Division of Medical Quality Assurance (MQA) Licensure Database.

1. **FY 2021 Data:** 12 months of data, July 1, 2020, through June 30, 2021.
2. **FY 2022 Data:** 12 months of data, July 1, 2021, through June 30, 2022.
3. **FY 2023 (2024 Annual Report):** 12 months of data, July 1, 2022, through June 30, 2023.

Overview of the 2024 Annual Report Contents

Date Range for 2024 Annual Report Data


July 1, 2022, through June 30, 2023


Purpose of the Panel

The Panel reviews physician certification patterns and produces an annual report. These findings are reported to the Governor, the President of the Senate and the Speaker of the House of Representatives by January 1 of each year, pursuant to section 381.986(4)(j), F.S.

Highlights of Trends in Physician Certifications

1. Based upon a review of the data for FYs 2021, 2022 and 2023, the data have reflected a steady increase in the number of physician certifications, physician certifications containing at least one order for smoking as a route of administration, the distinct number of qualified patients with certifications and the number of qualified physicians.

 Physician certifications: 921,464 to 1,142,172 to 1,315,123.

 Certifications with smoke order(s): 860,291 to 1,089,072 to 1,266,276.

 Qualified patients with certifications: 607,220 to 757,600 to 859,026.

 Qualified physicians with certifications: 1,656 to 1,725 to 1,742.

2. The greatest number of certifications were issued by a small percentage of qualified physicians. This ratio has been increasing as a small percentage of physicians continues to see more patients and more patients continue with subsequent certifications each fiscal year.

2021: 80% of certifications were issued by 15% of qualified physicians; 1,000 + certifications each.
1% of certifications were issued by 45% of qualified physicians; 1-49 certifications each.

2022: 83% of certifications were issued by 17% of qualified physicians; 1,000 + certifications each.
1% of certifications were issued by 43% of qualified physicians; 1-49 certifications each.

2023: 84% of certifications were issued by 19% of qualified physicians; 1,000 + certifications each.
1% of certifications were issued by 40% of qualified physicians; 1-49 certifications each.

3. The ordered average daily dose (mg) has shifted each year. This year, using a geometric mean calculation, daily dose amounts have decreased across all routes of administration for both low-THC cannabis and medical marijuana due to the implementation of Emergency Rule 64ER22-8, which set daily dosing limits for each allowable form of marijuana. Smoking as an appropriate route of administration remains consistently at the top of the limit allowed under Florida law, 2.5 oz. per order period. See page 5 for more information on the daily dosing limits and the exemptions available.

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I. General Process for Medical Marijuana Certifications

1. Requirements for Qualified Physicians

Physicians qualify to recommend medical marijuana if they hold an active and unrestricted license as an allopathic physician under Chapter 458, F.S., or an osteopathic physician under Chapter 459, F.S., and successfully complete an approved 2-hour Continuing Medical Education course and examination. The physician must complete the course before each biennial license renewal deadline to retain this distinction. All Florida-licensed physicians must provide information for a primary practice location. However, physicians may self-report as “Not Practicing,” maintain an active license, and not provide a primary practice location. See Table 1.

Table 1. Total number of Florida-licensed physicians qualified to certify patients for medical marijuana.

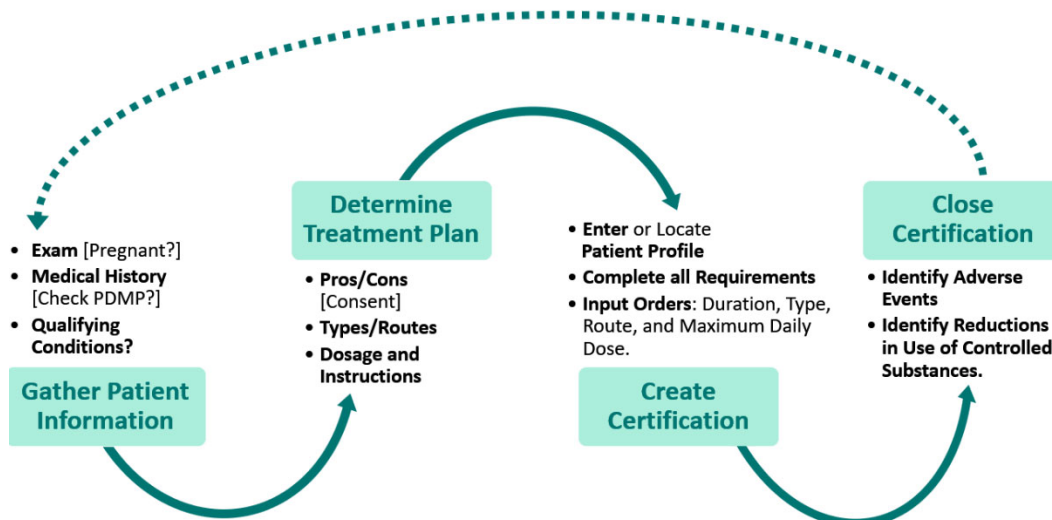
Reported Physician Practice Location Address	FY 2021 ¹	FY 2022 ¹	FY 2023 ¹
In a Florida County	2,299	2,038	2,198
Not Practicing	32	25	28
Out of State	98	81	86

¹ Data cycle is July – June prior to January 1st publication date. See page i.

2. Requirements to Issue a Physician Certification

Figure 1 illustrates the general process to issue a physician certification. As of June 30, 2023, a physician certification can be issued only if the qualified physician conducted a physical examination while physically present in the same room as the patient; completed a full assessment of the patient’s medical history; reviewed the Prescription Drug Monitoring Program (PDMP) database; and diagnosed the patient with at least one qualifying medical condition. Qualified physicians are responsible for the determination that the medical use of marijuana would likely outweigh the potential health risks for the patient. Physicians must complete the medical consent form and, when appropriate, submit required documentation as part of the certification process. See section 381.986(4)(a–g), F.S.

Figure 1. General process for determining if medical marijuana is an appropriate patient treatment.



Physicians must submit required documentation and maintain up-to-date certification information in the MMUR. When closing a certification, physicians must note adverse events or reductions in use of other controlled substances. To continue to use medical marijuana as a treatment for the patient’s medical condition(s), physicians and patients must complete the entire process as a new certification.

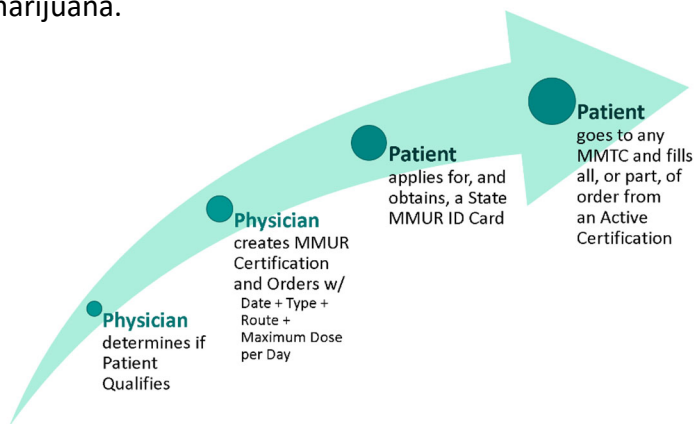
3. Requirements for Patients to Obtain Medical Marijuana

Figure 2 illustrates the general process for patients to obtain medical marijuana. Once a qualified physician determines that the medical use of marijuana would likely outweigh the potential health risks for the patient, a certification is created for the patient. Certifications contain orders with a maximum duration of 35 to 70 days depending on route of administration (Edibles, Inhalation, Oral, Smoking, Sublingual, Suppository, or Topical).

Current certifications have a maximum duration of 210 days, or three consecutive 70-day orders (six consecutive 35-day orders for marijuana in a form for smoking). Patients are allowed one current (active) certification and one pending (future) certification. Each order has a start and end date. Physicians can modify current orders.

Once a physician certification has been issued, first-time qualified patients must obtain a Florida Medical Marijuana identification (ID) card. If medical marijuana as a treatment for the patient’s medical condition is continued, the card must be renewed every 12 months. Orders can be filled at any medical marijuana treatment center (MMTC) in Florida.

