

Disclaimer

The following report(s) provides findings from an FDA-initiated query using Sentinel. While Sentinel queries may be undertaken to assess potential medical product safety risks, they may also be initiated for various other reasons. Some examples include determining a rate or count of an identified health outcome of interest, examining medical product use, exploring the feasibility of future, more detailed analyses within Sentinel, and seeking to better understand Sentinel capabilities.

Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

If you are using a web page screen reader and are unable to access this document, please contact the Sentinel Operations Center for assistance at info@sentinelssystem.org.

Overview for Request: cder_mpl1p_wp102

Request ID: cder_mpl1p_wp102

Request Description: In this report we describe annual rates of cannabis-related encounters per 10,000 eligible person-years, stratified by the legality status of cannabis in each state, US territory, and the District of Columbia in the Sentinel Distributed Database (SDD).

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 13.0.1, with additional ad hoc programming

Data Source: We distributed this query to four Sentinel Data Partners on September 23, 2024. These Data Partners are a subset of the Sentinel Distributed Database and do not include patients from Medicare or Medicaid coverage. The study period will include data from January 1, 2017 through December 31, 2022. Please see Appendix A for a list of the dates of available data for each Data Partner.

Study Design: We identified encounters involving cannabis use, cannabis-related disorders, or poisonings in the inpatient, outpatient, emergency department, institutional, and any care settings, among individuals aged 18-64 years old. Individuals may contribute more than one valid encounter to the analysis. Annual trends of cannabis-related encounters are described, stratified by legality status and among those 18-25, 26-44, and 45-64 years old. Cannabis legal status was determined based on the latest cannabis law enacted (i.e., the law is agreed upon and made official) as of the first day of each calendar year and categorized as Adult and Medical Use (legalized use of cannabis for medical purposes and for recreational use), Medical Use (legalized use of cannabis for medical purposes), Illegal (no public cannabis access), and Unknown [1]. In a sensitivity analysis, we defined an additional Uncertain category, for encounters in which the most recent postal date available based on patients' residence was observed after the encounter date for cannabis disorders or poisonings. We estimated annual prevalence rates of cannabis-related disorders or poisoning per 10,000 eligible member-years by four legal status groups (Adult and Medical Use, Medical Use, Illegal, and Unknown) and legal status* age groups described above. Additionally, we estimated annual rates of cannabis-related disorders or poisoning per 10,000 eligible member-years by five legal status groups (Adult and Medical Use, Medical Use, Illegal, Unknown, and Uncertain) and legal status groups * age groups. This is a Type 1 analysis with additional programming in the Query Request Package (QRP) documentation. Please see Appendix B for the cannabis legal status of each state by year.

Events of Interest: We defined events of interest as any encounter involving cannabis use, cannabis-related disorders, or poisonings evaluated separately in the inpatient, emergency department, outpatient, institutional, and any care setting. The date of the qualifying encounter was defined as the index date. We identified our events of interest using International Classification of diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes. Please see Appendix C for the ICD-10-CM codes used to identify cohort-defining events of interest.

Cohort Eligibility Criteria: We required members to be continuously enrolled in health plans with medical coverage in the 183 days prior to their index date (encounter for cannabis-related disorders or poisoning), during which a gap in coverage of up to 45 days was allowed. Encounters occurring in individuals 18-64 years old, male or female sex, were included. Additionally, encounters for cannabis-related disorders or poisonings in the emergency department care setting were excluded if there was evidence of a cannabis-related disorder or poisoning in inpatient care setting in the subsequent three days. The following age-groups were defined: 18-25, 26-44, and 45-64 years.

Please see Appendix D for the specifications used to define parameters in this request.

Limitations: Algorithms used to define cannabis use related disorders or poisonings and legality status based on patients' most recent residence could be imperfect; thus, it is possible that there may be misclassification. Therefore, data should be interpreted with this limitation in mind.

Overview for Request: cder_mpl1p_wp102

Notes: Please contact the Sentinel Operations Center (info@sentinelssystem.org) for questions and to provide comments/suggestions for future enhancements to this document. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinelssystem.org/projects/SENTINEL/repos/sentinel-routine-querying-tool-documentation/browse>).

[1] *Primary Sources: State Medical Cannabis Laws.* National Conference of State Legislatures (<https://www.ncsl.org/health/state-medical-cannabis-laws>), *Marijuana Policy Project* (mpp.org) and state/territories official websites.

Table of Contents

Glossary (CIDA) List of Terms to Define the Cohort Identification and Descriptive Analysis (CIDA) Found in this Report

Table 1 Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year

Table 2 Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

Table 3 Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

Table 4 Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group - Sensitivity Analysis

Table 5 Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022

Appendix A Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date

Appendix B Legality Status, by State and Year

Appendix C List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Events in this Request

Appendix D Specifications Defining Parameters Used in this Request

Glossary of Terms for Analyses Using Cohort Identification and Descriptive Analysis (CIDA) Module*

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

Blackout Period - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

Ambulatory Visit (AV) - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

Emergency Department (ED) - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

Inpatient Hospital Stay (IP) - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

Non-Acute Institutional Stay (IS) - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

Other Ambulatory Visit (OA) - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

Charlson/Elixhauser Combined Comorbidity Score - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

Code Days - the minimum number of times the diagnosis must be found during the evaluation period in order to fulfill the algorithm to identify the corresponding patient characteristic.

Cohort Definition (drug/exposure) - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

Computed Start Marketing Date - represents the first observed dispensing date among all valid users within a GROUP (scenario) within each Data Partner site.

Days Supplied - number of days supplied for all dispensings in qualifying treatment episodes.

Eligible Members - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

Enrollment Gap - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

Episodes - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

Episode Gap - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

Event Deduplication - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

Exposure Episode Length - number of days after exposure initiation that is considered "exposed time."

Exposure Extension Period - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

Lookback Period - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

Maximum Episode Duration - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Glossary of Terms for Analyses Using
Cohort Identification and Descriptive Analysis (CIDA) Module***

Member-Years - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

Minimum Days Supplied - specifies a minimum number of days in length of the days supplied for the episode to be considered.

Minimum Episode Duration - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Monitoring Period - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

Query Period - period in which the modular program looks for exposures and outcomes of interest.

Switch Evaluation Step Value - value used to differentiate evaluation step. Each switch pattern can support up to 2 evaluation steps (0 = switch pattern evaluation start; 1 = first evaluation; 2 = second evaluation).

Switch Gap Inclusion Indicator - indicator for whether gaps in treatment episodes that are included in a switch episode will be counted as part of the switch episode duration.

Switch Pattern Cohort Inclusion Date - indicates which date to use for inclusion into the switch pattern cohort of interest as well as optionally as the index date of the treatment episode initiating the switch pattern. Valid options are the product approval date, product marketing date, other requester defined date, or computed start marketing date.

Switch Pattern Cohort Inclusion Strategy - indicates how the switch pattern cohort inclusion date will be used: 01: used only as a switch cohort entry date. First treatment episode dispensing date is used as index for computing time to first switch; 02: used as switch cohort entry date and as initial switch step index date for computing time to first switch.

Treatment Episode Truncation Indicator - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

Washout Period (drug/exposure) - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

Washout Period (event/outcome) - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

*all terms may not be used in this report

Table 1. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
Any Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	895	4,585	926,939	708,761.5	9.66 (9.02, 10.29)	49.46 (48.04, 50.89)	12.63 (11.83, 13.48)	64.69 (62.84, 66.59)
2018	763	5,020	1,078,807	792,746.3	7.07 (6.57, 7.57)	46.53 (45.25, 47.82)	9.62 (8.97, 10.33)	63.32 (61.60, 65.10)
2019	691	2,908	1,228,292	936,545.5	5.63 (5.21, 6.05)	23.68 (22.82, 24.53)	7.38 (6.85, 7.95)	31.05 (29.94, 32.20)
2020	482	2,170	1,335,054	1,068,132.9	3.61 (3.29, 3.93)	16.25 (15.57, 16.94)	4.51 (4.13, 4.93)	20.32 (19.48, 21.19)
2021	439	1,630	1,316,560	1,107,115.2	3.33 (3.02, 3.65)	12.38 (11.78, 12.98)	3.97 (3.61, 4.35)	14.72 (14.03, 15.46)
2022	361	1,187	1,303,047	1,016,533.8	2.77 (2.48, 3.06)	9.11 (8.59, 9.63)	3.55 (3.20, 3.94)	11.68 (11.03, 12.36)
<i>Medical</i>								
2017	66,537	354,918	18,382,644	14,303,136.9	36.20 (35.92, 36.47)	193.07 (192.44, 193.70)	46.52 (46.17, 46.87)	248.14 (247.32, 248.96)
2018	60,243	315,014	14,038,713	10,949,588.5	42.91 (42.57, 43.25)	224.39 (223.61, 225.16)	55.02 (54.58, 55.46)	287.69 (286.69, 288.70)
2019	85,788	414,517	18,123,567	13,985,959.5	47.34 (47.02, 47.65)	228.72 (228.03, 229.41)	61.34 (60.93, 61.75)	296.38 (295.48, 297.28)
2020	80,551	388,223	16,411,818	13,243,953.2	49.08 (48.74, 49.42)	236.55 (235.82, 237.29)	60.82 (60.40, 61.24)	293.13 (292.21, 294.06)
2021	102,062	461,815	18,069,994	14,545,597.1	56.48 (56.14, 56.83)	255.57 (254.84, 256.30)	70.17 (69.74, 70.60)	317.49 (316.58, 318.41)
2022	113,461	486,859	18,360,755	14,506,826.7	61.80 (61.44, 62.15)	265.16 (264.43, 265.90)	78.21 (77.76, 78.67)	335.61 (334.67, 336.55)
<i>Illegal</i>								
2017	77,946	360,501	23,724,094	18,628,787.8	32.86 (32.62, 33.09)	151.96 (151.46, 152.45)	41.84 (41.55, 42.14)	193.52 (192.89, 194.15)
2018	82,167	373,258	22,340,186	17,710,318.4	36.78 (36.53, 37.03)	167.08 (166.55, 167.61)	46.39 (46.08, 46.71)	210.76 (210.08, 211.43)
2019	71,960	305,016	18,067,049	14,326,487.1	39.83 (39.54, 40.12)	168.82 (168.23, 169.42)	50.23 (49.86, 50.60)	212.90 (212.15, 213.66)
2020	76,120	335,459	17,098,978	13,614,435.4	44.52 (44.20, 44.83)	196.19 (195.53, 196.84)	55.91 (55.52, 56.31)	246.40 (245.57, 247.23)
2021	70,949	354,026	13,110,877	10,436,564.2	54.11 (53.72, 54.51)	270.02 (269.15, 270.90)	67.98 (67.48, 68.48)	339.22 (338.10, 340.34)
2022	75,541	384,758	13,096,351	10,152,304.8	57.68 (57.27, 58.09)	293.79 (292.88, 294.70)	74.41 (73.88, 74.94)	378.99 (377.79, 380.19)
<i>Adult and Medical</i>								
2017	9,273	40,103	1,986,350	1,539,827.4	46.68 (45.74, 47.63)	201.89 (199.94, 203.85)	60.22 (59.01, 61.46)	260.44 (257.90, 263.00)
2018	28,258	131,428	6,898,908	5,437,548.8	40.96 (40.48, 41.44)	190.51 (189.49, 191.53)	51.97 (51.37, 52.58)	241.70 (240.40, 243.01)

Table 1. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2019	33,717	152,467	7,481,981	5,916,762.1	45.06 (44.58, 45.54)	203.78 (202.77, 204.79)	56.99 (56.38, 57.60)	257.69 (256.40, 258.98)
2020	45,692	202,261	9,329,595	7,437,709.3	48.98 (48.53, 49.42)	216.80 (215.86, 217.73)	61.43 (60.87, 62.00)	271.94 (270.76, 273.13)
2021	60,238	249,810	10,476,268	8,310,660.9	57.50 (57.04, 57.96)	238.45 (237.53, 239.38)	72.48 (71.91, 73.06)	300.59 (299.41, 301.77)
2022	67,010	273,300	11,016,221	8,461,599.8	60.83 (60.37, 61.29)	248.09 (247.17, 249.01)	79.19 (78.60, 79.79)	322.99 (321.78, 324.20)
Emergency Department Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	219	245	926,939	708,761.5	2.36 (2.05, 2.68)	2.64 (2.31, 2.97)	3.09 (2.71, 3.53)	3.46 (3.05, 3.92)
2018	178	216	1,078,807	792,746.3	1.65 (1.41, 1.89)	2.00 (1.74, 2.27)	2.25 (1.94, 2.60)	2.72 (2.38, 3.11)
2019	178	222	1,228,292	936,545.5	1.45 (1.24, 1.66)	1.81 (1.57, 2.05)	1.90 (1.64, 2.20)	2.37 (2.08, 2.70)
2020	122	165	1,335,054	1,068,132.9	0.91 (0.75, 1.08)	1.24 (1.05, 1.42)	1.14 (0.96, 1.36)	1.54 (1.33, 1.80)
2021	106	155	1,316,560	1,107,115.2	0.81 (0.65, 0.96)	1.18 (0.99, 1.36)	0.96 (0.79, 1.16)	1.40 (1.20, 1.64)
2022	87	102	1,303,047	1,016,533.8	0.67 (0.53, 0.81)	0.78 (0.63, 0.93)	0.86 (0.69, 1.06)	1.00 (0.83, 1.22)
<i>Medical</i>								
2017	16,939	21,106	18,382,644	14,303,136.9	9.21 (9.08, 9.35)	11.48 (11.33, 11.64)	11.84 (11.67, 12.02)	14.76 (14.56, 14.96)
2018	14,920	18,966	14,038,713	10,949,588.5	10.63 (10.46, 10.80)	13.51 (13.32, 13.70)	13.63 (13.41, 13.85)	17.32 (17.08, 17.57)
2019	19,864	25,967	18,123,567	13,985,959.5	10.96 (10.81, 11.11)	14.33 (14.15, 14.50)	14.20 (14.01, 14.40)	18.57 (18.34, 18.79)
2020	18,735	25,563	16,411,818	13,243,953.2	11.42 (11.25, 11.58)	15.58 (15.39, 15.77)	14.15 (13.94, 14.35)	19.30 (19.07, 19.54)
2021	22,122	30,376	18,069,994	14,545,597.1	12.24 (12.08, 12.40)	16.81 (16.62, 17.00)	15.21 (15.01, 15.41)	20.88 (20.65, 21.12)
2022	26,666	36,450	18,360,755	14,506,826.7	14.52 (14.35, 14.70)	19.85 (19.65, 20.06)	18.38 (18.16, 18.60)	25.13 (24.87, 25.39)
<i>Illegal</i>								
2017	18,596	23,336	23,724,094	18,628,787.8	7.84 (7.73, 7.95)	9.84 (9.71, 9.96)	9.98 (9.84, 10.13)	12.53 (12.37, 12.69)
2018	19,234	24,515	22,340,186	17,710,318.4	8.61 (8.49, 8.73)	10.97 (10.84, 11.11)	10.86 (10.71, 11.01)	13.84 (13.67, 14.02)
2019	16,470	21,758	18,067,049	14,326,487.1	9.12 (8.98, 9.26)	12.04 (11.88, 12.20)	11.50 (11.32, 11.67)	15.19 (14.99, 15.39)
2020	16,266	21,692	17,098,978	13,614,435.4	9.51 (9.37, 9.66)	12.69 (12.52, 12.85)	11.95 (11.77, 12.13)	15.93 (15.72, 16.15)
2021	14,868	20,499	13,110,877	10,436,564.2	11.34 (11.16, 11.52)	15.64 (15.42, 15.85)	14.25 (14.02, 14.48)	19.64 (19.37, 19.91)

Table 1. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2022	16,849	23,441	13,096,351	10,152,304.8	12.87 (12.67, 13.06)	17.90 (17.67, 18.13)	16.60 (16.35, 16.85)	23.09 (22.80, 23.39)
<i>Adult and Medical</i>								
2017	2,082	2,566	1,986,350	1,539,827.4	10.48 (10.03, 10.93)	12.92 (12.42, 13.42)	13.52 (12.95, 14.11)	16.66 (16.03, 17.32)
2018	6,823	8,206	6,898,908	5,437,548.8	9.89 (9.66, 10.12)	11.89 (11.64, 12.15)	12.55 (12.25, 12.85)	15.09 (14.77, 15.42)
2019	7,519	9,039	7,481,981	5,916,762.1	10.05 (9.82, 10.28)	12.08 (11.83, 12.33)	12.71 (12.42, 13.00)	15.28 (14.97, 15.60)
2020	9,417	11,968	9,329,595	7,437,709.3	10.09 (9.89, 10.30)	12.83 (12.60, 13.06)	12.66 (12.41, 12.92)	16.09 (15.81, 16.38)
2021	11,506	15,254	10,476,268	8,310,660.9	10.98 (10.78, 11.18)	14.56 (14.33, 14.79)	13.84 (13.59, 14.10)	18.35 (18.07, 18.65)
2022	13,806	18,179	11,016,221	8,461,599.8	12.53 (12.32, 12.74)	16.50 (16.26, 16.74)	16.32 (16.05, 16.59)	21.48 (21.17, 21.80)
Inpatient Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	275	332	926,939	708,761.5	2.97 (2.62, 3.32)	3.58 (3.20, 3.97)	3.88 (3.45, 4.37)	4.68 (4.21, 5.22)
2018	218	281	1,078,807	792,746.3	2.02 (1.75, 2.29)	2.60 (2.30, 2.91)	2.75 (2.41, 3.14)	3.54 (3.15, 3.98)
2019	167	193	1,228,292	936,545.5	1.36 (1.15, 1.57)	1.57 (1.35, 1.79)	1.78 (1.53, 2.08)	2.06 (1.79, 2.37)
2020	100	123	1,335,054	1,068,132.9	0.75 (0.60, 0.90)	0.92 (0.76, 1.08)	0.94 (0.77, 1.14)	1.15 (0.97, 1.37)
2021	77	88	1,316,560	1,107,115.2	0.58 (0.45, 0.72)	0.67 (0.53, 0.81)	0.70 (0.56, 0.87)	0.79 (0.64, 0.98)
2022	50	59	1,303,047	1,016,533.8	0.38 (0.28, 0.49)	0.45 (0.34, 0.57)	0.49 (0.37, 0.65)	0.58 (0.45, 0.75)
<i>Medical</i>								
2017	15,162	18,195	18,382,644	14,303,136.9	8.25 (8.12, 8.38)	9.90 (9.75, 10.04)	10.60 (10.43, 10.77)	12.72 (12.54, 12.91)
2018	11,922	14,264	14,038,713	10,949,588.5	8.49 (8.34, 8.64)	10.16 (9.99, 10.33)	10.89 (10.69, 11.09)	13.03 (12.81, 13.24)
2019	16,495	19,956	18,123,567	13,985,959.5	9.10 (8.96, 9.24)	11.01 (10.86, 11.16)	11.79 (11.62, 11.98)	14.27 (14.07, 14.47)
2020	16,067	19,827	16,411,818	13,243,953.2	9.79 (9.64, 9.94)	12.08 (11.91, 12.25)	12.13 (11.95, 12.32)	14.97 (14.76, 15.18)
2021	20,245	24,711	18,069,994	14,545,597.1	11.20 (11.05, 11.36)	13.68 (13.50, 13.85)	13.92 (13.73, 14.11)	16.99 (16.78, 17.20)
2022	18,983	22,806	18,360,755	14,506,826.7	10.34 (10.19, 10.49)	12.42 (12.26, 12.58)	13.09 (12.90, 13.27)	15.72 (15.52, 15.93)
<i>Illegal</i>								
2017	18,805	22,473	23,724,094	18,628,787.8	7.93 (7.81, 8.04)	9.47 (9.35, 9.60)	10.09 (9.95, 10.24)	12.06 (11.91, 12.22)

Table 1. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2018	18,687	22,298	22,340,186	17,710,318.4	8.36 (8.24, 8.48)	9.98 (9.85, 10.11)	10.55 (10.40, 10.70)	12.59 (12.43, 12.76)
2019	16,742	20,467	18,067,049	14,326,487.1	9.27 (9.13, 9.41)	11.33 (11.17, 11.48)	11.69 (11.51, 11.86)	14.29 (14.09, 14.48)
2020	17,250	21,362	17,098,978	13,614,435.4	10.09 (9.94, 10.24)	12.49 (12.33, 12.66)	12.67 (12.48, 12.86)	15.69 (15.48, 15.90)
2021	14,790	18,285	13,110,877	10,436,564.2	11.28 (11.10, 11.46)	13.95 (13.74, 14.15)	14.17 (13.94, 14.40)	17.52 (17.27, 17.78)
2022	13,659	16,912	13,096,351	10,152,304.8	10.43 (10.25, 10.60)	12.91 (12.72, 13.11)	13.45 (13.23, 13.68)	16.66 (16.41, 16.91)
<i>Adult and Medical</i>								
2017	1,866	2,159	1,986,350	1,539,827.4	9.39 (8.97, 9.82)	10.87 (10.41, 11.33)	12.12 (11.58, 12.68)	14.02 (13.44, 14.63)
2018	6,210	7,418	6,898,908	5,437,548.8	9.00 (8.78, 9.23)	10.75 (10.51, 11.00)	11.42 (11.14, 11.71)	13.64 (13.34, 13.96)
2019	6,873	8,221	7,481,981	5,916,762.1	9.19 (8.97, 9.40)	10.99 (10.75, 11.23)	11.62 (11.34, 11.89)	13.89 (13.60, 14.20)
2020	9,063	11,070	9,329,595	7,437,709.3	9.71 (9.51, 9.91)	11.87 (11.64, 12.09)	12.19 (11.94, 12.44)	14.88 (14.61, 15.16)
2021	10,948	13,292	10,476,268	8,310,660.9	10.45 (10.25, 10.65)	12.69 (12.47, 12.90)	13.17 (12.93, 13.42)	15.99 (15.72, 16.27)
2022	10,055	12,029	11,016,221	8,461,599.8	9.13 (8.95, 9.31)	10.92 (10.72, 11.11)	11.88 (11.65, 12.12)	14.22 (13.96, 14.47)
Outpatient Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	650	4,146	926,939	708,761.5	7.01 (6.47, 7.55)	44.73 (43.37, 46.09)	9.17 (8.49, 9.90)	58.50 (56.74, 60.30)
2018	569	4,618	1,078,807	792,746.3	5.27 (4.84, 5.71)	42.81 (41.57, 44.04)	7.18 (6.61, 7.79)	58.25 (56.60, 59.96)
2019	483	2,571	1,228,292	936,545.5	3.93 (3.58, 4.28)	20.93 (20.12, 21.74)	5.16 (4.72, 5.64)	27.45 (26.41, 28.53)
2020	348	1,936	1,335,054	1,068,132.9	2.61 (2.33, 2.88)	14.50 (13.86, 15.15)	3.26 (2.93, 3.62)	18.13 (17.34, 18.95)
2021	313	1,411	1,316,560	1,107,115.2	2.38 (2.11, 2.64)	10.72 (10.16, 11.28)	2.83 (2.53, 3.16)	12.74 (12.10, 13.43)
2022	262	1,018	1,303,047	1,016,533.8	2.01 (1.77, 2.25)	7.81 (7.33, 8.29)	2.58 (2.28, 2.91)	10.01 (9.42, 10.65)
<i>Medical</i>								
2017	46,646	319,035	18,382,644	14,303,136.9	25.38 (25.15, 25.61)	173.55 (172.96, 174.15)	32.61 (32.32, 32.91)	223.05 (222.28, 223.83)
2018	42,806	283,256	14,038,713	10,949,588.5	30.49 (30.20, 30.78)	201.77 (201.03, 202.50)	39.09 (38.73, 39.47)	258.69 (257.74, 259.65)
2019	62,212	369,897	18,123,567	13,985,959.5	34.33 (34.06, 34.60)	204.10 (203.45, 204.75)	44.48 (44.13, 44.83)	264.48 (263.63, 265.33)
2020	57,863	344,419	16,411,818	13,243,953.2	35.26 (34.97, 35.54)	209.86 (209.17, 210.55)	43.69 (43.34, 44.05)	260.06 (259.19, 260.93)

Table 1. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2021	74,965	409,393	18,069,994	14,545,597.1	41.49 (41.19, 41.78)	226.56 (225.87, 227.25)	51.54 (51.17, 51.91)	281.45 (280.59, 282.32)
2022	84,993	432,323	18,360,755	14,506,826.7	46.29 (45.98, 46.60)	235.46 (234.77, 236.15)	58.59 (58.20, 58.98)	298.01 (297.13, 298.90)
<i>Illegal</i>								
2017	53,823	316,852	23,724,094	18,628,787.8	22.69 (22.50, 22.88)	133.56 (133.10, 134.02)	28.89 (28.65, 29.14)	170.09 (169.50, 170.68)
2018	58,193	329,009	22,340,186	17,710,318.4	26.05 (25.84, 26.26)	147.27 (146.77, 147.77)	32.86 (32.59, 33.13)	185.77 (185.14, 186.41)
2019	50,947	265,285	18,067,049	14,326,487.1	28.20 (27.95, 28.44)	146.83 (146.28, 147.39)	35.56 (35.25, 35.87)	185.17 (184.47, 185.88)
2020	55,188	294,696	17,098,978	13,614,435.4	32.28 (32.01, 32.54)	172.35 (171.73, 172.96)	40.54 (40.20, 40.88)	216.46 (215.68, 217.24)
2021	52,288	316,754	13,110,877	10,436,564.2	39.88 (39.54, 40.22)	241.60 (240.77, 242.43)	50.10 (49.67, 50.53)	303.50 (302.45, 304.56)
2022	56,766	346,895	13,096,351	10,152,304.8	43.34 (42.99, 43.70)	264.88 (264.01, 265.75)	55.91 (55.46, 56.38)	341.69 (340.56, 342.83)
<i>Adult and Medical</i>								
2017	6,582	35,481	1,986,350	1,539,827.4	33.14 (32.34, 33.94)	178.62 (176.78, 180.47)	42.75 (41.72, 43.79)	230.42 (228.04, 232.83)
2018	20,542	117,746	6,898,908	5,437,548.8	29.78 (29.37, 30.18)	170.67 (169.71, 171.64)	37.78 (37.26, 38.30)	216.54 (215.31, 217.78)
2019	25,391	137,581	7,481,981	5,916,762.1	33.94 (33.52, 34.35)	183.88 (182.92, 184.85)	42.91 (42.39, 43.44)	232.53 (231.30, 233.76)
2020	34,852	181,622	9,329,595	7,437,709.3	37.36 (36.96, 37.75)	194.67 (193.79, 195.56)	46.86 (46.37, 47.35)	244.19 (243.07, 245.32)
2021	46,602	223,632	10,476,268	8,310,660.9	44.48 (44.08, 44.89)	213.47 (212.59, 214.34)	56.07 (55.57, 56.59)	269.09 (267.98, 270.21)
2022	52,846	246,581	11,016,221	8,461,599.8	47.97 (47.56, 48.38)	223.83 (222.96, 224.71)	62.45 (61.92, 62.99)	291.41 (290.26, 292.56)
Institutional Care Setting								

Any Cannabis-Related Disorder or Cannabis Poisoning

Unknown

2017	13	15	926,939	708,761.5	0.14 (0.06, 0.22)	0.16 (0.08, 0.24)	0.18 (0.11, 0.32)	0.21 (0.13, 0.35)
2018	17	23	1,078,807	792,746.3	0.16 (0.08, 0.23)	0.21 (0.13, 0.30)	0.21 (0.13, 0.34)	0.29 (0.19, 0.44)
2019	20	27	1,228,292	936,545.5	0.16 (0.09, 0.23)	0.22 (0.14, 0.30)	0.21 (0.14, 0.33)	0.29 (0.20, 0.42)
2020	23	26	1,335,054	1,068,132.9	0.17 (0.10, 0.24)	0.19 (0.12, 0.27)	0.22 (0.14, 0.32)	0.24 (0.17, 0.36)
2021	23	25	1,316,560	1,107,115.2	0.17 (0.10, 0.25)	0.19 (0.12, 0.26)	0.21 (0.14, 0.31)	0.23 (0.15, 0.33)
2022	30	38	1,303,047	1,016,533.8	0.23 (0.15, 0.31)	0.29 (0.20, 0.38)	0.30 (0.21, 0.42)	0.37 (0.27, 0.51)

Medical

Table 1. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2017	3,539	4,380	18,382,644	14,303,136.9	1.93 (1.86, 1.99)	2.38 (2.31, 2.45)	2.47 (2.39, 2.56)	3.06 (2.97, 3.15)
2018	3,494	4,394	14,038,713	10,949,588.5	2.49 (2.41, 2.57)	3.13 (3.04, 3.22)	3.19 (3.09, 3.30)	4.01 (3.90, 4.13)
2019	5,256	6,800	18,123,567	13,985,959.5	2.90 (2.82, 2.98)	3.75 (3.66, 3.84)	3.76 (3.66, 3.86)	4.86 (4.75, 4.98)
2020	5,041	6,511	16,411,818	13,243,953.2	3.07 (2.99, 3.16)	3.97 (3.87, 4.06)	3.81 (3.70, 3.91)	4.92 (4.80, 5.04)
2021	5,828	7,528	18,069,994	14,545,597.1	3.23 (3.14, 3.31)	4.17 (4.07, 4.26)	4.01 (3.91, 4.11)	5.18 (5.06, 5.29)
2022	5,762	7,264	18,360,755	14,506,826.7	3.14 (3.06, 3.22)	3.96 (3.87, 4.05)	3.97 (3.87, 4.08)	5.01 (4.89, 5.12)
<i>Illegal</i>								
2017	4,763	5,833	23,724,094	18,628,787.8	2.01 (1.95, 2.06)	2.46 (2.40, 2.52)	2.56 (2.49, 2.63)	3.13 (3.05, 3.21)
2018	4,841	5,982	22,340,186	17,710,318.4	2.17 (2.11, 2.23)	2.68 (2.61, 2.75)	2.73 (2.66, 2.81)	3.38 (3.29, 3.46)
2019	3,924	4,904	18,067,049	14,326,487.1	2.17 (2.10, 2.24)	2.71 (2.64, 2.79)	2.74 (2.65, 2.83)	3.42 (3.33, 3.52)
2020	4,334	5,453	17,098,978	13,614,435.4	2.53 (2.46, 2.61)	3.19 (3.10, 3.27)	3.18 (3.09, 3.28)	4.01 (3.90, 4.11)
2021	4,102	5,201	13,110,877	10,436,564.2	3.13 (3.03, 3.22)	3.97 (3.86, 4.07)	3.93 (3.81, 4.05)	4.98 (4.85, 5.12)
2022	3,925	5,097	13,096,351	10,152,304.8	3.00 (2.90, 3.09)	3.89 (3.79, 4.00)	3.87 (3.75, 3.99)	5.02 (4.88, 5.16)
<i>Adult and Medical</i>								
2017	492	594	1,986,350	1,539,827.4	2.48 (2.26, 2.70)	2.99 (2.75, 3.23)	3.20 (2.92, 3.49)	3.86 (3.56, 4.18)
2018	1,166	1,568	6,898,908	5,437,548.8	1.69 (1.59, 1.79)	2.27 (2.16, 2.39)	2.14 (2.02, 2.27)	2.88 (2.74, 3.03)
2019	1,315	1,726	7,481,981	5,916,762.1	1.76 (1.66, 1.85)	2.31 (2.20, 2.42)	2.22 (2.11, 2.35)	2.92 (2.78, 3.06)
2020	2,034	2,687	9,329,595	7,437,709.3	2.18 (2.09, 2.27)	2.88 (2.77, 2.99)	2.73 (2.62, 2.86)	3.61 (3.48, 3.75)
2021	2,804	3,550	10,476,268	8,310,660.9	2.68 (2.58, 2.78)	3.39 (3.28, 3.50)	3.37 (3.25, 3.50)	4.27 (4.13, 4.41)
2022	2,677	3,436	11,016,221	8,461,599.8	2.43 (2.34, 2.52)	3.12 (3.01, 3.22)	3.16 (3.05, 3.29)	4.06 (3.93, 4.20)

