



## Arthritis Talks

# Medical Cannabis: What's new and changing

Dr. Jason Busse  
McMaster University  
Hamilton, Ontario

November 9, 2022

# Presenters



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Arthritis Society  
*(Moderator)*



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Researcher  
Hamilton, Ontario

# Webinar tips

- ▼ Use the **Q&A** section to ask the presenters your questions. Some of the questions will be chosen for the live question period at the end of the webinar.
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Click here to access your audio settings

Click here to chat or to submit a question

# Overview

[1]

**New Evidence for Medical Cannabis and Chronic Pain**



[2]

**Health Canada Guidelines**



[3]

**Questions & Answers**



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# What's the latest information and research related to medical cannabis for people affected by arthritis?





## Background

- ▼ Cannabis has been legally available for select medical conditions in Canada since 2001.
- ▼ Licensed healthcare practitioners can provide authorization for patients to acquire medical cannabis.
- ▼ The number of Canadians authorized to use medical cannabis increased from **23,930** in June 2015 to **377,024** by September 2020.



## ORIGINAL RESEARCH

## Annals of Internal Medicine

### Risks and Benefits of Marijuana Use

#### A National Survey of U.S. Adults

Salomeh Keyhani, MD, MPH; Stacey Steigerwald, MSSA; Julie Ishida, MD, MAS; Marzieh Vafaiepour, MD, MPH; Deborah Hasin, PhD; Camille Dollinger, BS; Sodahm R. Yoo, BS; and Beth E. Cohen, MD, MSc

**Background:** Despite insufficient evidence regarding its risks and benefits, marijuana is increasingly available and is aggressively marketed to the public.

**Objective:** To understand the public's views on the risks and benefits of marijuana use.

**Design:** Probability-based online survey.

**Setting:** United States, 2017.

**Participants:** 16 280 U.S. adults.

**Measurements:** Proportion of U.S. adults who agreed with a statement.

**Results:** The response rate was 55.3% ( $n = 9003$ ). Approximately 14.6% of U.S. adults reported using marijuana in the past year. About 81% of U.S. adults believe marijuana has at least 1 benefit, whereas 17% believe it has no benefit. The most common benefit cited was pain management (66%), followed by treatment of diseases, such as epilepsy and multiple sclerosis (48%), and relief from anxiety, stress, and depression (47%). About 91% of U.S. adults believe marijuana has at least 1 risk,

whereas 9% believe it has no risks. About 29.2% agree that smoking marijuana is somewhat or completely safe during pregnancy. About 18% believe it is somewhat or completely safe for children. Of the respondents, 7.3% agree that marijuana use is somewhat or completely safe during pregnancy. About 22.4% of U.S. adults believe that marijuana is not at all addictive.

**Limitation:** Wording of the questions may have affected interpretation.

**Conclusion:** Americans' view of marijuana use is more favorable than existing evidence supports.

**Primary Funding Source:** National Heart, Lung, and Blood Institute.

*Ann Intern Med.* 2018;169:282-290. doi:10.7326/M18-0810

For author affiliations, see end of text.

This article was published at [Annals.org](https://www.annals.org) on 24 July 2018.

[Annals.org](https://www.annals.org)

- ▼ 81% believe cannabis has health benefits
- ▼ 9% believe it has no risks
- ▼ 22% believe it is not addictive



Genital Herpes 054.1  
 Herpetic infection of  
 AIDS Related Illness  
 Post W.E. Encephalitis  
 Chemotherapy Conv  
 Shingles (Herpes Zo  
 Radiation Therapy E  
 Viral B Hepatitis, ch  
 Viral C Hepatitis, ch  
 Other arthropod bo  
 Lyme Disease 088.8  
 Reiters Syndrome 09  
 Post Polio Syndrome  
 Malignant Melanom  
 Other Skin Cancer 1  
 Prostate Cancer 186  
 Testicular Cancer 18  
 Adrenal Cortical Ca  
 Brain malignant tun  
 Glioblastoma Multif  
 Cancer, site unspeci  
 Lympho & reticular  
 Myeloid leukemia 20  
 Uterine cancer 236.0  
 Lymphoma 238.7  
 Graves Disease\*\* 24  
 Acquired hypothyroi  
 Thyroiditis 245  
 Diabetes Adult Onse  
 Diabetes Insulin Dep  
 Diabetes Adult Onse  
 Diabetic Renal Dise  
 Diabetic Ophthalmi  
 Diabetic Neuropathy  
 Diabetic Peripheral  
 Hypoglycemia(s) 25  
 Lipomatosis 272.8  
 Arthropathy, gout 2  
 Mucopolysaccharoid  
 Porphyria 277.1  
 Amyloidosis 277.3  
 Obesity, exogenous  
 Obesity, morbid 278  
 Autoimmune disease  
 Hemophilia A 286.0  
 Henoch-Schoelein Pe  
 Senile Dementia+ 29  
 Delerium Tremens+  
 Schizophrenia(+)