Figure 2. General process for Florida residents who are interested in obtaining certifications for medical marijuana.



4. Reporting Physician Certification Data

- Physician certification data for this report were pulled directly from the MMUR rather than vendor-generated reports used previously. This investment toward internal control of data gives the Office of Medical Marijuana Use (OMMU) more support for its Quality Assurance team, a critical feature in live data systems. Increased data access will allow rapid reporting by developing dashboards.
- Physician primary practice locations (addresses physicians provide in the Practitioner Profile) are taken from the MQA licensure database.
- Section 381.986(4)(j), F.S., requires the Panel to report physician certification data “both by individual qualified physician and in the aggregate, by county and statewide.” Please see the separate document, “Data Tables for Physician Certification Pattern Review, 2024 Annual Report.”

II. Trends in Physician Certifications

Table 2 and Figure 3 show the growth in number of physician certifications, individual patients and qualified physicians. Patient counts reflect distinct counts, though patients may have more than one certification in each time period.

Table 2: Growth in physician certifications for medical marijuana use.

	FY 2021	FY 2022	FY 2023	Percent Change FY 2022 to FY 2023
Certifications	921,464	1,142,172	1,315,123	15% ↑
Individual Patients	607,220	757,600	859,026	13% ↑
Qualified Physicians with Certifications	1,656	1,725	1,742	1% ↑
All Qualified Physicians	2,429	2,144	2,312	8% ↑

Figure 3. Number of physician certifications and distinct patient counts in FY 2021, FY 2022 and FY 2023.

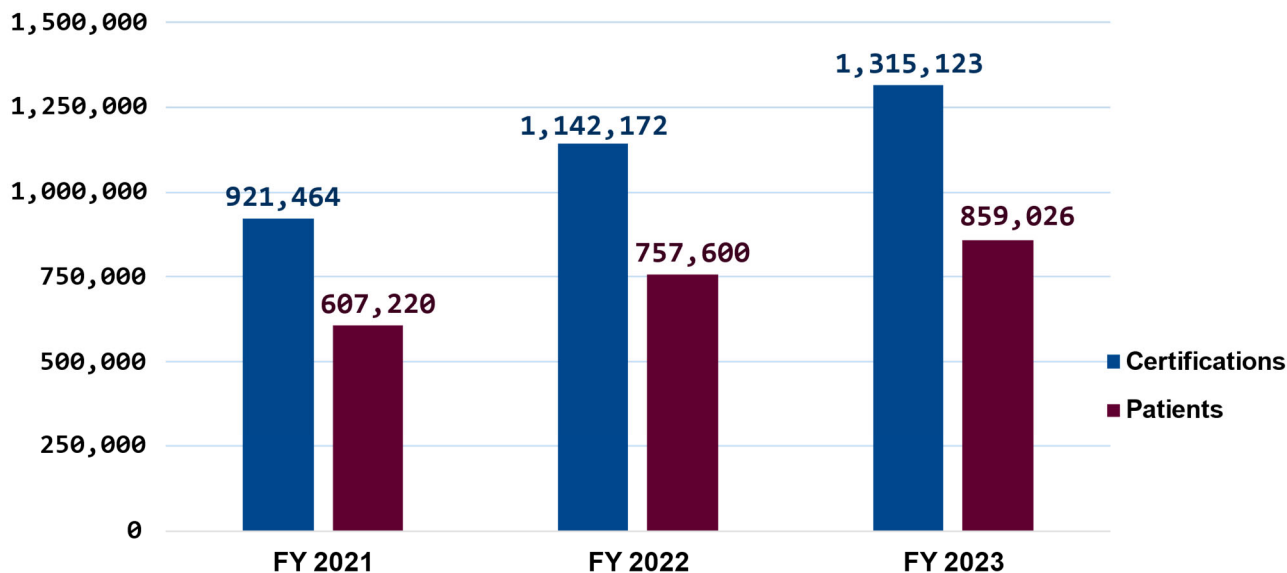


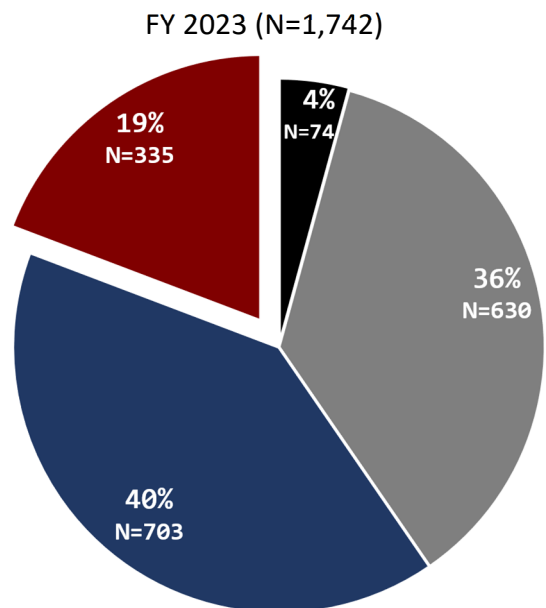
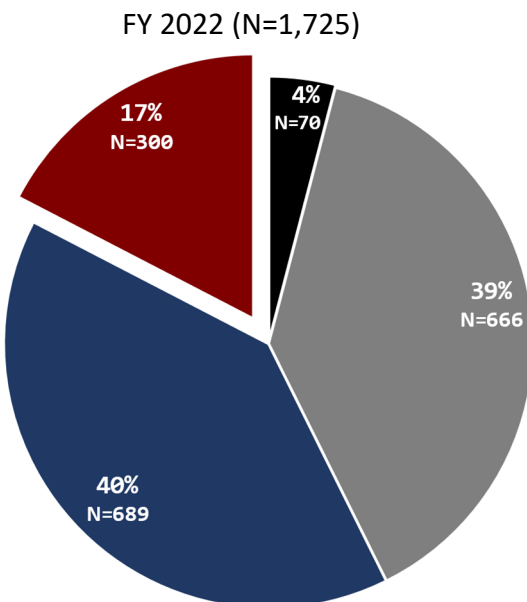
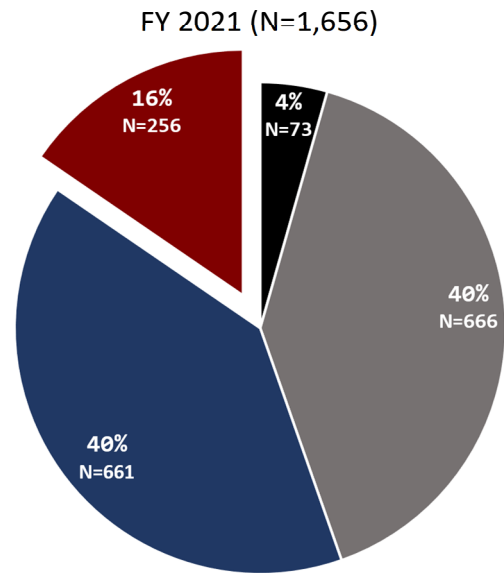
Table 3 provides information on how certification counts can vary by qualified physician. Only qualified physicians who have issued physician certifications during the time periods for the three data sets are included. The number of certifications has increased more than the number of qualified physicians issuing certifications, as can be seen in the average number of certifications per physician and the range in number of certifications per physician. This is illustrated in the three pie charts in Figure 4 and Figure 5.

Table 3: Number of certifications in each data set.