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
Any Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Medical, 2017</i>								
18-25 years	31,268	216,739	3,454,751	2,455,325.9	90.51 (89.51, 91.51)	627.37 (624.81, 629.92)	127.35 (125.94, 128.77)	882.73 (879.02, 886.45)
26-44 years	21,182	92,933	7,583,000	5,500,482.3	27.93 (27.56, 28.31)	122.55 (121.77, 123.34)	38.51 (37.99, 39.03)	168.95 (167.87, 170.04)
45-64 years	14,428	45,246	7,972,122	6,347,328.7	18.10 (17.80, 18.39)	56.76 (56.23, 57.28)	22.73 (22.36, 23.10)	71.28 (70.63, 71.94)
<i>Unknown, 2017</i>								
18-25 years	600	3,521	240,506	155,437.2	24.95 (22.95, 26.94)	146.40 (141.60, 151.20)	38.60 (35.63, 41.82)	226.52 (219.16, 234.13)
26-44 years	200	752	445,074	328,415.0	4.49 (3.87, 5.12)	16.90 (15.69, 18.10)	6.09 (5.30, 7.00)	22.90 (21.32, 24.59)
45-64 years	104	312	279,922	224,909.3	3.72 (3.00, 4.43)	11.15 (9.91, 12.38)	4.62 (3.82, 5.60)	13.87 (12.42, 15.50)
<i>Adult and Medical, 2017</i>								
18-25 years	3,638	22,123	355,165	249,506.3	102.43 (99.12, 105.74)	622.89 (614.95, 630.84)	145.81 (141.15, 150.62)	886.67 (875.06, 898.43)
26-44 years	3,326	12,179	888,945	642,825.5	37.42 (36.15, 38.68)	137.01 (134.59, 139.42)	51.74 (50.01, 53.53)	189.46 (186.13, 192.86)
45-64 years	2,348	5,801	810,316	647,495.7	28.98 (27.81, 30.15)	71.59 (69.75, 73.43)	36.26 (34.83, 37.76)	89.59 (87.32, 91.93)
<i>Illegal, 2017</i>								
18-25 years	37,549	224,544	4,284,495	3,063,949.2	87.64 (86.76, 88.52)	524.09 (521.97, 526.20)	122.55 (121.32, 123.80)	732.86 (729.83, 735.90)
26-44 years	23,862	87,681	9,658,346	7,067,711.8	24.71 (24.39, 25.02)	90.78 (90.18, 91.38)	33.76 (33.34, 34.19)	124.06 (123.24, 124.88)
45-64 years	16,923	48,276	10,583,731	8,497,126.8	15.99 (15.75, 16.23)	45.61 (45.21, 46.02)	19.92 (19.62, 20.22)	56.81 (56.31, 57.32)
<i>Unknown, 2018</i>								
18-25 years	470	3,648	250,144	156,996.3	18.79 (17.09, 20.49)	145.84 (141.14, 150.53)	29.94 (27.35, 32.77)	232.36 (224.94, 240.03)
26-44 years	193	966	506,398	368,046.8	3.81 (3.27, 4.35)	19.08 (17.87, 20.28)	5.24 (4.55, 6.04)	26.25 (24.64, 27.96)
45-64 years	113	406	364,118	267,703.2	3.10 (2.53, 3.68)	11.15 (10.07, 12.23)	4.22 (3.51, 5.08)	15.17 (13.76, 16.72)
<i>Adult and Medical, 2018</i>								

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	11,508	72,980	1,348,260	967,690.2	85.35 (83.80, 86.91)	541.29 (537.47, 545.11)	118.92 (116.77, 121.12)	754.17 (748.72, 759.66)
26-44 years	10,033	39,770	3,025,527	2,213,763.6	33.16 (32.51, 33.81)	131.45 (130.16, 132.73)	45.32 (44.44, 46.22)	179.65 (177.89, 181.42)
45-64 years	6,835	18,678	2,769,961	2,256,095.0	24.68 (24.09, 25.26)	67.43 (66.47, 68.39)	30.30 (29.59, 31.02)	82.79 (81.61, 83.98)
<i>Medical, 2018</i>								
18-25 years	27,047	183,087	2,600,939	1,854,530.7	103.99 (102.76, 105.22)	703.93 (700.82, 707.04)	145.84 (144.12, 147.59)	987.24 (982.73, 991.77)
26-44 years	19,696	86,635	5,740,931	4,160,957.9	34.31 (33.83, 34.79)	150.91 (149.91, 151.90)	47.34 (46.68, 48.00)	208.21 (206.83, 209.60)
45-64 years	13,866	45,292	6,164,582	4,934,099.9	22.49 (22.12, 22.87)	73.47 (72.80, 74.15)	28.10 (27.64, 28.57)	91.79 (90.95, 92.64)
<i>Illegal, 2018</i>								
18-25 years	37,063	220,765	4,053,162	2,925,271.7	91.44 (90.52, 92.37)	544.67 (542.46, 546.88)	126.70 (125.42, 128.00)	754.68 (751.54, 757.84)
26-44 years	26,211	99,061	9,150,790	6,749,503.2	28.64 (28.30, 28.99)	108.25 (107.58, 108.92)	38.83 (38.37, 39.31)	146.77 (145.86, 147.68)
45-64 years	19,251	53,432	9,888,702	8,035,543.5	19.47 (19.19, 19.74)	54.03 (53.58, 54.49)	23.96 (23.62, 24.30)	66.49 (65.93, 67.06)
<i>Adult and Medical, 2019</i>								
18-25 years	13,430	80,168	1,453,241	1,049,307.2	92.41 (90.86, 93.97)	551.65 (547.94, 555.36)	127.99 (125.84, 130.17)	764.01 (758.74, 769.32)
26-44 years	12,371	49,868	3,277,558	2,404,339.4	37.74 (37.08, 38.41)	152.15 (150.82, 153.48)	51.45 (50.55, 52.37)	207.41 (205.60, 209.24)
45-64 years	8,064	22,431	3,017,399	2,463,115.6	26.73 (26.14, 27.31)	74.34 (73.37, 75.31)	32.74 (32.03, 33.46)	91.07 (89.88, 92.27)
<i>Illegal, 2019</i>								
18-25 years	29,760	162,937	3,256,516	2,357,641.9	91.39 (90.35, 92.42)	500.34 (497.97, 502.71)	126.23 (124.80, 127.67)	691.10 (687.75, 694.47)
26-44 years	24,286	89,393	7,459,438	5,509,015.3	32.56 (32.15, 32.97)	119.84 (119.06, 120.62)	44.08 (43.53, 44.64)	162.27 (161.21, 163.33)
45-64 years	18,295	52,686	7,959,833	6,459,829.8	22.98 (22.65, 23.32)	66.19 (65.63, 66.75)	28.32 (27.91, 28.73)	81.56 (80.87, 82.26)
<i>Unknown, 2019</i>								
18-25 years	397	1,830	277,929	173,848.4	14.28 (12.88, 15.69)	65.84 (62.84, 68.85)	22.84 (20.70, 25.20)	105.26 (100.55, 110.20)
26-44 years	201	812	574,840	430,199.2	3.50 (3.01, 3.98)	14.13 (13.15, 15.10)	4.67 (4.07, 5.36)	18.87 (17.62, 20.22)
45-64 years	101	266	422,148	332,497.8	2.39 (1.93, 2.86)	6.30 (5.54, 7.06)	3.04 (2.50, 3.69)	8.00 (7.09, 9.02)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Medical, 2019</i>								
18-25 years	35,171	220,864	3,359,541	2,384,381.3	104.69 (103.60, 105.78)	657.42 (654.77, 660.07)	147.51 (145.97, 149.06)	926.29 (922.44, 930.17)
26-44 years	29,159	124,530	7,357,846	5,299,868.2	39.63 (39.18, 40.08)	169.25 (168.32, 170.18)	55.02 (54.39, 55.65)	234.97 (233.67, 236.28)
45-64 years	21,916	69,123	7,999,712	6,301,710.0	27.40 (27.03, 27.76)	86.41 (85.77, 87.05)	34.78 (34.32, 35.24)	109.69 (108.87, 110.51)
<i>Illegal, 2020</i>								
18-25 years	29,400	154,657	3,072,030	2,245,424.6	95.70 (94.61, 96.79)	503.44 (500.99, 505.88)	130.93 (129.44, 132.44)	688.77 (685.34, 692.21)
26-44 years	27,246	117,788	7,033,807	5,242,967.0	38.74 (38.28, 39.19)	167.46 (166.51, 168.41)	51.97 (51.35, 52.59)	224.66 (223.38, 225.95)
45-64 years	19,870	63,014	7,566,811	6,126,043.8	26.26 (25.89, 26.62)	83.28 (82.63, 83.92)	32.44 (31.99, 32.89)	102.86 (102.06, 103.67)
<i>Adult and Medical, 2020</i>								
18-25 years	17,389	99,098	1,778,647	1,291,774.3	97.77 (96.32, 99.21)	557.15 (553.78, 560.52)	134.61 (132.63, 136.63)	767.15 (762.38, 771.94)
26-44 years	17,234	69,874	4,072,102	3,032,516.8	42.32 (41.69, 42.95)	171.59 (170.33, 172.85)	56.83 (55.99, 57.69)	230.42 (228.71, 232.13)
45-64 years	11,304	33,289	3,806,906	3,113,418.2	29.69 (29.15, 30.24)	87.44 (86.51, 88.38)	36.31 (35.64, 36.98)	106.92 (105.78, 108.08)
<i>Medical, 2020</i>								
18-25 years	31,000	189,900	3,001,890	2,215,006.9	103.27 (102.12, 104.41)	632.60 (629.85, 635.36)	139.95 (138.41, 141.52)	857.33 (853.49, 861.20)
26-44 years	28,321	126,720	6,664,857	5,024,329.9	42.49 (42.00, 42.99)	190.13 (189.09, 191.17)	56.37 (55.72, 57.03)	252.21 (250.83, 253.61)
45-64 years	21,737	71,603	7,301,125	6,004,616.4	29.77 (29.38, 30.17)	98.07 (97.36, 98.79)	36.20 (35.72, 36.68)	119.25 (118.38, 120.12)
<i>Unknown, 2020</i>								
18-25 years	280	1,328	301,523	205,884.5	9.29 (8.20, 10.37)	44.04 (41.68, 46.41)	13.60 (12.10, 15.29)	64.50 (61.12, 68.07)
26-44 years	141	673	621,201	483,193.6	2.27 (1.90, 2.64)	10.83 (10.02, 11.65)	2.92 (2.47, 3.44)	13.93 (12.91, 15.02)
45-64 years	62	169	463,468	379,054.9	1.34 (1.00, 1.67)	3.65 (3.10, 4.20)	1.64 (1.28, 2.10)	4.46 (3.83, 5.18)
<i>Unknown, 2021</i>								
18-25 years	242	1,075	295,260	211,136.3	8.20 (7.16, 9.23)	36.41 (34.24, 38.58)	11.46 (10.10, 13.00)	50.91 (47.96, 54.05)
26-44 years	129	390	607,894	499,748.5	2.12 (1.76, 2.49)	6.42 (5.78, 7.05)	2.58 (2.17, 3.07)	7.80 (7.07, 8.62)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	74	165	466,864	396,230.4	1.59 (1.22, 1.95)	3.53 (3.00, 4.07)	1.87 (1.49, 2.35)	4.16 (3.57, 4.85)
<i>Adult and Medical, 2021</i>								
18-25 years	21,521	113,956	1,947,715	1,405,673.5	110.49 (109.03, 111.96)	585.08 (581.78, 588.37)	153.10 (151.07, 155.16)	810.69 (805.99, 815.41)
26-44 years	23,120	90,815	4,576,968	3,380,695.7	50.51 (49.86, 51.16)	198.42 (197.14, 199.70)	68.39 (67.51, 69.28)	268.63 (266.89, 270.38)
45-64 years	15,911	45,039	4,314,800	3,524,291.7	36.88 (36.30, 37.45)	104.38 (103.42, 105.34)	45.15 (44.45, 45.85)	127.80 (126.62, 128.98)
<i>Medical, 2021</i>								
18-25 years	36,596	205,885	3,194,845	2,362,119.0	114.55 (113.38, 115.71)	644.43 (641.74, 647.12)	154.93 (153.35, 156.52)	871.61 (867.85, 875.38)
26-44 years	36,853	159,139	7,379,738	5,520,785.5	49.94 (49.43, 50.45)	215.64 (214.60, 216.69)	66.75 (66.08, 67.44)	288.25 (286.84, 289.67)
45-64 years	29,180	96,791	8,100,523	6,662,692.5	36.02 (35.61, 36.43)	119.49 (118.74, 120.24)	43.80 (43.30, 44.30)	145.27 (144.36, 146.19)
<i>Illegal, 2021</i>								
18-25 years	24,612	129,441	2,356,849	1,723,530.5	104.43 (103.13, 105.73)	549.21 (546.30, 552.12)	142.80 (141.03, 144.60)	751.02 (746.94, 755.12)
26-44 years	27,371	152,351	5,406,069	4,010,130.1	50.63 (50.03, 51.23)	281.81 (280.42, 283.21)	68.25 (67.45, 69.07)	379.92 (378.01, 381.83)
45-64 years	19,382	72,234	5,788,925	4,702,903.6	33.48 (33.01, 33.95)	124.78 (123.88, 125.68)	41.21 (40.64, 41.80)	153.59 (152.48, 154.72)
<i>Illegal, 2022</i>								
18-25 years	24,638	127,229	2,356,911	1,685,463.4	104.54 (103.24, 105.83)	539.81 (536.93, 542.70)	146.18 (144.37, 148.02)	754.86 (750.72, 759.02)
26-44 years	29,410	171,041	5,462,284	3,910,123.1	53.84 (53.23, 54.46)	313.13 (311.67, 314.59)	75.22 (74.36, 76.08)	437.43 (435.36, 439.51)
45-64 years	21,940	86,488	5,716,446	4,556,718.3	38.38 (37.87, 38.89)	151.30 (150.30, 152.30)	48.15 (47.52, 48.79)	189.80 (188.54, 191.07)
<i>Adult and Medical, 2022</i>								
18-25 years	22,151	112,797	2,046,504	1,442,255.0	108.24 (106.82, 109.66)	551.17 (548.04, 554.30)	153.59 (151.58, 155.62)	782.09 (777.54, 786.67)
26-44 years	26,410	107,587	4,861,445	3,457,186.9	54.33 (53.67, 54.98)	221.31 (220.00, 222.61)	76.39 (75.48, 77.32)	311.20 (309.34, 313.06)
45-64 years	18,802	52,916	4,480,443	3,562,158.0	41.96 (41.37, 42.56)	118.10 (117.10, 119.10)	52.78 (52.03, 53.54)	148.55 (147.29, 149.82)
<i>Medical, 2022</i>								
18-25 years	37,409	204,503	3,233,717	2,362,878.4	115.68 (114.52, 116.85)	632.41 (629.76, 635.06)	158.32 (156.72, 159.93)	865.48 (861.74, 869.24)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	42,086	173,897	7,574,981	5,514,451.1	55.56 (55.03, 56.09)	229.57 (228.50, 230.63)	76.32 (75.59, 77.05)	315.35 (313.87, 316.83)
45-64 years	34,626	108,459	8,168,517	6,629,497.3	42.39 (41.94, 42.84)	132.78 (131.99, 133.56)	52.23 (51.68, 52.78)	163.60 (162.63, 164.58)
<i>Unknown, 2022</i>								
18-25 years	166	586	307,848	201,072.1	5.39 (4.57, 6.21)	19.04 (17.50, 20.58)	8.26 (7.09, 9.61)	29.14 (26.88, 31.60)
26-44 years	128	402	586,952	448,810.7	2.18 (1.80, 2.56)	6.85 (6.18, 7.52)	2.85 (2.40, 3.39)	8.96 (8.12, 9.88)
45-64 years	72	199	456,787	366,651.0	1.58 (1.21, 1.94)	4.36 (3.75, 4.96)	1.96 (1.56, 2.47)	5.43 (4.72, 6.24)
Emergency Department Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Medical, 2017</i>								
18-25 years	8,051	9,805	3,454,751	2,455,325.9	23.30 (22.80, 23.81)	28.38 (27.82, 28.94)	32.79 (32.08, 33.51)	39.93 (39.15, 40.73)
26-44 years	5,527	6,823	7,583,000	5,500,482.3	7.29 (7.10, 7.48)	9.00 (8.78, 9.21)	10.05 (9.79, 10.32)	12.40 (12.11, 12.70)
45-64 years	3,372	4,478	7,972,122	6,347,328.7	4.23 (4.09, 4.37)	5.62 (5.45, 5.78)	5.31 (5.14, 5.49)	7.05 (6.85, 7.26)
<i>Unknown, 2017</i>								
18-25 years	140	156	240,506	155,437.2	5.82 (4.86, 6.79)	6.49 (5.47, 7.50)	9.01 (7.63, 10.63)	10.04 (8.58, 11.74)
26-44 years	56	61	445,074	328,415.0	1.26 (0.93, 1.59)	1.37 (1.03, 1.71)	1.71 (1.31, 2.22)	1.86 (1.45, 2.39)
45-64 years	23	28	279,922	224,909.3	0.82 (0.49, 1.16)	1.00 (0.63, 1.37)	1.02 (0.68, 1.54)	1.24 (0.86, 1.80)
<i>Adult and Medical, 2017</i>								
18-25 years	885	1,063	355,165	249,506.3	24.92 (23.28, 26.56)	29.93 (28.13, 31.73)	35.47 (33.21, 37.89)	42.60 (40.12, 45.24)
26-44 years	707	855	888,945	642,825.5	7.95 (7.37, 8.54)	9.62 (8.97, 10.26)	11.00 (10.22, 11.84)	13.30 (12.44, 14.22)
45-64 years	491	648	810,316	647,495.7	6.06 (5.52, 6.60)	8.00 (7.38, 8.61)	7.58 (6.94, 8.28)	10.01 (9.27, 10.81)
<i>Illegal, 2017</i>								
18-25 years	8,772	10,769	4,284,495	3,063,949.2	20.47 (20.05, 20.90)	25.13 (24.66, 25.61)	28.63 (28.04, 29.24)	35.15 (34.49, 35.82)
26-44 years	5,935	7,299	9,658,346	7,067,711.8	6.14 (5.99, 6.30)	7.56 (7.38, 7.73)	8.40 (8.19, 8.61)	10.33 (10.09, 10.57)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	3,901	5,268	10,583,731	8,497,126.8	3.69 (3.57, 3.80)	4.98 (4.84, 5.11)	4.59 (4.45, 4.74)	6.20 (6.03, 6.37)
<i>Unknown, 2018</i>								
18-25 years	99	123	250,144	156,996.3	3.96 (3.18, 4.74)	4.92 (4.05, 5.79)	6.31 (5.18, 7.68)	7.83 (6.57, 9.35)
26-44 years	52	63	506,398	368,046.8	1.03 (0.75, 1.31)	1.24 (0.94, 1.55)	1.41 (1.08, 1.85)	1.71 (1.34, 2.19)
45-64 years	27	30	364,118	267,703.2	0.74 (0.46, 1.02)	0.82 (0.53, 1.12)	1.01 (0.69, 1.47)	1.12 (0.78, 1.60)
<i>Adult and Medical, 2018</i>								
18-25 years	2,894	3,447	1,348,260	967,690.2	21.46 (20.68, 22.25)	25.57 (24.71, 26.42)	29.91 (28.84, 31.02)	35.62 (34.45, 36.83)
26-44 years	2,446	2,917	3,025,527	2,213,763.6	8.08 (7.76, 8.40)	9.64 (9.29, 9.99)	11.05 (10.62, 11.50)	13.18 (12.71, 13.66)
45-64 years	1,486	1,842	2,769,961	2,256,095.0	5.36 (5.09, 5.64)	6.65 (6.35, 6.95)	6.59 (6.26, 6.93)	8.16 (7.80, 8.55)
<i>Medical, 2018</i>								
18-25 years	7,010	8,769	2,600,939	1,854,530.7	26.95 (26.32, 27.58)	33.71 (33.01, 34.42)	37.80 (36.92, 38.69)	47.28 (46.30, 48.28)
26-44 years	4,816	6,046	5,740,931	4,160,957.9	8.39 (8.15, 8.63)	10.53 (10.27, 10.80)	11.57 (11.25, 11.91)	14.53 (14.17, 14.90)
45-64 years	3,104	4,151	6,164,582	4,934,099.9	5.04 (4.86, 5.21)	6.73 (6.53, 6.94)	6.29 (6.07, 6.52)	8.41 (8.16, 8.67)
<i>Illegal, 2018</i>								
18-25 years	8,594	10,483	4,053,162	2,925,271.7	21.20 (20.76, 21.65)	25.86 (25.37, 26.36)	29.38 (28.76, 30.01)	35.84 (35.16, 36.53)
26-44 years	6,477	8,114	9,150,790	6,749,503.2	7.08 (6.91, 7.25)	8.87 (8.67, 9.06)	9.60 (9.37, 9.83)	12.02 (11.76, 12.29)
45-64 years	4,173	5,918	9,888,702	8,035,543.5	4.22 (4.09, 4.35)	5.98 (5.83, 6.14)	5.19 (5.04, 5.35)	7.36 (7.18, 7.55)
<i>Adult and Medical, 2019</i>								
18-25 years	3,231	3,819	1,453,241	1,049,307.2	22.23 (21.47, 23.00)	26.28 (25.45, 27.11)	30.79 (29.75, 31.87)	36.40 (35.26, 37.57)
26-44 years	2,645	3,140	3,277,558	2,404,339.4	8.07 (7.76, 8.38)	9.58 (9.25, 9.92)	11.00 (10.59, 11.43)	13.06 (12.61, 13.52)
45-64 years	1,647	2,080	3,017,399	2,463,115.6	5.46 (5.19, 5.72)	6.89 (6.60, 7.19)	6.69 (6.37, 7.02)	8.44 (8.09, 8.82)
<i>Illegal, 2019</i>								
18-25 years	6,841	8,356	3,256,516	2,357,641.9	21.01 (20.51, 21.50)	25.66 (25.11, 26.21)	29.02 (28.34, 29.71)	35.44 (34.69, 36.21)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	5,548	7,098	7,459,438	5,509,015.3	7.44 (7.24, 7.63)	9.52 (9.29, 9.74)	10.07 (9.81, 10.34)	12.88 (12.59, 13.19)
45-64 years	4,101	6,304	7,959,833	6,459,829.8	5.15 (4.99, 5.31)	7.92 (7.72, 8.12)	6.35 (6.16, 6.55)	9.76 (9.52, 10.00)
<i>Unknown, 2019</i>								
18-25 years	109	136	277,929	173,848.4	3.92 (3.19, 4.66)	4.89 (4.07, 5.72)	6.27 (5.20, 7.56)	7.82 (6.61, 9.25)
26-44 years	48	62	574,840	430,199.2	0.84 (0.60, 1.07)	1.08 (0.81, 1.35)	1.12 (0.84, 1.48)	1.44 (1.12, 1.85)
45-64 years	21	24	422,148	332,497.8	0.50 (0.28, 0.71)	0.57 (0.34, 0.80)	0.63 (0.41, 0.97)	0.72 (0.48, 1.08)
<i>Medical, 2019</i>								
18-25 years	8,573	10,819	3,359,541	2,384,381.3	25.52 (24.98, 26.06)	32.20 (31.60, 32.81)	35.95 (35.20, 36.72)	45.37 (44.53, 46.24)
26-44 years	6,641	8,355	7,357,846	5,299,868.2	9.03 (8.81, 9.24)	11.36 (11.11, 11.60)	12.53 (12.23, 12.84)	15.76 (15.43, 16.11)
45-64 years	4,668	6,793	7,999,712	6,301,710.0	5.84 (5.67, 6.00)	8.49 (8.29, 8.69)	7.41 (7.20, 7.62)	10.78 (10.53, 11.04)
<i>Illegal, 2020</i>								
18-25 years	6,690	8,235	3,072,030	2,245,424.6	21.78 (21.26, 22.30)	26.81 (26.23, 27.38)	29.79 (29.09, 30.52)	36.67 (35.89, 37.48)
26-44 years	5,666	7,415	7,033,807	5,242,967.0	8.06 (7.85, 8.27)	10.54 (10.30, 10.78)	10.81 (10.53, 11.09)	14.14 (13.82, 14.47)
45-64 years	3,923	6,042	7,566,811	6,126,043.8	5.18 (5.02, 5.35)	7.98 (7.78, 8.19)	6.40 (6.21, 6.61)	9.86 (9.62, 10.11)
<i>Adult and Medical, 2020</i>								
18-25 years	3,834	4,692	1,778,647	1,291,774.3	21.56 (20.87, 22.24)	26.38 (25.63, 27.13)	29.68 (28.76, 30.63)	36.32 (35.30, 37.38)
26-44 years	3,475	4,365	4,072,102	3,032,516.8	8.53 (8.25, 8.82)	10.72 (10.40, 11.04)	11.46 (11.08, 11.85)	14.39 (13.97, 14.83)
45-64 years	2,113	2,911	3,806,906	3,113,418.2	5.55 (5.31, 5.79)	7.65 (7.37, 7.92)	6.79 (6.50, 7.08)	9.35 (9.02, 9.70)
<i>Medical, 2020</i>								
18-25 years	7,631	9,976	3,001,890	2,215,006.9	25.42 (24.85, 25.99)	33.23 (32.58, 33.88)	34.45 (33.69, 35.23)	45.04 (44.16, 45.93)
26-44 years	6,500	8,501	6,664,857	5,024,329.9	9.75 (9.52, 9.99)	12.75 (12.48, 13.03)	12.94 (12.63, 13.26)	16.92 (16.56, 17.28)
45-64 years	4,619	7,086	7,301,125	6,004,616.4	6.33 (6.14, 6.51)	9.71 (9.48, 9.93)	7.69 (7.47, 7.92)	11.80 (11.53, 12.08)
<i>Unknown, 2020</i>								

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	77	100	301,523	205,884.5	2.55 (1.98, 3.12)	3.32 (2.67, 3.97)	3.74 (2.99, 4.68)	4.86 (3.99, 5.91)
26-44 years	33	50	621,201	483,193.6	0.53 (0.35, 0.71)	0.80 (0.58, 1.03)	0.68 (0.49, 0.96)	1.03 (0.78, 1.37)
45-64 years	12	15	463,468	379,054.9	0.26 (0.11, 0.41)	0.32 (0.16, 0.49)	0.32 (0.18, 0.56)	0.40 (0.24, 0.66)
<i>Unknown, 2021</i>								
18-25 years	61	83	295,260	211,136.3	2.07 (1.55, 2.58)	2.81 (2.21, 3.42)	2.89 (2.25, 3.71)	3.93 (3.17, 4.87)
26-44 years	26	49	607,894	499,748.5	0.43 (0.26, 0.59)	0.81 (0.58, 1.03)	0.52 (0.35, 0.76)	0.98 (0.74, 1.30)
45-64 years	19	23	466,864	396,230.4	0.41 (0.22, 0.59)	0.49 (0.29, 0.69)	0.48 (0.31, 0.75)	0.58 (0.39, 0.87)
<i>Adult and Medical, 2021</i>								
18-25 years	4,427	5,534	1,947,715	1,405,673.5	22.73 (22.06, 23.40)	28.41 (27.67, 29.16)	31.49 (30.58, 32.44)	39.37 (38.35, 40.42)
26-44 years	4,223	5,495	4,576,968	3,380,695.7	9.23 (8.95, 9.50)	12.01 (11.69, 12.32)	12.49 (12.12, 12.87)	16.25 (15.83, 16.69)
45-64 years	2,866	4,225	4,314,800	3,524,291.7	6.64 (6.40, 6.89)	9.79 (9.50, 10.09)	8.13 (7.84, 8.44)	11.99 (11.63, 12.36)
<i>Medical, 2021</i>								
18-25 years	8,465	10,972	3,194,845	2,362,119.0	26.50 (25.93, 27.06)	34.34 (33.70, 34.98)	35.84 (35.08, 36.61)	46.45 (45.59, 47.33)
26-44 years	7,825	10,358	7,379,738	5,520,785.5	10.60 (10.37, 10.84)	14.04 (13.77, 14.31)	14.17 (13.86, 14.49)	18.76 (18.40, 19.13)
45-64 years	5,854	9,046	8,100,523	6,662,692.5	7.23 (7.04, 7.41)	11.17 (10.94, 11.40)	8.79 (8.56, 9.01)	13.58 (13.30, 13.86)
<i>Illegal, 2021</i>								
18-25 years	5,404	6,812	2,356,849	1,723,530.5	22.93 (22.32, 23.54)	28.90 (28.22, 29.59)	31.35 (30.53, 32.20)	39.52 (38.60, 40.47)
26-44 years	5,492	7,280	5,406,069	4,010,130.1	10.16 (9.89, 10.43)	13.47 (13.16, 13.78)	13.70 (13.34, 14.06)	18.15 (17.74, 18.58)
45-64 years	3,984	6,407	5,788,925	4,702,903.6	6.88 (6.67, 7.10)	11.07 (10.80, 11.34)	8.47 (8.21, 8.74)	13.62 (13.29, 13.96)
<i>Illegal, 2022</i>								
18-25 years	5,674	7,038	2,356,911	1,685,463.4	24.07 (23.45, 24.70)	29.86 (29.16, 30.56)	33.66 (32.80, 34.55)	41.76 (40.79, 42.74)
26-44 years	6,182	8,443	5,462,284	3,910,123.1	11.32 (11.04, 11.60)	15.46 (15.13, 15.79)	15.81 (15.42, 16.21)	21.59 (21.14, 22.06)
45-64 years	5,009	7,960	5,716,446	4,556,718.3	8.76 (8.52, 9.00)	13.92 (13.62, 14.23)	10.99 (10.69, 11.30)	17.47 (17.09, 17.86)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Adult and Medical, 2022</i>								
18-25 years	4,913	6,211	2,046,504	1,442,255.0	24.01 (23.34, 24.68)	30.35 (29.60, 31.10)	34.06 (33.13, 35.03)	43.06 (42.01, 44.15)
26-44 years	5,094	6,466	4,861,445	3,457,186.9	10.48 (10.19, 10.77)	13.30 (12.98, 13.62)	14.73 (14.34, 15.14)	18.70 (18.25, 19.16)
45-64 years	3,806	5,502	4,480,443	3,562,158.0	8.49 (8.22, 8.76)	12.28 (11.96, 12.60)	10.68 (10.35, 11.03)	15.45 (15.04, 15.86)
<i>Medical, 2022</i>								
18-25 years	9,204	11,806	3,233,717	2,362,878.4	28.46 (27.88, 29.04)	36.51 (35.85, 37.17)	38.95 (38.16, 39.76)	49.96 (49.07, 50.87)
26-44 years	9,671	12,773	7,574,981	5,514,451.1	12.77 (12.51, 13.02)	16.86 (16.57, 17.15)	17.54 (17.19, 17.89)	23.16 (22.76, 23.57)
45-64 years	7,813	11,871	8,168,517	6,629,497.3	9.56 (9.35, 9.78)	14.53 (14.27, 14.79)	11.79 (11.53, 12.05)	17.91 (17.59, 18.23)
<i>Unknown, 2022</i>								
18-25 years	38	48	307,848	201,072.1	1.23 (0.84, 1.63)	1.56 (1.12, 2.00)	1.89 (1.38, 2.60)	2.39 (1.80, 3.17)
26-44 years	36	38	586,952	448,810.7	0.61 (0.41, 0.81)	0.65 (0.44, 0.85)	0.80 (0.58, 1.11)	0.85 (0.62, 1.16)
45-64 years	13	16	456,787	366,651.0	0.28 (0.13, 0.44)	0.35 (0.18, 0.52)	0.35 (0.21, 0.61)	0.44 (0.27, 0.71)
Inpatient Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Medical, 2017</i>								
18-25 years	6,980	8,714	3,454,751	2,455,325.9	20.20 (19.73, 20.68)	25.22 (24.69, 25.75)	28.43 (27.77, 29.10)	35.49 (34.75, 36.24)
26-44 years	4,582	5,391	7,583,000	5,500,482.3	6.04 (5.87, 6.22)	7.11 (6.92, 7.30)	8.33 (8.09, 8.57)	9.80 (9.54, 10.07)
45-64 years	3,626	4,090	7,972,122	6,347,328.7	4.55 (4.40, 4.70)	5.13 (4.97, 5.29)	5.71 (5.53, 5.90)	6.44 (6.25, 6.64)
<i>Unknown, 2017</i>								
18-25 years	176	221	240,506	155,437.2	7.32 (6.24, 8.40)	9.19 (7.98, 10.40)	11.32 (9.77, 13.13)	14.22 (12.46, 16.22)
26-44 years	64	74	445,074	328,415.0	1.44 (1.09, 1.79)	1.66 (1.28, 2.04)	1.95 (1.53, 2.49)	2.25 (1.79, 2.83)
45-64 years	35	37	279,922	224,909.3	1.25 (0.84, 1.66)	1.32 (0.90, 1.75)	1.56 (1.12, 2.17)	1.65 (1.19, 2.27)
<i>Adult and Medical, 2017</i>								