Spinal Stenosis 724.02  
 Lower Back Pain 724.5  
 Peripheral enthesopathies 726  
 Tenosynovitis 727.x  
 Dupuytens Contracture 728.6  
 Muscle Spasm 728.85  
 Fibromyalgia/Fibrositis 729.1  
 Osgood-Schlatter 732.4  
 Tietze's Syndrome 733.6  
 Melorheostosis 733.99  
 Spondylolisthesis\*\* 738.4  
 Cerebral Aneurism 747.81  
 Scoliosis 754.2  
 Spina Bifida Occulta 756.17  
 Osteogenesis imperfecta 756.51  
 Ehlers Danlos Syndrom 756.83  
 Nail patella syndrome 756.89  
 Peutz-Jehgers Syndrome\*\* 756.9  
 Mastocytosis 757.33  
 Darier's Disease 757.39  
 Marfan syndrome 759.82  
 Sturge-Weber Eye Syndrome\*\* 759.6  
 Insomnia+ 780.52  
 Sleep Apnea 780.57  
 Chronic Fatigue Syndrome 780.7  
 Tremor/Invol Movements 781.0  
 Myofacial Pain Syndrome\*\*782.0  
 Anorexia+ 783.0  
 Hyperventilation 786.01  
 Cough+ 786.2  
 Hiccough+ 786.8  
 Vomiting 787.01  
 Nausea+ 787.02  
 Diarrhea 787.91  
 Pain, Ureter 788.0  
 Cachexia 799.4  
 Vertebral dislocation unspecified 839.4  
 Whiplash 847.0  
 Back Sprain 847.9  
 Shoulder Injury Unspec 959.2  
 Fore Arm/Wrist/Hand 959.3  
 Hip 959.6

der 295.7  
 Single Episode 296.2  
 Recurring 296.3  
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ADD with hyperactivity 314.01  
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Dyslexic Amblyopia\*\* 368.0  
 Color Blindness\* 368.55  
 Conjunctivitis 372.9  
 e 377.21  
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Hepatitis-non-viral 571.4  
 Pancreatitis 577.1  
 Nephritis/nephropathy 583.81  
 Ureter spasm calculus 592  
 Urethritis/Cystitis 595.3  
 Prostatitis 600.0  
 Epididymitis\*\* 604.xx  
 Testicular torsion 608.2  
 Pelvic Inflammatory Dis 614  
 Endometriosis\*\* 617.9  
 Premenstrual Syndrome+ 625.3  
 Pain, Vaginal 625.9  
 Menopausal syndrome 627.2  
 Sturge-Weber Disease 759.6  
 Eczema 692.9  
 Pemphigus 694.4

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 718.5  
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 L-S disk disorder sciatic nerve irritation  
 722.71  
 722.91  
 723.3  
 724.x

Dr. Tod Mikuriya was a psychiatrist who was one of the first physicians to recognize the incredible potential healing power of medical cannabis.

Dr. Mikuriya developed a list of chronic conditions for which cannabis was shown to be helpful. This list is included below.

- Migraine, Classical+ 346.0
- Cluster Headaches 346.2
- Compression of Brain 348.4
- Tic Doloroux+ 350.1
- Bell's palsy 351.0
- Thoracic Outlet Syndrome 353.0
- Carpal Tunnel Syndrome 354.0
- Mononeuritis lower limb 355
- Charcot-Marie-Tooth 356.1
- Neuropathy+ 357
- Muscular dystrophies 359
- Macular Degeneration\*\* 362.5
- Glaucoma 365.23
- T.M.J Syndrome 524.60
- GastroEsophgeal Reflux Dis 530
- Acute Gastritis 535.0
- Gastritis+ 535.5
- Peptic Ulcer/Dyspepsia 536.8
- Colitis, Ulcerative 536.9
- Pylorospasm Reflux 537.81
- Regional Enteri & Crohns 555.9
- Colitis+ 558.9
- Colon diverticulitis 562.1
- Constipation 564.0
- Irritable Bowel Synd. 564.1
- Arthritis, Rheumatoid+ 714.0
- Felty's Syndrome 714.1
- Arthritis, Degenerative 715.0
- Arthritis, post traumatic+ 716.1
- Arthropathy, Degenerative+ 716.9
- Patellar chondromalacia 717.7
- Ankylosis 718.5
- Multiple joints pain 719.49
- Intervertebral Disk Disease 722.x
- L-S disk disorder sciatic nerve irritation
- IVDD Cerv w Myelopathy 722.71
- Cervical Disk Disease 722.91
- Al Syndrome 723.3
- Back Diseas 724.x