	FY 2021	FY 2022	FY 2023
All Certifications	921,464	1,142,172	1,315,123
Average number of certifications per physician	556	662	755
Range in number of certifications per physician	1 to 25,033	1 to 32,686	1 to 34,383
Median	66	76	87
Mode	1	1	1
Individual Patients	607,220	757,600	859,026

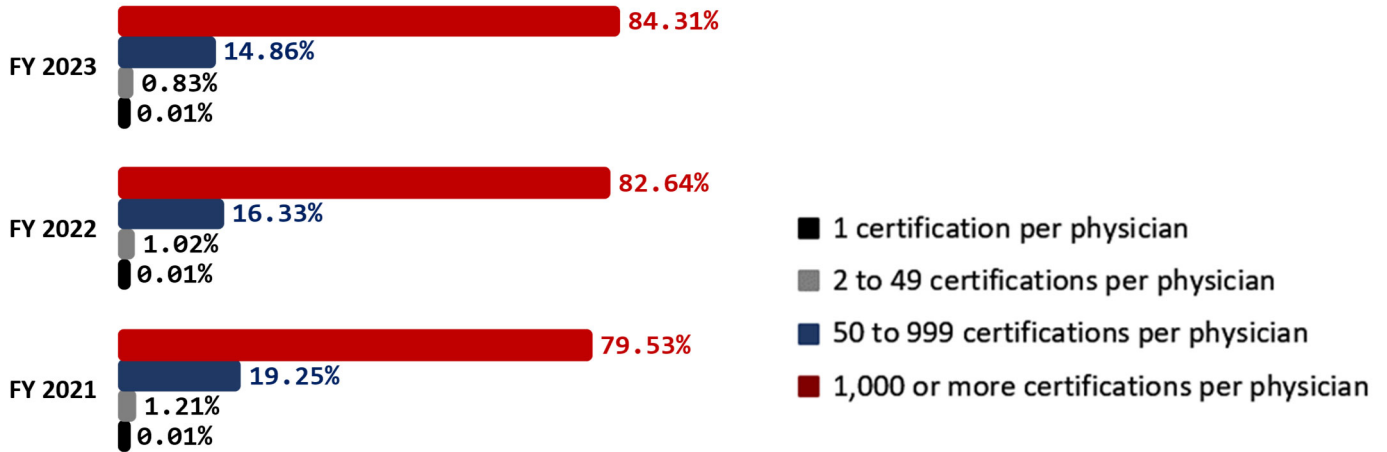
Figure 4. Trends in the percentage of physicians whose total number of certifications fall into one of four groups. Percentages are based on the number of physicians in each group divided by the total number of physicians in that data set.

- 1 certification per physician
- 2 to 49 certifications per physician
- 50 to 999 certifications per physician
- 1,000 or more certifications per physician



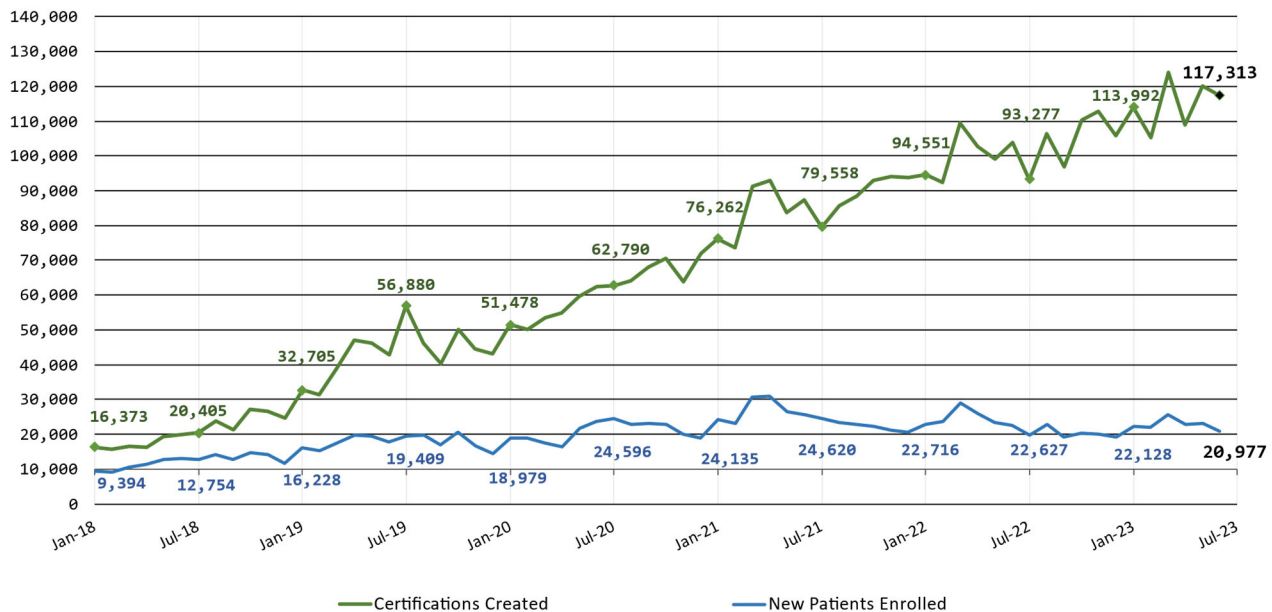
Physician Certification Pattern Review, 2024 Annual Report

Figure 5. Percentage of certifications issued by physicians in each of the four groups. For example, in FY 2023, 0.01% of certifications issued were from physicians (N=74) who issued only one certification and 84% of certifications issued were from physicians (N=335) who issued 1,000 or more certifications. Physician counts in each group are in Figure 4.



Two changes occurred during the past three reporting periods. First, edibles as a route of administration became available on August 27, 2020, when the Department of Health issued production standards. Second, Emergency Rule 64ER22-8, effective August 26, 2022, implemented section 381.986(4)(f), F.S., by quantifying a daily dose amount with equivalent dose amounts for each allowable form of marijuana dispensed by a medical marijuana treatment center. This rule also established submission procedures of a request for an exception to the daily dose amount limit, the 35-day supply limit of marijuana in a form for smoking, and the 4-ounce possession limit of marijuana in a form for smoking. See Figure 6.

Figure 6. Month and year count for certifications created and newly enrolled patients (no previous certifications) from January 1, 2018, through June 30, 2023. Point values for January and July are shown for each line. The June 2023 values are in black.



III. Trends in Patient Qualifying Condition

Physicians are required to determine that a patient’s medical condition meets one of the qualifying conditions listed in section 381.986(2), F.S. The list is included in Table 4. Patients may have more than one qualifying condition recorded in the MMUR by a qualified physician and more than one certification.

Table 4: Trends in the total number and percentage of qualifying conditions reported in each data set. Conditions listed in **bold font** are the top three qualifying conditions reported by physicians.

Qualifying Condition	FY 2021		FY 2022		FY 2023	
	Number	Percent ²	Number	Percent ²	Number	Percent ²
(a) Cancer	59,999	3.8%	66,457	3.8%	71,876	3.6%
(b) Epilepsy	19,154	1.2%	16,921	1.0%	18,631	0.9%
(c) Glaucoma	13,072	0.8%	15,069	0.9%	16,178	0.8%
(d) Positive status for human immunodeficiency virus (HIV)	9,203	0.6%	8,833	0.5%	9,125	0.5%
(e) Acquired immune deficiency syndrome (AIDS)	2,051	0.1%	1,963	0.1%	1,953	0.1%
(f) Post-traumatic stress disorder (PTSD)	607,004	38.6%	695,592	39.4%	809,425	40.2%
(g) Amyotrophic lateral sclerosis (ALS)	12,153	0.8%	3,997	0.2%	4,861	0.2%
(h) Crohn’s disease	29,649	1.9%	32,965	1.9%	32,368	1.6%
(i) Parkinson’s disease	8,945	0.6%	7,285	0.4%	7,388	0.4%
(j) Multiple sclerosis (MS)	184,113	11.7%	160,218	9.1%	177,791	8.8%
(k) Medical conditions of the same kind or class as or comparable to those enumerated in paragraphs (a)–(j)¹	412,835	26.2%	508,124	28.8%	590,239	29.3%
(l) A terminal condition diagnosed by a physician other than the qualified physician issuing the physician certification	3,494	0.2%	3,292	0.2%	2,923	0.1%
(m) Chronic nonmalignant pain	212,507	13.5%	244,899	13.9%	269,918	13.4%
Total qualifying conditions reported:	1,574,179		1,765,615		2,012,676	
Total number of certifications:	921,464		1,142,172		1,315,123	
Total number of individual patients:	607,220		757,600		859,026	

¹ Physicians are required to provide information on certifications under qualifying condition (k) same kind or class.

² Percent of total qualifying conditions reported.

