

Appendix A

Search Strategies

Search Executed: March 10, 2025

Database: Ovid MEDLINE(R) ALL <1946 to March 07, 2025>

Search Strategy:

- 1 Cannabis/ (15569)
- 2 exp "Marijuana Use"/ (7625)
- 3 exp Marijuana Abuse/ (7402)
- 4 Medical Marijuana/ (2626)
- 5 (cannabi\$ or marijuana\$ or marihuana\$ or hashish\$ or bhang\$1 or ganja\$1).mp. (73919)
- 6 or/1-5 (73919)
- 7 exp Pregnancy/ (1053766)
- 8 exp Pregnancy Complications/ (496078)
- 9 Pregnant Women/ (16213)
- 10 exp Maternal Health Services/ (61297)
- 11 (preconcept\$ or pre-concept\$ or periconcept\$ or peri-concept\$).mp. (13279)
- 12 (prenatal\$ or pre-natal\$ or antenatal\$ or antepart\$).mp. (254685)
- 13 pregnan\$.mp. (1198828)
- 14 (perinatal\$ or peri-natal\$ or peripart\$ or peri-part\$).mp. (111229)
- 15 (postpart\$ or post-part\$ or postnatal\$ or post-natal\$).mp. (241882)
- 16 ((pre\$ or before\$ or post\$ or after\$) adj2 (birth\$ or childbirth\$)).mp. (142772)
- 17 or/7-16 (1462910)
- 18 6 and 17 (3505)
- 19 ..1/ 18 lg=en (3389)
- 20 ..1/ 19 yr=2020-current (1268)
- 21 remove duplicates from 20 (1257)
- 22 limit 21 to animals (259)
- 23 21 not 22 (998)
- 24 (mouse or mice or rat or rats or rodent\$).mp. (3907700)
- 25 23 and 24 (57)
- 26 23 not 25 (941)

Search Executed: June 15, 2025

Set Added to Covidence Review: #26

Database: Ovid MEDLINE(R) ALL <1946 to June 13, 2025>

Search Strategy:

- 1 Cannabis/ (15753)
- 2 exp "Marijuana Use"/ (7756)
- 3 exp Marijuana Abuse/ (7488)
- 4 Medical Marijuana/ (2689)
- 5 (cannabi\$ or marijuana\$ or marihuana\$ or hashish\$ or bhang\$1 or ganja\$1).mp. (75117)
- 6 or/1-5 (75117)
- 7 exp Pregnancy/ (1061772)
- 8 exp Pregnancy Complications/ (499626)
- 9 Pregnant Women/ (16839)
- 10 exp Maternal Health Services/ (62015)
- 11 (preconcept\$ or pre-concept\$ or periconcept\$ or peri-concept\$).mp. (13567)

12 (prenatal\$ or pre-natal\$ or antenatal\$ or antepart\$).mp. (257873)
13 pregnan\$.mp. (1209637)
14 (perinatal\$ or peri-natal\$ or peripart\$ or peri-part\$).mp. (112931)
15 (postpart\$ or post-part\$ or postnatal\$ or post-natal\$).mp. (245102)
16 ((pre\$ or before\$ or post\$ or after\$) adj2 (birth\$ or childbirth\$)).mp. (144873)
17 or/7-16 (1476531)
18 6 and 17 (3565)
19 ../ 18 lg=en (3449)
20 ../ 19 yr=2016-current (1862)
21 remove duplicates from 20 (1858)
22 limit 21 to animals (418)
23 21 not 22 (1440)
24 (mouse or mice or rat or rats or rodent\$).mp. (3942385)
25 23 and 24 (81)
26 23 not 25 (1359)

Appendix B

Data Extraction Matrix

Motive reported	Motive Category	Preconception	Prenatal	Postpartum
Nausea	Medical/Therapeutic	Skelton 2020; Besse 2023 [†]	Mark 2017 ; Chang 2019; Barbosa-Leiker 2020*; Ko 2020 ; Skelton 2020 ; Greyson 2021; Kaarid 2021 ; Macario 2022*; Satti 2022; Sood 2022 ; Vanstone 2022; Besse 2023 [†] ; Daniels 2023 ; Foti 2023; Constantino- Pettit 2024 ; Eitel 2024 ; Gould 2024; Gunn 2024; Skelton 2024; Zaugg 2024 ; Kendall- Tackett 2025*	Barbosa-Leiker 2020*; Skelton 2020; Macario 2022*; Garner 2022 ; Boerner 2024* ; Kendall- Tackett 2025
Vomiting	Medical/Therapeutic	Skelton 2020; Besse 2023	Chang 2019; Ko 2020 ; Skelton 2020 ; Greyson 2021; Kaarid 2021 ; Macario 2022*; Sood 2022 ; Vanstone 2022; Besse 2023 [†] ; Daniels 2023; Foti 2023; Constantino- Pettit 2024 ; Eitel 2024 ; Gunn 2024; Skelton 2024; Zaugg 2024	Skelton 2020; Macario 2022*; Boerner 2024*
Morning sickness or NVP	Medical/Therapeutic		Barbosa-Leiker 2020; Koren 2020; Daniels 2023 ; Kiel 2023	
HG	Medical/Therapeutic		Koren 2020; First 2022; Daniels 2023; Mercer 2024	