- Knee, ankle & foot injury 959.7
- Motion Sickness 994.6
- Anaphylactic or Reaction 995.0
- Trachoria Growths\*\*\*1



OPINION | COMMENTARY

# *If Weed Is Medicine, So Is Budweiser*

Legalize marijuana, but don't pretend it's therapeutic.

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By Peter B. Bach

Jan. 17, 2019 7:23 p.m. ET

Actual medicines have research behind them, enumerating their benefits, characterizing their harms, and ensuring the former supersedes the latter. Marijuana doesn't. It's a toxin, not a medicine. It impairs judgment and driving ability. It increases the risk of psychosis and schizophrenia. Smoking it damages the respiratory tract. A 2017

# Cannabis legalization may be associated with reduced prescription drug use

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**Where medicinal cannabis is legal, U.S. states saw a significant reduction in the use of prescription drugs.**

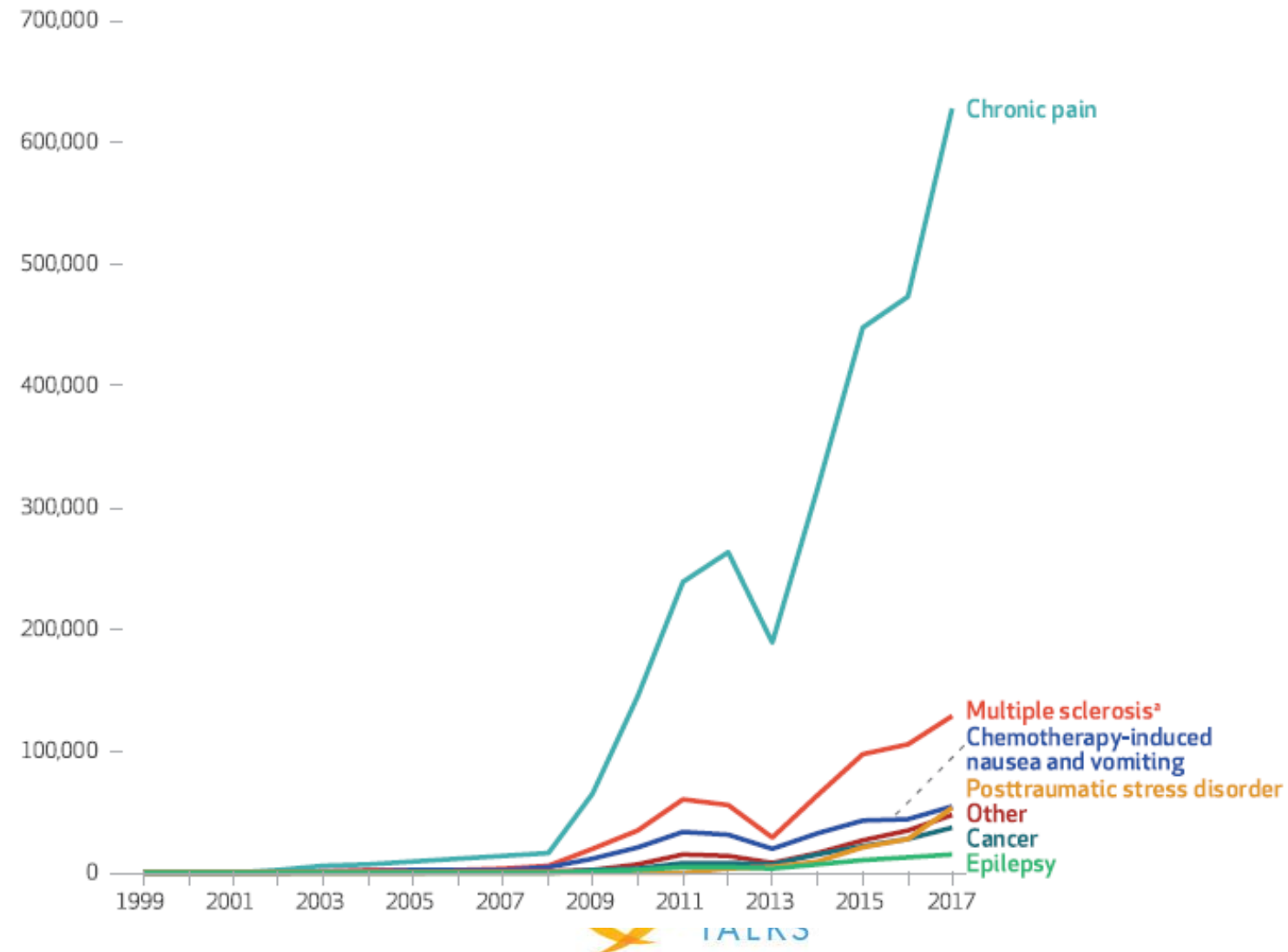
- ▼ E.g. anxiety, depression, nausea, pain, sleep disorders and spasticity
- ▼ Users may substitute cannabis for prescription medication, suggesting the possibility of therapeutic benefits