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In September 2020, the Panel requested information on the top five medical conditions qualified physicians recorded most often in the MMUR under qualifying condition (k). In November 2020, the Panel asked for more detail on the medical conditions of patients certified under qualifying condition (f) PTSD.

Data for Tables 5, 6 and 7 are physician entries to the MMUR under qualifying condition (k). These data were collected separately from the data in previous tables and will vary slightly. For live data systems like the MMUR, each download is a snapshot in time; small differences in the data are expected. Data submitted using a paper copy of Form DH-MQA-5027 (rev. 02/2018) are not included.

Table 5. Patient medical conditions¹ reported by physicians for 1% or more of patients certified as qualifying condition (k) “medical conditions of the same kind or class as...” in FY 2023.

Patient medical conditions by category using the World Health Organization’s International Statistical Classification of Diseases and Related Health Problems	FY 2023	
	Number	Percent ²
1. One form of “anxiety” (e.g., generalized anxiety disorder, depression, insomnia, panic attacks, sleep disorders).	207,991	44%
2. One or more symptoms, diseases, or disorders for “chronic pain from neuro or muscular degeneration or injury” (e.g., cervical or lumbar pain, degenerative disc/joint disease, muscle spasms, myopathic encephalopathy, restless leg syndrome, rheumatoid/osteoarthritis).	108,223	23%
3. Only “chronic pain” or “pain” reported.	44,072	9%
4. One or more forms of “anxiety” AND one or more forms of “chronic pain from neuro or muscular degeneration or injury.”	29,768	6%
5. Two or more forms of “anxiety” as listed.	34,252	7%
Others with 1,421 or less: digestive, respiratory, infectious disease, circulatory, genitourinary, genetic, skin and connective tissue, ophthalmological.	26,986	6%
Unable to determine	25,064	5%
Number of medical conditions reported:	476,356	
Number of qualifying condition (k) certifications:	590,239	
Number of distinct patients in this table:	326,658	
Number of physicians in this table:	739	

¹ Patients may have multiple certifications and one to five medical conditions.

² Percent of total number of medical conditions reported.

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In the MMUR, all certifications using qualifying condition, (k) “Medical conditions of the same kind or class [SKC] as or comparable to those enumerated in paragraphs (a)–(j),” require identification of one or more qualifying conditions (a)–(j) the physician identifies as a match to the patient’s medical condition(s).

Because a patient’s certification may include multiple medical conditions, and/or multiple matches to qualifying conditions (a)–(j), the records were sorted to review only those certifications with *one other qualifying condition (a)–(j)*.

In this reporting period, 69% (407,125 of 590,239) certifications met these conditions. See Table 6.

Table 6: Number and percentage of times each qualifying condition (a)–(j) was identified as being the “same kind, or class” as the patient’s medical condition. Conditions listed in **bold font** are the top three reported by physicians.

Qualifying Condition ¹	FY 2023	
	Number	Percent ²
(a) Cancer	3,566	0.88%
(b) Epilepsy	6,157	1.5%
(c) Glaucoma	426	0.1%
(d) Positive status for human immunodeficiency virus (HIV)	1,444	0.4%
(e) Acquired immune deficiency syndrome (AIDS)	165	0.04%
(f) Post-traumatic stress disorder (PTSD)	258,707	63.5%
(g) Amyotrophic lateral sclerosis (ALS)	1,657	0.4%
(h) Crohn’s disease	11,952	2.9%
(i) Parkinson’s disease	2,270	0.6%
(j) Multiple sclerosis (MS)	120,781	29.7%
Total <i>single</i> qualifying condition reported:		407,125
Number of distinct patients in this table:		299,767
Number of physicians in this table:		728

¹ Qualifying condition (k) patient medical condition(s) may align with more than one qualifying condition, only certifications with one (a)–(j) qualifying condition noted are shown here.

² Percent of total number of single qualifying conditions reported.

Table 7 provides an expansion of SKC data requested by the Panel in the 2021 recommendations to staff. The Panel was specifically interested in patient medical conditions physicians identified in certifications that identified qualifying condition (f) PTSD as being the same kind or class or as comparable to the patient medical condition.

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There were 300,950 medical conditions reported in 285,518 certifications for 216,908 patients by 658 physicians that met the Panel’s request. Medical conditions reported by physicians for 1% or more of patients with qualifying condition (k) certifications were grouped into six categories.

Table 7: Number and percentage of patient medical conditions physicians reported as being the “same kind, or class” as qualifying condition (f) PTSD under qualifying condition (k) requirements between July 1, 2022, through June 30, 2023. Medical conditions listed under qualifying condition (k) certifications that do not use (f) PTSD are provided for comparison.

Patient medical conditions ¹ by category using the World Health Organization’s International Statistical Classification of Diseases and Related Health Problems	FY 2023			
	Listed PTSD		No PTSD listed	
	Number	Percent ²	Number	Percent ²
1. One form of “anxiety” (e.g., generalized anxiety disorder, depression, insomnia, panic attacks, sleep disorders).	205,734	68.4%	2,257	1.3%
2. Two or more forms of “anxiety” as listed.	34,100	11.3%	152	0.1%
3. One or more forms of “anxiety” AND one or more forms of “chronic pain from neuro or muscular degeneration or injury.”	25,344	8.4%	4,424	2.5%
4. Only “chronic pain” or “pain” reported.	10,729	3.6%	33,343	19.0%
5. One or more symptoms, diseases, or disorders for “chronic pain from neuro or muscular degeneration or injury” (e.g., cervical or lumbar pain, degenerative disc/joint disease, muscle spasms, myopathic encephalopathy, restless leg syndrome, rheumatoid/osteoarthritis).	2,855	0.9%	105,368	60.1%
6. Digestive (e.g., abdominal pain, anorexia, loss of appetite, celiac disease, colitis, diabetes, diverticulitis, irritable bowel syndrome, nausea, pancreatitis, vomiting, wasting syndrome)	3,664	1.2%	9,912	5.7%
Combined total for medical conditions identified 647 times¹ or less: autoimmune, circulatory, genetic, genitourinary, infectious disease, ophthalmological, respiratory, and/or skin and connective tissue.	3,254	1.1%	10,156	5.8%
Unable to determine	15,269	5.1%	9,974	5.6%
Number of medical conditions:	300,950		175,406	
Number of distinct patients:	216,908		118,258	

¹ Patients may have multiple certifications and one to five medical conditions.

² Percent of total medical conditions reported.

IV. Trends in Orders by Type, Route, and Average Daily Dose

Data in this section refer to the total number of orders across all certifications, or to the geometric mean of the daily dose ordered per physician by route and type. Within each certification, the number of orders and the maximum daily dose in milligrams per day (mg) for any order, route or type, can vary.

Tables 8 and 9 provide the total number of orders by type and route for all certifications between July 1, 2020, and June 30, 2023. The growing number of certifications increases the number of orders. Edible and Inhalation order counts have increased more rapidly than other routes of administration.

Table 8: Total number of orders for low-THC cannabis, by route, in all certifications in each data set. Edibles as a route of administration became available August 27, 2020.

Route	FY 2021	FY 2022	FY 2023	Percent Change FY 2022 to FY 2023
Edibles	2,257,090	3,226,136	3,618,148	12% ↑
Inhalation	2,512,034	3,224,199	3,620,983	12% ↑
Oral	2,546,474	3,234,702	3,539,508	9% ↑
Sublingual	2,119,418	3,143,905	3,274,318	4% ↑
Suppository	300,903	472,315	230,075	51% ↓
Topical	2,455,131	3,167,278	3,326,417	5% ↑

Table 9: Total number of orders for medical marijuana, by route, in all certifications in each data set. Edibles as a route of administration became available August 27, 2020.

Route	FY 2021	FY 2022	FY 2023	Percent Change FY 2022 to FY 2023
Edibles	2,356,750	3,308,693	3,732,916	13% ↑
Inhalation	2,620,144	3,297,212	3,761,694	14% ↑
Oral	2,615,992	3,298,967	3,537,798	7% ↑
Sublingual	2,200,278	3,207,690	3,093,701	4% ↓
Suppository	309,768	475,743	142,476	70% ↓
Topical	2,530,751	3,232,525	3,193,720	1% ↓

Tables 10 and 11 show the statewide average of the physician’s average daily dose ordered in milligrams per day (mg) for six routes of low-THC cannabis and medical marijuana. With three full years of data, changes in trends were noted in the average daily dose amounts ordered.