Gastrointestinal disorders	Medical/Therapeutic		Gunn 2024	Garner 2022
Appetite	Medical/Therapeutic	Skelton 2020*; Besse 2023 [†] ; Eitel 2024	Chang 2019; Skelton 2020*; Macario 2022*; Besse 2023 [†] ; Daniels 2023 ; Foti 2023; Constantino-Pettit 2024 ; Eitel 2024; Gould 2024; Gunn 2024; Skelton 2024	Skelton 2020*; Macario 2022*; Garner 2022 ; Eitel 2024; Boerner 2024 *
Weight gain	Medical/Therapeutic	Eitel 2024	Barbosa-Leiker 2020*; Vanstone 2022; Eitel 2024 ; Gunn 2024; Skelton 2024	Barbosa-Leiker 2020*; Eitel 2024
Labor pain	Medical/Therapeutic			
Pain	Medical/Therapeutic	Skelton 2020*; Besse 2023 [†] ; Eitel 2024	Barbosa-Leiker 2020*; Ko 2020 ; Skelton 2020*; Macario 2022*; Satti 2022; Sood 2022; Vanstone 2022; Besse 2023 [†] ; Daniels 2023 ; Foti 2023; Kiel 2023; Constantino-Pettit 2024; Eitel 2024; Skelton 2024; Zaugg 2024	Barbosa-Leiker 2020*; Skelton 2020*; Garner 2022; Macario 2022*; Eitel 2024; Withanarachchie 2024; Boerner 2024 *; Ogden 2025
Chronic pain	Medical/Therapeutic		Vanstone 2022; Kendall-Tackett 2025*	Garner 2022 ; Smith 2024; Young-Wolff 2024; Kendall-Tackett 2025*
Gynecologic pain	Medical/Therapeutic		Zaugg 2024	
Spasms or cramps	Medical/Therapeutic	Besse 2023 [†]	Besse 2023 [†]	
HA	Medical/Therapeutic	Besse 2023 [†]	Besse 2023 [†] ; Skelton 2024; Zaugg 2024	
Chronic conditions	Medical/Therapeutic	Skelton 2020	Ko 2020; Skelton 2020; Sood 2022; Zaugg 2024	Skelton 2020

Sleep	Medical/Therapeutic	Besse 2023† ; Eitel 2024; Gunn 2024	Barbosa-Leiker 2020; Skelton 2020; Kaarid 2021 ; Macario 2022*; Satti 2022; Vanstone 2022; Besse 2023† ; Daniels 2023 ; Foti 2023; Constantino- Pettit 2024; Eitel 2024; Gould 2024; Gunn 2024; Zaugg 2024 ; Kendall- Tackett 2025*	Garner 2022 ; Macario 2022*; Eitel 2024; Smith 2024; Boerner 2024* ; Kendall- Tackett 2025; Ogden 2025
Stress (including psychological and financial)	Coping	Skelton 2020 ; Eitel 2024	Chang 2019; Barbosa-Leiker 2020*; Ko 2020 ; Skelton 2020; Vanstone 2022; Sood 2022 ; Foti 2023; Young- Wolff 2023; Constantino- Pettit 2024; Eitel 2024; Gunn 2024; Zaugg 2024	Barbosa-Leiker 2020*; Skelton 2020 ; Eitel 2024 ; Smith 2024; Ogden 2025
Postpartum stress Parenting stress and coping	Coping Coping		Barbosa-Leiker 2020*,	Young-Wolff 2024 Barbosa-Leiker 2020*; Vanstone 2022; Smith 2024; Withanarachchie 2024; Young- Wolff 2024; Boerner 2024*; Ogden 2025
Labor stress	Coping		Vanstone 2022; Skelton 2024	
Anxiety or nerves	Coping	Skelton 2020 ; Besse 2023† ; Eitel 2024	Barbosa-Leiker 2020*; Ko 2020 ; Skelton 2020; Kaarid 2021; Greyson 2021; Macario 2022*; Satti 2022; Vanstone 2022; Besse 2023† ;	Barbosa-Leiker 2020*; Skelton 2020 ; Garner 2022 ; Macario 2022*; Eitel 2024 ; Smith 2024; Withanarachchie 2024; Boerner