# Qualifying Conditions Of Medical Cannabis License Holders In The United States

HEALTH AFFAIRS 38,  
NO. 2 (2019): 295-302  
©2019 Project HOPE—  
The People-to-People Health  
Foundation, Inc.

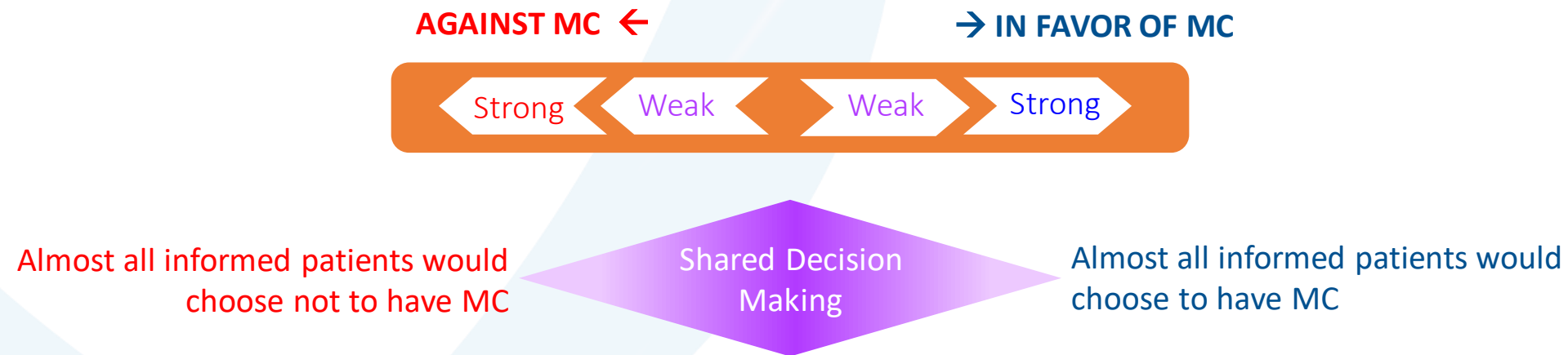
Numbers of patient-reported qualifying conditions for medical cannabis licenses, 1999-2017



- ▼ 2017: **813,917** medical cannabis licence holders in the U.S.
- ▼ Chronic pain was the qualifying condition reported by **62%** of patients

# Our clinical question

- ▼ In adult and adolescent patients living with cancer or non-cancer chronic pain, should we recommend/suggest a **trial of medical cannabis (MC) or cannabinoids** vs. **continued care without medical cannabis or cannabinoids**?



Strong recommendations can be quality of care standards.



## Strong recommendations

### 1. Clear imbalance



- ▼ benefits clearly outweigh risks/hassle/cost
- ▼ risk/hassle/cost clearly outweighs benefits

### 2. Sufficient certainty in estimates

### 3. Patients' values & preferences:

- ▼ almost all same choice



## Weak recommendations

### 1. Close balance



- ▼ Close call between benefits and risks/hassle/cost
- ▼ Therefore, more preference-sensitive

### 2. Lower certainty in estimates

### 3. Patients' values & preferences:

- ▼ choice varies appreciably (or is very uncertain)





# Guideline perspective

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## **Patient-centered perspective**

Not: funder-centred or societal-perspective

## **Guideline Panel**

- ▼ 21 members
- ▼ Clinical experts
- ▼ Methodologists
- ▼ 3 patient partners living with chronic pain, including 1 veteran
- ▼ No financial or important intellectual conflicts of interest

# Values and preferences

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We conducted a systematic review for studies that reported the values and preferences of patients with chronic pain, who used medical cannabis (MC), as well as the values and preferences of their carers.