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On August 26, 2022, Emergency Rule 64ER22-8 went into effect, implementing section 381.986(4)(f), F.S., by quantifying a daily dose amount with equivalent dose amounts for each allowable form of marijuana dispensed by a medical marijuana treatment center. This rule also establishes submission procedures of a request for an exception to the daily dose amount limit, the 35-day supply limit of marijuana in a form for smoking, and the 4-ounce possession limit of marijuana in a form for smoking.

Comparing the FY 2022 data with the FY 2023 data, *and including outlier* amounts, low-THC cannabis average daily dose amounts ordered have decreased for all routes of administration. Edibles decreased by 54%, Inhalation by 15%, Oral by 46%, Sublingual by 51%, Suppository by 22%, and Topical by 53%.

The FY 2022 data and FY 2023 data comparison of medical marijuana average daily dose amounts ordered, *including outlier* amounts, similarly showed a decrease across all routes. The Edibles route decreased by 70%, Inhalation by 19%, Oral by 64%, Sublingual by 71%, Suppository by 48%, and Topical by 75%.

In order to retain all data observations and make comparisons without skewing caused by outlier amounts, the data presented here uses a geometric mean (GeoMean) calculation. A geometric mean uses all data observations to create a mean closer to the median. See the “Terms and Definitions” section for more detail on geometric mean calculations and outliers.

Table 10: Statewide geometric mean daily dose (mg) for low-THC cannabis, in Edibles, Inhalation and Oral forms, in each data set. Edibles as a route of administration became available August 27, 2020. Number of physicians with orders in each year is included in brackets.

Low-THC	Edibles			Inhalation			Oral		
	FY 2021 [1,423]	FY 2022 [1,553]	FY 2023 [1,594]	FY 2021 [1,451]	FY 2022 [1,501]	FY 2023 [1,532]	FY 2021 [1,500]	FY 2022 [1,560]	FY 2023 [1,584]
GeoMean	179	192	88	212	226	193	189	203	109
Max ¹	1,000,000	1,000,000	300,300	1,000,000	1,000,000	700,250	1,000,000	1,000,000	400,400
Min ¹	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Median ¹	200	200	60	200	200	200	200	200	100
Mode ¹	200	200	50	200	200	200	200	200	200

¹Numbers changed from previous reports where the Max, Min, Median and Mode to reflect all ordered amounts. (Descriptive counts were previously taken from the average of all ordered amounts.)

Table 11: Statewide geometric mean daily dose (mg) for Low-THC cannabis, in Sublingual, Suppository and Topical forms, in each data set. The number of physicians with orders in each year is included in brackets.

Low-THC	Sublingual			Suppository			Topical		
	FY 2021 [1,435]	FY 2022 [1,514]	FY 2023 [1,524]	FY 2021 [682]	FY 2022 [791]	FY 2023 [690]	FY 2021 [1,415]	FY 2022 [1,508]	FY 2023 [1,512]
GeoMean	177	191	93	205	228	179	159	177	83
Max ¹	1,000,000	1,000,000	450,450	1,000,000	1,000,000	420,420	1,000,000	1,000,000	500,500
Min ¹	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Median ¹	200	200	100	200	222	200	200	200	100
Mode ¹	200	200	200	200	200	300	200	200	200

¹Numbers changed from previous reports where the Max, Min, Median and Mode to reflect all ordered amounts. (Descriptive counts were previously taken from the average of all ordered amounts.)

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Table 12: Statewide average daily dose (mg) from all physician’s average daily dose for medical marijuana, in Edibles, Inhalation and Oral forms, in each data set. Edibles as a route of administration became available August 27, 2020. The number of physicians with orders in each year is included in brackets.

Medical Marijuana	Edibles			Inhalation			Oral		
	FY 2021 [1,553]	FY 2022 [1,689]	FY 2023 [1,710]	FY 2021 [1,599]	FY 2022 [1,674]	FY 2023 [1,680]	FY 2021 [1,601]	FY 2022 [1,667]	FY 2023 [1,681]
GeoMean	176	193	58	227	248	202	196	214	78
Max ¹	1,000,000	1,000,000	600,600	1,000,000	1,000,000	500,300	1,000,000	1,000,000	420,420
Min ¹	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Median ¹	200	200	50	200	250	200	200	200	70
Mode ¹	200	200	60	200	200	200	200	200	50

¹Numbers changed from previous reports where the Max, Min, Median and Mode to reflect all ordered amounts. (Descriptive counts were previously taken from the average of all ordered amounts.)

Table 13: Statewide average daily dose (mg) from all physician’s average daily dose for medical marijuana, in Sublingual, Suppository and Topical forms, in each data set. The number of physicians with orders in each year is included in brackets.

Medical Marijuana	Sublingual			Suppository			Topical		
	FY 2021 [1,528]	FY 2022 [1,608]	FY 2023 [1,627]	FY 2021 [762]	FY 2022 [884]	FY 2023 [746]	FY 2021 [1,500]	FY 2022 [1,597]	FY 2023 [1,610]
GeoMean	178	198	57	207	233	120	157	182	45
Max ¹	1,000,000	1,000,000	444,444	1,000,000	1,000,000	25,000	1,000,000	1,000,000	400,400
Min ¹	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Median ¹	200	200	50	200	250	200	200	200	40
Mode ¹	200	200	50	200	200	200	200	200	50

¹Numbers changed from previous reports where the Max, Min, Median and Mode to reflect all ordered amounts. (Descriptive counts were previously taken from the average of all ordered amounts.)

V. Top Five Physicians by Reporting Measures

The following tables provide information on the top five physicians in each data set and include:

1. Number of certifications.
2. The number and physician’s percentage of the top three qualifying conditions: (f) PTSD, (k) Medical Conditions of the Same Kind or Class as or Comparable to those enumerated in paragraphs (a)–(j), and (m) Chronic Nonmalignant Pain. Physician Specialty Area as provided in the Practitioner Profile in the MQA Licensure Database is included, if available.
3. The highest average maximum daily dose in milligrams per day (mg) by type and route.

Note:

1. Per Florida law, allopathic and osteopathic physicians are not required to include or update specialties in the Practitioner Profile. Specialty information in Tables 15, 16, 17, 34, 35 and 36 is as of July 5, 2023, and may not reflect current information.
2. Physician license numbers in this section have been de-identified with a unique identifier (UID).
3. Patients may have more than one qualifying condition in a single certification, and more than one certification in a reporting period.

1. Physicians with the Highest Number of Certifications

Table 14: Top five physicians with the highest number of certifications in each data set.

FY 2021			FY 2022			FY 2023		
UID	Number of Certifications	Number of Patients	UID	Number of Certifications	Number of Patients	UID	Number of Certifications	Number of Patients
AY	25,033	9,905	AY	32,686	12,496	AY	34,383	12,499
AZ	15,806	9,711	BA	17,677	11,820	BA	19,679	12,956
BA	15,516	10,742	EH	15,735	12,746	DY	16,892	10,913
DL	9,841	6,978	DL	14,918	13,374	DL	15,369	10,956
CY	9,521	6,456	DW	13,677	10,839	EX	14,892	11,425

Table 15: Top five physicians with the highest number of certifications including “Qualifying Condition (f) PTSD.”

	FY 2021	FY 2022	FY 2023
Range in Total Number of Certifications	7,815 to 25,033	10,060 to 32,686	14,892 to 34,383
Range in Percentage of Physician’s Certifications including (f) PTSD	75% to 98%	73% to 99%	73% to 98%
Physician Specialty Area¹	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Radiology-Diagnostic • Hospice and Palliative Medicine • Not Listed 	<ul style="list-style-type: none"> • Radiation Oncology • Pediatrics • Family Medicine • Not Listed 	<ul style="list-style-type: none"> • Family Medicine • Diagnostic Radiology • Pediatrics • Not Listed

¹ Reference notes on page 13.