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	681	821	355,165	249,506.3	19.17 (17.74, 20.61)	23.12 (21.54, 24.70)	27.29 (25.32, 29.42)	32.90 (30.73, 35.23)
26-44 years	646	750	888,945	642,825.5	7.27 (6.71, 7.83)	8.44 (7.83, 9.04)	10.05 (9.30, 10.86)	11.67 (10.86, 12.53)
45-64 years	543	588	810,316	647,495.7	6.70 (6.14, 7.26)	7.26 (6.67, 7.84)	8.39 (7.71, 9.12)	9.08 (8.38, 9.85)
<i>Illegal, 2017</i>								
18-25 years	9,157	11,396	4,284,495	3,063,949.2	21.37 (20.94, 21.81)	26.60 (26.11, 27.09)	29.89 (29.28, 30.50)	37.19 (36.52, 37.88)
26-44 years	5,431	6,287	9,658,346	7,067,711.8	5.62 (5.47, 5.77)	6.51 (6.35, 6.67)	7.68 (7.48, 7.89)	8.90 (8.68, 9.12)
45-64 years	4,240	4,790	10,583,731	8,497,126.8	4.01 (3.89, 4.13)	4.53 (4.40, 4.65)	4.99 (4.84, 5.14)	5.64 (5.48, 5.80)
<i>Unknown, 2018</i>								
18-25 years	135	179	250,144	156,996.3	5.40 (4.49, 6.31)	7.16 (6.11, 8.20)	8.60 (7.26, 10.18)	11.40 (9.85, 13.20)
26-44 years	52	66	506,398	368,046.8	1.03 (0.75, 1.31)	1.30 (0.99, 1.62)	1.41 (1.08, 1.85)	1.79 (1.41, 2.28)
45-64 years	31	36	364,118	267,703.2	0.85 (0.55, 1.15)	0.99 (0.67, 1.31)	1.16 (0.81, 1.65)	1.34 (0.97, 1.86)
<i>Adult and Medical, 2018</i>								
18-25 years	2,530	3,209	1,348,260	967,690.2	18.76 (18.03, 19.50)	23.80 (22.98, 24.62)	26.14 (25.15, 27.18)	33.16 (32.03, 34.33)
26-44 years	2,037	2,377	3,025,527	2,213,763.6	6.73 (6.44, 7.02)	7.86 (7.54, 8.17)	9.20 (8.81, 9.61)	10.74 (10.31, 11.18)
45-64 years	1,650	1,832	2,769,961	2,256,095.0	5.96 (5.67, 6.24)	6.61 (6.31, 6.92)	7.31 (6.97, 7.68)	8.12 (7.76, 8.50)
<i>Medical, 2018</i>								
18-25 years	5,120	6,366	2,600,939	1,854,530.7	19.69 (19.15, 20.22)	24.48 (23.88, 25.08)	27.61 (26.86, 28.37)	34.33 (33.49, 35.18)
26-44 years	3,744	4,364	5,740,931	4,160,957.9	6.52 (6.31, 6.73)	7.60 (7.38, 7.83)	9.00 (8.71, 9.29)	10.49 (10.18, 10.80)
45-64 years	3,075	3,534	6,164,582	4,934,099.9	4.99 (4.81, 5.16)	5.73 (5.54, 5.92)	6.23 (6.02, 6.46)	7.16 (6.93, 7.40)
<i>Illegal, 2018</i>								
18-25 years	8,573	10,678	4,053,162	2,925,271.7	21.15 (20.70, 21.60)	26.34 (25.85, 26.84)	29.31 (28.69, 29.93)	36.50 (35.82, 37.20)
26-44 years	5,509	6,280	9,150,790	6,749,503.2	6.02 (5.86, 6.18)	6.86 (6.69, 7.03)	8.16 (7.95, 8.38)	9.30 (9.08, 9.54)
45-64 years	4,618	5,340	9,888,702	8,035,543.5	4.67 (4.54, 4.80)	5.40 (5.26, 5.54)	5.75 (5.58, 5.92)	6.65 (6.47, 6.83)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Adult and Medical, 2019</i>								
18-25 years	2,654	3,355	1,453,241	1,049,307.2	18.26 (17.57, 18.96)	23.09 (22.31, 23.87)	25.29 (24.35, 26.27)	31.97 (30.91, 33.07)
26-44 years	2,368	2,756	3,277,558	2,404,339.4	7.22 (6.93, 7.52)	8.41 (8.09, 8.72)	9.85 (9.46, 10.25)	11.46 (11.04, 11.90)
45-64 years	1,859	2,110	3,017,399	2,463,115.6	6.16 (5.88, 6.44)	6.99 (6.69, 7.29)	7.55 (7.21, 7.90)	8.57 (8.21, 8.94)
<i>Illegal, 2019</i>								
18-25 years	7,046	8,963	3,256,516	2,357,641.9	21.64 (21.13, 22.14)	27.52 (26.95, 28.09)	29.89 (29.20, 30.59)	38.02 (37.24, 38.81)
26-44 years	5,153	6,118	7,459,438	5,509,015.3	6.91 (6.72, 7.10)	8.20 (8.00, 8.41)	9.35 (9.10, 9.61)	11.11 (10.83, 11.39)
45-64 years	4,568	5,386	7,959,833	6,459,829.8	5.74 (5.57, 5.91)	6.77 (6.59, 6.95)	7.07 (6.87, 7.28)	8.34 (8.12, 8.56)
<i>Unknown, 2019</i>								
18-25 years	90	104	277,929	173,848.4	3.24 (2.57, 3.91)	3.74 (3.02, 4.46)	5.18 (4.21, 6.36)	5.98 (4.94, 7.25)
26-44 years	44	51	574,840	430,199.2	0.77 (0.54, 0.99)	0.89 (0.64, 1.13)	1.02 (0.76, 1.37)	1.19 (0.90, 1.56)
45-64 years	34	38	422,148	332,497.8	0.81 (0.53, 1.08)	0.90 (0.61, 1.19)	1.02 (0.73, 1.43)	1.14 (0.83, 1.57)
<i>Medical, 2019</i>								
18-25 years	6,368	8,137	3,359,541	2,384,381.3	18.95 (18.49, 19.42)	24.22 (23.69, 24.75)	26.71 (26.06, 27.37)	34.13 (33.39, 34.88)
26-44 years	5,229	6,137	7,357,846	5,299,868.2	7.11 (6.91, 7.30)	8.34 (8.13, 8.55)	9.87 (9.60, 10.14)	11.58 (11.29, 11.87)
45-64 years	4,916	5,682	7,999,712	6,301,710.0	6.15 (5.97, 6.32)	7.10 (6.92, 7.29)	7.80 (7.59, 8.02)	9.02 (8.79, 9.25)
<i>Illegal, 2020</i>								
18-25 years	7,058	9,096	3,072,030	2,245,424.6	22.98 (22.44, 23.51)	29.61 (29.00, 30.22)	31.43 (30.71, 32.17)	40.51 (39.69, 41.35)
26-44 years	5,471	6,635	7,033,807	5,242,967.0	7.78 (7.57, 7.98)	9.43 (9.21, 9.66)	10.43 (10.16, 10.72)	12.66 (12.35, 12.96)
45-64 years	4,736	5,631	7,566,811	6,126,043.8	6.26 (6.08, 6.44)	7.44 (7.25, 7.64)	7.73 (7.51, 7.95)	9.19 (8.95, 9.44)
<i>Adult and Medical, 2020</i>								
18-25 years	3,504	4,530	1,778,647	1,291,774.3	19.70 (19.05, 20.35)	25.47 (24.73, 26.21)	27.13 (26.24, 28.04)	35.07 (34.06, 36.10)
26-44 years	3,118	3,742	4,072,102	3,032,516.8	7.66 (7.39, 7.93)	9.19 (8.90, 9.48)	10.28 (9.93, 10.65)	12.34 (11.95, 12.74)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	2,457	2,798	3,806,906	3,113,418.2	6.45 (6.20, 6.71)	7.35 (7.08, 7.62)	7.89 (7.59, 8.21)	8.99 (8.66, 9.33)
<i>Medical, 2020</i>								
18-25 years	6,010	7,849	3,001,890	2,215,006.9	20.02 (19.52, 20.53)	26.15 (25.57, 26.72)	27.13 (26.46, 27.83)	35.44 (34.66, 36.23)
26-44 years	5,285	6,334	6,664,857	5,024,329.9	7.93 (7.72, 8.14)	9.50 (9.27, 9.74)	10.52 (10.24, 10.81)	12.61 (12.30, 12.92)
45-64 years	4,793	5,644	7,301,125	6,004,616.4	6.56 (6.38, 6.75)	7.73 (7.53, 7.93)	7.98 (7.76, 8.21)	9.40 (9.16, 9.65)
<i>Unknown, 2020</i>								
18-25 years	50	63	301,523	205,884.5	1.66 (1.20, 2.12)	2.09 (1.57, 2.61)	2.43 (1.84, 3.20)	3.06 (2.39, 3.92)
26-44 years	32	38	621,201	483,193.6	0.52 (0.34, 0.69)	0.61 (0.42, 0.81)	0.66 (0.47, 0.94)	0.79 (0.57, 1.08)
45-64 years	18	22	463,468	379,054.9	0.39 (0.21, 0.57)	0.47 (0.28, 0.67)	0.47 (0.30, 0.75)	0.58 (0.38, 0.88)
<i>Unknown, 2021</i>								
18-25 years	40	46	295,260	211,136.3	1.35 (0.93, 1.77)	1.56 (1.11, 2.01)	1.89 (1.39, 2.58)	2.18 (1.63, 2.91)
26-44 years	19	24	607,894	499,748.5	0.31 (0.17, 0.45)	0.39 (0.24, 0.55)	0.38 (0.24, 0.60)	0.48 (0.32, 0.72)
45-64 years	18	18	466,864	396,230.4	0.39 (0.21, 0.56)	0.39 (0.21, 0.56)	0.45 (0.29, 0.72)	0.45 (0.29, 0.72)
<i>Adult and Medical, 2021</i>								
18-25 years	3,920	4,981	1,947,715	1,405,673.5	20.13 (19.50, 20.76)	25.57 (24.86, 26.28)	27.89 (27.03, 28.77)	35.43 (34.46, 36.43)
26-44 years	3,856	4,559	4,576,968	3,380,695.7	8.42 (8.16, 8.69)	9.96 (9.67, 10.25)	11.41 (11.05, 11.77)	13.49 (13.10, 13.88)
45-64 years	3,187	3,752	4,314,800	3,524,291.7	7.39 (7.13, 7.64)	8.70 (8.42, 8.97)	9.04 (8.73, 9.36)	10.65 (10.31, 10.99)
<i>Medical, 2021</i>								
18-25 years	7,087	9,031	3,194,845	2,362,119.0	22.18 (21.67, 22.70)	28.27 (27.69, 28.85)	30.00 (29.31, 30.71)	38.23 (37.45, 39.03)
26-44 years	6,770	8,095	7,379,738	5,520,785.5	9.17 (8.96, 9.39)	10.97 (10.73, 11.21)	12.26 (11.97, 12.56)	14.66 (14.35, 14.99)
45-64 years	6,406	7,585	8,100,523	6,662,692.5	7.91 (7.71, 8.10)	9.36 (9.15, 9.57)	9.61 (9.38, 9.85)	11.38 (11.13, 11.64)
<i>Illegal, 2021</i>								
18-25 years	5,613	7,169	2,356,849	1,723,530.5	23.82 (23.19, 24.44)	30.42 (29.71, 31.12)	32.57 (31.73, 33.43)	41.59 (40.64, 42.57)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	4,821	5,856	5,406,069	4,010,130.1	8.92 (8.67, 9.17)	10.83 (10.55, 11.11)	12.02 (11.69, 12.37)	14.60 (14.23, 14.98)
45-64 years	4,372	5,260	5,788,925	4,702,903.6	7.55 (7.33, 7.78)	9.09 (8.84, 9.33)	9.30 (9.02, 9.58)	11.18 (10.89, 11.49)
<i>Illegal, 2022</i>								
18-25 years	4,998	6,348	2,356,911	1,685,463.4	21.21 (20.62, 21.79)	26.93 (26.27, 27.60)	29.65 (28.84, 30.49)	37.66 (36.75, 38.60)
26-44 years	4,512	5,479	5,462,284	3,910,123.1	8.26 (8.02, 8.50)	10.03 (9.77, 10.30)	11.54 (11.21, 11.88)	14.01 (13.65, 14.39)
45-64 years	4,172	5,085	5,716,446	4,556,718.3	7.30 (7.08, 7.52)	8.90 (8.65, 9.14)	9.16 (8.88, 9.44)	11.16 (10.86, 11.47)
<i>Adult and Medical, 2022</i>								
18-25 years	3,526	4,421	2,046,504	1,442,255.0	17.23 (16.66, 17.80)	21.60 (20.97, 22.24)	24.45 (23.65, 25.27)	30.65 (29.76, 31.57)
26-44 years	3,575	4,188	4,861,445	3,457,186.9	7.35 (7.11, 7.59)	8.61 (8.35, 8.88)	10.34 (10.01, 10.69)	12.11 (11.75, 12.49)
45-64 years	2,963	3,420	4,480,443	3,562,158.0	6.61 (6.38, 6.85)	7.63 (7.38, 7.89)	8.32 (8.02, 8.62)	9.60 (9.28, 9.93)
<i>Medical, 2022</i>								
18-25 years	6,408	7,941	3,233,717	2,362,878.4	19.82 (19.33, 20.30)	24.56 (24.02, 25.10)	27.12 (26.46, 27.79)	33.61 (32.88, 34.35)
26-44 years	6,498	7,714	7,574,981	5,514,451.1	8.58 (8.37, 8.79)	10.18 (9.96, 10.41)	11.78 (11.50, 12.07)	13.99 (13.68, 14.30)
45-64 years	6,099	7,151	8,168,517	6,629,497.3	7.47 (7.28, 7.65)	8.75 (8.55, 8.96)	9.20 (8.97, 9.43)	10.79 (10.54, 11.04)
<i>Unknown, 2022</i>								
18-25 years	19	24	307,848	201,072.1	0.62 (0.34, 0.89)	0.78 (0.47, 1.09)	0.94 (0.60, 1.48)	1.19 (0.80, 1.78)
26-44 years	19	21	586,952	448,810.7	0.32 (0.18, 0.47)	0.36 (0.20, 0.51)	0.42 (0.27, 0.66)	0.47 (0.31, 0.72)
45-64 years	12	14	456,787	366,651.0	0.26 (0.11, 0.41)	0.31 (0.15, 0.47)	0.33 (0.19, 0.58)	0.38 (0.23, 0.64)

Outpatient Care Setting

Any Cannabis-Related Disorder or Cannabis Poisoning

Medical, 2017

18-25 years	22,824	199,422	3,454,751	2,455,325.9	66.07 (65.21, 66.92)	577.24 (574.78, 579.70)	92.96 (91.76, 94.17)	812.20 (808.64, 815.77)
26-44 years	14,575	82,064	7,583,000	5,500,482.3	19.22 (18.91, 19.53)	108.22 (107.48, 108.96)	26.50 (26.07, 26.93)	149.19 (148.18, 150.22)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	9,537	37,549	7,972,122	6,347,328.7	11.96 (11.72, 12.20)	47.10 (46.63, 47.58)	15.03 (14.73, 15.33)	59.16 (58.56, 59.76)
<i>Unknown, 2017</i>								
18-25 years	466	3,242	240,506	155,437.2	19.38 (17.62, 21.13)	134.80 (130.19, 139.41)	29.98 (27.38, 32.83)	208.57 (201.52, 215.88)
26-44 years	132	648	445,074	328,415.0	2.97 (2.46, 3.47)	14.56 (13.44, 15.68)	4.02 (3.39, 4.77)	19.73 (18.27, 21.31)
45-64 years	61	256	279,922	224,909.3	2.18 (1.63, 2.73)	9.15 (8.03, 10.27)	2.71 (2.11, 3.49)	11.38 (10.07, 12.87)
<i>Adult and Medical, 2017</i>								
18-25 years	2,665	20,257	355,165	249,506.3	75.04 (72.20, 77.87)	570.35 (562.73, 577.98)	106.81 (102.83, 110.94)	811.88 (800.78, 823.14)
26-44 years	2,359	10,620	888,945	642,825.5	26.54 (25.47, 27.61)	119.47 (117.21, 121.73)	36.70 (35.25, 38.21)	165.21 (162.10, 168.38)
45-64 years	1,591	4,604	810,316	647,495.7	19.63 (18.67, 20.60)	56.82 (55.18, 58.45)	24.57 (23.39, 25.81)	71.10 (69.08, 73.19)
<i>Illegal, 2017</i>								
18-25 years	26,934	202,998	4,284,495	3,063,949.2	62.86 (62.12, 63.61)	473.80 (471.79, 475.81)	87.91 (86.86, 88.96)	662.54 (659.66, 665.43)
26-44 years	16,287	75,261	9,658,346	7,067,711.8	16.86 (16.60, 17.12)	77.92 (77.37, 78.48)	23.04 (22.69, 23.40)	106.49 (105.73, 107.25)
45-64 years	10,929	38,593	10,583,731	8,497,126.8	10.33 (10.13, 10.52)	36.46 (36.10, 36.83)	12.86 (12.62, 13.11)	45.42 (44.97, 45.87)
<i>Unknown, 2018</i>								
18-25 years	366	3,407	250,144	156,996.3	14.63 (13.13, 16.13)	136.20 (131.66, 140.74)	23.31 (21.04, 25.83)	217.01 (209.85, 224.42)
26-44 years	132	854	506,398	368,046.8	2.61 (2.16, 3.05)	16.86 (15.73, 17.99)	3.59 (3.02, 4.25)	23.20 (21.70, 24.81)
45-64 years	83	357	364,118	267,703.2	2.28 (1.79, 2.77)	9.80 (8.79, 10.82)	3.10 (2.50, 3.84)	13.34 (12.02, 14.79)
<i>Adult and Medical, 2018</i>								
18-25 years	8,611	66,923	1,348,260	967,690.2	63.87 (62.52, 65.21)	496.37 (492.70, 500.03)	88.99 (87.13, 90.88)	691.57 (686.35, 696.83)
26-44 years	7,289	35,295	3,025,527	2,213,763.6	24.09 (23.54, 24.64)	116.66 (115.45, 117.87)	32.93 (32.18, 33.69)	159.43 (157.78, 161.11)
45-64 years	4,741	15,528	2,769,961	2,256,095.0	17.12 (16.63, 17.60)	56.06 (55.18, 56.94)	21.01 (20.42, 21.62)	68.83 (67.75, 69.92)
<i>Medical, 2018</i>								
18-25 years	19,901	168,221	2,600,939	1,854,530.7	76.51 (75.46, 77.57)	646.77 (643.78, 649.76)	107.31 (105.83, 108.81)	907.08 (902.76, 911.43)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	13,805	76,933	5,740,931	4,160,957.9	24.05 (23.65, 24.45)	134.01 (133.07, 134.95)	33.18 (32.63, 33.74)	184.89 (183.59, 186.20)
45-64 years	9,425	38,102	6,164,582	4,934,099.9	15.29 (14.98, 15.60)	61.81 (61.19, 62.43)	19.10 (18.72, 19.49)	77.22 (76.45, 78.00)
<i>Illegal, 2018</i>								
18-25 years	27,225	200,584	4,053,162	2,925,271.7	67.17 (66.37, 67.96)	494.88 (492.77, 496.99)	93.07 (91.97, 94.18)	685.69 (682.70, 688.70)
26-44 years	18,422	85,837	9,150,790	6,749,503.2	20.13 (19.84, 20.42)	93.80 (93.18, 94.43)	27.29 (26.90, 27.69)	127.18 (126.33, 128.03)
45-64 years	12,858	42,588	9,888,702	8,035,543.5	13.00 (12.78, 13.23)	43.07 (42.66, 43.48)	16.00 (15.73, 16.28)	53.00 (52.50, 53.51)
<i>Adult and Medical, 2019</i>								
18-25 years	10,410	73,931	1,453,241	1,049,307.2	71.63 (70.26, 73.00)	508.73 (505.16, 512.30)	99.21 (97.32, 101.13)	704.57 (699.51, 709.67)
26-44 years	9,327	44,772	3,277,558	2,404,339.4	28.46 (27.88, 29.03)	136.60 (135.35, 137.86)	38.79 (38.01, 39.59)	186.21 (184.50, 187.95)
45-64 years	5,779	18,878	3,017,399	2,463,115.6	19.15 (18.66, 19.65)	62.56 (61.67, 63.45)	23.46 (22.86, 24.07)	76.64 (75.56, 77.74)
<i>Illegal, 2019</i>								
18-25 years	21,793	146,654	3,256,516	2,357,641.9	66.92 (66.04, 67.81)	450.34 (448.09, 452.59)	92.44 (91.22, 93.67)	622.04 (618.86, 625.23)
26-44 years	17,445	77,274	7,459,438	5,509,015.3	23.39 (23.04, 23.73)	103.59 (102.87, 104.32)	31.67 (31.20, 32.14)	140.27 (139.28, 141.26)
45-64 years	12,036	41,357	7,959,833	6,459,829.8	15.12 (14.85, 15.39)	51.96 (51.46, 52.46)	18.63 (18.30, 18.97)	64.02 (63.41, 64.64)
<i>Unknown, 2019</i>								
18-25 years	288	1,640	277,929	173,848.4	10.36 (9.17, 11.56)	59.01 (56.16, 61.86)	16.57 (14.76, 18.59)	94.34 (89.88, 99.01)
26-44 years	140	716	574,840	430,199.2	2.44 (2.03, 2.84)	12.46 (11.54, 13.37)	3.25 (2.76, 3.84)	16.64 (15.47, 17.91)
45-64 years	60	215	422,148	332,497.8	1.42 (1.06, 1.78)	5.09 (4.41, 5.77)	1.80 (1.40, 2.32)	6.47 (5.66, 7.39)
<i>Medical, 2019</i>								
18-25 years	26,426	202,049	3,359,541	2,384,381.3	78.66 (77.71, 79.60)	601.42 (598.88, 603.96)	110.83 (109.50, 112.17)	847.39 (843.70, 851.09)
26-44 years	21,238	110,713	7,357,846	5,299,868.2	28.86 (28.48, 29.25)	150.47 (149.59, 151.35)	40.07 (39.54, 40.62)	208.90 (207.67, 210.13)
45-64 years	14,935	57,135	7,999,712	6,301,710.0	18.67 (18.37, 18.97)	71.42 (70.84, 72.00)	23.70 (23.32, 24.08)	90.67 (89.93, 91.41)
<i>Illegal, 2020</i>								

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	21,620	138,516	3,072,030	2,245,424.6	70.38 (69.44, 71.31)	450.89 (448.57, 453.21)	96.28 (95.01, 97.58)	616.88 (613.64, 620.14)
26-44 years	20,237	104,622	7,033,807	5,242,967.0	28.77 (28.38, 29.17)	148.74 (147.85, 149.64)	38.60 (38.07, 39.13)	199.55 (198.34, 200.76)
45-64 years	13,680	51,558	7,566,811	6,126,043.8	18.08 (17.78, 18.38)	68.14 (67.55, 68.72)	22.33 (21.96, 22.71)	84.16 (83.44, 84.89)
<i>Adult and Medical, 2020</i>								
18-25 years	13,507	90,727	1,778,647	1,291,774.3	75.94 (74.66, 77.22)	510.09 (506.86, 513.32)	104.56 (102.81, 106.34)	702.34 (697.79, 706.93)
26-44 years	13,272	62,751	4,072,102	3,032,516.8	32.59 (32.04, 33.15)	154.10 (152.90, 155.30)	43.77 (43.03, 44.52)	206.93 (205.31, 208.55)
45-64 years	8,276	28,144	3,806,906	3,113,418.2	21.74 (21.27, 22.21)	73.93 (73.07, 74.79)	26.58 (26.02, 27.16)	90.40 (89.35, 91.46)
<i>Medical, 2020</i>								
18-25 years	23,082	172,577	3,001,890	2,215,006.9	76.89 (75.90, 77.88)	574.89 (572.26, 577.53)	104.21 (102.87, 105.56)	779.13 (775.46, 782.81)
26-44 years	20,410	112,599	6,664,857	5,024,329.9	30.62 (30.20, 31.04)	168.94 (167.97, 169.92)	40.62 (40.07, 41.18)	224.11 (222.80, 225.42)
45-64 years	14,812	59,243	7,301,125	6,004,616.4	20.29 (19.96, 20.61)	81.14 (80.49, 81.79)	24.67 (24.27, 25.07)	98.66 (97.87, 99.46)
<i>Unknown, 2020</i>								
18-25 years	208	1,187	301,523	205,884.5	6.90 (5.96, 7.84)	39.37 (37.13, 41.60)	10.10 (8.82, 11.57)	57.65 (54.47, 61.03)
26-44 years	99	609	621,201	483,193.6	1.59 (1.28, 1.91)	9.80 (9.03, 10.58)	2.05 (1.68, 2.49)	12.60 (11.64, 13.65)
45-64 years	42	140	463,468	379,054.9	0.91 (0.63, 1.18)	3.02 (2.52, 3.52)	1.11 (0.82, 1.50)	3.69 (3.13, 4.36)
<i>Unknown, 2021</i>								
18-25 years	173	952	295,260	211,136.3	5.86 (4.99, 6.73)	32.24 (30.20, 34.29)	8.19 (7.06, 9.51)	45.09 (42.31, 48.05)
26-44 years	97	328	607,894	499,748.5	1.60 (1.28, 1.91)	5.40 (4.81, 5.98)	1.94 (1.59, 2.37)	6.56 (5.89, 7.31)
45-64 years	49	131	466,864	396,230.4	1.05 (0.76, 1.34)	2.81 (2.33, 3.29)	1.24 (0.93, 1.64)	3.31 (2.79, 3.92)
<i>Adult and Medical, 2021</i>								
18-25 years	16,994	104,379	1,947,715	1,405,673.5	87.25 (85.94, 88.56)	535.90 (532.74, 539.07)	120.90 (119.09, 122.73)	742.56 (738.06, 747.07)
26-44 years	18,055	81,719	4,576,968	3,380,695.7	39.45 (38.87, 40.02)	178.54 (177.33, 179.76)	53.41 (52.63, 54.19)	241.72 (240.07, 243.39)
45-64 years	11,830	37,534	4,314,800	3,524,291.7	27.42 (26.92, 27.91)	86.99 (86.11, 87.87)	33.57 (32.97, 34.18)	106.50 (105.43, 107.58)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Medical, 2021</i>								
18-25 years	27,634	186,931	3,194,845	2,362,119.0	86.50 (85.48, 87.51)	585.10 (582.53, 587.68)	116.99 (115.62, 118.38)	791.37 (787.79, 794.97)
26-44 years	27,347	141,651	7,379,738	5,520,785.5	37.06 (36.62, 37.50)	191.95 (190.96, 192.94)	49.53 (48.95, 50.13)	256.58 (255.24, 257.92)
45-64 years	20,487	80,811	8,100,523	6,662,692.5	25.29 (24.95, 25.64)	99.76 (99.08, 100.44)	30.75 (30.33, 31.17)	121.29 (120.46, 122.13)
<i>Illegal, 2021</i>								
18-25 years	18,388	116,437	2,356,849	1,723,530.5	78.02 (76.90, 79.14)	494.04 (491.27, 496.80)	106.69 (105.16, 108.24)	675.57 (671.70, 679.46)
26-44 years	20,822	139,633	5,406,069	4,010,130.1	38.52 (37.99, 39.04)	258.29 (256.95, 259.63)	51.92 (51.22, 52.63)	348.20 (346.38, 350.03)
45-64 years	13,432	60,684	5,788,925	4,702,903.6	23.20 (22.81, 23.59)	104.83 (104.00, 105.66)	28.56 (28.08, 29.05)	129.04 (128.01, 130.07)
<i>Illegal, 2022</i>								
18-25 years	18,683	115,107	2,356,911	1,685,463.4	79.27 (78.14, 80.40)	488.38 (485.63, 491.13)	110.85 (109.27, 112.45)	682.94 (679.01, 686.90)
26-44 years	22,825	157,915	5,462,284	3,910,123.1	41.79 (41.25, 42.33)	289.10 (287.70, 290.51)	58.37 (57.62, 59.14)	403.86 (401.87, 405.86)
45-64 years	15,640	73,873	5,716,446	4,556,718.3	27.36 (26.93, 27.79)	129.23 (128.30, 130.15)	34.32 (33.79, 34.87)	162.12 (160.95, 163.29)
<i>Adult and Medical, 2022</i>								
18-25 years	17,737	103,522	2,046,504	1,442,255.0	86.67 (85.40, 87.94)	505.85 (502.85, 508.85)	122.98 (121.18, 124.80)	717.78 (713.42, 722.16)
26-44 years	21,107	98,180	4,861,445	3,457,186.9	43.42 (42.83, 44.00)	201.96 (200.71, 203.21)	61.05 (60.23, 61.88)	283.99 (282.22, 285.77)
45-64 years	14,320	44,879	4,480,443	3,562,158.0	31.96 (31.44, 32.48)	100.17 (99.24, 101.09)	40.20 (39.55, 40.86)	125.99 (124.83, 127.16)
<i>Medical, 2022</i>								
18-25 years	28,686	186,437	3,233,717	2,362,878.4	88.71 (87.69, 89.73)	576.54 (574.00, 579.08)	121.40 (120.01, 122.82)	789.02 (785.45, 792.61)
26-44 years	31,870	155,275	7,574,981	5,514,451.1	42.07 (41.61, 42.53)	204.98 (203.97, 205.99)	57.79 (57.16, 58.43)	281.58 (280.18, 282.98)
45-64 years	25,021	90,611	8,168,517	6,629,497.3	30.63 (30.25, 31.01)	110.93 (110.21, 111.65)	37.74 (37.28, 38.21)	136.68 (135.79, 137.57)
<i>Unknown, 2022</i>								
18-25 years	120	498	307,848	201,072.1	3.90 (3.20, 4.60)	16.18 (14.76, 17.60)	5.97 (4.99, 7.14)	24.77 (22.68, 27.04)
26-44 years	97	351	586,952	448,810.7	1.65 (1.32, 1.98)	5.98 (5.35, 6.61)	2.16 (1.77, 2.64)	7.82 (7.04, 8.68)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	49	169	456,787	366,651.0	1.07 (0.77, 1.37)	3.70 (3.14, 4.26)	1.34 (1.01, 1.77)	4.61 (3.96, 5.36)
Institutional Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Medical, 2017</i>								
18-25 years	2,057	2,646	3,454,751	2,455,325.9	5.95 (5.70, 6.21)	7.66 (7.37, 7.95)	8.38 (8.02, 8.75)	10.78 (10.37, 11.20)
26-44 years	917	1,086	7,583,000	5,500,482.3	1.21 (1.13, 1.29)	1.43 (1.35, 1.52)	1.67 (1.56, 1.78)	1.97 (1.86, 2.10)
45-64 years	571	648	7,972,122	6,347,328.7	0.72 (0.66, 0.77)	0.81 (0.75, 0.88)	0.90 (0.83, 0.98)	1.02 (0.95, 1.10)
<i>Unknown, 2017</i>								
18-25 years	*****	*****	*****	*****	0.33 (0.10, 0.56)	0.42 (0.16, 0.67)	0.51 (0.26, 1.03)	0.64 (0.35, 1.20)
26-44 years	*****	*****	*****	*****	0.07 (-0.01, 0.14)	0.07 (-0.01, 0.14)	0.09 (0.03, 0.28)	0.09 (0.03, 0.28)
45-64 years	*****	*****	*****	*****	0.07 (-0.03, 0.17)	0.07 (-0.03, 0.17)	0.09 (0.02, 0.36)	0.09 (0.02, 0.36)
<i>Adult and Medical, 2017</i>								
18-25 years	231	291	355,165	249,506.3	6.50 (5.67, 7.34)	8.19 (7.25, 9.13)	9.26 (8.14, 10.53)	11.66 (10.40, 13.08)
26-44 years	165	187	888,945	642,825.5	1.86 (1.57, 2.14)	2.10 (1.80, 2.41)	2.57 (2.20, 2.99)	2.91 (2.52, 3.36)
45-64 years	97	116	810,316	647,495.7	1.20 (0.96, 1.44)	1.43 (1.17, 1.69)	1.50 (1.23, 1.83)	1.79 (1.49, 2.15)
<i>Illegal, 2017</i>								
18-25 years	2,569	3,237	4,284,495	3,063,949.2	6.00 (5.76, 6.23)	7.56 (7.29, 7.82)	8.38 (8.07, 8.72)	10.56 (10.21, 10.94)
26-44 years	1,184	1,402	9,658,346	7,067,711.8	1.23 (1.16, 1.30)	1.45 (1.38, 1.53)	1.68 (1.58, 1.77)	1.98 (1.88, 2.09)
45-64 years	1,021	1,194	10,583,731	8,497,126.8	0.96 (0.91, 1.02)	1.13 (1.06, 1.19)	1.20 (1.13, 1.28)	1.41 (1.33, 1.49)
<i>Unknown, 2018</i>								
18-25 years	*****	*****	*****	*****	0.60 (0.30, 0.90)	0.68 (0.36, 1.00)	0.96 (0.58, 1.58)	1.08 (0.67, 1.74)
26-44 years	*****	*****	*****	*****	0.04 (-0.02, 0.09)	0.12 (0.02, 0.21)	0.05 (0.01, 0.22)	0.16 (0.07, 0.36)
45-64 years	0	0	364,118	267,703.2	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Adult and Medical, 2018</i>								
18-25 years	635	914	1,348,260	967,690.2	4.71 (4.34, 5.08)	6.78 (6.34, 7.22)	6.56 (6.07, 7.09)	9.45 (8.85, 10.08)
26-44 years	340	434	3,025,527	2,213,763.6	1.12 (1.00, 1.24)	1.43 (1.30, 1.57)	1.54 (1.38, 1.71)	1.96 (1.78, 2.15)
45-64 years	194	220	2,769,961	2,256,095.0	0.70 (0.60, 0.80)	0.79 (0.69, 0.90)	0.86 (0.75, 0.99)	0.98 (0.85, 1.11)
<i>Medical, 2018</i>								
18-25 years	1,986	2,604	2,600,939	1,854,530.7	7.64 (7.30, 7.97)	10.01 (9.63, 10.40)	10.71 (10.25, 11.19)	14.04 (13.51, 14.59)
26-44 years	895	1,063	5,740,931	4,160,957.9	1.56 (1.46, 1.66)	1.85 (1.74, 1.96)	2.15 (2.01, 2.30)	2.55 (2.41, 2.71)
45-64 years	621	727	6,164,582	4,934,099.9	1.01 (0.93, 1.09)	1.18 (1.09, 1.27)	1.26 (1.16, 1.36)	1.47 (1.37, 1.58)
<i>Illegal, 2018</i>								
18-25 years	2,363	2,996	4,053,162	2,925,271.7	5.83 (5.60, 6.07)	7.39 (7.13, 7.66)	8.08 (7.76, 8.41)	10.24 (9.88, 10.62)
26-44 years	1,334	1,622	9,150,790	6,749,503.2	1.46 (1.38, 1.54)	1.77 (1.69, 1.86)	1.98 (1.87, 2.09)	2.40 (2.29, 2.52)
45-64 years	1,148	1,364	9,888,702	8,035,543.5	1.16 (1.09, 1.23)	1.38 (1.31, 1.45)	1.43 (1.35, 1.51)	1.70 (1.61, 1.79)
<i>Adult and Medical, 2019</i>								
18-25 years	625	882	1,453,241	1,049,307.2	4.30 (3.96, 4.64)	6.07 (5.67, 6.47)	5.96 (5.51, 6.44)	8.41 (7.87, 8.98)
26-44 years	446	553	3,277,558	2,404,339.4	1.36 (1.23, 1.49)	1.69 (1.55, 1.83)	1.85 (1.69, 2.04)	2.30 (2.12, 2.50)
45-64 years	247	291	3,017,399	2,463,115.6	0.82 (0.72, 0.92)	0.96 (0.85, 1.08)	1.00 (0.89, 1.14)	1.18 (1.05, 1.33)
<i>Illegal, 2019</i>								
18-25 years	1,726	2,208	3,256,516	2,357,641.9	5.30 (5.05, 5.55)	6.78 (6.50, 7.06)	7.32 (6.98, 7.67)	9.37 (8.98, 9.76)
26-44 years	1,142	1,420	7,459,438	5,509,015.3	1.53 (1.44, 1.62)	1.90 (1.80, 2.00)	2.07 (1.96, 2.20)	2.58 (2.45, 2.72)
45-64 years	1,058	1,276	7,959,833	6,459,829.8	1.33 (1.25, 1.41)	1.60 (1.52, 1.69)	1.64 (1.54, 1.74)	1.98 (1.87, 2.09)
<i>Unknown, 2019</i>								
18-25 years	*****	*****	*****	*****	0.54 (0.27, 0.81)	0.76 (0.43, 1.08)	0.86 (0.52, 1.43)	1.21 (0.79, 1.85)
26-44 years	*****	*****	*****	*****	0.05 (-0.01, 0.11)	0.07 (0.00, 0.14)	0.07 (0.02, 0.22)	0.09 (0.03, 0.25)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	*****	*****	*****	*****	0.05 (-0.02, 0.11)	0.05 (-0.02, 0.11)	0.06 (0.02, 0.24)	0.06 (0.02, 0.24)
<i>Medical, 2019</i>								
18-25 years	2,597	3,538	3,359,541	2,384,381.3	7.73 (7.43, 8.03)	10.53 (10.18, 10.88)	10.89 (10.48, 11.32)	14.84 (14.36, 15.34)
26-44 years	1,552	1,922	7,357,846	5,299,868.2	2.11 (2.00, 2.21)	2.61 (2.50, 2.73)	2.93 (2.79, 3.08)	3.63 (3.47, 3.79)
45-64 years	1,121	1,340	7,999,712	6,301,710.0	1.40 (1.32, 1.48)	1.68 (1.59, 1.76)	1.78 (1.68, 1.89)	2.13 (2.02, 2.24)
<i>Illegal, 2020</i>								
18-25 years	1,728	2,232	3,072,030	2,245,424.6	5.62 (5.36, 5.89)	7.27 (6.96, 7.57)	7.70 (7.34, 8.07)	9.94 (9.54, 10.36)
26-44 years	1,452	1,789	7,033,807	5,242,967.0	2.06 (1.96, 2.17)	2.54 (2.43, 2.66)	2.77 (2.63, 2.92)	3.41 (3.26, 3.57)
45-64 years	1,158	1,432	7,566,811	6,126,043.8	1.53 (1.44, 1.62)	1.89 (1.79, 1.99)	1.89 (1.78, 2.00)	2.34 (2.22, 2.46)
<i>Adult and Medical, 2020</i>								
18-25 years	889	1,240	1,778,647	1,291,774.3	5.00 (4.67, 5.33)	6.97 (6.58, 7.36)	6.88 (6.44, 7.35)	9.60 (9.08, 10.15)
26-44 years	675	861	4,072,102	3,032,516.8	1.66 (1.53, 1.78)	2.11 (1.97, 2.26)	2.23 (2.06, 2.40)	2.84 (2.66, 3.04)
45-64 years	473	586	3,806,906	3,113,418.2	1.24 (1.13, 1.35)	1.54 (1.41, 1.66)	1.52 (1.39, 1.66)	1.88 (1.74, 2.04)
<i>Medical, 2020</i>								
18-25 years	2,238	3,039	3,001,890	2,215,006.9	7.46 (7.15, 7.76)	10.12 (9.76, 10.48)	10.10 (9.69, 10.53)	13.72 (13.24, 14.22)
26-44 years	1,595	1,994	6,664,857	5,024,329.9	2.39 (2.28, 2.51)	2.99 (2.86, 3.12)	3.17 (3.02, 3.33)	3.97 (3.80, 4.15)
45-64 years	1,226	1,478	7,301,125	6,004,616.4	1.68 (1.59, 1.77)	2.02 (1.92, 2.13)	2.04 (1.93, 2.16)	2.46 (2.34, 2.59)
<i>Unknown, 2020</i>								
18-25 years	*****	*****	*****	*****	0.56 (0.30, 0.83)	0.66 (0.37, 0.95)	0.83 (0.51, 1.33)	0.97 (0.63, 1.51)
26-44 years	*****	*****	*****	*****	0.06 (0.00, 0.13)	0.06 (0.00, 0.13)	0.08 (0.03, 0.22)	0.08 (0.03, 0.22)
45-64 years	*****	*****	*****	*****	0.04 (-0.02, 0.10)	0.04 (-0.02, 0.10)	0.05 (0.01, 0.21)	0.05 (0.01, 0.21)
<i>Unknown, 2021</i>								
18-25 years	*****	*****	*****	*****	0.58 (0.30, 0.85)	0.61 (0.33, 0.89)	0.81 (0.50, 1.30)	0.85 (0.54, 1.35)