## 15 studies were eligible for review:

- 1) The relative values and preferences of patients and carers
  - All reported adult patient values and preferences (no carers, children or adolescents)
  - 9 enrolled U.S. patients (2 UK, 2 Israel, 1 Canada, 1 Australia)
  - All conducted from 2000 onwards
  - Both cancer and non-cancer patients were represented
- 2) The attitudes and beliefs about MC, routes, ingestion methods, and the role of carers
- 3) Factors that influence the values and preferences of patients and carers

# Values and preferences: Results

## Moderate- to High-Certainty Evidence

- Many valued the effectiveness of medical cannabis for symptom management even when experiencing adverse events related to concentration, memory or fatigue.
- Greater preference for high CBD (cannabidiol) or balanced ratios of THC and CBD of medicinal cannabis
- Cannabis use was influenced by both positive social consequences (e.g. support from family) and negative social consequences (e.g. stigma surrounding cannabis use)
- Concerns about medical cannabis included side effects, addiction, tolerance, and feeling strangely, and were related to unwillingness to use cannabis

Neither NICE nor the IASP systematically explored patients' values & preferences

## Low-Certainty Evidence

- Highly variable values towards medical cannabis among people living with chronic pain
- Patients were motivated to use medical cannabis to reduce use of prescription medication, and felt it was 'safer' than opioids

# Systematic review of randomized clinical trials (RCTs) of cannabis for chronic pain

- ▼ 32 eligible trials: 28 non-cancer and 4 cancer chronic pain
- ▼ Adult populations, median age among trials: 54
- ▼ Length of follow-up ranged from 28 to 140 days
- ▼ Placebo was the most common control
- ▼ **Types of cannabis:**
  - Endocannabinoids (PEA) – 5
  - Phytocannabinoids – 20
  - Synthetics – 12
- ▼ Mode of administration: oral (16), spray (13), sublingual (1), transdermal (2)

No eligible trials explored inhaled cannabis

## Review of RCTs: Cannabis vs. placebo (benefits)

Event (#RCTs, #pts)	Follow-up (months)	Treatment Effects		Certainty (GRADE)	Lay Summary
		placebo	cannabis		
Pain, 10cm VAS (27 RCTs, 3,939 pts) MID: 1cm	1 - 4	952 (52%)	1,309 (62%)	Moderate Due to inconsistency (I <sup>2</sup> = 75%)	Cannabis probably results in a small increase in the proportion of patients experiencing an important reduction in pain
		<b>Risk difference +10% (5% to 15%)</b>			
		WMD -0.50cm (-0.75 to -0.25)			
SF-36 Physical functioning subscale, 0-100 (16 RCTs, 2,473 pts) MID: 10-points	1 - 4	294 (28%)	447 (32%)	High	Cannabis results in a very small increase in the proportion of patients experiencing improvement in physical functioning
		<b>RD +4% (0% to 7%)</b>			
		WMD 1.57 (0.001 to 3.14)			
SF-36 Emotional functioning subscale, 0-100 (10 RCTs, 2,115 pts) MID: 10-points	1 - 4	276 (31%)	403 (33%)	High	Cannabis does not improve emotional functioning
		<b>RD +2% (-2% to 4%)</b>			
		WMD 0.53 (-0.67 to 1.73)			

# Review of RCTs: Cannabis vs. placebo (penefits)

Event (#RCTs, #pts)	Follow-up (months)	Treatment Effects		Certainty (GRADE)	Lay Summary
		placebo	cannabis		
<b>Role physical, 0-100 SF-36 subscale</b> (7 RCTs, 1128 pts) MID: 10 points	1 – 3.5	195 / 1128			Cannabis does not improve role functioning
<b>Social functioning, 0-100 SF-36 subscale</b> (8 RCTs, 1405 pts) MID: 10 points					Cannabis does not improve social functioning
<b>Sleep quality, 0-10cm</b> (9 RCTs, 2652 pts) MID: 1cm	1.25				Cannabis results in a small increase in the proportion of patients experiencing improved sleep quality
<b>Daily opioid dose (MED)</b> (4 RCTs, 1359 pts)	1.25 – 1.75		WMD -5.57mg (-8.37 to 1.63)	Very Low * (>20% LTFU) ( <u>indirect</u> )	It is uncertain whether cannabis may reduce opioid use