Table 16: Top five physicians with the highest number of certifications including “Qualifying Condition (k) Medical Conditions of the Same Kind or Class.”

	FY 2021	FY 2022	FY 2023
Range in Total Number of Certifications	7,024 to 25,033	9,348 to 32,686	6,852 to 19,679
Range in Percentage of Physician’s Certifications including (k) Same Kind or Class	34% to 78%	17% to 80%	44% to 82%
Physician Specialty Area¹	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Radiology-Diagnostic • Hospice and Palliative Medicine • Not Listed 	<ul style="list-style-type: none"> • Radiation Oncology • Pediatrics • Family Medicine • Not Listed 	<ul style="list-style-type: none"> • Radiation Oncology • Pediatrics • Family Medicine • Not Listed

¹ Reference notes on page 13.

Table 17: Top five physicians with the highest number of certifications including “Qualifying Condition (m) Chronic Nonmalignant Pain.”

	FY 2021	FY 2022	FY 2023
Range in Total Number of Certifications	5,899 to 25,033	7,500 to 32,686	8,243 to 34,383
Range in Percentage of Physician’s Certifications including (m) Chronic Pain	45% to 96%	41% to 96%	38% to 87%
Physician Specialty Area¹	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Plastic Surgery • Not Listed 	<ul style="list-style-type: none"> • Family Medicine • Internal Medicine • Pediatrics • Obstetrics and Gynecology • Not Listed 	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Not Listed

¹ Reference notes on page 13.

2. Physicians with the Highest Average Daily Dose – Low-THC Cannabis by Route

Table 18: Low-THC cannabis: **Edibles**, top five physicians with the highest average daily dose (mg). Edibles as a route of administration became available August 27, 2020.

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
AT	44,800	3	AT	44,800	3	AT	22,415	6
DZ	14,000	6	EI	19,388	39	EI	21,000	3
EA	10,650	6	EJ	19,000	15	AJ	20,000	1
DT	10,000	3	AA	17,649	21	DZ	14,000	9
I	8,948	166	DZ	14,000	51	EJ	8,420	9
Geometric mean¹: 179 mg/day			Geometric mean¹: 192 mg/day			Geometric mean¹: 88 mg/day		

¹ No outliers removed.

Table 19: Low-THC cannabis: **Inhalation**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DZ	14,000	6	EJ	19,000	15	ER	20,792	39
EA	9,988	8	EI	17,621	43	DZ	14,000	9
AT	9,600	4	DZ	14,000	51	EI	10,675	6
Y	9,000	2	AM	12,244	129	AJ	10,000	1
I	9,000	177	EN	10,000	3	EJ	8,517	9
Geometric mean ¹ : 212 mg/day			Geometric mean ¹ : 226 mg/day			Geometric mean ¹ : 193 mg/day		

¹No outliers removed.

Table 20: Low-THC cannabis: **Oral**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DI	18,080	9	EI	20,435	37	DZ	14,000	9
DZ	14,000	6	EJ	19,000	15	ER	11,908	39
EA	9,988	8	AA	17,649	21	EI	10,600	6
I	9,000	177	DZ	14,000	51	AJ	10,000	1
AA	7,875	55	AM	12,284	132	EJ	8,467	9
Geometric mean ¹ : 189 mg/day			Geometric mean ¹ : 203 mg/day			Geometric mean ¹ : 109 mg/day		

¹No outliers removed.

Table 21: Low-THC cannabis: **Sublingual**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DZ	14,000	6	EI	20,435	37	EI	21,000	3
AJ	11,000	4	EJ	19,000	15	DZ	14,000	9
EA	9,988	8	DZ	14,000	51	ER	11,150	36
I	9,000	149	AM	12,244	129	AJ	10,000	1
DM	8,453	1,119	EO	9,518	743	EJ	8,463	9
Geometric mean ¹ : 177 mg/day			Geometric mean ¹ : 191 mg/day			Geometric mean ¹ : 93 mg/day		

¹ No outliers removed.

Table 22: Low-THC cannabis: **Suppository**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DZ	14,000	6	EJ	19,000	15	ES	17,500	6
DO	10,000	42	AM	14,000	18	ET	14,200	37
AM	9,400	9	DZ	14,000	51	DZ	14,000	9
I	9,000	138	EO	9,319	731	EJ	12,598	6
DM	8,676	1,090	I	9,000	270	EU	8,905	19
Geometric mean ¹ : 205 mg/day			Geometric mean ¹ : 228 mg/day			Geometric mean ¹ : 179 mg/day		

¹ No outliers removed.

Table 23: Low-THC cannabis: **Topical**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
AJ	21,000	8	EI	20,435	37	EI	21,000	3
DI	20,033	3	EJ	19,000	15	DZ	14,000	9
DH	20,000	2	DZ	14,000	51	AJ	10,000	1
DZ	14,000	6	AM	12,556	129	ER	8,664	33
EF	10,725	4	EN	10,000	3	EJ	8,450	9
Geometric mean ¹ : 159 mg/day			Geometric mean ¹ : 177 mg/day			Geometric mean ¹ : 83 mg/day		

¹No outliers removed.

3. Physicians with the Highest Average Daily Dose – Medical Marijuana by Route

Table 24: Medical marijuana: **Edibles**, top five physicians with the highest average daily dose (mg). Edibles as a route of administration became available August 27, 2020.

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DZ	14,000	6	EP	36,500	12	EI	21,000	3
DI	13,102	23	AT	16,833	9	AT	10,052	9
EA	10,650	6	EI	16,824	45	E0	5,084	486
AT	8,983	15	EJ	16,000	18	DZ	4,707	9
DM	7,821	1,211	EQ	14,000	3	EB	3,158	9
Geometric mean ¹ : 176 mg/day			Geometric mean ¹ : 193 mg/day			Geometric mean ¹ : 58 mg/day		

¹No outliers removed.

Table 25: Medical marijuana: **Inhalation**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DZ	14,000	6	EP	36,500	12	EI	10,675	6
DI	10,386	29	EI	16,891	45	E0	5,322	483
DQ	10,000	3	EJ	16,000	18	DZ	4,900	9
EA	9,988	8	EQ	14,000	3	AT	3,333	6
DH	9,082	56	EB	14,000	10	ES	3,035	36
Geometric mean ¹ : 227 mg/day			Geometric mean ¹ : 248 mg/day			Geometric mean ¹ : 202 mg/day		

¹No outliers removed.

Table 26: Medical marijuana: **Oral**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DZ	14,000	6	EI	18,025	42	EV	13,214	8
DI	11,169	27	EJ	16,000	18	EI	10,600	6
EA	9,988	8	EQ	14,000	3	E0	5,184	486
DH	9,773	46	DZ	14,000	54	DZ	4,800	9
AA	7,170	55	AM	12,284	132	EW	3,148	36
Geometric mean ¹ : 196 mg/day			Geometric mean ¹ : 214 mg/day			Geometric mean ¹ : 78 mg/day		

¹No outliers removed.

Table 27: Medical marijuana: **Sublingual**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DZ	14,000	6	EP	35,750	12	EI	21,000	3
AJ	11,000	4	EI	18,933	40	E0	5,175	486
EA	9,988	8	EJ	16,000	18	DZ	4,793	9
DM	8,439	1,121	AM	15,148	132	EJ	3,805	20
EG	8,400	1	DZ	14,000	54	ES	2,735	39
Geometric mean ¹ : 178 mg/day			Geometric mean ¹ : 198 mg/day			Geometric mean ¹ : 57 mg/day		

¹No outliers removed.

Table 28: Medical marijuana: **Suppository**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DZ	14,000	6	EJ	16,000	18	ES	17,500	6
DO	10,000	42	AM	14,000	18	ET	14,592	36
AM	9,400	9	DZ	14,000	54	EJ	12,598	6
DM	8,676	1,090	E0	9,330	731	E0	6,719	366
DC	3,298	87	AY	7,281	57	DZ	4,797	9
Geometric mean ¹ : 207 mg/day			Geometric mean ¹ : 233 mg/day			Geometric mean ¹ : 120 mg/day		

¹No outliers removed.