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	*****	*****	*****	*****	0.05 (-0.01, 0.11)	0.05 (-0.01, 0.11)	0.06 (0.02, 0.19)	0.06 (0.02, 0.19)
45-64 years	*****	*****	*****	*****	0.06 (-0.01, 0.14)	0.09 (0.00, 0.17)	0.08 (0.02, 0.23)	0.10 (0.04, 0.27)
<i>Adult and Medical, 2021</i>								
18-25 years	1,159	1,505	1,947,715	1,405,673.5	5.95 (5.61, 6.29)	7.73 (7.34, 8.12)	8.25 (7.78, 8.73)	10.71 (10.18, 11.26)
26-44 years	951	1,174	4,576,968	3,380,695.7	2.08 (1.95, 2.21)	2.57 (2.42, 2.71)	2.81 (2.64, 3.00)	3.47 (3.28, 3.68)
45-64 years	703	871	4,314,800	3,524,291.7	1.63 (1.51, 1.75)	2.02 (1.88, 2.15)	1.99 (1.85, 2.15)	2.47 (2.31, 2.64)
<i>Medical, 2021</i>								
18-25 years	2,340	3,076	3,194,845	2,362,119.0	7.32 (7.03, 7.62)	9.63 (9.29, 9.97)	9.91 (9.51, 10.32)	13.02 (12.57, 13.49)
26-44 years	1,968	2,566	7,379,738	5,520,785.5	2.67 (2.55, 2.78)	3.48 (3.34, 3.61)	3.56 (3.41, 3.73)	4.65 (4.47, 4.83)
45-64 years	1,535	1,886	8,100,523	6,662,692.5	1.89 (1.80, 1.99)	2.33 (2.22, 2.43)	2.30 (2.19, 2.42)	2.83 (2.71, 2.96)
<i>Illegal, 2021</i>								
18-25 years	1,287	1,648	2,356,849	1,723,530.5	5.46 (5.16, 5.76)	6.99 (6.65, 7.33)	7.47 (7.07, 7.89)	9.56 (9.11, 10.03)
26-44 years	1,617	2,038	5,406,069	4,010,130.1	2.99 (2.85, 3.14)	3.77 (3.61, 3.93)	4.03 (3.84, 4.23)	5.08 (4.87, 5.31)
45-64 years	1,208	1,515	5,788,925	4,702,903.6	2.09 (1.97, 2.20)	2.62 (2.49, 2.75)	2.57 (2.43, 2.72)	3.22 (3.06, 3.39)
<i>Illegal, 2022</i>								
18-25 years	1,240	1,581	2,356,911	1,685,463.4	5.26 (4.97, 5.55)	6.71 (6.38, 7.04)	7.36 (6.96, 7.78)	9.38 (8.93, 9.85)
26-44 years	1,472	1,950	5,462,284	3,910,123.1	2.69 (2.56, 2.83)	3.57 (3.41, 3.73)	3.76 (3.58, 3.96)	4.99 (4.77, 5.21)
45-64 years	1,225	1,566	5,716,446	4,556,718.3	2.14 (2.02, 2.26)	2.74 (2.60, 2.88)	2.69 (2.54, 2.84)	3.44 (3.27, 3.61)
<i>Adult and Medical, 2022</i>								
18-25 years	1,020	1,368	2,046,504	1,442,255.0	4.98 (4.68, 5.29)	6.68 (6.33, 7.04)	7.07 (6.65, 7.52)	9.49 (9.00, 10.00)
26-44 years	956	1,217	4,861,445	3,457,186.9	1.97 (1.84, 2.09)	2.50 (2.36, 2.64)	2.77 (2.60, 2.95)	3.52 (3.33, 3.72)
45-64 years	705	851	4,480,443	3,562,158.0	1.57 (1.46, 1.69)	1.90 (1.77, 2.03)	1.98 (1.84, 2.13)	2.39 (2.23, 2.56)
<i>Medical, 2022</i>								

Table 2. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status, Year, and Age Group

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	2,124	2,736	3,233,717	2,362,878.4	6.57 (6.29, 6.85)	8.46 (8.14, 8.78)	8.99 (8.61, 9.38)	11.58 (11.15, 12.02)
26-44 years	1,977	2,496	7,574,981	5,514,451.1	2.61 (2.49, 2.72)	3.30 (3.17, 3.42)	3.59 (3.43, 3.75)	4.53 (4.35, 4.71)
45-64 years	1,671	2,032	8,168,517	6,629,497.3	2.05 (1.95, 2.14)	2.49 (2.38, 2.60)	2.52 (2.40, 2.64)	3.07 (2.93, 3.20)
<i>Unknown, 2022</i>								
18-25 years	19	26	307,848	201,072.1	0.62 (0.34, 0.89)	0.84 (0.52, 1.17)	0.94 (0.60, 1.48)	1.29 (0.88, 1.90)
26-44 years	*****	*****	*****	*****	0.14 (0.04, 0.23)	0.15 (0.05, 0.25)	0.18 (0.09, 0.36)	0.20 (0.10, 0.39)
45-64 years	*****	*****	*****	*****	0.07 (-0.01, 0.14)	0.07 (-0.01, 0.14)	0.08 (0.03, 0.25)	0.08 (0.03, 0.25)

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 3. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
Any Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	837	4,306	829,059	647,592.4	10.10 (9.41, 10.78)	51.94 (50.39, 53.49)	12.92 (12.08, 13.83)	66.49 (64.54, 68.51)
2018	710	4,832	986,431	727,318.3	7.20 (6.67, 7.73)	48.98 (47.61, 50.36)	9.76 (9.07, 10.51)	66.44 (64.59, 68.34)
2019	625	2,699	1,164,324	885,982.5	5.37 (4.95, 5.79)	23.18 (22.31, 24.05)	7.05 (6.52, 7.63)	30.46 (29.34, 31.63)
2020	427	1,982	1,293,762	1,033,384.7	3.30 (2.99, 3.61)	15.32 (14.65, 15.99)	4.13 (3.76, 4.54)	19.18 (18.35, 20.04)
2021	390	1,391	1,297,051	1,079,061.8	3.01 (2.71, 3.31)	10.72 (10.16, 11.29)	3.61 (3.27, 3.99)	12.89 (12.23, 13.59)
2022	319	1,088	1,294,134	1,006,898.0	2.46 (2.19, 2.74)	8.41 (7.91, 8.91)	3.17 (2.84, 3.54)	10.81 (10.18, 11.47)
<i>Illegal</i>								
2017	61,469	284,974	19,330,788	14,868,032.3	31.80 (31.55, 32.05)	147.42 (146.88, 147.96)	41.34 (41.02, 41.67)	191.67 (190.97, 192.37)
2018	66,165	301,864	18,624,314	14,469,109.2	35.53 (35.26, 35.80)	162.08 (161.51, 162.65)	45.73 (45.38, 46.08)	208.63 (207.88, 209.37)
2019	59,856	251,539	15,531,034	12,063,587.4	38.54 (38.23, 38.85)	161.96 (161.33, 162.59)	49.62 (49.22, 50.02)	208.51 (207.70, 209.33)
2020	66,282	294,311	15,244,912	11,890,482.7	43.48 (43.15, 43.81)	193.06 (192.36, 193.75)	55.74 (55.32, 56.17)	247.52 (246.63, 248.41)
2021	64,311	324,942	12,073,311	9,427,656.8	53.27 (52.86, 53.68)	269.14 (268.23, 270.05)	68.22 (67.69, 68.74)	344.67 (343.49, 345.86)
2022	71,204	366,639	12,547,277	9,556,972.8	56.75 (56.33, 57.16)	292.21 (291.27, 293.14)	74.50 (73.96, 75.05)	383.64 (382.40, 384.88)
<i>Medical</i>								
2017	53,022	282,563	15,160,328	11,522,875.7	34.97 (34.68, 35.27)	186.38 (185.70, 187.06)	46.01 (45.62, 46.41)	245.22 (244.32, 246.13)
2018	47,836	250,512	11,565,856	8,771,899.7	41.36 (40.99, 41.73)	216.60 (215.76, 217.44)	54.53 (54.05, 55.02)	285.58 (284.47, 286.71)
2019	70,676	338,333	15,440,386	11,602,180.1	45.77 (45.44, 46.11)	219.12 (218.39, 219.85)	60.92 (60.47, 61.37)	291.61 (290.63, 292.60)
2020	68,794	328,383	14,528,695	11,415,315.6	47.35 (47.00, 47.70)	226.02 (225.26, 226.79)	60.26 (59.82, 60.72)	287.67 (286.69, 288.65)
2021	91,840	412,154	16,740,776	13,210,521.7	54.86 (54.51, 55.21)	246.20 (245.46, 246.94)	69.52 (69.07, 69.97)	311.99 (311.04, 312.94)
2022	106,448	453,525	17,622,382	13,679,430.2	60.41 (60.04, 60.77)	257.36 (256.62, 258.10)	77.82 (77.35, 78.28)	331.54 (330.57, 332.50)
<i>Uncertain</i>								
2017	32,988	158,116	9,716,441	6,974,803.3	33.95 (33.58, 34.32)	162.73 (161.93, 163.53)	47.30 (46.79, 47.81)	226.70 (225.58, 227.82)
2018	34,182	160,697	8,872,391	6,312,579.2	38.53 (38.12, 38.93)	181.12 (180.24, 182.00)	54.15 (53.58, 54.73)	254.57 (253.32, 255.81)
2019	33,269	155,540	7,924,262	5,497,956.9	41.98 (41.53, 42.43)	196.28 (195.32, 197.25)	60.51 (59.86, 61.17)	282.91 (281.50, 284.31)

Table 3. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2020	28,675	129,060	6,586,788	4,463,929.9	43.53 (43.03, 44.04)	195.94 (194.88, 197.00)	64.24 (63.50, 64.98)	289.12 (287.54, 290.70)
2021	24,301	105,757	4,931,848	3,125,927.0	49.27 (48.66, 49.89)	214.44 (213.16, 215.72)	77.74 (76.77, 78.72)	338.32 (336.29, 340.37)
2022	17,174	71,053	3,418,740	1,922,233.1	50.23 (49.49, 50.98)	207.83 (206.32, 209.35)	89.34 (88.02, 90.69)	369.64 (366.93, 372.37)
<i>Adult and Medical</i>								
2017	6,973	30,148	1,552,869	1,167,209.9	44.90 (43.85, 45.96)	194.14 (191.97, 196.31)	59.74 (58.35, 61.16)	258.29 (255.39, 261.22)
2018	23,369	106,815	5,952,841	4,609,295.6	39.26 (38.75, 39.76)	179.44 (178.37, 180.50)	50.70 (50.05, 51.35)	231.74 (230.35, 233.13)
2019	28,628	126,797	6,584,136	5,116,047.3	43.48 (42.98, 43.98)	192.58 (191.53, 193.63)	55.96 (55.31, 56.61)	247.84 (246.48, 249.21)
2020	39,826	174,377	8,402,163	6,561,117.9	47.40 (46.94, 47.86)	207.54 (206.57, 208.50)	60.70 (60.11, 61.30)	265.77 (264.53, 267.02)
2021	54,104	223,037	9,722,545	7,556,770.0	55.65 (55.18, 56.12)	229.40 (228.46, 230.34)	71.60 (71.00, 72.20)	295.15 (293.93, 296.38)
2022	62,604	253,799	10,571,891	7,971,731.2	59.22 (58.75, 59.68)	240.07 (239.15, 240.99)	78.53 (77.92, 79.15)	318.37 (317.14, 319.61)
Emergency Department Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	199	221	829,059	647,592.4	2.40 (2.07, 2.73)	2.67 (2.31, 3.02)	3.07 (2.67, 3.53)	3.41 (2.99, 3.89)
2018	165	197	986,431	727,318.3	1.67 (1.42, 1.93)	2.00 (1.72, 2.28)	2.27 (1.95, 2.64)	2.71 (2.36, 3.11)
2019	162	204	1,164,324	885,982.5	1.39 (1.18, 1.61)	1.75 (1.51, 1.99)	1.83 (1.57, 2.13)	2.30 (2.01, 2.64)
2020	113	154	1,293,762	1,033,384.7	0.87 (0.71, 1.03)	1.19 (1.00, 1.38)	1.09 (0.91, 1.31)	1.49 (1.27, 1.75)
2021	97	143	1,297,051	1,079,061.8	0.75 (0.60, 0.90)	1.10 (0.92, 1.28)	0.90 (0.74, 1.10)	1.33 (1.12, 1.56)
2022	80	93	1,294,134	1,006,898.0	0.62 (0.48, 0.75)	0.72 (0.57, 0.86)	0.79 (0.64, 0.99)	0.92 (0.75, 1.13)
<i>Illegal</i>								
2017	14,440	18,363	19,330,788	14,868,032.3	7.47 (7.35, 7.59)	9.50 (9.36, 9.64)	9.71 (9.55, 9.87)	12.35 (12.17, 12.53)
2018	15,242	19,717	18,624,314	14,469,109.2	8.18 (8.05, 8.31)	10.59 (10.44, 10.73)	10.53 (10.37, 10.70)	13.63 (13.44, 13.82)
2019	13,513	18,160	15,531,034	12,063,587.4	8.70 (8.55, 8.85)	11.69 (11.52, 11.86)	11.20 (11.01, 11.39)	15.05 (14.84, 15.27)
2020	13,962	18,833	15,244,912	11,890,482.7	9.16 (9.01, 9.31)	12.35 (12.18, 12.53)	11.74 (11.55, 11.94)	15.84 (15.61, 16.07)
2021	13,351	18,555	12,073,311	9,427,656.8	11.06 (10.87, 11.25)	15.37 (15.15, 15.59)	14.16 (13.92, 14.40)	19.68 (19.40, 19.97)
2022	15,743	21,991	12,547,277	9,556,972.8	12.55 (12.35, 12.74)	17.53 (17.30, 17.76)	16.47 (16.22, 16.73)	23.01 (22.71, 23.32)
<i>Medical</i>								

Table 3. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2017	13,337	16,712	15,160,328	11,522,875.7	8.80 (8.65, 8.95)	11.02 (10.86, 11.19)	11.57 (11.38, 11.77)	14.50 (14.29, 14.72)
2018	11,757	15,093	11,565,856	8,771,899.7	10.17 (9.98, 10.35)	13.05 (12.84, 13.26)	13.40 (13.16, 13.65)	17.21 (16.93, 17.48)
2019	16,235	21,496	15,440,386	11,602,180.1	10.51 (10.35, 10.68)	13.92 (13.74, 14.11)	13.99 (13.78, 14.21)	18.53 (18.28, 18.78)
2020	15,786	21,770	14,528,695	11,415,315.6	10.87 (10.70, 11.03)	14.98 (14.79, 15.18)	13.83 (13.61, 14.05)	19.07 (18.82, 19.33)
2021	19,764	27,216	16,740,776	13,210,521.7	11.81 (11.64, 11.97)	16.26 (16.06, 16.45)	14.96 (14.75, 15.17)	20.60 (20.36, 20.85)
2022	24,876	34,180	17,622,382	13,679,430.2	14.12 (13.94, 14.29)	19.40 (19.19, 19.60)	18.18 (17.96, 18.41)	24.99 (24.72, 25.25)
<i>Uncertain</i>								
2017	8,308	9,993	9,716,441	6,974,803.3	8.55 (8.37, 8.73)	10.28 (10.08, 10.49)	11.91 (11.66, 12.17)	14.33 (14.05, 14.61)
2018	8,428	10,153	8,872,391	6,312,579.2	9.50 (9.30, 9.70)	11.44 (11.22, 11.67)	13.35 (13.07, 13.64)	16.08 (15.77, 16.40)
2019	7,805	9,515	7,924,262	5,497,956.9	9.85 (9.63, 10.07)	12.01 (11.77, 12.25)	14.20 (13.88, 14.51)	17.31 (16.96, 17.66)
2020	6,539	8,166	6,586,788	4,463,929.9	9.93 (9.69, 10.17)	12.40 (12.13, 12.67)	14.65 (14.30, 15.01)	18.29 (17.90, 18.69)
2021	5,157	6,672	4,931,848	3,125,927.0	10.46 (10.17, 10.74)	13.53 (13.20, 13.85)	16.50 (16.05, 16.95)	21.34 (20.84, 21.86)
2022	3,929	4,968	3,418,740	1,922,233.1	11.49 (11.13, 11.85)	14.53 (14.13, 14.94)	20.44 (19.81, 21.09)	25.84 (25.14, 26.57)
<i>Adult and Medical</i>								
2017	1,577	1,964	1,552,869	1,167,209.9	10.16 (9.65, 10.66)	12.65 (12.09, 13.21)	13.51 (12.86, 14.19)	16.83 (16.10, 17.59)
2018	5,608	6,743	5,952,841	4,609,295.6	9.42 (9.17, 9.67)	11.33 (11.06, 11.60)	12.17 (11.85, 12.49)	14.63 (14.28, 14.98)
2019	6,345	7,611	6,584,136	5,116,047.3	9.64 (9.40, 9.87)	11.56 (11.30, 11.82)	12.40 (12.10, 12.71)	14.88 (14.55, 15.21)
2020	8,187	10,465	8,402,163	6,561,117.9	9.74 (9.53, 9.95)	12.46 (12.22, 12.69)	12.48 (12.21, 12.75)	15.95 (15.65, 16.26)
2021	10,289	13,698	9,722,545	7,556,770.0	10.58 (10.38, 10.79)	14.09 (13.85, 14.32)	13.62 (13.36, 13.88)	18.13 (17.83, 18.43)
2022	12,825	16,940	10,571,891	7,971,731.2	12.13 (11.92, 12.34)	16.02 (15.78, 16.26)	16.09 (15.81, 16.37)	21.25 (20.93, 21.57)

Table 3. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
Inpatient Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	263	319	829,059	647,592.4	3.17 (2.79, 3.56)	3.85 (3.43, 4.27)	4.06 (3.60, 4.58)	4.93 (4.41, 5.50)
2018	204	262	986,431	727,318.3	2.07 (1.78, 2.35)	2.66 (2.33, 2.98)	2.80 (2.45, 3.22)	3.60 (3.19, 4.07)
2019	152	175	1,164,324	885,982.5	1.31 (1.10, 1.51)	1.50 (1.28, 1.73)	1.72 (1.46, 2.01)	1.98 (1.70, 2.29)
2020	90	109	1,293,762	1,033,384.7	0.70 (0.55, 0.84)	0.84 (0.68, 1.00)	0.87 (0.71, 1.07)	1.05 (0.87, 1.27)
2021	68	78	1,297,051	1,079,061.8	0.52 (0.40, 0.65)	0.60 (0.47, 0.73)	0.63 (0.50, 0.80)	0.72 (0.58, 0.90)
2022	45	53	1,294,134	1,006,898.0	0.35 (0.25, 0.45)	0.41 (0.30, 0.52)	0.45 (0.33, 0.60)	0.53 (0.40, 0.69)
<i>Illegal</i>								
2017	14,743	17,680	19,330,788	14,868,032.3	7.63 (7.50, 7.75)	9.15 (9.01, 9.28)	9.92 (9.76, 10.08)	11.89 (11.72, 12.07)
2018	14,826	17,737	18,624,314	14,469,109.2	7.96 (7.83, 8.09)	9.52 (9.38, 9.66)	10.25 (10.08, 10.41)	12.26 (12.08, 12.44)
2019	14,001	17,130	15,531,034	12,063,587.4	9.01 (8.87, 9.16)	11.03 (10.86, 11.19)	11.61 (11.42, 11.80)	14.20 (13.99, 14.41)
2020	14,936	18,520	15,244,912	11,890,482.7	9.80 (9.64, 9.95)	12.15 (11.97, 12.32)	12.56 (12.36, 12.76)	15.58 (15.35, 15.80)
2021	13,384	16,543	12,073,311	9,427,656.8	11.09 (10.90, 11.27)	13.70 (13.49, 13.91)	14.20 (13.96, 14.44)	17.55 (17.28, 17.82)
2022	12,839	15,864	12,547,277	9,556,972.8	10.23 (10.06, 10.41)	12.64 (12.45, 12.84)	13.43 (13.20, 13.67)	16.60 (16.34, 16.86)
<i>Medical</i>								
2017	12,132	14,559	15,160,328	11,522,875.7	8.00 (7.86, 8.14)	9.60 (9.45, 9.76)	10.53 (10.34, 10.72)	12.63 (12.43, 12.84)
2018	9,422	11,307	11,565,856	8,771,899.7	8.15 (7.98, 8.31)	9.78 (9.60, 9.96)	10.74 (10.53, 10.96)	12.89 (12.65, 13.13)
2019	13,635	16,534	15,440,386	11,602,180.1	8.83 (8.68, 8.98)	10.71 (10.55, 10.87)	11.75 (11.56, 11.95)	14.25 (14.04, 14.47)
2020	13,734	16,916	14,528,695	11,415,315.6	9.45 (9.29, 9.61)	11.64 (11.47, 11.82)	12.03 (11.83, 12.23)	14.82 (14.60, 15.04)
2021	18,243	22,316	16,740,776	13,210,521.7	10.90 (10.74, 11.06)	13.33 (13.16, 13.51)	13.81 (13.61, 14.01)	16.89 (16.67, 17.12)
2022	17,780	21,359	17,622,382	13,679,430.2	10.09 (9.94, 10.24)	12.12 (11.96, 12.28)	13.00 (12.81, 13.19)	15.61 (15.41, 15.82)
<i>Uncertain</i>								
2017	7,608	8,974	9,716,441	6,974,803.3	7.83 (7.65, 8.01)	9.24 (9.04, 9.43)	10.91 (10.67, 11.16)	12.87 (12.60, 13.14)
2018	7,376	8,697	8,872,391	6,312,579.2	8.31 (8.12, 8.50)	9.80 (9.60, 10.01)	11.68 (11.42, 11.95)	13.78 (13.49, 14.07)
2019	6,592	7,886	7,924,262	5,497,956.9	8.32 (8.12, 8.52)	9.95 (9.73, 10.17)	11.99 (11.70, 12.28)	14.34 (14.03, 14.66)

Table 3. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2020	5,790	7,146	6,586,788	4,463,929.9	8.79 (8.56, 9.02)	10.85 (10.60, 11.10)	12.97 (12.64, 13.31)	16.01 (15.64, 16.38)
2021	4,537	5,469	4,931,848	3,125,927.0	9.20 (8.93, 9.47)	11.09 (10.80, 11.38)	14.51 (14.10, 14.94)	17.50 (17.04, 17.97)
2022	2,683	3,250	3,418,740	1,922,233.1	7.85 (7.55, 8.14)	9.51 (9.18, 9.83)	13.96 (13.44, 14.50)	16.91 (16.34, 17.50)
<i>Adult and Medical</i>								
2017	1,391	1,627	1,552,869	1,167,209.9	8.96 (8.49, 9.43)	10.48 (9.97, 10.99)	11.92 (11.31, 12.56)	13.94 (13.28, 14.63)
2018	5,244	6,258	5,952,841	4,609,295.6	8.81 (8.57, 9.05)	10.51 (10.25, 10.77)	11.38 (11.07, 11.69)	13.58 (13.24, 13.92)
2019	5,950	7,112	6,584,136	5,116,047.3	9.04 (8.81, 9.27)	10.80 (10.55, 11.05)	11.63 (11.34, 11.93)	13.90 (13.58, 14.23)
2020	7,990	9,691	8,402,163	6,561,117.9	9.51 (9.30, 9.72)	11.53 (11.30, 11.76)	12.18 (11.91, 12.45)	14.77 (14.48, 15.07)
2021	9,881	11,970	9,722,545	7,556,770.0	10.16 (9.96, 10.36)	12.31 (12.09, 12.53)	13.08 (12.82, 13.34)	15.84 (15.56, 16.13)
2022	9,445	11,280	10,571,891	7,971,731.2	8.93 (8.75, 9.11)	10.67 (10.47, 10.87)	11.85 (11.61, 12.09)	14.15 (13.89, 14.41)
Outpatient Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	616	3,901	829,059	647,592.4	7.43 (6.84, 8.02)	47.05 (45.58, 48.53)	9.51 (8.79, 10.29)	60.24 (58.38, 62.16)
2018	537	4,470	986,431	727,318.3	5.44 (4.98, 5.90)	45.31 (43.99, 46.64)	7.38 (6.78, 8.03)	61.46 (59.68, 63.29)
2019	440	2,404	1,164,324	885,982.5	3.78 (3.43, 4.13)	20.65 (19.82, 21.47)	4.97 (4.52, 5.45)	27.13 (26.07, 28.24)
2020	308	1,776	1,293,762	1,033,384.7	2.38 (2.11, 2.65)	13.73 (13.09, 14.37)	2.98 (2.67, 3.33)	17.19 (16.41, 18.00)
2021	276	1,198	1,297,051	1,079,061.8	2.13 (1.88, 2.38)	9.24 (8.71, 9.76)	2.56 (2.27, 2.88)	11.10 (10.49, 11.75)
2022	229	938	1,294,134	1,006,898.0	1.77 (1.54, 2.00)	7.25 (6.78, 7.71)	2.27 (2.00, 2.59)	9.32 (8.74, 9.93)
<i>Illegal</i>								
2017	42,517	250,322	19,330,788	14,868,032.3	21.99 (21.79, 22.20)	129.49 (128.99, 130.00)	28.60 (28.33, 28.87)	168.36 (167.70, 169.02)
2018	47,087	266,187	18,624,314	14,469,109.2	25.28 (25.05, 25.51)	142.92 (142.39, 143.46)	32.54 (32.25, 32.84)	183.97 (183.27, 184.67)
2019	42,453	218,270	15,531,034	12,063,587.4	27.33 (27.07, 27.59)	140.54 (139.95, 141.12)	35.19 (34.86, 35.53)	180.93 (180.18, 181.69)
2020	48,325	258,954	15,244,912	11,890,482.7	31.70 (31.42, 31.98)	169.86 (169.21, 170.51)	40.64 (40.28, 41.01)	217.78 (216.95, 218.62)
2021	47,566	291,302	12,073,311	9,427,656.8	39.40 (39.04, 39.75)	241.28 (240.41, 242.14)	50.45 (50.00, 50.91)	308.99 (307.87, 310.11)
2022	53,741	331,271	12,547,277	9,556,972.8	42.83 (42.47, 43.19)	264.02 (263.13, 264.91)	56.23 (55.76, 56.71)	346.63 (345.45, 347.81)
<i>Medical</i>								