All 4 trials reporting opioid dose instructed cancer patients to maintain their dose during the trial

Review of 6 observational studies (n=710) provides VERY LOW certainty evidence that cannabis reduces opioid dose among chronic pain patients (WMD -20 MED, 95%CI -33 to -7)



Q

## What are the risks associated with medical cannabis use?



# Side effects

- ▼ **Most often, THC is dose dependent and dissipate over time through tolerance.**
- ▼ **Many can be prevented, or at least mitigated, with low-dose initiation and slow titration.**
- ▼ **Common adverse events include:**
  - ▼ drowsiness/fatigue
  - ▼ dizziness
  - ▼ dry mouth
  - ▼ nausea
  - ▼ effects on cognitive function
  - ▼ deficits in motor
  - ▼ diarrhea

Event (#RCTs, #pts)	Follow-up (months)	Treatment Effect		Certainty (GRADE)	Lay Summary
		placebo	cannabis		
<b>Cognitive impairment</b> (5 RCTs, 1033 pts)	1.3 – 3.5	7 (1%)	21 (3%)	Moderate (imprecise)	Cannabis probably results in a very small increase in the proportion of patients experiencing cognitive impairment
		<b>RD +2% (0.1% to 6%)</b>			
		RR 2.39 (1.06 to 5.38)			
<b>Vomiting</b> (9 RCTs, 2284 pts)	1 – 3.5	61 (6%)	117 (9%)	Moderate (imprecise)	Cannabis probably results in a very small increase in the proportion of patients experiencing vomiting
		<b>RD +3% (0.4% to 6%)</b>			
		RR 1.46 (1.07 to 1.99)			
<b>Drowsiness</b> (16 RCTs, 2553 pts)	1 – 3.5	53 (5%)	151 (9%)	Moderate (imprecise)	Cannabis probably results in a very small increase in the proportion of patients experiencing drowsiness
		<b>RD +4% (2% to 8%)</b>			
		RR 2.01 (1.44 to 2.81)			
<b>Dizziness</b> <3m F/U (11 RCTs, 2270 pts)	1 – 1.9	79 (8%)	472 (16%)	Moderate (imprecise)	Cannabis probably increases the proportion of patients experiencing dizziness at 1-2 months
		<b>RD +8% (4% to 12%)</b>			
		RR 2.10 (1.56 to 2.60)			
3+m F/U (7 RCTs, 1595 pts)	3 - 4	63 (9%)	173 (42%)	Moderate (indirectness*)	Cannabis probably results in a substantial increase in the proportion of patients experiencing dizziness at 3-4 months
		<b>RD +33% (21% to 50%)</b>			
		RR 4.64 (3.31 to 6.51)			

# Oral cannabis vs. placebo (adverse events)

Event (#RCTs, #pts)	Follow-up (months)	Treatment Effects		Certainty (GRADE)	Lay Summary
		placebo	cannabis		
<b>Impaired attention</b> (7 RCTs, 895 pts)	1 - 4	4 (1%)	25 (4%)	Moderate (imprecise)	Cannabis probably results in a very small increase in the proportion of patients experiencing impaired attention
		<b>RD +3% (1% to 8%)</b>			
		RR 4.04 (1.67 to 9.74)			
<b>Diarrhea</b> (7 RCTs, 2005 pts)	1 - 4	30 (4%)	119 (8%)	Moderate (imprecise)	Cannabis probably results in a very small increase in the proportion of patients experiencing diarrhea
		<b>RD +4% (2% to 8%)</b>			
		RR 2.19 (1.49 to 3.22)			
<b>Nausea</b> (14 RCTs, 2877 pts)	1 - 4	208 (8%)	213 (13%)	Moderate (imprecise)	Cannabis probably results in a very small increase in the proportion of patients experiencing nausea
		<b>RD +5% (2% to 8%)</b>			
		RR 1.59 (1.28 to 1.99)			

\* 1 RCT of topical cannabis reported “no adverse events”

# Systematic review of observational studies

Event (# studies, #pts)	Follow-up (months)	Risk Difference or Prevalence	Certainty (GRADE)	Lay Summary
<b>Cannabis dependence</b> (n=3, 1824 pts)	3	prevalence: 5% (95%CI 0% to 20%)	Very Low	We are very uncertain regarding the prevalence of dependence or effect of cannabis on motor vehicle accidents and falls
<b>Road traffic accident causing injury</b> (n=1, 431 pts)	12	RD 14 more/100,000 (95%CI 6 fewer to 523 more)	Very Low	
<b>Falls</b> (n=1, 431 pts)	12	RD 0 more/1,000 (16 fewer to 56 more)	Very Low	
<b>Suicide</b> (n=1, 431 pts)	12	RD: 3 fewer/1,000 (5 fewer to 36 more)	Very Low	We are very uncertain regarding the prevalence of suicidal thoughts, or the effect of cannabis on suicide
<b>Suicidal thoughts</b> (n=3, 3066 pts)	12	prevalence: 0.2% (0% to 0.4%)	Very Low	