Table 29: Medical marijuana: **Topical**, top five physicians with the highest average daily dose (mg).

FY 2021			FY 2022			FY 2023		
UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders	UID	Average Daily Dose (mg)	Number of Orders
DH	14,333	35	EI	18,458	41	EI	21,000	3
DZ	14,000	6	EJ	16,000	18	EO	5,189	480
AJ	12,500	8	AM	15,148	132	DZ	4,767	9
EF	10,725	4	EB	14,000	3	EJ	4,454	17
EA	9,988	8	DZ	14,000	54	AT	3,263	6
Geometric mean ¹ : 157 mg/day			Geometric mean ¹ : 182 mg/day			Geometric mean ¹ : 45 mg/day		

¹No outliers removed.

VI. Marijuana in a Form for Smoking

Certifications with orders for smoking began on March 18, 2019, when Senate Bill 182 (2019) was signed into law by Governor Ron DeSantis. See section 381.986 (4)(c), F.S.

Table 30: Number of certifications that contain at least one order for smoking in each data set.

	FY 2021	FY 2022	FY 2023
All Certifications with at Least One Order for Smoking	860,291	1,089,072	1,266,276
Average number of certifications with smoking per physician	591	695	790
Range in total number of certifications with smoking per physician	1 to 24,624	1 to 32,584	1 to 32,358
Median	66	75	86
Mode	1	1	1
All Patients (with smoking certifications)	575,095	728,655	832,636

Table 31: All smoking orders, percentage of total qualified physicians with orders for smoking, and descriptive statistics (in ounces ordered) in each data set.

	FY 2021	FY 2022	FY 2023
All Orders for Smoking	4,931,098	6,302,534	7,367,715
Percentage of Physicians with Orders for Smoking	88%	91%	92%
GeoMean ounces ordered	2.46	2.47	2.55
Max¹	2.50	7.00	10.00
Min¹	0.1	0.01	0.025
Median¹	2.50	2.50	2.50
Mode¹	2.50	2.50	2.50

¹Numbers changed from previous reports where the Max, Min, Median and Mode to reflect all ordered amounts. (Descriptive counts were previously taken from the average of all ordered amounts.)

Table 32: Trends in the total number and percentage of qualifying conditions reported in certifications containing at least one order for smoking. Patients may have more than one qualifying condition per certification. Conditions listed in **bold font** are the top three qualifying conditions reported by physicians.

Qualifying Condition	FY 2021		FY 2022		FY 2023	
	Number	Percent ¹	Number	Percent ¹	Number	Percent ¹
(a) Cancer	51,713	3.5%	59,224	3.5%	65,131	3.4%
(b) Epilepsy	17,165	1.2%	15,513	0.9%	17,461	0.9%
(c) Glaucoma	11,870	0.8%	14,126	0.8%	15,293	0.8%
(d) Positive status for human immunodeficiency virus (HIV)	8,509	0.6%	8,426	0.5%	8,785	0.5%
(e) Acquired immune deficiency syndrome (AIDS)	1,825	0.1%	1,651	0.1%	1,653	0.1%
(f) Post-traumatic stress disorder (PTSD)	576,442	39.3%	670,199	40.0%	787,288	40.7%
(g) Amyotrophic lateral sclerosis (ALS)	11,423	0.8%	3,559	0.2%	4,508	0.2%
(h) Crohn’s disease	27,065	1.8%	31,483	1.9%	31,161	1.6%
(i) Parkinson’s disease	6,810	0.5%	5,896	0.4%	6,212	0.3%
(j) Multiple sclerosis (MS)	169,059	11.5%	148,922	8.9%	168,759	8.7%
(k) Medical conditions of the same kind or class as or comparable to those enumerated in paragraphs (a)-(j)	389,109	26.5%	485,470	28.9%	569,008	29.4%
(l) A terminal condition diagnosed by a physician other than the qualified physician issuing the physician certification	3,100	0.2%	3,043	0.2%	2,641	0.1%
(m) Chronic nonmalignant pain	193,155	13.2%	229,990	13.7%	258,082	13.3%
Total qualifying conditions reported:	1,467,245		1,677,502		1,935,982	
Total number of certifications:	860,291		1,089,072		1,266,276	
Total number of patients: (with smoking certifications)	575,095		728,655		832,636	

¹ Percent of total qualifying conditions reported.

Table 33: Top five physicians with the highest number of certifications containing at least one order for smoking.

FY 2021			FY 2022			FY 2023		
UID	Number of Certifications	Number of Patients	UID	Number of Certifications	Number of Patients	UID	Number of Certifications	Number of Patients
AY	24,624	9,844	AY	32,584	12,482	AY	34,358	12,492
AZ	15,802	9,711	BA	17,316	11,646	BA	19,406	12,762
BA	15,429	10,700	EH	15,716	12,735	DY	16,652	10,816
DL	9,840	6,978	DL	14,918	13,374	DL	15,368	10,956
CY	9,392	6,407	DW	13,668	10,834	EX	14,884	11,422

Table 34: Top five physicians with the highest number of certifications containing at least one order for smoking and including “Qualifying Condition (f) PTSD.”

	FY 2021	FY 2022	FY 2023
Range in Total Number of Certifications	7,740 to 24,624	10,059 to 32,584	14,884 to 34,358
Range in Percentage of Physician’s Certifications including (f) PTSD	75% to 99%	74% to 99%	73% to 98%
Physician Specialty Area¹	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Diagnostic Radiology • Not Listed 	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Diagnostic Radiology • Not Listed 	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Diagnostic Radiology • Not Listed

¹ Specialty information is as of July 5, 2023, and may not reflect current information.

Table 35: Top five physicians with the highest number of certifications containing at least one order for smoking and including “Qualifying Condition (k) Medical conditions of the same kind or class.”

	FY 2021	FY 2022	FY 2023
Range in Total Number of Certifications	6,744 to 24,624	7,408 to 17,316	6,192 to 19,406
Range in Percentage of Physician’s Certifications including (k) Same Kind or Class	34% to 78%	55% to 80%	44% to 86%
Physician Specialty Area¹	<ul style="list-style-type: none"> • Family Medicine • Family Practice, Hospice and Palliative Medicine • Pediatrics • Radiology-Diagnostic • Not Listed 	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Radiation Oncology • Hospice and Palliative Medicine • Not Listed 	<ul style="list-style-type: none"> • Pediatrics • Radiation Oncology • Family Medicine • Not Listed

¹ Specialty information is as of July 5, 2023, and may not reflect current information.

Table 36: Top five physicians with the highest number of certifications containing at least one order for smoking and including “Qualifying Condition (m) Chronic nonmalignant pain.”

	FY 2021	FY 2022	FY 2023
Range in Total Number of Certifications	5,799 to 24,624	7,473 to 32,584	8,189 to 34,358
Range in Percentage of Physician’s Certifications including (m) Chronic Pain	45% to 96%	41% to 96%	37% to 87%
Physician Specialty Area¹	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Plastic Surgery • Not Listed 	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Internal Medicine • Obstetrics and Gynecology • Not Listed 	<ul style="list-style-type: none"> • Family Medicine • Pediatrics • Not Listed

¹ Specialty information is as of July 5, 2023, and may not reflect current information.

VII. Summary of the 2024 Annual Report

Physician certifications created for qualified patients each month continue to show a cumulative increase for each year of reporting. For example, certifications increased by 48% (51,478 to 76,262) from January 2020 to January 2021, then increased by 24% (to 94,551) for January 2022. From January 2022 to January 2023, certifications per month increased at a slower rate, 21% (113,992). The most recent monthly count was 117,313 for June 2023.

New patient enrollment each month increased by 27% (18,979 to 24,135) from January 2020, compared to January 2021, then decreased by 6% (to 22,716) for January 2022. Enrollments each month then decreased by 3% (to 22,128) for January 2022. The most recent monthly count was 20,977 for June 2023.

The average daily dose ordered for low-THC cannabis and medical marijuana has decreased significantly for all routes of administration since the previous fiscal year due to the implementation of daily dosing limits for all forms of marijuana in rule. The average amounts ordered for marijuana in a form for smoking remain consistent with previous reports, though some amounts ordered were higher this fiscal year.