Table 3. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2017	37,483	254,187	15,160,328	11,522,875.7	24.72 (24.47, 24.97)	167.67 (167.02, 168.31)	32.53 (32.20, 32.86)	220.59 (219.74, 221.45)
2018	34,163	225,380	11,565,856	8,771,899.7	29.54 (29.23, 29.85)	194.87 (194.07, 195.66)	38.95 (38.54, 39.36)	256.93 (255.88, 258.00)
2019	51,251	301,314	15,440,386	11,602,180.1	33.19 (32.91, 33.48)	195.15 (194.46, 195.84)	44.17 (43.79, 44.56)	259.70 (258.78, 260.63)
2020	49,487	291,070	14,528,695	11,415,315.6	34.06 (33.76, 34.36)	200.34 (199.62, 201.06)	43.35 (42.97, 43.74)	254.98 (254.06, 255.91)
2021	67,734	365,288	16,740,776	13,210,521.7	40.46 (40.16, 40.76)	218.20 (217.50, 218.90)	51.27 (50.89, 51.66)	276.51 (275.62, 277.41)
2022	80,096	402,767	17,622,382	13,679,430.2	45.45 (45.14, 45.77)	228.55 (227.86, 229.25)	58.55 (58.15, 58.96)	294.43 (293.52, 295.34)
<i>Uncertain</i>								
2017	22,616	140,428	9,716,441	6,974,803.3	23.28 (22.97, 23.58)	144.53 (143.78, 145.28)	32.43 (32.01, 32.85)	201.34 (200.29, 202.39)
2018	23,839	142,874	8,872,391	6,312,579.2	26.87 (26.53, 27.21)	161.03 (160.20, 161.86)	37.76 (37.29, 38.25)	226.33 (225.16, 227.51)
2019	23,937	138,948	7,924,262	5,497,956.9	30.21 (29.83, 30.59)	175.35 (174.43, 176.26)	43.54 (42.99, 44.09)	252.73 (251.40, 254.06)
2020	20,546	114,229	6,586,788	4,463,929.9	31.19 (30.77, 31.62)	173.42 (172.42, 174.42)	46.03 (45.40, 46.66)	255.89 (254.41, 257.38)
2021	17,610	93,582	4,931,848	3,125,927.0	35.71 (35.18, 36.23)	189.75 (188.55, 190.95)	56.34 (55.51, 57.17)	299.37 (297.46, 301.30)
2022	12,384	62,683	3,418,740	1,922,233.1	36.22 (35.59, 36.86)	183.35 (181.93, 184.77)	64.43 (63.30, 65.57)	326.09 (323.55, 328.66)
<i>Adult and Medical</i>								
2017	4,981	26,676	1,552,869	1,167,209.9	32.08 (31.19, 32.97)	171.79 (169.74, 173.83)	42.67 (41.51, 43.88)	228.55 (225.82, 231.30)
2018	17,161	95,718	5,952,841	4,609,295.6	28.83 (28.40, 29.26)	160.79 (159.78, 161.80)	37.23 (36.68, 37.79)	207.66 (206.35, 208.98)
2019	21,698	114,398	6,584,136	5,116,047.3	32.95 (32.52, 33.39)	173.75 (172.75, 174.75)	42.41 (41.85, 42.98)	223.61 (222.31, 224.91)
2020	30,538	156,644	8,402,163	6,561,117.9	36.35 (35.94, 36.75)	186.43 (185.52, 187.35)	46.54 (46.02, 47.07)	238.75 (237.57, 239.93)
2021	42,063	199,820	9,722,545	7,556,770.0	43.26 (42.85, 43.68)	205.52 (204.63, 206.41)	55.66 (55.13, 56.20)	264.43 (263.27, 265.59)
2022	49,626	229,158	10,571,891	7,971,731.2	46.94 (46.53, 47.35)	216.76 (215.88, 217.64)	62.25 (61.71, 62.80)	287.46 (286.29, 288.64)

Table 3. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
Institutional Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Unknown</i>								
2017	11	13	829,059	647,592.4	0.13 (0.05, 0.21)	0.16 (0.07, 0.24)	0.17 (0.09, 0.31)	0.20 (0.12, 0.35)
2018	12	15	986,431	727,318.3	0.12 (0.05, 0.19)	0.15 (0.08, 0.23)	0.16 (0.09, 0.29)	0.21 (0.12, 0.34)
2019	13	17	1,164,324	885,982.5	0.11 (0.05, 0.17)	0.15 (0.08, 0.22)	0.15 (0.09, 0.25)	0.19 (0.12, 0.31)
2020	17	20	1,293,762	1,033,384.7	0.13 (0.07, 0.19)	0.15 (0.09, 0.22)	0.16 (0.10, 0.26)	0.19 (0.12, 0.30)
2021	19	20	1,297,051	1,079,061.8	0.15 (0.08, 0.21)	0.15 (0.09, 0.22)	0.18 (0.11, 0.28)	0.19 (0.12, 0.29)
2022	24	32	1,294,134	1,006,898.0	0.19 (0.11, 0.26)	0.25 (0.16, 0.33)	0.24 (0.16, 0.36)	0.32 (0.22, 0.45)
<i>Illegal</i>								
2017	4,063	4,981	19,330,788	14,868,032.3	2.10 (2.04, 2.17)	2.58 (2.51, 2.65)	2.73 (2.65, 2.82)	3.35 (3.26, 3.44)
2018	4,162	5,139	18,624,314	14,469,109.2	2.23 (2.17, 2.30)	2.76 (2.68, 2.83)	2.88 (2.79, 2.97)	3.55 (3.46, 3.65)
2019	3,402	4,233	15,531,034	12,063,587.4	2.19 (2.12, 2.26)	2.73 (2.64, 2.81)	2.82 (2.73, 2.92)	3.51 (3.40, 3.62)
2020	3,862	4,879	15,244,912	11,890,482.7	2.53 (2.45, 2.61)	3.20 (3.11, 3.29)	3.25 (3.15, 3.35)	4.10 (3.99, 4.22)
2021	3,752	4,742	12,073,311	9,427,656.8	3.11 (3.01, 3.21)	3.93 (3.82, 4.04)	3.98 (3.85, 4.11)	5.03 (4.89, 5.18)
2022	3,678	4,783	12,547,277	9,556,972.8	2.93 (2.84, 3.03)	3.81 (3.70, 3.92)	3.85 (3.73, 3.97)	5.00 (4.86, 5.15)
<i>Medical</i>								
2017	2,941	3,651	15,160,328	11,522,875.7	1.94 (1.87, 2.01)	2.41 (2.33, 2.49)	2.55 (2.46, 2.65)	3.17 (3.07, 3.27)
2018	2,856	3,578	11,565,856	8,771,899.7	2.47 (2.38, 2.56)	3.09 (2.99, 3.19)	3.26 (3.14, 3.38)	4.08 (3.95, 4.21)
2019	4,443	5,754	15,440,386	11,602,180.1	2.88 (2.79, 2.96)	3.73 (3.63, 3.82)	3.83 (3.72, 3.94)	4.96 (4.83, 5.09)
2020	4,355	5,608	14,528,695	11,415,315.6	3.00 (2.91, 3.09)	3.86 (3.76, 3.96)	3.82 (3.70, 3.93)	4.91 (4.79, 5.04)
2021	5,225	6,742	16,740,776	13,210,521.7	3.12 (3.04, 3.21)	4.03 (3.93, 4.12)	3.96 (3.85, 4.06)	5.10 (4.98, 5.23)
2022	5,342	6,720	17,622,382	13,679,430.2	3.03 (2.95, 3.11)	3.81 (3.72, 3.90)	3.91 (3.80, 4.01)	4.91 (4.80, 5.03)
<i>Uncertain</i>								
2017	1,437	1,730	9,716,441	6,974,803.3	1.48 (1.40, 1.56)	1.78 (1.70, 1.86)	2.06 (1.96, 2.17)	2.48 (2.37, 2.60)
2018	1,571	1,983	8,872,391	6,312,579.2	1.77 (1.68, 1.86)	2.24 (2.14, 2.33)	2.49 (2.37, 2.61)	3.14 (3.01, 3.28)
2019	1,605	2,060	7,924,262	5,497,956.9	2.03 (1.93, 2.12)	2.60 (2.49, 2.71)	2.92 (2.78, 3.07)	3.75 (3.59, 3.91)

Table 3. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality Status and Year - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
2020	1,513	1,881	6,586,788	4,463,929.9	2.30 (2.18, 2.41)	2.86 (2.73, 2.98)	3.39 (3.22, 3.56)	4.21 (4.03, 4.41)
2021	1,328	1,702	4,931,848	3,125,927.0	2.69 (2.55, 2.84)	3.45 (3.29, 3.61)	4.25 (4.03, 4.48)	5.44 (5.19, 5.71)
2022	918	1,164	3,418,740	1,922,233.1	2.69 (2.51, 2.86)	3.40 (3.21, 3.60)	4.78 (4.48, 5.09)	6.06 (5.72, 6.41)
<i>Adult and Medical</i>								
2017	369	447	1,552,869	1,167,209.9	2.38 (2.13, 2.62)	2.88 (2.61, 3.15)	3.16 (2.85, 3.50)	3.83 (3.49, 4.20)
2018	937	1,252	5,952,841	4,609,295.6	1.57 (1.47, 1.67)	2.10 (1.99, 2.22)	2.03 (1.91, 2.17)	2.72 (2.57, 2.87)
2019	1,069	1,393	6,584,136	5,116,047.3	1.62 (1.53, 1.72)	2.12 (2.00, 2.23)	2.09 (1.97, 2.22)	2.72 (2.58, 2.87)
2020	1,720	2,289	8,402,163	6,561,117.9	2.05 (1.95, 2.14)	2.72 (2.61, 2.84)	2.62 (2.50, 2.75)	3.49 (3.35, 3.63)
2021	2,454	3,098	9,722,545	7,556,770.0	2.52 (2.42, 2.62)	3.19 (3.07, 3.30)	3.25 (3.12, 3.38)	4.10 (3.96, 4.25)
2022	2,446	3,136	10,571,891	7,971,731.2	2.31 (2.22, 2.41)	2.97 (2.86, 3.07)	3.07 (2.95, 3.19)	3.93 (3.80, 4.07)

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
Any Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Medical, 2017</i>								
18-25 years	24,736	172,213	2,748,460	1,906,285.5	90.00 (88.88, 91.12)	626.58 (623.71, 629.45)	129.76 (128.15, 131.39)	903.40 (899.14, 907.67)
26-44 years	16,027	71,446	5,919,114	4,132,168.0	27.08 (26.66, 27.50)	120.70 (119.82, 121.58)	38.79 (38.19, 39.39)	172.90 (171.64, 174.17)
45-64 years	12,535	38,904	6,985,087	5,484,422.3	17.95 (17.63, 18.26)	55.70 (55.14, 56.25)	22.86 (22.46, 23.26)	70.94 (70.23, 71.64)
<i>Illegal, 2017</i>								
18-25 years	29,133	178,102	3,271,526	2,284,404.4	89.05 (88.03, 90.07)	544.40 (541.94, 546.86)	127.53 (126.07, 129.00)	779.64 (776.03, 783.27)
26-44 years	17,922	65,856	7,455,869	5,278,153.8	24.04 (23.69, 24.39)	88.33 (87.66, 89.00)	33.96 (33.46, 34.46)	124.77 (123.82, 125.73)
45-64 years	14,729	41,016	9,219,465	7,305,474.2	15.98 (15.72, 16.23)	44.49 (44.06, 44.92)	20.16 (19.84, 20.49)	56.14 (55.60, 56.69)
<i>Unknown, 2017</i>								
18-25 years	569	3,313	224,972	147,127.7	25.29 (23.22, 27.37)	147.26 (142.29, 152.24)	38.67 (35.62, 41.99)	225.18 (217.64, 232.98)
26-44 years	182	698	383,945	292,516.2	4.74 (4.05, 5.43)	18.18 (16.83, 19.53)	6.22 (5.38, 7.19)	23.86 (22.16, 25.70)
45-64 years	95	295	255,226	207,948.5	3.72 (2.97, 4.47)	11.56 (10.24, 12.88)	4.57 (3.74, 5.59)	14.19 (12.66, 15.90)
<i>Adult and Medical, 2017</i>								
18-25 years	2,662	16,979	255,546	173,656.0	104.17 (100.23, 108.11)	664.42 (654.76, 674.08)	153.29 (147.58, 159.23)	977.74 (963.14, 992.56)
26-44 years	2,357	8,322	654,531	451,004.7	36.01 (34.56, 37.46)	127.14 (124.43, 129.86)	52.26 (50.19, 54.41)	184.52 (180.60, 188.53)
45-64 years	1,983	4,847	691,703	542,549.2	28.67 (27.41, 29.93)	70.07 (68.11, 72.04)	36.55 (34.98, 38.19)	89.34 (86.86, 91.89)
<i>Uncertain, 2017</i>								
18-25 years	16,265	96,320	2,108,558	1,412,745.0	77.14 (75.96, 78.32)	456.81 (453.99, 459.62)	115.13 (113.37, 116.91)	681.79 (677.50, 686.11)
26-44 years	12,329	47,223	4,990,894	3,385,591.9	24.70 (24.27, 25.14)	94.62 (93.77, 95.47)	36.42 (35.78, 37.06)	139.48 (138.23, 140.75)
45-64 years	4,533	14,573	2,960,050	2,176,466.3	15.31 (14.87, 15.76)	49.23 (48.43, 50.03)	20.83 (20.23, 21.44)	66.96 (65.88, 68.05)
<i>Uncertain, 2018</i>								
18-25 years	15,711	91,928	1,898,548	1,263,877.2	82.75 (81.46, 84.04)	484.20 (481.15, 487.25)	124.31 (122.38, 126.27)	727.35 (722.66, 732.07)
26-44 years	13,560	52,673	4,603,795	3,097,937.4	29.45 (28.96, 29.95)	114.41 (113.44, 115.38)	43.77 (43.04, 44.51)	170.03 (168.58, 171.48)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	5,038	16,096	2,676,425	1,950,764.5	18.82 (18.30, 19.34)	60.14 (59.21, 61.07)	25.83 (25.12, 26.55)	82.51 (81.25, 83.80)
<i>Unknown, 2018</i>								
18-25 years	442	3,531	235,585	148,672.6	18.76 (17.01, 20.51)	149.88 (144.98, 154.79)	29.73 (27.08, 32.63)	237.50 (229.80, 245.47)
26-44 years	174	906	451,135	330,186.0	3.86 (3.28, 4.43)	20.08 (18.78, 21.39)	5.27 (4.54, 6.11)	27.44 (25.71, 29.29)
45-64 years	107	395	337,930	248,459.7	3.17 (2.57, 3.77)	11.69 (10.54, 12.84)	4.31 (3.56, 5.20)	15.90 (14.40, 17.55)
<i>Adult and Medical, 2018</i>								
18-25 years	9,486	59,543	1,120,686	789,474.3	84.64 (82.95, 86.34)	531.31 (527.16, 535.46)	120.16 (117.76, 122.60)	754.21 (748.18, 760.29)
26-44 years	7,928	31,020	2,506,920	1,781,026.2	31.62 (30.93, 32.32)	123.74 (122.37, 125.11)	44.51 (43.54, 45.50)	174.17 (172.24, 176.12)
45-64 years	6,054	16,252	2,526,548	2,038,795.2	23.96 (23.36, 24.56)	64.32 (63.34, 65.31)	29.69 (28.96, 30.45)	79.71 (78.50, 80.95)
<i>Medical, 2018</i>								
18-25 years	21,373	146,602	2,086,488	1,448,432.0	102.44 (101.07, 103.80)	702.63 (699.16, 706.09)	147.56 (145.59, 149.55)	1,017.34
26-44 years	14,785	65,267	4,460,201	3,087,718.5	33.15 (32.62, 33.68)	146.33 (145.22, 147.45)	47.88 (47.12, 48.66)	211.38 (209.76, 213.00)
45-64 years	11,980	38,643	5,386,001	4,235,749.2	22.24 (21.84, 22.64)	71.75 (71.03, 72.46)	28.28 (27.78, 28.79)	91.23 (90.33, 92.14)
<i>Illegal, 2018</i>								
18-25 years	29,464	178,876	3,194,170	2,254,032.9	92.24 (91.19, 93.29)	560.01 (557.49, 562.53)	130.72 (129.23, 132.22)	793.58 (789.91, 797.27)
26-44 years	20,012	76,566	7,275,275	5,195,403.4	27.51 (27.13, 27.89)	105.24 (104.50, 105.98)	38.52 (37.99, 39.06)	147.37 (146.33, 148.42)
45-64 years	16,991	46,422	8,747,940	7,019,672.9	19.42 (19.13, 19.71)	53.07 (52.58, 53.55)	24.20 (23.84, 24.57)	66.13 (65.53, 66.74)
<i>Adult and Medical, 2019</i>								
18-25 years	11,371	67,001	1,240,323	879,716.1	91.68 (90.00, 93.36)	540.19 (536.21, 544.17)	129.26 (126.90, 131.66)	761.62 (755.88, 767.41)
26-44 years	10,009	39,716	2,775,575	1,977,573.6	36.06 (35.36, 36.77)	143.09 (141.69, 144.49)	50.61 (49.63, 51.61)	200.83 (198.87, 202.82)
45-64 years	7,364	20,080	2,792,044	2,258,757.6	26.37 (25.77, 26.98)	71.92 (70.93, 72.91)	32.60 (31.87, 33.36)	88.90 (87.68, 90.14)
<i>Uncertain, 2019</i>								
18-25 years	14,285	81,423	1,675,108	1,092,312.8	85.28 (83.89, 86.67)	486.08 (482.82, 489.33)	130.78 (128.65, 132.94)	745.42 (740.32, 750.56)
26-44 years	14,343	57,228	4,166,980	2,742,834.2	34.42 (33.86, 34.98)	137.34 (136.22, 138.45)	52.29 (51.44, 53.16)	208.65 (206.94, 210.36)
45-64 years	4,795	16,889	2,350,569	1,662,809.9	20.40 (19.82, 20.98)	71.85 (70.77, 72.93)	28.84 (28.03, 29.66)	101.57 (100.05, 103.11)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Unknown, 2019</i>								
18-25 years	360	1,711	268,138	167,536.5	13.43 (12.04, 14.81)	63.81 (60.80, 66.82)	21.49 (19.38, 23.83)	102.13 (97.40, 107.08)
26-44 years	184	775	539,379	403,237.0	3.41 (2.92, 3.90)	14.37 (13.36, 15.38)	4.56 (3.95, 5.27)	19.22 (17.91, 20.62)
45-64 years	89	213	400,906	315,209.0	2.22 (1.76, 2.68)	5.31 (4.60, 6.03)	2.82 (2.29, 3.48)	6.76 (5.91, 7.73)
<i>Medical, 2019</i>								
18-25 years	28,841	181,828	2,793,244	1,934,258.8	103.25 (102.07, 104.44)	650.96 (648.06, 653.85)	149.11 (147.40, 150.84)	940.04 (935.73, 944.37)
26-44 years	22,614	96,067	5,954,613	4,110,775.1	37.98 (37.48, 38.47)	161.33 (160.32, 162.34)	55.01 (54.30, 55.73)	233.70 (232.22, 235.18)
45-64 years	19,602	60,438	7,174,160	5,557,146.2	27.32 (26.94, 27.71)	84.24 (83.58, 84.91)	35.27 (34.78, 35.77)	108.76 (107.89, 109.63)
<i>Illegal, 2019</i>								
18-25 years	24,286	133,836	2,670,895	1,891,354.6	90.93 (89.79, 92.07)	501.09 (498.47, 503.71)	128.41 (126.80, 130.03)	707.62 (703.84, 711.42)
26-44 years	19,277	70,817	6,160,693	4,409,002.3	31.29 (30.85, 31.73)	114.95 (114.11, 115.79)	43.72 (43.11, 44.34)	160.62 (159.44, 161.81)
45-64 years	16,613	46,886	7,195,638	5,763,230.5	23.09 (22.74, 23.44)	65.16 (64.57, 65.75)	28.83 (28.39, 29.27)	81.35 (80.62, 82.09)
<i>Illegal, 2020</i>								
18-25 years	25,100	134,054	2,639,096	1,888,774.7	95.11 (93.94, 96.28)	507.95 (505.31, 510.60)	132.89 (131.26, 134.54)	709.74 (705.95, 713.55)
26-44 years	22,976	101,478	6,068,823	4,385,829.6	37.86 (37.37, 38.35)	167.21 (166.19, 168.23)	52.39 (51.71, 53.07)	231.38 (229.96, 232.80)
45-64 years	18,553	58,779	7,023,326	5,615,878.4	26.42 (26.04, 26.80)	83.69 (83.02, 84.36)	33.04 (32.56, 33.52)	104.67 (103.82, 105.52)
<i>Medical, 2020</i>								
18-25 years	26,209	161,742	2,603,922	1,873,091.6	100.65 (99.44, 101.86)	621.15 (618.22, 624.08)	139.92 (138.24, 141.63)	863.50 (859.30, 867.72)
26-44 years	23,121	102,060	5,664,030	4,093,950.7	40.82 (40.30, 41.35)	180.19 (179.09, 181.29)	56.48 (55.75, 57.21)	249.29 (247.77, 250.83)
45-64 years	19,897	64,581	6,729,234	5,448,273.3	29.57 (29.16, 29.98)	95.97 (95.23, 96.71)	36.52 (36.02, 37.03)	118.53 (117.62, 119.45)
<i>Adult and Medical, 2020</i>								
18-25 years	15,181	85,695	1,565,709	1,117,180.1	96.96 (95.42, 98.49)	547.32 (543.76, 550.89)	135.89 (133.74, 138.07)	767.07 (761.95, 772.22)
26-44 years	14,334	58,276	3,543,628	2,550,292.5	40.45 (39.79, 41.11)	164.45 (163.13, 165.78)	56.21 (55.29, 57.13)	228.51 (226.66, 230.37)
45-64 years	10,506	30,406	3,574,607	2,893,645.3	29.39 (28.83, 29.95)	85.06 (84.11, 86.01)	36.31 (35.62, 37.01)	105.08 (103.90, 106.27)

Unknown, 2020

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	249	1,243	293,174	200,397.1	8.49 (7.44, 9.55)	42.40 (40.05, 44.75)	12.43 (10.97, 14.07)	62.03 (58.67, 65.57)
26-44 years	125	581	600,867	466,197.7	2.08 (1.72, 2.44)	9.67 (8.88, 10.46)	2.68 (2.25, 3.20)	12.46 (11.49, 13.52)
45-64 years	54	158	449,211	366,789.9	1.20 (0.88, 1.52)	3.52 (2.97, 4.07)	1.47 (1.13, 1.92)	4.31 (3.69, 5.03)
<i>Uncertain, 2020</i>								
18-25 years	11,813	62,249	1,375,736	878,646.8	85.87 (84.32, 87.41)	452.48 (449.00, 455.95)	134.45 (132.04, 136.89)	708.46 (702.92, 714.05)
26-44 years	12,919	52,660	3,528,481	2,286,736.8	36.61 (35.98, 37.24)	149.24 (147.98, 150.51)	56.50 (55.53, 57.48)	230.28 (228.33, 232.26)
45-64 years	4,087	14,151	1,904,539	1,298,546.4	21.46 (20.80, 22.12)	74.30 (73.08, 75.52)	31.47 (30.52, 32.45)	108.98 (107.19, 110.79)
<i>Illegal, 2021</i>								
18-25 years	21,958	116,034	2,115,788	1,519,140.8	103.78 (102.42, 105.15)	548.42 (545.35, 551.49)	144.54 (142.64, 146.47)	763.81 (759.43, 768.22)
26-44 years	24,269	139,437	4,859,437	3,504,751.2	49.94 (49.32, 50.57)	286.94 (285.46, 288.43)	69.25 (68.38, 70.12)	397.85 (395.77, 399.95)
45-64 years	18,456	69,471	5,486,813	4,403,764.9	33.64 (33.15, 34.12)	126.61 (125.68, 127.55)	41.91 (41.31, 42.52)	157.75 (156.58, 158.93)
<i>Medical, 2021</i>								
18-25 years	32,825	184,601	2,907,843	2,114,222.2	112.88 (111.67, 114.10)	634.84 (632.04, 637.64)	155.26 (153.59, 156.95)	873.14 (869.17, 877.13)
26-44 years	32,040	137,224	6,658,861	4,826,464.1	48.12 (47.59, 48.64)	206.08 (205.00, 207.16)	66.38 (65.66, 67.11)	284.32 (282.82, 285.82)
45-64 years	27,489	90,329	7,712,186	6,269,835.5	35.64 (35.22, 36.06)	117.13 (116.37, 117.88)	43.84 (43.33, 44.36)	144.07 (143.13, 145.01)
<i>Uncertain, 2021</i>								
18-25 years	9,123	46,460	1,011,982	602,639.6	90.15 (88.31, 91.99)	459.10 (455.02, 463.18)	151.38 (148.31, 154.52)	770.94 (763.96, 777.98)
26-44 years	11,640	47,178	2,698,731	1,629,082.9	43.13 (42.35, 43.91)	174.82 (173.25, 176.38)	71.45 (70.16, 72.76)	289.60 (287.00, 292.22)
45-64 years	3,670	12,119	1,381,737	894,204.5	26.56 (25.70, 27.42)	87.71 (86.15, 89.26)	41.04 (39.74, 42.39)	135.53 (133.14, 137.96)
<i>Adult and Medical, 2021</i>								
18-25 years	19,326	102,342	1,776,931	1,260,685.6	108.76 (107.24, 110.29)	575.95 (572.52, 579.37)	153.30 (151.15, 155.47)	811.80 (806.84, 816.79)
26-44 years	20,042	78,522	4,144,737	2,964,591.0	48.36 (47.69, 49.02)	189.45 (188.14, 190.76)	67.60 (66.68, 68.55)	264.87 (263.02, 266.73)
45-64 years	15,006	42,173	4,123,391	3,331,493.5	36.39 (35.81, 36.97)	102.28 (101.31, 103.25)	45.04 (44.33, 45.77)	126.59 (125.39, 127.80)
<i>Unknown, 2021</i>								
18-25 years	217	920	290,183	205,771.2	7.48 (6.48, 8.47)	31.70 (29.66, 33.75)	10.55 (9.23, 12.05)	44.71 (41.91, 47.69)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	111	334	598,213	486,470.7	1.86 (1.51, 2.20)	5.58 (4.98, 6.18)	2.28 (1.89, 2.75)	6.87 (6.17, 7.64)
45-64 years	68	137	460,693	386,819.9	1.48 (1.13, 1.83)	2.97 (2.48, 3.47)	1.76 (1.39, 2.23)	3.54 (3.00, 4.19)
<i>Medical, 2022</i>								
18-25 years	35,070	190,958	3,066,623	2,206,890.9	114.36 (113.17, 115.55)	622.70 (619.99, 625.40)	158.91 (157.26, 160.58)	865.28 (861.41, 869.17)
26-44 years	38,523	158,151	7,159,985	5,073,375.7	53.80 (53.27, 54.34)	220.88 (219.81, 221.96)	75.93 (75.18, 76.69)	311.73 (310.19, 313.27)
45-64 years	33,459	104,416	7,966,316	6,399,163.5	42.00 (41.55, 42.45)	131.07 (130.28, 131.86)	52.29 (51.73, 52.85)	163.17 (162.18, 164.16)
<i>Illegal, 2022</i>								
18-25 years	22,997	119,458	2,224,221	1,564,125.1	103.39 (102.06, 104.72)	537.08 (534.12, 540.04)	147.03 (145.14, 148.94)	763.74 (759.42, 768.08)
26-44 years	27,309	162,779	5,160,758	3,601,303.0	52.92 (52.29, 53.54)	315.42 (313.91, 316.92)	75.83 (74.94, 76.74)	452.00 (449.81, 454.20)
45-64 years	21,319	84,402	5,567,949	4,391,544.7	38.29 (37.78, 38.80)	151.59 (150.57, 152.60)	48.55 (47.90, 49.20)	192.19 (190.90, 193.49)
<i>Adult and Medical, 2022</i>								
18-25 years	20,717	105,856	1,941,277	1,346,230.8	106.72 (105.27, 108.16)	545.29 (542.10, 548.48)	153.89 (151.81, 156.00)	786.31 (781.59, 791.07)
26-44 years	24,072	97,185	4,599,225	3,180,400.5	52.34 (51.68, 53.00)	211.31 (209.99, 212.62)	75.69 (74.74, 76.65)	305.57 (303.66, 307.50)
45-64 years	18,136	50,758	4,375,525	3,445,099.9	41.45 (40.85, 42.05)	116.00 (115.00, 117.01)	52.64 (51.88, 53.41)	147.33 (146.06, 148.62)
<i>Unknown, 2022</i>								
18-25 years	142	523	305,347	199,242.1	4.65 (3.89, 5.42)	17.13 (15.66, 18.59)	7.13 (6.05, 8.40)	26.25 (24.09, 28.60)
26-44 years	112	370	582,825	444,286.7	1.92 (1.57, 2.28)	6.35 (5.70, 7.00)	2.52 (2.09, 3.03)	8.33 (7.52, 9.22)
45-64 years	69	195	454,073	363,369.2	1.52 (1.16, 1.88)	4.29 (3.69, 4.90)	1.90 (1.50, 2.40)	5.37 (4.66, 6.18)
<i>Uncertain, 2022</i>								
18-25 years	5,862	28,320	701,640	375,179.9	83.55 (81.42, 85.68)	403.63 (399.02, 408.23)	156.25 (152.30, 160.30)	754.84 (746.10, 763.68)
26-44 years	8,760	34,442	1,909,245	1,031,205.9	45.88 (44.92, 46.84)	180.40 (178.51, 182.28)	84.95 (83.19, 86.75)	334.00 (330.49, 337.54)
45-64 years	2,651	8,291	914,999	515,847.3	28.97 (27.87, 30.07)	90.61 (88.67, 92.55)	51.39 (49.47, 53.39)	160.73 (157.30, 164.22)