			Daniels 2023; Young-Wolff 2023; Constantino- Pettit 2024; Eitel 2024 ; Gunn 2024; Zaugg 2024 ; Kendall- Tackett 2025*	2024* ; Kendall- Tackett 2025*; Ogden 2025
Fun	Enhancement/ Enjoyment	Skelton 2020; Besse 2023†; Eitel 2024	Ko 2020; Skelton 2020; Sood 2022; Besse 2023†; Eitel 2024; Zaugg 2024	Skelton 2020; Eitel 2024
Relax	Enhancement/ Enjoyment	Skelton 2020; Besse 2023† ; Eitel 2024	Ko 2020; Skelton 2020; Besse 2023† ; Eitel 2024	Skelton 2020; Withanarachchie 2024; Smith 2024; Ogden 2025
Enjoyment	Enhancement/ Enjoyment		Constantino- Pettit 2024,	
Get high	Expansion / Altered State	Besse 2023†	Besse 2023†; Zaugg 2024	Garner 2022
Social or use with a partner or friend	Social	Besse 2023†; Eitel 2024	Greyson 2021; Eitel 2024; Zaugg 2024	Eitel 2024
Substitution	Substitution		Chang 2019; Barbosa-Leiker 2020*; Greyson 2021; Macario 2022*; Daniels 2023; Foti 2023; Kiel 2023; Gunn 2024	Barbosa-Leiker 2020*; Macario 2022*; Boerner 2024*; Ogden 2025
Improve quality of life	Other		Vanstone 2022	Boerner 2024*
Coping	Coping	Vanstone 2021	Chang 2019; Vanstone 2021; Zaugg 2024	Vanstone 2021 ; Smith 2024
Improve mood	Coping	Eitel 2024	Chang 2019; Foti 2023; Skelton 2024	Withanarachchie 2024; Young- Wolff 2024; Ogden 2025
Depression	Medical/Therapeutic	Skelton 2020*; Besse 2023†	Skelton 2020*; Macario 2022*; Vanstone 2022; Besse 2023† ; Daniels 2023; Young-Wolff 2023; Constantino- Pettit 2024;	Skelton 2020*; Garner 2022 ; Macario 2022*; Smith 2024; Withanarachchie 2024; Boerner 2024* ; Kendall- Tackett 2025; Ogden 2025

			Gunn 2024; Zaugg 2024; Kendall- Tackett 2025* Kiel 2023	
Mental health symptoms	Medical/Therapeutic			
Bipolar	Medical/Therapeutic		Macario 2022*; Vanstone 2022; Zaugg 2024	Macario 2022*
PTSD or Trauma	Medical/Therapeutic	Skelton 2020*	Barbosa-Leiker 2020; Skelton 2020*; Macario 2022*; Vanstone 2022; Constantino-Pettit 2024; Gunn 2024; Zaugg 2024; Kendall-Tackett 2025*	Skelton 2020*; Garner 2022; Garner 2022 ; Macario 2022*; Withanarachchie 2024; Boerner 2024*; Kendall-Tackett 2025*
Panic attacks	Medical/Therapeutic	Besse 2023 [†]	Besse 2023 [†]	
Reduce anger	Coping	Besse 2023 [†]	Besse 2023 [†]	
Increase energy	Other	Besse 2023 [†]	Besse 2023 [†] ; Constantino-Pettit 2024	
Isolation/boredom	Coping		Young-Wolff 2023	
ADHD	Medical/Therapeutic		Gunn 2024	Boerner 2024*
Concentration	Other	Besse 2023 [†]	Besse 2023 [†]	
CUD or habit	Other		Foti 2023; Constantino-Pettit 2024; Skelton 2024	
Substance use disorders	Substitution		Vanstone 2022	
Sexual satisfaction or drive	Enhancement/Enjoyment		Gunn 2024	
PMDD	Medical/Therapeutic			Withanarachchie 2024
Psych disorders	Medical/Therapeutic		Macario 2022*	Garner 2022; Macario 2022*
Anemia	Medical/Therapeutic		Vanstone 2022	
H. Pylori	Medical/Therapeutic		Vanstone 2022	
Osteoarthritis	Medical/Therapeutic		Vanstone 2022	
Fibromyalgia	Medical/Therapeutic		Vanstone 2022; Kiel 2023	
Seizures/epilepsy	Medical/Therapeutic			Garner 2022
Creativity	Expansion / Altered State	Besse 2023 [†]	Besse 2023 [†]	
Autoimmune or inflammatory disorders and multiple sclerosis	Medical/Therapeutic			Garner 2022; Boerner 2024*

medical	Medical/Therapeutic		Greyson 2021	
Sensation-seeking	Enhancement/ Enjoyment	Vanstone 2021	Vanstone 2021	Vanstone 2021
Symptom management	Medical/Therapeutic	Vanstone 2021	Vanstone 2021	Vanstone 2021
Other	Other	Skelton 2020	Ko 2020; Skelton 2020; Sood 2022; Constantino- Pettit 2024	Skelton 2020; Smith 2024; Boerner 2024*

Note. † Besse 2021 reported motives separately before pregnancy recognition (coded here as preconception) and after pregnancy recognition (coded as prenatal). Bolded authors reflect a prevalent sub-motive reported in corresponding study. *Contains combined sample periods.