## Cannabis use and driving-related performance in young recreational users: a within-subject randomized clinical trial

Tatiana Ogourtsova PhD OT(c), Maja Kalaba MPH, Isabelle Gelinas PhD OT(c), Nicol Korner-Bitensky PhD OT(c), Mark A. Ware MBBS MSc

- ▼ Participants completed tests in the no-cannabis state and at 1, 3 and 5 hours after inhalation of a standard 100mg dose of cannabis.
- ▼ Cannabis use showed no effect on simple driving-related tasks, but there was significant impairment on complex tasks, especially when these were novel.
- ▼ These effects, along with lower self-perceived driving ability and safety, lasted up to 5 hours after use.



## To whom the recommendation applies

- ▼ No trial eligible for our systematic review explored the effect of inhaled forms of medical cannabis, or enrolled patients involved in palliative care.
  - Our recommendation does not apply to smoked or vaporized forms of cannabis, cannabis provided for recreational purposes, or patients receiving end-of-life care.
- ▼ Trials eligible for our reviews largely excluded chronic pain patients with concurrent mental illness, or those receiving disability benefits; the generalizability of our recommendations to these populations is therefore uncertain.

# GRADE

## Strong recommendations

### 1. Clear imbalance



- ▼ benefits clearly outweigh risks/hassle/cost
- ▼ risk/hassle/cost clearly outweighs benefits

### 2. Sufficient certainty in estimates

### 3. Patients' values & preferences:

- ▼ almost all same choice



## Weak recommendations

### 1. Close balance



- ▼ Close call between benefits and risks/hassle/cost
- ▼ Therefore, more preference-sensitive

### 2. Lower certainty in estimates

### 3. Patients' values & preferences:

- ▼ choice **varies** appreciably (or is very uncertain)



# Final recommendation

PRACTICE

Check for updates

For numbered affiliations see end of article.  
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Additional material is published online only. To view please visit the journal online  
Cite this as: *BMJ* 2021;374:n2040  
<http://dx.doi.org/10.1136/bmj.n2040>

## RAPID RECOMMENDATIONS

### Medical cannabis or cannabinoids for chronic pain: a clinical practice guideline

Jason W Busse,<sup>1,2,3,4</sup> Patrick Vankrunkelsven,<sup>5,6</sup> Linan Zeng,<sup>2,7</sup> Anja Fog Heen,<sup>8</sup> Arnaud Merglen,<sup>9</sup> Fiona Campbell,<sup>10</sup> Lars Petter,<sup>11</sup> Bert Aertgeerts,<sup>12,13</sup> Rachelle Buchbinder,<sup>14,15</sup> Matteo Coen,<sup>16,17</sup> David Juurlink,<sup>18,19</sup> Caroline Samer,<sup>20,21</sup> Reed A C Siemieniuk,<sup>2</sup> Nimisha Kumar,<sup>22</sup> Lynn Cooper,<sup>23</sup> John Brown,<sup>4</sup> Lyubov Lytvyn,<sup>2</sup> Dena Zeraatkar,<sup>2,24</sup> Li Wang,<sup>2,3</sup> Gordon H Guyatt,<sup>2</sup> Per O Vandvik,<sup>8</sup> Thomas Agoritsas<sup>2,25</sup>

#### Population

These recommendations apply only to people with these characteristics:



#### Applies to people with:

- ✔ Cancer and non-cancer pain
- ✔ Neuropathic pain, nociceptive pain, and nociplastic pain

#### May or may not apply to:

- ? Paediatric populations
- ? Veterans
- ? Patients with concurrent mental illness
- ? Patients receiving disability benefits or involved in litigation

#### Does not apply to:

- ✘ Inhaled medical cannabis
- ✘ Recreational cannabis
- ✘ Patients receiving end of life care

#### Recommendation

 <b>Standard care</b> No trial of medical cannabis or cannabinoids	or	<b>Cannabis</b> Standard care plus a trial of non-inhaled medical cannabis or cannabinoids
Strong ← Weak		Weak → Strong