Emergency Department Care Setting

Any Cannabis-Related Disorder or Cannabis Poisoning

Medical, 2017

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	6,342	7,737	2,748,460	1,906,285.5	23.07 (22.51, 23.64)	28.15 (27.52, 28.78)	33.27 (32.46, 34.10)	40.59 (39.69, 41.50)
26-44 years	4,107	5,122	5,919,114	4,132,168.0	6.94 (6.73, 7.15)	8.65 (8.42, 8.89)	9.94 (9.64, 10.25)	12.40 (12.06, 12.74)
45-64 years	2,895	3,853	6,985,087	5,484,422.3	4.14 (3.99, 4.30)	5.52 (5.34, 5.69)	5.28 (5.09, 5.47)	7.03 (6.81, 7.25)
<i>Illegal, 2017</i>								
18-25 years	6,713	8,281	3,271,526	2,284,404.4	20.52 (20.03, 21.01)	25.31 (24.77, 25.86)	29.39 (28.69, 30.10)	36.25 (35.48, 37.04)
26-44 years	4,373	5,466	7,455,869	5,278,153.8	5.87 (5.69, 6.04)	7.33 (7.14, 7.53)	8.29 (8.04, 8.53)	10.36 (10.08, 10.63)
45-64 years	3,365	4,616	9,219,465	7,305,474.2	3.65 (3.53, 3.77)	5.01 (4.86, 5.15)	4.61 (4.45, 4.76)	6.32 (6.14, 6.50)
<i>Unknown, 2017</i>								
18-25 years	133	147	224,972	147,127.7	5.91 (4.91, 6.92)	6.53 (5.48, 7.59)	9.04 (7.63, 10.71)	9.99 (8.50, 11.74)
26-44 years	46	49	383,945	292,516.2	1.20 (0.85, 1.54)	1.28 (0.92, 1.63)	1.57 (1.18, 2.10)	1.68 (1.27, 2.22)
45-64 years	20	25	255,226	207,948.5	0.78 (0.44, 1.13)	0.98 (0.60, 1.36)	0.96 (0.62, 1.49)	1.20 (0.81, 1.78)
<i>Adult and Medical, 2017</i>								
18-25 years	653	783	255,546	173,656.0	25.55 (23.60, 27.51)	30.64 (28.50, 32.78)	37.60 (34.83, 40.60)	45.09 (42.04, 48.36)
26-44 years	501	616	654,531	451,004.7	7.65 (6.98, 8.32)	9.41 (8.67, 10.15)	11.11 (10.18, 12.13)	13.66 (12.62, 14.78)
45-64 years	424	565	691,703	542,549.2	6.13 (5.55, 6.71)	8.17 (7.49, 8.84)	7.81 (7.11, 8.60)	10.41 (9.59, 11.31)
<i>Uncertain, 2017</i>								
18-25 years	4,020	4,845	2,108,558	1,412,745.0	19.07 (18.48, 19.65)	22.98 (22.33, 23.62)	28.46 (27.59, 29.35)	34.29 (33.34, 35.27)
26-44 years	3,210	3,785	4,990,894	3,385,591.9	6.43 (6.21, 6.65)	7.58 (7.34, 7.83)	9.48 (9.16, 9.82)	11.18 (10.83, 11.54)
45-64 years	1,083	1,363	2,960,050	2,176,466.3	3.66 (3.44, 3.88)	4.60 (4.36, 4.85)	4.98 (4.69, 5.28)	6.26 (5.94, 6.60)
<i>Uncertain, 2018</i>								
18-25 years	3,943	4,756	1,898,548	1,263,877.2	20.77 (20.12, 21.42)	25.05 (24.34, 25.76)	31.20 (30.24, 32.19)	37.63 (36.58, 38.72)
26-44 years	3,302	3,951	4,603,795	3,097,937.4	7.17 (6.93, 7.42)	8.58 (8.31, 8.85)	10.66 (10.30, 11.03)	12.75 (12.36, 13.16)
45-64 years	1,185	1,446	2,676,425	1,950,764.5	4.43 (4.18, 4.68)	5.40 (5.12, 5.68)	6.07 (5.74, 6.43)	7.41 (7.04, 7.80)
<i>Unknown, 2018</i>								
18-25 years	94	114	235,585	148,672.6	3.99 (3.18, 4.80)	4.84 (3.95, 5.73)	6.32 (5.17, 7.74)	7.67 (6.38, 9.21)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	47	56	451,135	330,186.0	1.04 (0.74, 1.34)	1.24 (0.92, 1.57)	1.42 (1.07, 1.89)	1.70 (1.31, 2.20)
45-64 years	24	27	337,930	248,459.7	0.71 (0.43, 0.99)	0.80 (0.50, 1.10)	0.97 (0.65, 1.44)	1.09 (0.75, 1.58)
<i>Adult and Medical, 2018</i>								
18-25 years	2,375	2,821	1,120,686	789,474.3	21.19 (20.34, 22.04)	25.17 (24.24, 26.10)	30.08 (28.90, 31.32)	35.73 (34.44, 37.08)
26-44 years	1,924	2,289	2,506,920	1,781,026.2	7.67 (7.33, 8.02)	9.13 (8.76, 9.50)	10.80 (10.33, 11.30)	12.85 (12.34, 13.39)
45-64 years	1,311	1,633	2,526,548	2,038,795.2	5.19 (4.91, 5.47)	6.46 (6.15, 6.78)	6.43 (6.09, 6.79)	8.01 (7.63, 8.41)
<i>Medical, 2018</i>								
18-25 years	5,489	6,895	2,086,488	1,448,432.0	26.31 (25.61, 27.00)	33.05 (32.27, 33.82)	37.90 (36.91, 38.91)	47.60 (46.49, 48.74)
26-44 years	3,621	4,601	4,460,201	3,087,718.5	8.12 (7.85, 8.38)	10.32 (10.02, 10.61)	11.73 (11.35, 12.12)	14.90 (14.48, 15.34)
45-64 years	2,656	3,597	5,386,001	4,235,749.2	4.93 (4.74, 5.12)	6.68 (6.46, 6.90)	6.27 (6.04, 6.51)	8.49 (8.22, 8.77)
<i>Illegal, 2018</i>								
18-25 years	6,712	8,236	3,194,170	2,254,032.9	21.01 (20.51, 21.52)	25.78 (25.23, 26.34)	29.78 (29.07, 30.50)	36.54 (35.76, 37.34)
26-44 years	4,913	6,243	7,275,275	5,195,403.4	6.75 (6.56, 6.94)	8.58 (8.37, 8.79)	9.46 (9.20, 9.72)	12.02 (11.72, 12.32)
45-64 years	3,625	5,238	8,747,940	7,019,672.9	4.14 (4.01, 4.28)	5.99 (5.83, 6.15)	5.16 (5.00, 5.33)	7.46 (7.26, 7.67)
<i>Adult and Medical, 2019</i>								
18-25 years	2,725	3,211	1,240,323	879,716.1	21.97 (21.15, 22.79)	25.89 (24.99, 26.78)	30.98 (29.83, 32.16)	36.50 (35.26, 37.79)
26-44 years	2,135	2,520	2,775,575	1,977,573.6	7.69 (7.37, 8.02)	9.08 (8.72, 9.43)	10.80 (10.35, 11.26)	12.74 (12.25, 13.25)
45-64 years	1,488	1,880	2,792,044	2,258,757.6	5.33 (5.06, 5.60)	6.73 (6.43, 7.04)	6.59 (6.26, 6.93)	8.32 (7.96, 8.71)
<i>Uncertain, 2019</i>								
18-25 years	3,441	4,148	1,675,108	1,092,312.8	20.54 (19.86, 21.23)	24.76 (24.01, 25.52)	31.50 (30.47, 32.57)	37.97 (36.84, 39.15)
26-44 years	3,270	3,995	4,166,980	2,742,834.2	7.85 (7.58, 8.12)	9.59 (9.29, 9.88)	11.92 (11.52, 12.34)	14.57 (14.12, 15.02)
45-64 years	1,099	1,372	2,350,569	1,662,809.9	4.68 (4.40, 4.95)	5.84 (5.53, 6.15)	6.61 (6.23, 7.01)	8.25 (7.83, 8.70)
<i>Unknown, 2019</i>								
18-25 years	98	124	268,138	167,536.5	3.65 (2.93, 4.38)	4.62 (3.81, 5.44)	5.85 (4.80, 7.13)	7.40 (6.21, 8.83)
26-44 years	45	58	539,379	403,237.0	0.83 (0.59, 1.08)	1.08 (0.80, 1.35)	1.12 (0.83, 1.49)	1.44 (1.11, 1.86)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	19	22	400,906	315,209.0	0.47 (0.26, 0.69)	0.55 (0.32, 0.78)	0.60 (0.38, 0.95)	0.70 (0.46, 1.06)
<i>Medical, 2019</i>								
18-25 years	6,989	8,896	2,793,244	1,934,258.8	25.02 (24.44, 25.61)	31.85 (31.19, 32.51)	36.13 (35.30, 36.99)	45.99 (45.05, 46.96)
26-44 years	5,124	6,485	5,954,613	4,110,775.1	8.61 (8.37, 8.84)	10.89 (10.63, 11.16)	12.46 (12.13, 12.81)	15.78 (15.40, 16.16)
45-64 years	4,140	6,115	7,174,160	5,557,146.2	5.77 (5.59, 5.95)	8.52 (8.31, 8.74)	7.45 (7.23, 7.68)	11.00 (10.73, 11.28)
<i>Illegal, 2019</i>								
18-25 years	5,515	6,751	2,670,895	1,891,354.6	20.65 (20.10, 21.19)	25.28 (24.67, 25.88)	29.16 (28.40, 29.94)	35.69 (34.85, 36.56)
26-44 years	4,321	5,597	6,160,693	4,409,002.3	7.01 (6.80, 7.22)	9.09 (8.85, 9.32)	9.80 (9.51, 10.10)	12.69 (12.37, 13.03)
45-64 years	3,693	5,812	7,195,638	5,763,230.5	5.13 (4.97, 5.30)	8.08 (7.87, 8.28)	6.41 (6.20, 6.62)	10.08 (9.83, 10.35)
<i>Illegal, 2020</i>								
18-25 years	5,633	6,927	2,639,096	1,888,774.7	21.34 (20.79, 21.90)	26.25 (25.63, 26.86)	29.82 (29.05, 30.61)	36.67 (35.82, 37.55)
26-44 years	4,698	6,219	6,068,823	4,385,829.6	7.74 (7.52, 7.96)	10.25 (9.99, 10.50)	10.71 (10.41, 11.02)	14.18 (13.83, 14.54)
45-64 years	3,640	5,687	7,023,326	5,615,878.4	5.18 (5.01, 5.35)	8.10 (7.89, 8.31)	6.48 (6.27, 6.70)	10.13 (9.87, 10.39)
<i>Medical, 2020</i>								
18-25 years	6,383	8,330	2,603,922	1,873,091.6	24.51 (23.91, 25.11)	31.99 (31.30, 32.68)	34.08 (33.25, 34.92)	44.47 (43.53, 45.44)
26-44 years	5,199	6,886	5,664,030	4,093,950.7	9.18 (8.93, 9.43)	12.16 (11.87, 12.44)	12.70 (12.36, 13.05)	16.82 (16.43, 17.22)
45-64 years	4,216	6,554	6,729,234	5,448,273.3	6.27 (6.08, 6.45)	9.74 (9.50, 9.98)	7.74 (7.51, 7.98)	12.03 (11.74, 12.32)
<i>Adult and Medical, 2020</i>								
18-25 years	3,360	4,121	1,565,709	1,117,180.1	21.46 (20.74, 22.18)	26.32 (25.52, 27.12)	30.08 (29.08, 31.11)	36.89 (35.78, 38.03)
26-44 years	2,891	3,664	3,543,628	2,550,292.5	8.16 (7.86, 8.46)	10.34 (10.01, 10.67)	11.34 (10.93, 11.76)	14.37 (13.91, 14.84)
45-64 years	1,940	2,680	3,574,607	2,893,645.3	5.43 (5.19, 5.67)	7.50 (7.21, 7.78)	6.70 (6.41, 7.01)	9.26 (8.92, 9.62)
<i>Unknown, 2020</i>								
18-25 years	71	92	293,174	200,397.1	2.42 (1.86, 2.99)	3.14 (2.50, 3.78)	3.54 (2.81, 4.47)	4.59 (3.74, 5.63)
26-44 years	31	48	600,867	466,197.7	0.52 (0.33, 0.70)	0.80 (0.57, 1.02)	0.66 (0.47, 0.95)	1.03 (0.78, 1.37)
45-64 years	11	14	449,211	366,789.9	0.24 (0.10, 0.39)	0.31 (0.15, 0.47)	0.30 (0.17, 0.54)	0.38 (0.23, 0.64)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Uncertain, 2020</i>								
18-25 years	2,811	3,533	1,375,736	878,646.8	20.43 (19.68, 21.19)	25.68 (24.84, 26.53)	31.99 (30.83, 33.20)	40.21 (38.91, 41.56)
26-44 years	2,873	3,514	3,528,481	2,286,736.8	8.14 (7.84, 8.44)	9.96 (9.63, 10.29)	12.56 (12.11, 13.03)	15.37 (14.87, 15.88)
45-64 years	862	1,119	1,904,539	1,298,546.4	4.53 (4.22, 4.83)	5.88 (5.53, 6.22)	6.64 (6.21, 7.10)	8.62 (8.13, 9.14)
<i>Illegal, 2021</i>								
18-25 years	4,792	6,024	2,115,788	1,519,140.8	22.65 (22.01, 23.29)	28.47 (27.75, 29.19)	31.54 (30.66, 32.45)	39.65 (38.67, 40.67)
26-44 years	4,806	6,414	4,859,437	3,504,751.2	9.89 (9.61, 10.17)	13.20 (12.88, 13.52)	13.71 (13.33, 14.11)	18.30 (17.86, 18.75)
45-64 years	3,763	6,117	5,486,813	4,403,764.9	6.86 (6.64, 7.08)	11.15 (10.87, 11.43)	8.54 (8.28, 8.82)	13.89 (13.55, 14.24)
<i>Medical, 2021</i>								
18-25 years	7,570	9,818	2,907,843	2,114,222.2	26.03 (25.45, 26.62)	33.76 (33.10, 34.43)	35.81 (35.01, 36.62)	46.44 (45.53, 47.37)
26-44 years	6,761	8,923	6,658,861	4,826,464.1	10.15 (9.91, 10.40)	13.40 (13.12, 13.68)	14.01 (13.68, 14.35)	18.49 (18.11, 18.88)
45-64 years	5,455	8,475	7,712,186	6,269,835.5	7.07 (6.89, 7.26)	10.99 (10.76, 11.22)	8.70 (8.47, 8.93)	13.52 (13.23, 13.81)
<i>Uncertain, 2021</i>								
18-25 years	1,987	2,517	1,011,982	602,639.6	19.63 (18.77, 20.50)	24.87 (23.90, 25.84)	32.97 (31.55, 34.45)	41.77 (40.17, 43.43)
26-44 years	2,366	3,049	2,698,731	1,629,082.9	8.77 (8.41, 9.12)	11.30 (10.90, 11.70)	14.52 (13.95, 15.12)	18.72 (18.06, 19.39)
45-64 years	807	1,106	1,381,737	894,204.5	5.84 (5.44, 6.24)	8.00 (7.53, 8.48)	9.02 (8.42, 9.67)	12.37 (11.66, 13.12)
<i>Adult and Medical, 2021</i>								
18-25 years	3,986	4,968	1,776,931	1,260,685.6	22.43 (21.74, 23.13)	27.96 (27.18, 28.73)	31.62 (30.65, 32.61)	39.41 (38.33, 40.52)
26-44 years	3,629	4,750	4,144,737	2,964,591.0	8.76 (8.47, 9.04)	11.46 (11.13, 11.79)	12.24 (11.85, 12.65)	16.02 (15.57, 16.48)
45-64 years	2,682	3,980	4,123,391	3,331,493.5	6.50 (6.26, 6.75)	9.65 (9.35, 9.95)	8.05 (7.75, 8.36)	11.95 (11.58, 12.32)
<i>Unknown, 2021</i>								
18-25 years	53	74	290,183	205,771.2	1.83 (1.33, 2.32)	2.55 (1.97, 3.13)	2.58 (1.97, 3.37)	3.60 (2.86, 4.52)
26-44 years	25	46	598,213	486,470.7	0.42 (0.25, 0.58)	0.77 (0.55, 0.99)	0.51 (0.35, 0.76)	0.95 (0.71, 1.26)
45-64 years	19	23	460,693	386,819.9	0.41 (0.23, 0.60)	0.50 (0.30, 0.70)	0.49 (0.31, 0.77)	0.59 (0.40, 0.89)
<i>Medical, 2022</i>								

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	8,584	11,017	3,066,623	2,206,890.9	27.99 (27.40, 28.58)	35.93 (35.26, 36.60)	38.90 (38.08, 39.73)	49.92 (49.00, 50.86)
26-44 years	8,808	11,677	7,159,985	5,073,375.7	12.30 (12.04, 12.56)	16.31 (16.01, 16.60)	17.36 (17.00, 17.73)	23.02 (22.60, 23.44)
45-64 years	7,504	11,486	7,966,316	6,399,163.5	9.42 (9.21, 9.63)	14.42 (14.15, 14.68)	11.73 (11.46, 11.99)	17.95 (17.62, 18.28)
<i>Illegal, 2022</i>								
18-25 years	5,243	6,470	2,224,221	1,564,125.1	23.57 (22.93, 24.21)	29.09 (28.38, 29.80)	33.52 (32.63, 34.44)	41.36 (40.37, 42.39)
26-44 years	5,685	7,801	5,160,758	3,601,303.0	11.02 (10.73, 11.30)	15.12 (14.78, 15.45)	15.79 (15.38, 16.20)	21.66 (21.19, 22.15)
45-64 years	4,830	7,720	5,567,949	4,391,544.7	8.67 (8.43, 8.92)	13.87 (13.56, 14.17)	11.00 (10.69, 11.31)	17.58 (17.19, 17.98)
<i>Adult and Medical, 2022</i>								
18-25 years	4,575	5,785	1,941,277	1,346,230.8	23.57 (22.88, 24.25)	29.80 (29.03, 30.57)	33.98 (33.01, 34.98)	42.97 (41.88, 44.09)
26-44 years	4,603	5,851	4,599,225	3,180,400.5	10.01 (9.72, 10.30)	12.72 (12.40, 13.05)	14.47 (14.06, 14.90)	18.40 (17.93, 18.87)
45-64 years	3,653	5,304	4,375,525	3,445,099.9	8.35 (8.08, 8.62)	12.12 (11.80, 12.45)	10.60 (10.27, 10.95)	15.40 (14.99, 15.82)
<i>Unknown, 2022</i>								
18-25 years	33	41	305,347	199,242.1	1.08 (0.71, 1.45)	1.34 (0.93, 1.75)	1.66 (1.18, 2.33)	2.06 (1.52, 2.79)
26-44 years	35	37	582,825	444,286.7	0.60 (0.40, 0.80)	0.63 (0.43, 0.84)	0.79 (0.57, 1.10)	0.83 (0.60, 1.15)
45-64 years	12	15	454,073	363,369.2	0.26 (0.11, 0.41)	0.33 (0.16, 0.50)	0.33 (0.19, 0.58)	0.41 (0.25, 0.68)
<i>Uncertain, 2022</i>								
18-25 years	1,411	1,790	701,640	375,179.9	20.11 (19.06, 21.16)	25.51 (24.33, 26.69)	37.61 (35.70, 39.62)	47.71 (45.55, 49.97)
26-44 years	1,872	2,354	1,909,245	1,031,205.9	9.80 (9.36, 10.25)	12.33 (11.83, 12.83)	18.15 (17.35, 18.99)	22.83 (21.92, 23.77)
45-64 years	649	824	914,999	515,847.3	7.09 (6.55, 7.64)	9.01 (8.39, 9.62)	12.58 (11.65, 13.59)	15.97 (14.92, 17.10)

Inpatient Care Setting

Any Cannabis-Related Disorder or Cannabis Poisoning

Medical, 2017

18-25 years	5,506	6,852	2,748,460	1,906,285.5	20.03 (19.50, 20.56)	24.93 (24.34, 25.52)	28.88 (28.13, 29.66)	35.94 (35.10, 36.81)
26-44 years	3,516	4,177	5,919,114	4,132,168.0	5.94 (5.74, 6.14)	7.06 (6.84, 7.27)	8.51 (8.23, 8.79)	10.11 (9.81, 10.42)
45-64 years	3,130	3,530	6,985,087	5,484,422.3	4.48 (4.32, 4.64)	5.05 (4.89, 5.22)	5.71 (5.51, 5.91)	6.44 (6.23, 6.65)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Illegal, 2017</i>								
18-25 years	7,026	8,801	3,271,526	2,284,404.4	21.48 (20.97, 21.98)	26.90 (26.34, 27.46)	30.76 (30.05, 31.48)	38.53 (37.73, 39.34)
26-44 years	4,080	4,757	7,455,869	5,278,153.8	5.47 (5.30, 5.64)	6.38 (6.20, 6.56)	7.73 (7.50, 7.97)	9.01 (8.76, 9.27)
45-64 years	3,655	4,122	9,219,465	7,305,474.2	3.96 (3.84, 4.09)	4.47 (4.33, 4.61)	5.00 (4.84, 5.17)	5.64 (5.47, 5.82)
<i>Unknown, 2017</i>								
18-25 years	169	213	224,972	147,127.7	7.51 (6.38, 8.64)	9.47 (8.20, 10.74)	11.49 (9.88, 13.36)	14.48 (12.66, 16.56)
26-44 years	62	72	383,945	292,516.2	1.61 (1.21, 2.02)	1.88 (1.44, 2.31)	2.12 (1.65, 2.72)	2.46 (1.95, 3.10)
45-64 years	32	34	255,226	207,948.5	1.25 (0.82, 1.69)	1.33 (0.88, 1.78)	1.54 (1.09, 2.18)	1.64 (1.17, 2.29)
<i>Adult and Medical, 2017</i>								
18-25 years	488	602	255,546	173,656.0	19.10 (17.40, 20.79)	23.56 (21.68, 25.44)	28.10 (25.72, 30.71)	34.67 (32.00, 37.55)
26-44 years	456	534	654,531	451,004.7	6.97 (6.33, 7.61)	8.16 (7.47, 8.85)	10.11 (9.22, 11.08)	11.84 (10.88, 12.89)
45-64 years	450	491	691,703	542,549.2	6.51 (5.90, 7.11)	7.10 (6.47, 7.73)	8.29 (7.56, 9.10)	9.05 (8.28, 9.89)
<i>Uncertain, 2017</i>								
18-25 years	3,820	4,684	2,108,558	1,412,745.0	18.12 (17.54, 18.69)	22.21 (21.58, 22.85)	27.04 (26.20, 27.91)	33.16 (32.22, 34.12)
26-44 years	2,618	2,962	4,990,894	3,385,591.9	5.25 (5.04, 5.45)	5.93 (5.72, 6.15)	7.73 (7.44, 8.03)	8.75 (8.44, 9.07)
45-64 years	1,181	1,328	2,960,050	2,176,466.3	3.99 (3.76, 4.22)	4.49 (4.25, 4.73)	5.43 (5.13, 5.74)	6.10 (5.78, 6.44)
<i>Uncertain, 2018</i>								
18-25 years	3,346	4,123	1,898,548	1,263,877.2	17.62 (17.03, 18.22)	21.72 (21.05, 22.38)	26.47 (25.59, 27.39)	32.62 (31.64, 33.63)
26-44 years	2,775	3,159	4,603,795	3,097,937.4	6.03 (5.80, 6.25)	6.86 (6.62, 7.10)	8.96 (8.63, 9.30)	10.20 (9.85, 10.56)
45-64 years	1,260	1,415	2,676,425	1,950,764.5	4.71 (4.45, 4.97)	5.29 (5.01, 5.56)	6.46 (6.11, 6.83)	7.25 (6.89, 7.64)
<i>Unknown, 2018</i>								
18-25 years	127	167	235,585	148,672.6	5.39 (4.45, 6.33)	7.09 (6.01, 8.16)	8.54 (7.18, 10.16)	11.23 (9.65, 13.07)
26-44 years	47	61	451,135	330,186.0	1.04 (0.74, 1.34)	1.35 (1.01, 1.69)	1.42 (1.07, 1.89)	1.85 (1.44, 2.37)
45-64 years	30	34	337,930	248,459.7	0.89 (0.57, 1.21)	1.01 (0.67, 1.34)	1.21 (0.84, 1.73)	1.37 (0.98, 1.92)
<i>Adult and Medical, 2018</i>								

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	2,128	2,716	1,120,686	789,474.3	18.99 (18.18, 19.79)	24.24 (23.32, 25.15)	26.95 (25.83, 28.12)	34.40 (33.13, 35.72)
26-44 years	1,655	1,922	2,506,920	1,781,026.2	6.60 (6.28, 6.92)	7.67 (7.32, 8.01)	9.29 (8.86, 9.75)	10.79 (10.32, 11.28)
45-64 years	1,465	1,620	2,526,548	2,038,795.2	5.80 (5.50, 6.10)	6.41 (6.10, 6.72)	7.19 (6.83, 7.56)	7.95 (7.57, 8.34)
<i>Medical, 2018</i>								
18-25 years	4,072	5,085	2,086,488	1,448,432.0	19.52 (18.92, 20.11)	24.37 (23.70, 25.04)	28.11 (27.26, 28.99)	35.11 (34.16, 36.09)
26-44 years	2,767	3,227	4,460,201	3,087,718.5	6.20 (5.97, 6.43)	7.24 (6.99, 7.48)	8.96 (8.63, 9.30)	10.45 (10.10, 10.82)
45-64 years	2,597	2,995	5,386,001	4,235,749.2	4.82 (4.64, 5.01)	5.56 (5.36, 5.76)	6.13 (5.90, 6.37)	7.07 (6.82, 7.33)
<i>Illegal, 2018</i>								
18-25 years	6,702	8,341	3,194,170	2,254,032.9	20.98 (20.48, 21.48)	26.11 (25.55, 26.67)	29.73 (29.03, 30.45)	37.00 (36.22, 37.81)
26-44 years	4,111	4,718	7,275,275	5,195,403.4	5.65 (5.48, 5.82)	6.48 (6.30, 6.67)	7.91 (7.67, 8.16)	9.08 (8.83, 9.34)
45-64 years	4,025	4,678	8,747,940	7,019,672.9	4.60 (4.46, 4.74)	5.35 (5.19, 5.50)	5.73 (5.56, 5.91)	6.66 (6.48, 6.86)
<i>Adult and Medical, 2019</i>								
18-25 years	2,285	2,880	1,240,323	879,716.1	18.42 (17.67, 19.18)	23.22 (22.37, 24.07)	25.97 (24.93, 27.06)	32.74 (31.56, 33.96)
26-44 years	1,953	2,287	2,775,575	1,977,573.6	7.04 (6.72, 7.35)	8.24 (7.90, 8.58)	9.88 (9.45, 10.32)	11.56 (11.10, 12.05)
45-64 years	1,718	1,945	2,792,044	2,258,757.6	6.15 (5.86, 6.44)	6.97 (6.66, 7.28)	7.61 (7.25, 7.97)	8.61 (8.24, 9.00)
<i>Uncertain, 2019</i>								
18-25 years	2,851	3,601	1,675,108	1,092,312.8	17.02 (16.40, 17.64)	21.50 (20.80, 22.20)	26.10 (25.16, 27.08)	32.97 (31.91, 34.06)
26-44 years	2,616	2,987	4,166,980	2,742,834.2	6.28 (6.04, 6.52)	7.17 (6.91, 7.43)	9.54 (9.18, 9.91)	10.89 (10.51, 11.29)
45-64 years	1,133	1,298	2,350,569	1,662,809.9	4.82 (4.54, 5.10)	5.52 (5.22, 5.82)	6.81 (6.43, 7.22)	7.81 (7.39, 8.24)
<i>Unknown, 2019</i>								
18-25 years	82	94	268,138	167,536.5	3.06 (2.40, 3.72)	3.51 (2.80, 4.21)	4.89 (3.94, 6.08)	5.61 (4.58, 6.87)
26-44 years	41	48	539,379	403,237.0	0.76 (0.53, 0.99)	0.89 (0.64, 1.14)	1.02 (0.75, 1.38)	1.19 (0.90, 1.58)
45-64 years	30	33	400,906	315,209.0	0.75 (0.48, 1.02)	0.82 (0.54, 1.10)	0.95 (0.67, 1.36)	1.05 (0.74, 1.47)
<i>Medical, 2019</i>								
18-25 years	5,184	6,638	2,793,244	1,934,258.8	18.56 (18.05, 19.06)	23.76 (23.19, 24.34)	26.80 (26.08, 27.54)	34.32 (33.50, 35.15)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	4,079	4,809	5,954,613	4,110,775.1	6.85 (6.64, 7.06)	8.08 (7.85, 8.30)	9.92 (9.62, 10.23)	11.70 (11.37, 12.03)
45-64 years	4,386	5,087	7,174,160	5,557,146.2	6.11 (5.93, 6.29)	7.09 (6.90, 7.29)	7.89 (7.66, 8.13)	9.15 (8.91, 9.41)
<i>Illegal, 2019</i>								
18-25 years	5,780	7,346	2,670,895	1,891,354.6	21.64 (21.08, 22.20)	27.50 (26.88, 28.13)	30.56 (29.78, 31.36)	38.84 (37.96, 39.74)
26-44 years	4,127	4,931	6,160,693	4,409,002.3	6.70 (6.49, 6.90)	8.00 (7.78, 8.23)	9.36 (9.08, 9.65)	11.18 (10.88, 11.50)
45-64 years	4,116	4,853	7,195,638	5,763,230.5	5.72 (5.55, 5.89)	6.74 (6.55, 6.93)	7.14 (6.93, 7.36)	8.42 (8.19, 8.66)
<i>Illegal, 2020</i>								
18-25 years	5,994	7,735	2,639,096	1,888,774.7	22.71 (22.14, 23.29)	29.31 (28.66, 29.96)	31.73 (30.94, 32.55)	40.95 (40.05, 41.88)
26-44 years	4,561	5,550	6,068,823	4,385,829.6	7.52 (7.30, 7.73)	9.15 (8.90, 9.39)	10.40 (10.10, 10.71)	12.65 (12.33, 12.99)
45-64 years	4,395	5,235	7,023,326	5,615,878.4	6.26 (6.07, 6.44)	7.45 (7.25, 7.66)	7.83 (7.60, 8.06)	9.32 (9.07, 9.58)
<i>Medical, 2020</i>								
18-25 years	5,039	6,537	2,603,922	1,873,091.6	19.35 (18.82, 19.89)	25.10 (24.50, 25.71)	26.90 (26.17, 27.66)	34.90 (34.06, 35.76)
26-44 years	4,346	5,208	5,664,030	4,093,950.7	7.67 (7.44, 7.90)	9.19 (8.95, 9.44)	10.62 (10.30, 10.94)	12.72 (12.38, 13.07)
45-64 years	4,367	5,171	6,729,234	5,448,273.3	6.49 (6.30, 6.68)	7.68 (7.48, 7.89)	8.02 (7.78, 8.26)	9.49 (9.24, 9.75)
<i>Adult and Medical, 2020</i>								
18-25 years	3,072	3,980	1,565,709	1,117,180.1	19.62 (18.93, 20.31)	25.42 (24.63, 26.21)	27.50 (26.54, 28.49)	35.63 (34.54, 36.75)
26-44 years	2,650	3,123	3,543,628	2,550,292.5	7.48 (7.19, 7.76)	8.81 (8.50, 9.12)	10.39 (10.00, 10.79)	12.25 (11.82, 12.68)
45-64 years	2,279	2,588	3,574,607	2,893,645.3	6.38 (6.11, 6.64)	7.24 (6.96, 7.52)	7.88 (7.56, 8.21)	8.94 (8.61, 9.30)
<i>Unknown, 2020</i>								
18-25 years	44	55	293,174	200,397.1	1.50 (1.06, 1.94)	1.88 (1.38, 2.37)	2.20 (1.63, 2.95)	2.74 (2.11, 3.57)
26-44 years	29	33	600,867	466,197.7	0.48 (0.31, 0.66)	0.55 (0.36, 0.74)	0.62 (0.43, 0.90)	0.71 (0.50, 1.00)
45-64 years	17	21	449,211	366,789.9	0.38 (0.20, 0.56)	0.47 (0.27, 0.67)	0.46 (0.29, 0.75)	0.57 (0.37, 0.88)
<i>Uncertain, 2020</i>								
18-25 years	2,501	3,231	1,375,736	878,646.8	18.18 (17.47, 18.89)	23.49 (22.68, 24.29)	28.46 (27.37, 29.60)	36.77 (35.53, 38.06)
26-44 years	2,344	2,835	3,528,481	2,286,736.8	6.64 (6.37, 6.91)	8.03 (7.74, 8.33)	10.25 (9.84, 10.67)	12.40 (11.95, 12.86)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	950	1,080	1,904,539	1,298,546.4	4.99 (4.67, 5.31)	5.67 (5.33, 6.01)	7.32 (6.87, 7.80)	8.32 (7.84, 8.83)
<i>Illegal, 2021</i>								
18-25 years	5,023	6,404	2,115,788	1,519,140.8	23.74 (23.08, 24.40)	30.27 (29.53, 31.01)	33.06 (32.16, 33.99)	42.16 (41.14, 43.20)
26-44 years	4,247	5,155	4,859,437	3,504,751.2	8.74 (8.48, 9.00)	10.61 (10.32, 10.90)	12.12 (11.76, 12.49)	14.71 (14.31, 15.12)
45-64 years	4,128	4,984	5,486,813	4,403,764.9	7.52 (7.29, 7.75)	9.08 (8.83, 9.34)	9.37 (9.09, 9.66)	11.32 (11.01, 11.64)
<i>Medical, 2021</i>								
18-25 years	6,347	8,094	2,907,843	2,114,222.2	21.83 (21.29, 22.36)	27.84 (27.23, 28.44)	30.02 (29.29, 30.77)	38.28 (37.46, 39.13)
26-44 years	5,885	7,066	6,658,861	4,826,464.1	8.84 (8.61, 9.06)	10.61 (10.36, 10.86)	12.19 (11.89, 12.51)	14.64 (14.30, 14.99)
45-64 years	6,029	7,156	7,712,186	6,269,835.5	7.82 (7.62, 8.01)	9.28 (9.06, 9.49)	9.62 (9.38, 9.86)	11.41 (11.15, 11.68)
<i>Uncertain, 2021</i>								
18-25 years	1,753	2,206	1,011,982	602,639.6	17.32 (16.51, 18.13)	21.80 (20.89, 22.71)	29.09 (27.76, 30.48)	36.61 (35.11, 38.17)
26-44 years	1,950	2,325	2,698,731	1,629,082.9	7.23 (6.91, 7.55)	8.62 (8.27, 8.97)	11.97 (11.45, 12.51)	14.27 (13.70, 14.86)
45-64 years	838	938	1,381,737	894,204.5	6.06 (5.65, 6.48)	6.79 (6.35, 7.22)	9.37 (8.76, 10.03)	10.49 (9.84, 11.18)
<i>Adult and Medical, 2021</i>								
18-25 years	3,527	4,480	1,776,931	1,260,685.6	19.85 (19.19, 20.50)	25.21 (24.47, 25.95)	27.98 (27.07, 28.92)	35.54 (34.51, 36.59)
26-44 years	3,386	3,969	4,144,737	2,964,591.0	8.17 (7.89, 8.44)	9.58 (9.28, 9.87)	11.42 (11.04, 11.81)	13.39 (12.98, 13.81)
45-64 years	2,979	3,521	4,123,391	3,331,493.5	7.22 (6.97, 7.48)	8.54 (8.26, 8.82)	8.94 (8.63, 9.27)	10.57 (10.23, 10.92)
<i>Unknown, 2021</i>								
18-25 years	37	43	290,183	205,771.2	1.28 (0.86, 1.69)	1.48 (1.04, 1.92)	1.80 (1.30, 2.48)	2.09 (1.55, 2.82)
26-44 years	15	19	598,213	486,470.7	0.25 (0.12, 0.38)	0.32 (0.17, 0.46)	0.31 (0.19, 0.51)	0.39 (0.25, 0.61)
45-64 years	16	16	460,693	386,819.9	0.35 (0.18, 0.52)	0.35 (0.18, 0.52)	0.41 (0.25, 0.68)	0.41 (0.25, 0.68)
<i>Medical, 2022</i>								
18-25 years	6,003	7,427	3,066,623	2,206,890.9	19.58 (19.08, 20.07)	24.22 (23.67, 24.77)	27.20 (26.52, 27.90)	33.65 (32.90, 34.43)
26-44 years	5,925	7,035	7,159,985	5,073,375.7	8.28 (8.06, 8.49)	9.83 (9.60, 10.05)	11.68 (11.38, 11.98)	13.87 (13.55, 14.19)
45-64 years	5,873	6,897	7,966,316	6,399,163.5	7.37 (7.18, 7.56)	8.66 (8.45, 8.86)	9.18 (8.95, 9.42)	10.78 (10.53, 11.04)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Illegal, 2022</i>								
18-25 years	4,687	5,920	2,224,221	1,564,125.1	21.07 (20.47, 21.68)	26.62 (25.94, 27.29)	29.97 (29.12, 30.84)	37.85 (36.90, 38.83)
26-44 years	4,138	5,028	5,160,758	3,601,303.0	8.02 (7.77, 8.26)	9.74 (9.47, 10.01)	11.49 (11.15, 11.85)	13.96 (13.58, 14.35)
45-64 years	4,034	4,916	5,567,949	4,391,544.7	7.25 (7.02, 7.47)	8.83 (8.58, 9.08)	9.19 (8.91, 9.47)	11.19 (10.89, 11.51)
<i>Adult and Medical, 2022</i>								
18-25 years	3,316	4,137	1,941,277	1,346,230.8	17.08 (16.50, 17.66)	21.31 (20.66, 21.96)	24.63 (23.81, 25.48)	30.73 (29.81, 31.68)
26-44 years	3,281	3,841	4,599,225	3,180,400.5	7.13 (6.89, 7.38)	8.35 (8.09, 8.62)	10.32 (9.97, 10.68)	12.08 (11.70, 12.47)
45-64 years	2,857	3,302	4,375,525	3,445,099.9	6.53 (6.29, 6.77)	7.55 (7.29, 7.80)	8.29 (7.99, 8.60)	9.58 (9.26, 9.92)
<i>Unknown, 2022</i>								
18-25 years	16	21	305,347	199,242.1	0.52 (0.27, 0.78)	0.69 (0.39, 0.98)	0.80 (0.49, 1.31)	1.05 (0.69, 1.62)
26-44 years	17	18	582,825	444,286.7	0.29 (0.15, 0.43)	0.31 (0.17, 0.45)	0.38 (0.24, 0.62)	0.41 (0.26, 0.64)
45-64 years	12	14	454,073	363,369.2	0.26 (0.11, 0.41)	0.31 (0.15, 0.47)	0.33 (0.19, 0.58)	0.39 (0.23, 0.65)
<i>Uncertain, 2022</i>								
18-25 years	951	1,229	701,640	375,179.9	13.55 (12.69, 14.41)	17.52 (16.54, 18.49)	25.35 (23.79, 27.01)	32.76 (30.98, 34.64)
26-44 years	1,256	1,480	1,909,245	1,031,205.9	6.58 (6.21, 6.94)	7.75 (7.36, 8.15)	12.18 (11.52, 12.87)	14.35 (13.64, 15.10)
45-64 years	480	541	914,999	515,847.3	5.25 (4.78, 5.72)	5.91 (5.41, 6.41)	9.31 (8.51, 10.18)	10.49 (9.64, 11.41)
Outpatient Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Medical, 2017</i>								
18-25 years	18,184	158,646	2,748,460	1,906,285.5	66.16 (65.20, 67.12)	577.22 (574.46, 579.98)	95.39 (94.01, 96.79)	832.23 (828.14, 836.33)
26-44 years	11,191	63,241	5,919,114	4,132,168.0	18.91 (18.56, 19.26)	106.84 (106.01, 107.67)	27.08 (26.59, 27.59)	153.05 (151.86, 154.24)
45-64 years	8,346	32,300	6,985,087	5,484,422.3	11.95 (11.69, 12.20)	46.24 (45.74, 46.74)	15.22 (14.89, 15.55)	58.89 (58.26, 59.54)
<i>Illegal, 2017</i>								
18-25 years	20,980	161,349	3,271,526	2,284,404.4	64.13 (63.26, 64.99)	493.19 (490.85, 495.54)	91.84 (90.61, 93.09)	706.31 (702.87, 709.76)
26-44 years	12,299	56,442	7,455,869	5,278,153.8	16.50 (16.20, 16.79)	75.70 (75.08, 76.32)	23.30 (22.89, 23.72)	106.94 (106.06, 107.82)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	9,501	32,531	9,219,465	7,305,474.2	10.31 (10.10, 10.51)	35.29 (34.90, 35.67)	13.01 (12.75, 13.27)	44.53 (44.05, 45.02)
<i>Unknown, 2017</i>								
18-25 years	444	3,048	224,972	147,127.7	19.74 (17.90, 21.57)	135.48 (130.71, 140.26)	30.18 (27.50, 33.12)	207.17 (199.94, 214.65)
26-44 years	124	608	383,945	292,516.2	3.23 (2.66, 3.80)	15.84 (14.58, 17.09)	4.24 (3.55, 5.05)	20.79 (19.20, 22.50)
45-64 years	57	245	255,226	207,948.5	2.23 (1.65, 2.81)	9.60 (8.40, 10.80)	2.74 (2.11, 3.55)	11.78 (10.40, 13.35)
<i>Adult and Medical, 2017</i>								
18-25 years	1,967	15,614	255,546	173,656.0	76.97 (73.58, 80.36)	611.01 (601.72, 620.29)	113.27 (108.37, 118.39)	899.13 (885.14, 913.35)
26-44 years	1,680	7,226	654,531	451,004.7	25.67 (24.44, 26.89)	110.40 (107.87, 112.93)	37.25 (35.51, 39.07)	160.22 (156.57, 163.96)
45-64 years	1,360	3,836	691,703	542,549.2	19.66 (18.62, 20.71)	55.46 (53.71, 57.21)	25.07 (23.77, 26.44)	70.70 (68.50, 72.98)
<i>Uncertain, 2017</i>								
18-25 years	11,556	87,262	2,108,558	1,412,745.0	54.81 (53.81, 55.80)	413.85 (411.16, 416.54)	81.80 (80.32, 83.30)	617.68 (613.59, 621.79)
26-44 years	8,261	41,076	4,990,894	3,385,591.9	16.55 (16.20, 16.91)	82.30 (81.51, 83.09)	24.40 (23.88, 24.93)	121.33 (120.16, 122.50)
45-64 years	2,916	12,090	2,960,050	2,176,466.3	9.85 (9.49, 10.21)	40.84 (40.12, 41.57)	13.40 (12.92, 13.89)	55.55 (54.57, 56.55)
<i>Uncertain, 2018</i>								
18-25 years	11,259	83,330	1,898,548	1,263,877.2	59.30 (58.21, 60.40)	438.91 (436.00, 441.83)	89.08 (87.45, 90.74)	659.32 (654.86, 663.81)
26-44 years	9,373	46,103	4,603,795	3,097,937.4	20.36 (19.95, 20.77)	100.14 (99.23, 101.05)	30.26 (29.65, 30.87)	148.82 (147.47, 150.18)
45-64 years	3,316	13,441	2,676,425	1,950,764.5	12.39 (11.97, 12.81)	50.22 (49.37, 51.07)	17.00 (16.43, 17.59)	68.90 (67.75, 70.08)
<i>Unknown, 2018</i>								
18-25 years	351	3,313	235,585	148,672.6	14.90 (13.34, 16.46)	140.63 (135.87, 145.38)	23.61 (21.26, 26.21)	222.84 (215.38, 230.56)
26-44 years	120	808	451,135	330,186.0	2.66 (2.18, 3.14)	17.91 (16.68, 19.14)	3.63 (3.04, 4.35)	24.47 (22.84, 26.22)
45-64 years	78	349	337,930	248,459.7	2.31 (1.80, 2.82)	10.33 (9.24, 11.41)	3.14 (2.51, 3.92)	14.05 (12.65, 15.60)
<i>Adult and Medical, 2018</i>								
18-25 years	7,169	54,615	1,120,686	789,474.3	63.97 (62.49, 65.45)	487.34 (483.35, 491.32)	90.81 (88.73, 92.93)	691.79 (686.01, 697.62)
26-44 years	5,837	27,588	2,506,920	1,781,026.2	23.28 (22.69, 23.88)	110.05 (108.76, 111.34)	32.77 (31.94, 33.62)	154.90 (153.08, 156.74)
45-64 years	4,238	13,515	2,526,548	2,038,795.2	16.77 (16.27, 17.28)	53.49 (52.59, 54.39)	20.79 (20.17, 21.42)	66.29 (65.18, 67.42)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Medical, 2018</i>								
18-25 years	15,797	134,876	2,086,488	1,448,432.0	75.71 (74.53, 76.89)	646.43 (643.09, 649.76)	109.06 (107.38, 110.78)	931.19 (926.23, 936.17)
26-44 years	10,447	58,034	4,460,201	3,087,718.5	23.42 (22.97, 23.87)	130.12 (129.06, 131.17)	33.83 (33.19, 34.49)	187.95 (186.43, 189.49)
45-64 years	8,187	32,470	5,386,001	4,235,749.2	15.20 (14.87, 15.53)	60.29 (59.63, 60.94)	19.33 (18.91, 19.75)	76.66 (75.83, 77.50)
<i>Illegal, 2018</i>								
18-25 years	21,845	163,001	3,194,170	2,254,032.9	68.39 (67.49, 69.29)	510.31 (507.89, 512.72)	96.92 (95.64, 98.21)	723.15 (719.65, 726.67)
26-44 years	14,142	66,386	7,275,275	5,195,403.4	19.44 (19.12, 19.76)	91.25 (90.56, 91.94)	27.22 (26.78, 27.67)	127.78 (126.81, 128.75)
45-64 years	11,366	36,800	8,747,940	7,019,672.9	12.99 (12.75, 13.23)	42.07 (41.64, 42.50)	16.19 (15.90, 16.49)	52.42 (51.89, 52.96)
<i>Adult and Medical, 2019</i>								
18-25 years	8,884	61,834	1,240,323	879,716.1	71.63 (70.14, 73.11)	498.53 (494.70, 502.36)	100.99 (98.91, 103.11)	702.89 (697.37, 708.45)
26-44 years	7,614	35,690	2,775,575	1,977,573.6	27.43 (26.82, 28.05)	128.59 (127.26, 129.91)	38.50 (37.65, 39.38)	180.47 (178.61, 182.36)
45-64 years	5,298	16,874	2,792,044	2,258,757.6	18.98 (18.46, 19.49)	60.44 (59.53, 61.35)	23.46 (22.83, 24.10)	74.70 (73.59, 75.84)
<i>Uncertain, 2019</i>								
18-25 years	10,546	73,993	1,675,108	1,092,312.8	62.96 (61.76, 64.15)	441.72 (438.61, 444.83)	96.55 (94.72, 98.41)	677.40 (672.53, 682.30)
26-44 years	10,293	50,569	4,166,980	2,742,834.2	24.70 (24.22, 25.18)	121.36 (120.31, 122.41)	37.53 (36.81, 38.26)	184.37 (182.77, 185.98)
45-64 years	3,234	14,386	2,350,569	1,662,809.9	13.76 (13.28, 14.23)	61.20 (60.21, 62.20)	19.45 (18.79, 20.13)	86.52 (85.11, 87.94)
<i>Unknown, 2019</i>								
18-25 years	263	1,547	268,138	167,536.5	9.81 (8.62, 10.99)	57.69 (54.83, 60.56)	15.70 (13.91, 17.71)	92.34 (87.85, 97.06)
26-44 years	129	686	539,379	403,237.0	2.39 (1.98, 2.80)	12.72 (11.77, 13.67)	3.20 (2.69, 3.80)	17.01 (15.79, 18.33)
45-64 years	53	171	400,906	315,209.0	1.32 (0.97, 1.68)	4.27 (3.63, 4.90)	1.68 (1.28, 2.20)	5.42 (4.67, 6.30)
<i>Medical, 2019</i>								
18-25 years	21,675	166,298	2,793,244	1,934,258.8	77.60 (76.57, 78.63)	595.36 (592.58, 598.13)	112.06 (110.58, 113.56)	859.75 (855.63, 863.89)
26-44 years	16,535	85,360	5,954,613	4,110,775.1	27.77 (27.35, 28.19)	143.35 (142.40, 144.31)	40.22 (39.62, 40.84)	207.65 (206.26, 209.05)
45-64 years	13,360	49,656	7,174,160	5,557,146.2	18.62 (18.31, 18.94)	69.22 (68.61, 69.82)	24.04 (23.64, 24.45)	89.36 (88.57, 90.14)
<i>Illegal, 2019</i>								