Data Tables for Physician Certifications contain detailed certification data for individual qualified physicians, and in the aggregate, by county and statewide, and are provided in a separate document.

Panel Recommendations from 2023 Report

Requests to Panel Support Staff:

1. Add information on the impact of COVID-19 on physician certification counts, if possible.
2. Add data on order counts by age groups, if possible.

VIII. Panel Recommendations for FY 2023

1. Include national level medical condition prevalence data in future reports, if possible.

IX. Terms and Definitions

Average (AVG) daily dose is the average of all *maximum* daily doses ordered within a physician certification by route of administration and type (low-THC cannabis or medical marijuana).

Average ounces are the average of all “total ounces per 35-day order period of marijuana in a form for smoking” by certification, physician, county, or state.

Cannabidiol (CBD) for low-THC cannabis ordered by route(s) in the MMUR is measured in milligrams per day.

Chronic nonmalignant pain means pain that is caused by a qualifying medical condition or that originates from a qualifying medical condition and persists beyond the usual course of that qualifying medical condition.

County is based on the primary practice location (address) physicians provided in the MQA Licensure Database.

Dose is the milligrams (mg) per day for each route of administration a physician recommends in the MMUR as part of a certification for marijuana. The “total mg/day” is the sum of all doses for a given form and type of marijuana ordered. All dose data entered were used.

Form is a term referenced in section 381.986, F.S., to describe the routes of administration.

Geometric mean is a method for describing the central tendency of a set of numbers by finding the product of their values. An arithmetic mean adds numbers instead of multiplies them. The geometric mean is used when there are large fluctuations in a data set to prevent outliers from skewing result, yet still included those data points in the analysis.

Low-THC cannabis means a plant of the genus *Cannabis*, the dried flowers of which contain 0.8 percent or less of THC and more than 10 percent of CBD weight for weight; the seeds thereof; the resin extracted from any part of such plant; or any compound, manufacture, salt, derivative, mixture, or preparation of such plant or its seeds or resin that is dispensed from an MMTC.

Marijuana means all parts of any plant of the genus *Cannabis*, whether growing or not; the seeds thereof; the resin extracted from any part of the plant; and every compound, manufacture, salt, derivative, mixture, or preparation of the plant or its seeds or resin, including low-THC cannabis, which are dispensed from an MMTC for medical use by a qualified patient.

Medical marijuana treatment centers (MMTCs) are licensed by the state to grow, process, and dispense marijuana to qualified patients who have certifications and identification cards issued by the OMMU.

Medical Marijuana Use Registry (MMUR) is a secure, electronic, online medical marijuana use registry for physicians, patients, and caregivers that is accessible to law enforcement agencies, qualified physicians, and MMTCs.

Medical use means the acquisition, possession, use, delivery, transfer, or administration of marijuana authorized by a physician certification. The term does not include:

1. Possession, use, or administration of marijuana that was not purchased or acquired from an MMTC.
2. Possession, use, or administration of marijuana in the form of commercially produced food items other than edibles or of marijuana seeds.

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3. Use or administration of any form or amount of marijuana in a manner that is inconsistent with the qualified physician's directions or physician certification.
4. Transfer of marijuana to a person other than the qualified patient for whom it was authorized or the qualified patient's caregiver on behalf of the qualified patient.
5. Use or administration of marijuana in the following locations:
 - a. On any form of public transportation, except for low-THC cannabis not in a form for smoking.
 - b. In any public place, except for low-THC cannabis not in a form for smoking.
 - c. In a qualified patient's place of employment, except when permitted by his or her employer.
 - d. In a state correctional institution, as defined in section 944.02, F.S., or a correctional institution, as defined in section 944.241, F.S.
 - e. On the grounds of a preschool, primary school, or secondary school, except as provided in section 1006.062, F.S.
 - f. In a school bus, a vehicle, an aircraft, or a motorboat, except for low-THC cannabis not in a form for smoking.
6. The smoking of marijuana in an enclosed indoor workplace is defined in section 386.203(5), F.S.

Medical Quality Assurance (MQA) Licensure Database contains information on health care practitioners in the state of Florida licensed under Chapter 458, F.S., and Chapter 459, F.S. The information includes an indicator for physicians who have qualified to order low-THC cannabis and medical marijuana for qualified patients.

New Patient Enrollment refers to the count of patients added to the MMUR, whether they have received a physician certification or not.

Office of Medical Marijuana Use (OMMU) is charged with writing and implementing the Florida Department of Health rules for the use of marijuana; overseeing the statewide MMUR; licensing Florida businesses to cultivate, process, and dispense marijuana to qualified patients; and certifying marijuana testing laboratories to ensure the health and safety of the public as it relates to marijuana. More information about the MMUR is available online at the OMMU's website:

<https://knowthefactsmmj.com/>

Orders refer to consecutive order periods, up to three, each with a maximum number of 70 days. Within the 70-day period, physicians can choose to order 10 options: low-THC cannabis and/or medical marijuana in up to five different routes of administration.

Physician certifications for marijuana in a form for smoking may have up to six order periods, each with a maximum number of 35 days.

Outliers are individual data observations (such a mg/dose or total supply amount in mg) that are an abnormal distance from all other data observations in the set. Observations that fell more than 1.5 interquartile ranges below the first quartile or above the third quartile were considered outliers and removed from calculations for average daily dose and supply totals.

Physician certification means a qualified physician's authorization for a qualified patient to receive marijuana and a marijuana delivery device from an MMTC.

Physician county data are pulled from the most recent data available relative to the end of the reporting period. "Not Practicing" physicians had an active status in the MQA Licensure database when county

information was accessed; “Out of State” physicians had out-of-state addresses but were otherwise listed as active status.

Practitioner Profile information is drawn from the MQA Licensure Database and contains physician information that is posted in the online “License Verification” search.

Qualified patient means a resident of this state who has been added to the MMUR by a qualified physician to receive marijuana or a marijuana delivery device for medical use and who has a qualified patient identification card.

Qualified physician means a person who holds an unrestricted license as an allopathic physician under Chapter 458, F.S., or as an osteopathic physician under Chapter 459, F.S., and is in compliance with the physician education requirements of subsection (3) of 381.986, F.S.

Qualifying medical conditions are required for physician certification. A patient must be diagnosed with at least one of the following conditions to qualify to receive marijuana or a marijuana delivery device:

- | | |
|--|--|
| (a) Cancer | (i) Parkinson’s disease |
| (b) Epilepsy | (j) Multiple sclerosis (MS) |
| (c) Glaucoma | (k) Medical conditions of the same kind or class as or comparable to those enumerated in paragraphs (a)-(j) |
| (d) Positive status for human immunodeficiency virus (HIV) | (l) A terminal condition diagnosed by a physician other than the qualified physician issuing the physician certification |
| (e) Acquired immune deficiency syndrome (AIDS) | (m) Chronic nonmalignant pain |
| (f) Post-traumatic stress disorder (PTSD) | |
| (g) Amyotrophic lateral sclerosis (ALS) | |
| (h) Crohn’s disease | |

Routes of administration are defined in the Department of Health’s Emergency Rule 64ER20-31, Florida Administrative Register, as the appropriate method for the usable product to be taken into the body of the qualified patient, as certified by a qualified physician.

Smoking means burning or igniting a substance and inhaling the smoke. As permitted by section 381.986(4)(c), F.S., qualified physicians may determine that smoking is an appropriate route of administration for a qualified patient.

Supply is the total amount in milligrams (mgs) for all orders within a certification (daily dose multiplied by the number of days ordered) for all routes of administration other than smoking. For smoking, supply is the total amount in ounces (oz) for all orders within a certification.

Terminal condition means a progressive disease or medical or surgical condition that causes significant functional impairment, is not considered by a treating physician to be reversible without the administration of life-sustaining procedures and will result in death within one year after diagnosis if the condition runs its normal course.

Tetrahydrocannabinol (THC) for medical marijuana ordered by route(s) in the MMUR is measured in milligrams per day.

Type is low-THC cannabis or medical marijuana.



Contact Us

Your feedback is important to us.
If you have questions or suggestions
about this report, please let us know.



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