“ If standard care is not sufficient, we suggest offering a trial of non-inhaled medical cannabis or cannabinoids ”

# More comprehensive guidelines are underway

## ▼ Recent funding by Health Canada has facilitated more comprehensive guideline development, including:

- Updating of all prior evidence syntheses
- Benefits and harms of inhaled forms of cannabis
- Relative effectiveness of medical cannabis vs. opioids
- Impact of cannabis on driving
- Guidance of cannabis tapering
- Evidence on risk for developing cannabis use disorder
- Primary study of patients values and preferences regarding cannabis for chronic pain

Q

## How can medical cannabis be accessed?



# What are the steps for accessing medical cannabis?

1. A **medical document** (prescription) is written by an MD or NP and is sent to a **Health Canada-regulated License Holder** (your pharmacy for medical cannabis) by secure fax or physical mail.



2. You must fill out a **registration document** for each **License Holder** you order from online or by hand.



3. After your registration document is **approved** by the License Holder, **you can then place an order online or over the phone.**



# Accessing medical cannabis

- ▼ **Patients authorized by their healthcare provider may access cannabis for medical purposes by:**
  - ▼ buying directly from a federally licensed seller
  - ▼ registering with Health Canada to produce a limited amount of cannabis for their own medical purposes
  - ▼ designating someone to produce it for them

<https://www.canada.ca/en/health-canada/services/drugs-medication/cannabis/medical-use-cannabis.html>

Q

## What is the Cannabis Act, why is it up for review, and how will its review affect medical cannabis users?



# The Cannabis Act

- ▼ **The Cannabis Act has two objectives:**

1. Aims to protect the health and safety of Canadians while adapting and responding to the ongoing and emerging needs of Canadians.
2. Provides for the establishment of a competitive legal industry to displace the illicit market.

- ▼ **A review of the Act has recently been announced, whose goal is to ensure that the Act adapts to the current situation and continues to meet Canadians needs and expectations.**

Q

## What resources are available to learn more about medical cannabis?



▼ **Most physicians were reluctant to authorize cannabis due to:**

▼ **lack of knowledge,**

- ▼ There is no formal training in medical school about medical cannabis
- ▼ Most expressed interest in continuing medical education on cannabis

▼ **concerns about limited evidence,**

- ▼ Conflicting guidelines

▼ **potential harms**

- ▼ Increased risk for older patients (e.g., falls)
- ▼ Drug interactions with cannabis: There are 392 drugs known to interact with cannabis, 27 are major and 365 are moderate:

<https://www.drugs.com/drug-interactions/cannabis.html>

**cmaj**OPEN

Research

**Attitudes toward medical cannabis among family physicians practising in Ontario, Canada: a qualitative research study**

Jeremy Y. Ng MSc, Kevin Gilotra, Sana Usman BSc, Yaping Chang PhD, Jason W. Busse DC PhD





Michael G. DeGroote

CENTRE FOR MEDICINAL CANNABIS RESEARCH

[cannabisresearch.mcmaster.ca](https://cannabisresearch.mcmaster.ca)

<https://cannabisresearch.mcmaster.ca/news/newsletter-sign-up>





# Curating the Evidence Base



CONTINUING EDUCATION

SEARCH MENU

FIND PROGRAMS & COURSES ▾ ABOUT US NEWS AND EVENTS COMMUNITY CORNER HELP CENTRE CONTACT US  CART 0

## The Science of Cannabis

Separate fact from fiction with The Science of Cannabis

EXPLORE COURSES



OVERVIEW **CERTIFICATE** COURSES

CERTIFICATE OF PROFESSIONAL LEARNING IN THE SCIENCE OF CANNABIS

QUICK LINKS

<https://continuing.mcmaster.ca/programs/health-social-services/the-science-of-cannabis/#tab-content-certificate>




# Medical Cannabis Learning Hub available at arthritis.ca

## ▼ Learn more about:

- ▼ CBD & THC
- ▼ Risks of cannabis use
- ▼ Accessing and using medical cannabis
- ▼ Current research



The image shows a screenshot of the Medical Cannabis Learning Hub interface. At the top, there is a banner with the text "Medical Cannabis" over a background of cannabis plants. Below the banner is a grid of eight interactive tiles, each with an icon and a title. The tiles are arranged in two rows of four.

 What is Medical Cannabis?	 CBD & THC	 Using Medical Cannabis	 Risks
 Accessing Medical Cannabis	 Our Position	 Research and Reports	 Online Learning Module

**Any final thoughts or recommendations?**



# Questions



Tell us what you think...