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	17,855	120,602	2,670,895	1,891,354.6	66.85 (65.87, 67.83)	451.54 (449.05, 454.03)	94.40 (93.03, 95.80)	637.65 (634.06, 641.26)
26-44 years	13,934	61,170	6,160,693	4,409,002.3	22.62 (22.24, 22.99)	99.29 (98.51, 100.07)	31.60 (31.08, 32.13)	138.74 (137.64, 139.84)
45-64 years	10,936	36,498	7,195,638	5,763,230.5	15.20 (14.91, 15.48)	50.72 (50.20, 51.24)	18.98 (18.62, 19.33)	63.33 (62.68, 63.98)
<i>Illegal, 2020</i>								
18-25 years	18,592	120,462	2,639,096	1,888,774.7	70.45 (69.44, 71.46)	456.45 (453.93, 458.97)	98.43 (97.03, 99.86)	637.78 (634.19, 641.39)
26-44 years	17,235	90,462	6,068,823	4,385,829.6	28.40 (27.98, 28.82)	149.06 (148.10, 150.02)	39.30 (38.71, 39.89)	206.26 (204.92, 207.61)
45-64 years	12,802	48,030	7,023,326	5,615,878.4	18.23 (17.91, 18.54)	68.39 (67.78, 69.00)	22.80 (22.40, 23.19)	85.53 (84.76, 86.29)
<i>Medical, 2020</i>								
18-25 years	19,549	147,273	2,603,922	1,873,091.6	75.08 (74.03, 76.12)	565.58 (562.78, 568.39)	104.37 (102.91, 105.84)	786.26 (782.25, 790.28)
26-44 years	16,737	90,557	5,664,030	4,093,950.7	29.55 (29.10, 30.00)	159.88 (158.85, 160.91)	40.88 (40.27, 41.51)	221.20 (219.76, 222.64)
45-64 years	13,580	53,240	6,729,234	5,448,273.3	20.18 (19.84, 20.52)	79.12 (78.45, 79.79)	24.93 (24.51, 25.35)	97.72 (96.89, 98.55)
<i>Adult and Medical, 2020</i>								
18-25 years	11,835	78,446	1,565,709	1,117,180.1	75.59 (74.23, 76.95)	501.03 (497.61, 504.44)	105.94 (104.04, 107.86)	702.18 (697.28, 707.11)
26-44 years	11,132	52,498	3,543,628	2,550,292.5	31.41 (30.83, 32.00)	148.15 (146.89, 149.41)	43.65 (42.85, 44.47)	205.85 (204.10, 207.62)
45-64 years	7,743	25,700	3,574,607	2,893,645.3	21.66 (21.18, 22.14)	71.90 (71.02, 72.77)	26.76 (26.17, 27.36)	88.82 (87.74, 89.91)
<i>Unknown, 2020</i>								
18-25 years	185	1,119	293,174	200,397.1	6.31 (5.40, 7.22)	38.17 (35.94, 40.40)	9.23 (7.99, 10.66)	55.84 (52.66, 59.21)
26-44 years	86	524	600,867	466,197.7	1.43 (1.13, 1.73)	8.72 (7.97, 9.47)	1.84 (1.49, 2.28)	11.24 (10.32, 12.24)
45-64 years	38	133	449,211	366,789.9	0.85 (0.58, 1.11)	2.96 (2.46, 3.46)	1.04 (0.75, 1.42)	3.63 (3.06, 4.30)
<i>Uncertain, 2020</i>								
18-25 years	8,646	55,707	1,375,736	878,646.8	62.85 (61.53, 64.17)	404.93 (401.63, 408.22)	98.40 (96.35, 100.50)	634.01 (628.77, 639.30)
26-44 years	9,276	46,540	3,528,481	2,286,736.8	26.29 (25.75, 26.82)	131.90 (130.71, 133.09)	40.56 (39.75, 41.40)	203.52 (201.68, 205.38)
45-64 years	2,752	11,982	1,904,539	1,298,546.4	14.45 (13.91, 14.99)	62.91 (61.79, 64.04)	21.19 (20.42, 22.00)	92.27 (90.63, 93.94)
<i>Illegal, 2021</i>								
18-25 years	16,448	104,585	2,115,788	1,519,140.8	77.74 (76.56, 78.92)	494.31 (491.39, 497.23)	108.27 (106.63, 109.94)	688.45 (684.29, 692.63)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	18,583	128,242	4,859,437	3,504,751.2	38.24 (37.69, 38.79)	263.90 (262.48, 265.33)	53.02 (52.27, 53.79)	365.91 (363.91, 367.92)
45-64 years	12,849	58,475	5,486,813	4,403,764.9	23.42 (23.01, 23.82)	106.57 (105.71, 107.43)	29.18 (28.68, 29.69)	132.78 (131.71, 133.86)
<i>Medical, 2021</i>								
18-25 years	24,899	167,809	2,907,843	2,114,222.2	85.63 (84.57, 86.69)	577.09 (574.41, 579.77)	117.77 (116.32, 119.24)	793.72 (789.93, 797.52)
26-44 years	23,921	122,139	6,658,861	4,826,464.1	35.92 (35.47, 36.38)	183.42 (182.40, 184.44)	49.56 (48.94, 50.19)	253.06 (251.65, 254.48)
45-64 years	19,368	75,340	7,712,186	6,269,835.5	25.11 (24.76, 25.47)	97.69 (97.00, 98.38)	30.89 (30.46, 31.33)	120.16 (119.31, 121.02)
<i>Uncertain, 2021</i>								
18-25 years	6,760	41,633	1,011,982	602,639.6	66.80 (65.21, 68.39)	411.40 (407.53, 415.27)	112.17 (109.53, 114.88)	690.84 (684.24, 697.51)
26-44 years	8,534	41,893	2,698,731	1,629,082.9	31.62 (30.95, 32.29)	155.23 (153.76, 156.71)	52.39 (51.29, 53.51)	257.16 (254.71, 259.63)
45-64 years	2,436	10,056	1,381,737	894,204.5	17.63 (16.93, 18.33)	72.78 (71.36, 74.20)	27.24 (26.18, 28.35)	112.46 (110.28, 114.68)
<i>Adult and Medical, 2021</i>								
18-25 years	15,314	93,862	1,776,931	1,260,685.6	86.18 (84.82, 87.54)	528.23 (524.94, 531.51)	121.47 (119.56, 123.41)	744.53 (739.78, 749.31)
26-44 years	15,763	70,776	4,144,737	2,964,591.0	38.03 (37.44, 38.62)	170.76 (169.51, 172.01)	53.17 (52.35, 54.01)	238.74 (236.99, 240.50)
45-64 years	11,224	35,182	4,123,391	3,331,493.5	27.22 (26.72, 27.72)	85.32 (84.44, 86.21)	33.69 (33.07, 34.32)	105.60 (104.51, 106.71)
<i>Unknown, 2021</i>								
18-25 years	156	810	290,183	205,771.2	5.38 (4.53, 6.22)	27.91 (25.99, 29.83)	7.58 (6.48, 8.87)	39.36 (36.74, 42.17)
26-44 years	82	281	598,213	486,470.7	1.37 (1.07, 1.67)	4.70 (4.15, 5.25)	1.69 (1.36, 2.09)	5.78 (5.14, 6.49)
45-64 years	44	107	460,693	386,819.9	0.96 (0.67, 1.24)	2.32 (1.88, 2.76)	1.14 (0.85, 1.53)	2.77 (2.29, 3.34)
<i>Medical, 2022</i>								
18-25 years	27,012	174,259	3,066,623	2,206,890.9	88.08 (87.04, 89.13)	568.24 (565.65, 570.84)	122.40 (120.95, 123.87)	789.61 (785.91, 793.33)
26-44 years	29,344	141,287	7,159,985	5,073,375.7	40.98 (40.52, 41.45)	197.33 (196.31, 198.35)	57.84 (57.18, 58.50)	278.49 (277.04, 279.94)
45-64 years	24,269	87,221	7,966,316	6,399,163.5	30.46 (30.08, 30.85)	109.49 (108.76, 110.21)	37.93 (37.45, 38.41)	136.30 (135.40, 137.21)
<i>Illegal, 2022</i>								
18-25 years	17,531	108,348	2,224,221	1,564,125.1	78.82 (77.66, 79.98)	487.13 (484.30, 489.96)	112.08 (110.43, 113.75)	692.71 (688.59, 696.84)
26-44 years	21,333	150,739	5,160,758	3,601,303.0	41.34 (40.78, 41.89)	292.09 (290.63, 293.54)	59.24 (58.45, 60.04)	418.57 (416.46, 420.69)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	15,239	72,184	5,567,949	4,391,544.7	27.37 (26.94, 27.80)	129.64 (128.70, 130.58)	34.70 (34.15, 35.26)	164.37 (163.18, 165.57)
<i>Adult and Medical, 2022</i>								
18-25 years	16,664	97,318	1,941,277	1,346,230.8	85.84 (84.54, 87.14)	501.31 (498.24, 504.38)	123.78 (121.92, 125.68)	722.89 (718.36, 727.45)
26-44 years	19,373	88,795	4,599,225	3,180,400.5	42.12 (41.53, 42.71)	193.07 (191.81, 194.32)	60.91 (60.06, 61.78)	279.19 (277.36, 281.04)
45-64 years	13,875	43,045	4,375,525	3,445,099.9	31.71 (31.18, 32.24)	98.38 (97.45, 99.30)	40.27 (39.61, 40.95)	124.95 (123.77, 126.13)
<i>Unknown, 2022</i>								
18-25 years	102	447	305,347	199,242.1	3.34 (2.69, 3.99)	14.64 (13.28, 16.00)	5.12 (4.22, 6.22)	22.44 (20.45, 24.61)
26-44 years	83	324	582,825	444,286.7	1.42 (1.12, 1.73)	5.56 (4.95, 6.16)	1.87 (1.51, 2.32)	7.29 (6.54, 8.13)
45-64 years	48	167	454,073	363,369.2	1.06 (0.76, 1.36)	3.68 (3.12, 4.24)	1.32 (1.00, 1.75)	4.60 (3.95, 5.35)
<i>Uncertain, 2022</i>								
18-25 years	4,276	25,192	701,640	375,179.9	60.94 (59.12, 62.76)	359.04 (354.69, 363.40)	113.97 (110.61, 117.44)	671.46 (663.22, 679.81)
26-44 years	6,433	30,576	1,909,245	1,031,205.9	33.69 (32.87, 34.52)	160.15 (158.37, 161.93)	62.38 (60.88, 63.93)	296.51 (293.20, 299.85)
45-64 years	1,768	6,915	914,999	515,847.3	19.32 (18.42, 20.22)	75.57 (73.80, 77.35)	34.27 (32.71, 35.91)	134.05 (130.93, 137.25)
Institutional Care Setting								
<i>Any Cannabis-Related Disorder or Cannabis Poisoning</i>								
<i>Medical, 2017</i>								
18-25 years	1,686	2,163	2,748,460	1,906,285.5	6.13 (5.84, 6.43)	7.87 (7.54, 8.20)	8.84 (8.43, 9.28)	11.35 (10.88, 11.84)
26-44 years	754	907	5,919,114	4,132,168.0	1.27 (1.18, 1.36)	1.53 (1.43, 1.63)	1.82 (1.70, 1.96)	2.19 (2.06, 2.34)
45-64 years	507	581	6,985,087	5,484,422.3	0.73 (0.66, 0.79)	0.83 (0.76, 0.90)	0.92 (0.85, 1.01)	1.06 (0.98, 1.15)
<i>Illegal, 2017</i>								
18-25 years	2,137	2,685	3,271,526	2,284,404.4	6.53 (6.26, 6.81)	8.21 (7.90, 8.52)	9.35 (8.97, 9.76)	11.75 (11.32, 12.21)
26-44 years	985	1,179	7,455,869	5,278,153.8	1.32 (1.24, 1.40)	1.58 (1.49, 1.67)	1.87 (1.75, 1.99)	2.23 (2.11, 2.36)
45-64 years	951	1,117	9,219,465	7,305,474.2	1.03 (0.97, 1.10)	1.21 (1.14, 1.28)	1.30 (1.22, 1.39)	1.53 (1.44, 1.62)
<i>Unknown, 2017</i>								
18-25 years	*****	*****	*****	*****	0.31 (0.08, 0.54)	0.40 (0.14, 0.66)	0.48 (0.23, 1.00)	0.61 (0.32, 1.18)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	*****	*****	*****	*****	0.05 (-0.02, 0.12)	0.05 (-0.02, 0.12)	0.07 (0.02, 0.27)	0.07 (0.02, 0.27)
45-64 years	*****	*****	*****	*****	0.08 (-0.03, 0.19)	0.08 (-0.03, 0.19)	0.10 (0.02, 0.38)	0.10 (0.02, 0.38)
<i>Adult and Medical, 2017</i>								
18-25 years	177	222	255,546	173,656.0	6.93 (5.91, 7.95)	8.69 (7.54, 9.83)	10.19 (8.80, 11.81)	12.78 (11.21, 14.58)
26-44 years	111	129	654,531	451,004.7	1.70 (1.38, 2.01)	1.97 (1.63, 2.31)	2.46 (2.04, 2.96)	2.86 (2.41, 3.40)
45-64 years	81	96	691,703	542,549.2	1.17 (0.92, 1.43)	1.39 (1.11, 1.67)	1.49 (1.20, 1.86)	1.77 (1.45, 2.16)
<i>Uncertain, 2017</i>								
18-25 years	868	1,105	2,108,558	1,412,745.0	4.12 (3.84, 4.39)	5.24 (4.93, 5.55)	6.14 (5.75, 6.57)	7.82 (7.37, 8.30)
26-44 years	419	461	4,990,894	3,385,591.9	0.84 (0.76, 0.92)	0.92 (0.84, 1.01)	1.24 (1.12, 1.36)	1.36 (1.24, 1.49)
45-64 years	151	164	2,960,050	2,176,466.3	0.51 (0.43, 0.59)	0.55 (0.47, 0.64)	0.69 (0.59, 0.81)	0.75 (0.65, 0.88)
<i>Uncertain, 2018</i>								
18-25 years	915	1,224	1,898,548	1,263,877.2	4.82 (4.51, 5.13)	6.45 (6.09, 6.81)	7.24 (6.79, 7.72)	9.68 (9.16, 10.24)
26-44 years	462	530	4,603,795	3,097,937.4	1.00 (0.91, 1.10)	1.15 (1.05, 1.25)	1.49 (1.36, 1.63)	1.71 (1.57, 1.86)
45-64 years	195	229	2,676,425	1,950,764.5	0.73 (0.63, 0.83)	0.86 (0.74, 0.97)	1.00 (0.87, 1.15)	1.17 (1.03, 1.34)
<i>Unknown, 2018</i>								
18-25 years	*****	*****	*****	*****	0.47 (0.19, 0.74)	0.51 (0.22, 0.80)	0.74 (0.41, 1.34)	0.81 (0.46, 1.42)
26-44 years	*****	*****	*****	*****	0.02 (-0.02, 0.07)	0.07 (-0.01, 0.14)	0.03 (0.00, 0.22)	0.09 (0.03, 0.28)
45-64 years	0	0	337,930	248,459.7	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)
<i>Adult and Medical, 2018</i>								
18-25 years	514	724	1,120,686	789,474.3	4.59 (4.19, 4.98)	6.46 (5.99, 6.93)	6.51 (5.97, 7.10)	9.17 (8.53, 9.86)
26-44 years	266	343	2,506,920	1,781,026.2	1.06 (0.93, 1.19)	1.37 (1.22, 1.51)	1.49 (1.32, 1.68)	1.93 (1.73, 2.14)
45-64 years	160	185	2,526,548	2,038,795.2	0.63 (0.54, 0.73)	0.73 (0.63, 0.84)	0.78 (0.67, 0.92)	0.91 (0.79, 1.05)
<i>Medical, 2018</i>								
18-25 years	1,606	2,096	2,086,488	1,448,432.0	7.70 (7.32, 8.07)	10.05 (9.62, 10.48)	11.09 (10.56, 11.64)	14.47 (13.86, 15.10)
26-44 years	704	840	4,460,201	3,087,718.5	1.58 (1.46, 1.69)	1.88 (1.76, 2.01)	2.28 (2.12, 2.45)	2.72 (2.54, 2.91)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
45-64 years	553	642	5,386,001	4,235,749.2	1.03 (0.94, 1.11)	1.19 (1.10, 1.28)	1.31 (1.20, 1.42)	1.52 (1.40, 1.64)
<i>Illegal, 2018</i>								
18-25 years	1,969	2,475	3,194,170	2,254,032.9	6.16 (5.89, 6.44)	7.75 (7.44, 8.05)	8.74 (8.36, 9.13)	10.98 (10.56, 11.42)
26-44 years	1,141	1,409	7,275,275	5,195,403.4	1.57 (1.48, 1.66)	1.94 (1.84, 2.04)	2.20 (2.07, 2.33)	2.71 (2.57, 2.86)
45-64 years	1,056	1,255	8,747,940	7,019,672.9	1.21 (1.13, 1.28)	1.43 (1.36, 1.51)	1.50 (1.42, 1.60)	1.79 (1.69, 1.89)
<i>Adult and Medical, 2019</i>								
18-25 years	505	709	1,240,323	879,716.1	4.07 (3.72, 4.43)	5.72 (5.30, 6.14)	5.74 (5.26, 6.26)	8.06 (7.49, 8.68)
26-44 years	344	426	2,775,575	1,977,573.6	1.24 (1.11, 1.37)	1.53 (1.39, 1.68)	1.74 (1.57, 1.93)	2.15 (1.96, 2.37)
45-64 years	222	258	2,792,044	2,258,757.6	0.80 (0.69, 0.90)	0.92 (0.81, 1.04)	0.98 (0.86, 1.12)	1.14 (1.01, 1.29)
<i>Uncertain, 2019</i>								
18-25 years	815	1,109	1,675,108	1,092,312.8	4.87 (4.53, 5.20)	6.62 (6.23, 7.01)	7.46 (6.97, 7.99)	10.15 (9.57, 10.77)
26-44 years	602	733	4,166,980	2,742,834.2	1.44 (1.33, 1.56)	1.76 (1.63, 1.89)	2.19 (2.03, 2.38)	2.67 (2.49, 2.87)
45-64 years	190	218	2,350,569	1,662,809.9	0.81 (0.69, 0.92)	0.93 (0.80, 1.05)	1.14 (0.99, 1.32)	1.31 (1.15, 1.50)
<i>Unknown, 2019</i>								
18-25 years	*****	*****	*****	*****	0.37 (0.14, 0.60)	0.48 (0.22, 0.75)	0.60 (0.32, 1.11)	0.78 (0.45, 1.34)
26-44 years	*****	*****	*****	*****	0.06 (-0.01, 0.12)	0.07 (0.00, 0.15)	0.07 (0.02, 0.23)	0.10 (0.04, 0.26)
45-64 years	0	0	400,906	315,209.0	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)
<i>Medical, 2019</i>								
18-25 years	2,191	2,984	2,793,244	1,934,258.8	7.84 (7.52, 8.17)	10.68 (10.30, 11.07)	11.33 (10.86, 11.81)	15.43 (14.88, 15.99)
26-44 years	1,248	1,548	5,954,613	4,110,775.1	2.10 (1.98, 2.21)	2.60 (2.47, 2.73)	3.04 (2.87, 3.21)	3.77 (3.58, 3.96)
45-64 years	1,018	1,222	7,174,160	5,557,146.2	1.42 (1.33, 1.51)	1.70 (1.61, 1.80)	1.83 (1.72, 1.95)	2.20 (2.08, 2.33)
<i>Illegal, 2019</i>								
18-25 years	1,452	1,834	2,670,895	1,891,354.6	5.44 (5.16, 5.72)	6.87 (6.55, 7.18)	7.68 (7.29, 8.08)	9.70 (9.26, 10.15)
26-44 years	952	1,188	6,160,693	4,409,002.3	1.55 (1.45, 1.64)	1.93 (1.82, 2.04)	2.16 (2.03, 2.30)	2.69 (2.55, 2.85)
45-64 years	999	1,211	7,195,638	5,763,230.5	1.39 (1.30, 1.47)	1.68 (1.59, 1.78)	1.73 (1.63, 1.84)	2.10 (1.99, 2.22)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
<i>Illegal, 2020</i>								
18-25 years	1,481	1,922	2,639,096	1,888,774.7	5.61 (5.33, 5.90)	7.28 (6.96, 7.61)	7.84 (7.45, 8.25)	10.18 (9.73, 10.64)
26-44 years	1,280	1,589	6,068,823	4,385,829.6	2.11 (1.99, 2.22)	2.62 (2.49, 2.75)	2.92 (2.76, 3.08)	3.62 (3.45, 3.81)
45-64 years	1,105	1,368	7,023,326	5,615,878.4	1.57 (1.48, 1.67)	1.95 (1.84, 2.05)	1.97 (1.85, 2.09)	2.44 (2.31, 2.57)
<i>Medical, 2020</i>								
18-25 years	1,903	2,577	2,603,922	1,873,091.6	7.31 (6.98, 7.64)	9.90 (9.51, 10.28)	10.16 (9.71, 10.63)	13.76 (13.24, 14.30)
26-44 years	1,353	1,702	5,664,030	4,093,950.7	2.39 (2.26, 2.52)	3.00 (2.86, 3.15)	3.30 (3.13, 3.49)	4.16 (3.96, 4.36)
45-64 years	1,113	1,329	6,729,234	5,448,273.3	1.65 (1.56, 1.75)	1.97 (1.87, 2.08)	2.04 (1.93, 2.17)	2.44 (2.31, 2.57)
<i>Adult and Medical, 2020</i>								
18-25 years	759	1,056	1,565,709	1,117,180.1	4.85 (4.50, 5.19)	6.74 (6.34, 7.15)	6.79 (6.33, 7.29)	9.45 (8.90, 10.04)
26-44 years	534	699	3,543,628	2,550,292.5	1.51 (1.38, 1.63)	1.97 (1.83, 2.12)	2.09 (1.92, 2.28)	2.74 (2.55, 2.95)
45-64 years	430	534	3,574,607	2,893,645.3	1.20 (1.09, 1.32)	1.49 (1.37, 1.62)	1.49 (1.35, 1.63)	1.85 (1.70, 2.01)
<i>Unknown, 2020</i>								
18-25 years	*****	*****	*****	*****	0.44 (0.20, 0.68)	0.55 (0.28, 0.81)	0.65 (0.38, 1.12)	0.80 (0.49, 1.30)
26-44 years	*****	*****	*****	*****	0.07 (0.00, 0.13)	0.07 (0.00, 0.13)	0.09 (0.03, 0.23)	0.09 (0.03, 0.23)
45-64 years	0	0	449,211	366,789.9	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)
<i>Uncertain, 2020</i>								
18-25 years	738	960	1,375,736	878,646.8	5.36 (4.98, 5.75)	6.98 (6.54, 7.42)	8.40 (7.81, 9.03)	10.93 (10.26, 11.64)
26-44 years	564	654	3,528,481	2,286,736.8	1.60 (1.47, 1.73)	1.85 (1.71, 2.00)	2.47 (2.27, 2.68)	2.86 (2.65, 3.09)
45-64 years	214	267	1,904,539	1,298,546.4	1.12 (0.97, 1.27)	1.40 (1.23, 1.57)	1.65 (1.44, 1.88)	2.06 (1.82, 2.32)
<i>Illegal, 2021</i>								
18-25 years	1,135	1,426	2,115,788	1,519,140.8	5.36 (5.05, 5.68)	6.74 (6.39, 7.09)	7.47 (7.05, 7.92)	9.39 (8.91, 9.89)
26-44 years	1,471	1,869	4,859,437	3,504,751.2	3.03 (2.87, 3.18)	3.85 (3.67, 4.02)	4.20 (3.99, 4.42)	5.33 (5.10, 5.58)
45-64 years	1,156	1,447	5,486,813	4,403,764.9	2.11 (1.99, 2.23)	2.64 (2.50, 2.77)	2.63 (2.48, 2.78)	3.29 (3.12, 3.46)
<i>Medical, 2021</i>								

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
18-25 years	2,072	2,693	2,907,843	2,114,222.2	7.13 (6.82, 7.43)	9.26 (8.91, 9.61)	9.80 (9.39, 10.23)	12.74 (12.27, 13.23)
26-44 years	1,737	2,289	6,658,861	4,826,464.1	2.61 (2.49, 2.73)	3.44 (3.30, 3.58)	3.60 (3.43, 3.77)	4.74 (4.55, 4.94)
45-64 years	1,430	1,760	7,712,186	6,269,835.5	1.85 (1.76, 1.95)	2.28 (2.18, 2.39)	2.28 (2.17, 2.40)	2.81 (2.68, 2.94)
<i>Uncertain, 2021</i>								
18-25 years	581	809	1,011,982	602,639.6	5.74 (5.27, 6.21)	7.99 (7.44, 8.54)	9.64 (8.89, 10.46)	13.42 (12.53, 14.38)
26-44 years	536	626	2,698,731	1,629,082.9	1.99 (1.82, 2.15)	2.32 (2.14, 2.50)	3.29 (3.02, 3.58)	3.84 (3.55, 4.16)
45-64 years	213	267	1,381,737	894,204.5	1.54 (1.33, 1.75)	1.93 (1.70, 2.16)	2.38 (2.08, 2.72)	2.99 (2.65, 3.37)
<i>Adult and Medical, 2021</i>								
18-25 years	1,013	1,303	1,776,931	1,260,685.6	5.70 (5.35, 6.05)	7.33 (6.93, 7.73)	8.04 (7.56, 8.55)	10.34 (9.79, 10.91)
26-44 years	800	995	4,144,737	2,964,591.0	1.93 (1.80, 2.06)	2.40 (2.25, 2.55)	2.70 (2.52, 2.89)	3.36 (3.15, 3.57)
45-64 years	649	800	4,123,391	3,331,493.5	1.57 (1.45, 1.70)	1.94 (1.81, 2.07)	1.95 (1.80, 2.10)	2.40 (2.24, 2.57)
<i>Unknown, 2021</i>								
18-25 years	*****	*****	*****	*****	0.52 (0.26, 0.78)	0.55 (0.28, 0.82)	0.73 (0.44, 1.21)	0.78 (0.48, 1.27)
26-44 years	*****	*****	*****	*****	0.03 (-0.01, 0.08)	0.03 (-0.01, 0.08)	0.04 (0.01, 0.16)	0.04 (0.01, 0.16)
45-64 years	*****	*****	*****	*****	0.04 (-0.02, 0.10)	0.04 (-0.02, 0.10)	0.05 (0.01, 0.21)	0.05 (0.01, 0.21)
<i>Medical, 2022</i>								
18-25 years	1,957	2,492	3,066,623	2,206,890.9	6.38 (6.10, 6.66)	8.13 (7.81, 8.45)	8.87 (8.48, 9.27)	11.29 (10.86, 11.74)
26-44 years	1,791	2,283	7,159,985	5,073,375.7	2.50 (2.39, 2.62)	3.19 (3.06, 3.32)	3.53 (3.37, 3.70)	4.50 (4.32, 4.69)
45-64 years	1,603	1,945	7,966,316	6,399,163.5	2.01 (1.91, 2.11)	2.44 (2.33, 2.55)	2.51 (2.39, 2.63)	3.04 (2.91, 3.18)
<i>Illegal, 2022</i>								
18-25 years	1,125	1,431	2,224,221	1,564,125.1	5.06 (4.76, 5.35)	6.43 (6.10, 6.77)	7.19 (6.78, 7.63)	9.15 (8.69, 9.64)
26-44 years	1,370	1,823	5,160,758	3,601,303.0	2.65 (2.51, 2.80)	3.53 (3.37, 3.69)	3.80 (3.61, 4.01)	5.06 (4.83, 5.30)
45-64 years	1,194	1,529	5,567,949	4,391,544.7	2.14 (2.02, 2.27)	2.75 (2.61, 2.88)	2.72 (2.57, 2.88)	3.48 (3.31, 3.66)
<i>Adult and Medical, 2022</i>								
18-25 years	932	1,251	1,941,277	1,346,230.8	4.80 (4.49, 5.11)	6.44 (6.09, 6.80)	6.92 (6.49, 7.38)	9.29 (8.79, 9.82)

Table 4. Summary of Cannabis-Related Encounters in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022, by Legality, Status, Year, and Age Group - Sensitivity Analysis

	Number of Patients	Number of Index Dates	Number of Eligible Members ¹	Total Eligible Member-Years ¹	Number of Patients per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Members (95% Confidence Interval) ¹	Number of Patients per 10,000 Eligible Member-Years (95% Confidence Interval) ¹	Number of Episodes per 10,000 Eligible Member-Years (95% Confidence Interval) ¹
26-44 years	845	1,069	4,599,225	3,180,400.5	1.84 (1.71, 1.96)	2.32 (2.18, 2.46)	2.66 (2.48, 2.84)	3.36 (3.17, 3.57)
45-64 years	673	816	4,375,525	3,445,099.9	1.54 (1.42, 1.65)	1.86 (1.74, 1.99)	1.95 (1.81, 2.11)	2.37 (2.21, 2.54)
<i>Unknown, 2022</i>								
18-25 years	*****	*****	*****	*****	0.52 (0.27, 0.78)	0.75 (0.45, 1.06)	0.80 (0.49, 1.31)	1.15 (0.77, 1.74)
26-44 years	*****	*****	*****	*****	0.10 (0.02, 0.19)	0.12 (0.03, 0.21)	0.14 (0.06, 0.30)	0.16 (0.08, 0.33)
45-64 years	*****	*****	*****	*****	0.04 (-0.02, 0.11)	0.04 (-0.02, 0.11)	0.06 (0.01, 0.22)	0.06 (0.01, 0.22)
<i>Uncertain, 2022</i>								
18-25 years	380	514	701,640	375,179.9	5.42 (4.87, 5.96)	7.33 (6.69, 7.96)	10.13 (9.16, 11.20)	13.70 (12.57, 14.94)
26-44 years	405	490	1,909,245	1,031,205.9	2.12 (1.91, 2.33)	2.57 (2.34, 2.79)	3.93 (3.56, 4.33)	4.75 (4.35, 5.19)
45-64 years	135	160	914,999	515,847.3	1.48 (1.23, 1.72)	1.75 (1.48, 2.02)	2.62 (2.21, 3.10)	3.10 (2.66, 3.62)

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

*****Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

Table 5. Summary of Episode-Level¹ Cohort Attrition in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022

	Any Care Setting		Emergency Department Care Setting		Inpatient Care Setting		Outpatient Care Setting		Institutional Care Setting	
	Any Cannabis-Related Disorder or Cannabis Poisoning		Any Cannabis-Related Disorder or Cannabis Poisoning		Any Cannabis-Related Disorder or Cannabis Poisoning		Any Cannabis-Related Disorder or Cannabis Poisoning		Any Cannabis-Related Disorder or Cannabis Poisoning	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
Members Meeting Enrollment and Demographic Requirements										
Enrolled at any point during the query period	165,539,645	N/A	165,539,645	N/A	165,539,645	N/A	165,539,645	N/A	165,539,645	N/A
Had required coverage type (medical and/or drug coverage)	152,733,887	12,805,758	152,733,887	12,805,758	152,733,887	12,805,758	152,733,887	12,805,758	152,733,887	12,805,758
Enrolled during specified age range	115,289,939	37,443,948	115,289,939	37,443,948	115,289,939	37,443,948	115,289,939	37,443,948	115,289,939	37,443,948
Had requestable medical charts	115,289,939	0	115,289,939	0	115,289,939	0	115,289,939	0	115,289,939	0
Met demographic requirements (sex, race, and Hispanic origin)	115,187,493	102,446	115,187,493	102,446	115,187,493	102,446	115,187,493	102,446	115,187,493	102,446
Members with a Valid Index Event										
Had any cohort-defining claim during the query period	1,305,577	113,881,916	350,937	114,836,556	303,987	114,883,506	937,587	114,249,906	80,116	115,107,377
Cohort Episodes with a Valid Index Date										
Total number of claims with cohort-identifying codes during the query period	7,514,257	N/A	501,970	N/A	407,580	N/A	6,656,335	N/A	116,728	N/A
Claim recorded during specified age range	6,638,382	875,875	453,013	48,957	362,310	45,270	5,872,646	783,689	103,952	12,776

Table 5. Summary of Episode-Level¹ Cohort Attrition in the Sentinel Distributed Database (SDD) from January 1, 2017 to December 31, 2022

	Any Care Setting		Emergency Department Care Setting		Inpatient Care Setting		Outpatient Care Setting		Institutional Care Setting	
	Any Cannabis-Related Disorder or Cannabis Poisoning		Any Cannabis-Related Disorder or Cannabis Poisoning		Any Cannabis-Related Disorder or Cannabis Poisoning		Any Cannabis-Related Disorder or Cannabis Poisoning		Any Cannabis-Related Disorder or Cannabis Poisoning	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
Episode defining index claim recorded during the query period	6,638,382	0	453,013	0	362,310	0	5,872,646	0	103,952	0
Cohort Episodes with Required Pre-Index History										
Had sufficient pre-index continuous enrollment	5,601,233	1,037,149	359,986	93,027	296,821	65,489	4,986,157	886,489	83,062	20,890
Met inclusion and exclusion criteria	5,601,233	0	359,986	0	296,821	0	4,986,157	0	83,062	0
Had sufficient post-index continuous enrollment	5,601,233	0	359,986	0	296,821	0	4,986,157	0	83,062	0
Final Cohort										
Number of members	963,345	N/A	254,366	N/A	221,550	N/A	697,271	N/A	56,777	N/A
Number of episodes	5,601,233	N/A	359,986	N/A	296,821	N/A	4,986,157	N/A	83,062	N/A

¹Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

N/A: Not Applicable

Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date

Masked DP ID	DP Start Date	DP End Date ¹
DP01	01/01/2008	12/31/2022
DP02	01/01/2006	12/31/2022
DP03	01/01/2008	12/31/2022
DP04	01/01/2007	12/31/2022

¹End Date represents the earliest of: (1) query end date, or (2) last day of the most recent month for which all of a Data Partner's data tables (enrollment, dispensing, etc.) have at least 80% of the record count relative to the prior month.

Appendix B. Legality Status, by State and Year

State	2017	2018	2019	2020	2021	2022
Alabama	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Alaska	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical
Arizona	Medical	Medical	Medical	Medical	Adult and Medical	Adult and Medical
Arkansas	Illegal	Illegal	Illegal	Medical	Medical	Medical
California	Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical
Colorado	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical
Connecticut	Medical	Medical	Medical	Medical	Medical	Medical
Delaware	Medical	Medical	Medical	Medical	Medical	Medical
District of Columbia	Medical	Medical	Medical	Medical	Medical	Medical
Florida	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Georgia	Illegal	Medical	Medical	Medical	Medical	Medical
Hawaii	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Idaho	Medical	Medical	Medical	Adult and Medical	Adult and Medical	Adult and Medical
Illinois	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Indiana	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Iowa	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Kansas	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Kentucky	Illegal	Illegal	Illegal	Medical	Medical	Medical
Louisiana	Medical	Medical	Medical	Medical	Adult and Medical	Adult and Medical
Maine	Illegal	Medical	Medical	Medical	Medical	Medical
Maryland	Medical	Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical
Massachusetts	Medical	Medical	Medical	Adult and Medical	Adult and Medical	Adult and Medical
Michigan	Medical	Medical	Medical	Medical	Medical	Medical
Minnesota	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Mississippi	Illegal	Illegal	Illegal	Illegal	Medical	Medical
Missouri	Illegal	Illegal	Medical	Medical	Medical	Adult and Medical
Montana	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Nebraska	Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical
Nevada	Medical	Medical	Medical	Medical	Medical	Medical
New Hampshire	Medical	Medical	Medical	Medical	Medical	Medical
New Jersey	Medical	Medical	Medical	Medical	Medical	Medical
New Mexico	Medical	Medical	Medical	Medical	Medical	Medical
New York	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
North Carolina	Illegal	Illegal	Illegal	Medical	Medical	Medical
North Dakota	Illegal	Illegal	Medical	Medical	Medical	Medical

Appendix B. Legality Status, by State and Year

State	2017	2018	2019	2020	2021	2022
Ohio	Illegal	Illegal	Medical	Medical	Medical	Medical
Oklahoma	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical
Oregon	Illegal	Illegal	Medical	Medical	Medical	Medical
Pennsylvania	Medical	Medical	Medical	Medical	Medical	Medical
Rhode Island	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
South Carolina	Illegal	Illegal	Illegal	Illegal	Illegal	Medical
South Dakota	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Tennessee	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Texas	Illegal	Illegal	Illegal	Illegal	Medical	Medical
Utah	Medical	Medical	Medical	Medical	Medical	Medical
Vermont	Illegal	Illegal	Illegal	Illegal	Medical	Medical
Virginia	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical	Adult and Medical
Washington	Illegal	Illegal	Illegal	Illegal	Illegal	Medical
West Virginia	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Wisconsin	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
Wyoming	Illegal	Illegal	Illegal	Illegal	Illegal	Illegal
American Samoa	Medical	Medical	Medical	Medical	Medical	Medical
Guam	Medical	Medical	Medical	Medical	Medical	Medical
Northern Marianas	Illegal	Illegal	Illegal	Illegal	Illegal	Adult and Medical
Puerto Rico	Medical	Medical	Medical	Medical	Medical	Medical
U.S. Virgin Islands	Illegal	Illegal	Illegal	Illegal	Illegal	Medical
Invalid	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Missing	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

*Cannabis legal status was determined based on the latest cannabis law enacted (i.e., the law is agreed upon and made official) as of the first day of each calendar year and categorized as Adult and Medical Use (legalized use of cannabis for medical purposes and for recreational use), Medical Use (legalized use of cannabis for medical purposes), Illegal (no public cannabis access), and Unknown.

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Events in this Request

Code	Description	Code Category	Code Type
Cannabis Related Disorders			
F12	Cannabis related disorders	Diagnosis	ICD-10-CM
F12.1	Cannabis abuse	Diagnosis	ICD-10-CM
F12.10	Cannabis abuse, uncomplicated	Diagnosis	ICD-10-CM
F12.11	Cannabis abuse, in remission	Diagnosis	ICD-10-CM
F12.12	Cannabis abuse with intoxication	Diagnosis	ICD-10-CM
F12.120	Cannabis abuse with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F12.121	Cannabis abuse with intoxication delirium	Diagnosis	ICD-10-CM
F12.122	Cannabis abuse with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F12.129	Cannabis abuse with intoxication, unspecified	Diagnosis	ICD-10-CM
F12.13	Cannabis abuse with withdrawal	Diagnosis	ICD-10-CM
F12.15	Cannabis abuse with psychotic disorder	Diagnosis	ICD-10-CM
F12.150	Cannabis abuse with psychotic disorder with delusions	Diagnosis	ICD-10-CM
F12.151	Cannabis abuse with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12.159	Cannabis abuse with psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F12.18	Cannabis abuse with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.180	Cannabis abuse with cannabis-induced anxiety disorder	Diagnosis	ICD-10-CM
F12.188	Cannabis abuse with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.19	Cannabis abuse with unspecified cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.2	Cannabis dependence	Diagnosis	ICD-10-CM
F12.20	Cannabis dependence, uncomplicated	Diagnosis	ICD-10-CM
F12.21	Cannabis dependence, in remission	Diagnosis	ICD-10-CM
F12.22	Cannabis dependence with intoxication	Diagnosis	ICD-10-CM
F12.220	Cannabis dependence with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F12.221	Cannabis dependence with intoxication delirium	Diagnosis	ICD-10-CM
F12.222	Cannabis dependence with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F12.229	Cannabis dependence with intoxication, unspecified	Diagnosis	ICD-10-CM
F12.23	Cannabis dependence with withdrawal	Diagnosis	ICD-10-CM
F12.25	Cannabis dependence with psychotic disorder	Diagnosis	ICD-10-CM
F12.250	Cannabis dependence with psychotic disorder with delusions	Diagnosis	ICD-10-CM
F12.251	Cannabis dependence with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12.259	Cannabis dependence with psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F12.28	Cannabis dependence with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.280	Cannabis dependence with cannabis-induced anxiety disorder	Diagnosis	ICD-10-CM
F12.288	Cannabis dependence with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.29	Cannabis dependence with unspecified cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.9	Cannabis use, unspecified	Diagnosis	ICD-10-CM
F12.90	Cannabis use, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F12.91	Cannabis use, unspecified, in remission	Diagnosis	ICD-10-CM
F12.92	Cannabis use, unspecified with intoxication	Diagnosis	ICD-10-CM
F12.920	Cannabis use, unspecified with intoxication, uncomplicated	Diagnosis	ICD-10-CM
F12.921	Cannabis use, unspecified with intoxication delirium	Diagnosis	ICD-10-CM
F12.922	Cannabis use, unspecified with intoxication with perceptual disturbance	Diagnosis	ICD-10-CM
F12.929	Cannabis use, unspecified with intoxication, unspecified	Diagnosis	ICD-10-CM
F12.93	Cannabis use, unspecified with withdrawal	Diagnosis	ICD-10-CM
F12.95	Cannabis use, unspecified with psychotic disorder	Diagnosis	ICD-10-CM
F12.950	Cannabis use, unspecified with psychotic disorder with delusions	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Events in this Request

Code	Description	Code Category	Code Type
F12.951	Cannabis use, unspecified with psychotic disorder with hallucinations	Diagnosis	ICD-10-CM
F12.959	Cannabis use, unspecified with psychotic disorder, unspecified	Diagnosis	ICD-10-CM
F12.98	Cannabis use, unspecified with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.980	Cannabis use, unspecified with anxiety disorder	Diagnosis	ICD-10-CM
F12.988	Cannabis use, unspecified with other cannabis-induced disorder	Diagnosis	ICD-10-CM
F12.99	Cannabis use, unspecified with unspecified cannabis-induced disorder	Diagnosis	ICD-10-CM
Cannabis Poisoning			
T40.7	Poisoning by, adverse effect of and underdosing of cannabis (derivatives)	Diagnosis	ICD-10-CM
T40.71	Poisoning by, adverse effect of and underdosing of cannabis (derivatives)	Diagnosis	ICD-10-CM
T40.711	Poisoning by cannabis, accidental (unintentional)	Diagnosis	ICD-10-CM
T40.711A	Poisoning by cannabis, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T40.711D	Poisoning by cannabis, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T40.711S	Poisoning by cannabis, accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T40.712	Poisoning by cannabis, intentional self-harm	Diagnosis	ICD-10-CM
T40.712A	Poisoning by cannabis, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T40.712D	Poisoning by cannabis, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T40.712S	Poisoning by cannabis, intentional self-harm, sequela	Diagnosis	ICD-10-CM
T40.713	Poisoning by cannabis, assault	Diagnosis	ICD-10-CM
T40.713A	Poisoning by cannabis, assault, initial encounter	Diagnosis	ICD-10-CM
T40.713D	Poisoning by cannabis, assault, subsequent encounter	Diagnosis	ICD-10-CM
T40.713S	Poisoning by cannabis, assault, sequela	Diagnosis	ICD-10-CM
T40.714	Poisoning by cannabis, undetermined	Diagnosis	ICD-10-CM
T40.714A	Poisoning by cannabis, undetermined, initial encounter	Diagnosis	ICD-10-CM
T40.714D	Poisoning by cannabis, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T40.714S	Poisoning by cannabis, undetermined, sequela	Diagnosis	ICD-10-CM
T40.715	Adverse effect of cannabis	Diagnosis	ICD-10-CM
T40.715A	Adverse effect of cannabis, initial encounter	Diagnosis	ICD-10-CM
T40.715D	Adverse effect of cannabis, subsequent encounter	Diagnosis	ICD-10-CM
T40.715S	Adverse effect of cannabis, sequela	Diagnosis	ICD-10-CM
T40.716	Underdosing of cannabis	Diagnosis	ICD-10-CM
T40.716A	Underdosing of cannabis, initial encounter	Diagnosis	ICD-10-CM
T40.716D	Underdosing of cannabis, subsequent encounter	Diagnosis	ICD-10-CM
T40.716S	Underdosing of cannabis, sequela	Diagnosis	ICD-10-CM
T40.72	Poisoning by, adverse effect of and underdosing of synthetic cannabinoids	Diagnosis	ICD-10-CM
T40.721	Poisoning by synthetic cannabinoids, accidental (unintentional)	Diagnosis	ICD-10-CM
T40.721A	Poisoning by synthetic cannabinoids, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T40.721D	Poisoning by synthetic cannabinoids, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T40.721S	Poisoning by synthetic cannabinoids, accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T40.722	Poisoning by synthetic cannabinoids, intentional self-harm	Diagnosis	ICD-10-CM
T40.722A	Poisoning by synthetic cannabinoids, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T40.722D	Poisoning by synthetic cannabinoids, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T40.722S	Poisoning by synthetic cannabinoids, intentional self-harm, sequela	Diagnosis	ICD-10-CM
T40.723	Poisoning by synthetic cannabinoids, assault	Diagnosis	ICD-10-CM
T40.723A	Poisoning by synthetic cannabinoids, assault, initial encounter	Diagnosis	ICD-10-CM
T40.723D	Poisoning by synthetic cannabinoids, assault, subsequent encounter	Diagnosis	ICD-10-CM
T40.723S	Poisoning by synthetic cannabinoids, assault, sequela	Diagnosis	ICD-10-CM

Appendix C. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Events in this Request

Code	Description	Code Category	Code Type
T40.724	Poisoning by synthetic cannabinoids, undetermined	Diagnosis	ICD-10-CM
T40.724A	Poisoning by synthetic cannabinoids, undetermined, initial encounter	Diagnosis	ICD-10-CM
T40.724D	Poisoning by synthetic cannabinoids, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T40.724S	Poisoning by synthetic cannabinoids, undetermined, sequela	Diagnosis	ICD-10-CM
T40.725	Adverse effect of synthetic cannabinoids	Diagnosis	ICD-10-CM
T40.725A	Adverse effect of synthetic cannabinoids, initial encounter	Diagnosis	ICD-10-CM
T40.725D	Adverse effect of synthetic cannabinoids, subsequent encounter	Diagnosis	ICD-10-CM
T40.725S	Adverse effect of synthetic cannabinoids, sequela	Diagnosis	ICD-10-CM
T40.726	Underdosing of synthetic cannabinoids	Diagnosis	ICD-10-CM
T40.726A	Underdosing of synthetic cannabinoids, initial encounter	Diagnosis	ICD-10-CM
T40.726D	Underdosing of synthetic cannabinoids, subsequent encounter	Diagnosis	ICD-10-CM
T40.726S	Underdosing of synthetic cannabinoids, sequela	Diagnosis	ICD-10-CM
T40.7X	Poisoning by, adverse effect of and underdosing of cannabis (derivatives)	Diagnosis	ICD-10-CM
T40.7X1	Poisoning by cannabis (derivatives), accidental (unintentional)	Diagnosis	ICD-10-CM
T40.7X1A	Poisoning by cannabis (derivatives), accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T40.7X1D	Poisoning by cannabis (derivatives), accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T40.7X1S	Poisoning by cannabis (derivatives), accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T40.7X2	Poisoning by cannabis (derivatives), intentional self-harm	Diagnosis	ICD-10-CM
T40.7X2A	Poisoning by cannabis (derivatives), intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T40.7X2D	Poisoning by cannabis (derivatives), intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T40.7X2S	Poisoning by cannabis (derivatives), intentional self-harm, sequela	Diagnosis	ICD-10-CM
T40.7X3	Poisoning by cannabis (derivatives), assault	Diagnosis	ICD-10-CM
T40.7X3A	Poisoning by cannabis (derivatives), assault, initial encounter	Diagnosis	ICD-10-CM
T40.7X3D	Poisoning by cannabis (derivatives), assault, subsequent encounter	Diagnosis	ICD-10-CM
T40.7X3S	Poisoning by cannabis (derivatives), assault, sequela	Diagnosis	ICD-10-CM
T40.7X4	Poisoning by cannabis (derivatives), undetermined	Diagnosis	ICD-10-CM
T40.7X4A	Poisoning by cannabis (derivatives), undetermined, initial encounter	Diagnosis	ICD-10-CM
T40.7X4D	Poisoning by cannabis (derivatives), undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T40.7X4S	Poisoning by cannabis (derivatives), undetermined, sequela	Diagnosis	ICD-10-CM
T40.7X5	Adverse effect of cannabis (derivatives)	Diagnosis	ICD-10-CM
T40.7X5A	Adverse effect of cannabis (derivatives), initial encounter	Diagnosis	ICD-10-CM
T40.7X5D	Adverse effect of cannabis (derivatives), subsequent encounter	Diagnosis	ICD-10-CM
T40.7X5S	Adverse effect of cannabis (derivatives), sequela	Diagnosis	ICD-10-CM
T40.7X6	Underdosing of cannabis (derivatives)	Diagnosis	ICD-10-CM
T40.7X6A	Underdosing of cannabis (derivatives), initial encounter	Diagnosis	ICD-10-CM
T40.7X6D	Underdosing of cannabis (derivatives), subsequent encounter	Diagnosis	ICD-10-CM
T40.7X6S	Underdosing of cannabis (derivatives), sequela	Diagnosis	ICD-10-CM

Appendix D. Specifications Defining Parameters Used in this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 13.0.1 to estimate prevalence rates and proportions of individuals with encounters for cannabis-related disorders or poisoning in the Sentinel Distributed Database (SDD), stratified by legality.

Query Period: January 1, 2017 - December 31, 2022
Coverage Requirement: Medical Coverage Only
Pre-Index Enrollment Requirement: 183
Post-Index Requirement: 0
Enrollment Gap: 45
Age Groups: 18-25, 26-44, 45-64 years
Stratifications: legality_prim*year (PLUS), legality_prim*year*age (PLUS), legality_sens*year (PLUS), legality_sens*year*age (PLUS)
Censor Output Categorization: N/A
Restrictions: Male and female sex only
Envelope Macro: Reclassify encounters during inpatient stay as inpatient
Freeze Data: Yes

Exposure/Event

Scenario	Group	Index Exposure/ Event	Cohort Definition	Washout Period	Care Setting	Principal Diagnosis Position	Create Baseline Table?	Censor Enrollment at Evidence of
1	cannabis_poison	Any cannabis-related disorder or poisoning, in inpatient, ED (with subsequent IP exclusion combo), institutional or outpatient care setting	02	0	*Inpatient hospital stay; *Emergency department encounter; *Ambulatory visit; *Other ambulatory visit *Non-acute institutional stays	Any	No	*Death; *Data Partner End Date; *Query End Date

Appendix D. Specifications Defining Parameters Used in this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 13.0.1 to estimate prevalence rates and proportions of individuals with encounters for cannabis-related disorders or poisoning in the Sentinel Distributed Database (SDD), stratified by legality.

Query Period: January 1, 2017 - December 31, 2022
Coverage Requirement: Medical Coverage Only
Pre-Index Enrollment Requirement: 183
Post-Index Requirement: 0
Enrollment Gap: 45
Age Groups: 18-25, 26-44, 45-64 years
Stratifications: legality_prim*year (PLUS), legality_prim*year*age (PLUS), legality_sens*year (PLUS), legality_sens*year*age (PLUS)
Censor Output Categorization: N/A
Restrictions: Male and female sex only
Envelope Macro: Reclassify encounters during inpatient stay as inpatient
Freeze Data: Yes

Exposure/Event

Scenario	Group	Index Exposure/ Event	Cohort Definition	Washout Period	Care Setting	Principal Diagnosis Position	Create Baseline Table?	Censor Enrollment at Evidence of
2	ED_cannabis_poison	Any cannabis-related disorder or poisoning, in ED (with subsequent IP exclusion combo) setting	02	0	See combo	Any	No	*Death; *Data Partner End Date; *Query End Date
3	IP_cannabis_poison	Any cannabis-related disorder or poisoning, in inpatient care setting	02	0	*Inpatient hospital stay	Any	No	*Death; *Data Partner End Date; *Query End Date

Appendix D. Specifications Defining Parameters Used in this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 13.0.1 to estimate prevalence rates and proportions of individuals with encounters for cannabis-related disorders or poisoning in the Sentinel Distributed Database (SDD), stratified by legality.

Query Period: January 1, 2017 - December 31, 2022
Coverage Requirement: Medical Coverage Only
Pre-Index Enrollment Requirement: 183
Post-Index Requirement: 0
Enrollment Gap: 45
Age Groups: 18-25, 26-44, 45-64 years
Stratifications: legality_prim*year (PLUS), legality_prim*year*age (PLUS), legality_sens*year (PLUS),
 legality_sens*year*age (PLUS)
Censor Output Categorization: N/A
Restrictions: Male and female sex only
Envelope Macro: Reclassify encounters during inpatient stay as inpatient
Freeze Data: Yes

Exposure/Event

Scenario	Group	Index Exposure/ Event	Cohort Definition	Washout Period	Care Setting	Principal Diagnosis Position	Create Baseline Table?	Censor Enrollment at Evidence of
4	AVOA_cannabis_poison	Any cannabis-related disorder or poisoning, in outpatient care setting	02	0	*Ambulatory visit; *Other ambulatory visit	Any	No	*Death; *Data Partner End Date; *Query End Date
5	IS_cannabis_poison	Any cannabis-related disorder or poisoning, in non-acute institutional care setting	02	0	*Non-acute institutional stays	Any	No	*Death; *Data Partner End Date; *Query End Date

ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360.

NDC codes are checked against First Data Bank's FDB MedKnowledge®.

Appendix D. Specifications Defining Parameters Used in this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 13.0.1 to estimate prevalence rates and proportions of individuals with encounters for cannabis-related disorders or poisoning in the Sentinel Distributed Database (SDD), stratified by legality.

Query Period: January 1, 2017 - December 31, 2022
Coverage Requirement: Medical Coverage Only
Pre-Index Enrollment Requirement: 183
Post-Index Requirement: 0
Enrollment Gap: 45
Age Groups: 18-25, 26-44, 45-64 years
Stratifications: legality_prim*year (PLUS), legality_prim*year*age (PLUS), legality_sens*year (PLUS), legality_sens*year*age (PLUS)
Censor Output Categorization: N/A
Restrictions: Male and female sex only
Envelope Macro: Reclassify encounters during inpatient stay as inpatient
Freeze Data: Yes

Inclusion/Exclusion Criteria

Scenario	Inclusion/ Exclusion	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period
1	Institutional stays prior to index	Exclusion	non-acute institutional stays	any	-183	0		1

Appendix D. Specifications Defining Parameters Used in this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 13.0.1 to estimate prevalence rates and proportions of individuals with encounters for cannabis-related disorders or poisoning in the Sentinel Distributed Database (SDD), stratified by legality.

Query Period: January 1, 2017 - December 31, 2022
Coverage Requirement: Medical Coverage Only
Pre-Index Enrollment Requirement: 183
Post-Index Requirement: 0
Enrollment Gap: 45
Age Groups: 18-25, 26-44, 45-64 years
Stratifications: legality_prim*year (PLUS), legality_prim*year*age (PLUS), legality_sens*year (PLUS), legality_sens*year*age (PLUS)
Censor Output Categorization: N/A
Restrictions: Male and female sex only
Envelope Macro: Reclassify encounters during inpatient stay as inpatient
Freeze Data: Yes

Inclusion/Exclusion Criteria

Scenario	Inclusion/ Exclusion	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period
2	Institutional stays prior to index	Exclusion	non-acute institutional stays	any	-183	0		1
3	Institutional stays prior to index	Exclusion	non-acute institutional stays	any	-183	0		1

Appendix D. Specifications Defining Parameters Used in this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 13.0.1 to estimate prevalence rates and proportions of individuals with encounters for cannabis-related disorders or poisoning in the Sentinel Distributed Database (SDD), stratified by legality.

Query Period: January 1, 2017 - December 31, 2022
Coverage Requirement: Medical Coverage Only
Pre-Index Enrollment Requirement: 183
Post-Index Requirement: 0
Enrollment Gap: 45
Age Groups: 18-25, 26-44, 45-64 years
Stratifications: legality_prim*year (PLUS), legality_prim*year*age (PLUS), legality_sens*year (PLUS), legality_sens*year*age (PLUS)
Censor Output Categorization: N/A
Restrictions: Male and female sex only
Envelope Macro: Reclassify encounters during inpatient stay as inpatient
Freeze Data: Yes

Inclusion/Exclusion Criteria

Scenario	Inclusion/ Exclusion	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period
4	Institutional stays prior to index	Exclusion	non-acute institutional stays	any	-183	0		1

ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360.
NDC codes are checked against First Data Bank's FDB MedKnowledge®.