

**EMERGING  
EVIDENCE BRIEF  
ON  
PRESCRIBED  
SAFER SUPPLY  
AND  
CLIENT  
EXPERIENCES**



**National Safer Supply**  
Community of Practice

# IT CHANGED MY LIFE.



“Once I was a client of this program, I knew I was safe.”



# IT CHANGED MY LIFE.

“It makes me actually happy to be part of it, because it gave me the opportunity to feel like I have family.”

A close-up photograph of a hand holding a silver keychain. The keychain features a house-shaped key with two windows and a door. The background is softly blurred, showing a person's face in profile.

**IT CHANGED MY LIFE.**

“There are people that are on this program that started off in tents and now they've actually got themselves to a position where they're renting an apartment. That doesn't happen without safer supply.”

A photograph showing the back of a person's head and shoulder. They are looking out over a vast, open landscape under a bright, hazy sky, likely at sunset or sunrise. The lighting is warm and golden.

**IT CHANGED MY LIFE.**

“It's been a miracle...it's made me love life. It's given me a reason to get out of bed. It's changed my whole perspective on life.”



# **National Safer Supply Community of Practice** **La communauté de pratique nationale sur** **l'approvisionnement plus sécuritaire**

## **Prescribed Safer Supply Programs: Emerging Evidence**

### **Contents**

What is prescribed safer supply?	1
Context	2
Who can access prescribed safer supply?	2
What does the evidence show?	3
Success factors for prescribed safer supply programs	4
For further information	5
References cited	6
About this document	9



## **What is prescribed safer supply?**

Safe supply refers to regulated pharmaceutical drugs of known content, quantity, quality, and potency that provide the mind/body altering properties of drugs that are currently only available through illegal markets and not available through traditional opioid agonist therapies (CAPUD, 2019).

“[Prescribed] safe opioid supply programs are a promising intervention to address North America’s ongoing overdose crisis by providing people at high risk of fatal overdose an alternative to the toxic drug supply” (Ivsins *et al.*, 2020b)

## Context

The appearance of fentanyl in the unregulated drug supply in recent years has made the illegal drug supply increasingly unpredictable and toxic. As a result, there were 34,455 opioid toxicity related deaths in Canada between January 2016 and September 2022 (Special Advisory Committee, 2022). Fentanyl is overwhelmingly responsible for drug-related deaths in Canada, contributing to 89% of drug-related deaths in Ontario and 86% of drug-related deaths in BC in 2021 (British Columbia Coroners Service, 2023; Gomes *et al.*, 2022).

Health Canada currently [funds 22 pilot programs](#) which use medical models of safer supply. The most common settings for prescribed safer supply are community health settings, such as community health centres and primary care clinics, and onsite pharmacies (Glegg *et al.*, 2022). There are also unfunded programs and individual health care providers who prescribe safe supply. [Unsanctioned buyer’s club models are being explored](#).

## Who can access prescribed safer supply?

Around 5% of adults around the world use illegal drugs, and nearly 90% of them are occasional or recreational users (Schlag, 2020). Anyone who uses opioids procured from the illegal drug supply – either recreationally or routinely – needs access to a safer supply.

However, prescribed safer supply programs have very limited capacity. One program estimated 6000 people in their region would benefit from prescribed safer supply, but they are only able to serve 300 people (McMurchy & Palmer, 2022). Prescribed safer supply programs currently prioritise those who are at the highest risk of death from overdose (Young *et al.*, 2022), who are experiencing serious medical complications from their drug use (Gomes & Kolla, 2022; Haines *et al.*, 2022; McMurchy & Palmer, 2022; Selfridge, *et al.*, 2020), and who are marginalized from health care services, including traditional opioid agonist therapies (ESCODI, 2022).

“[N]ot all people who use opioids are interested in treatment, nor is conventional treatment suitable for all people who use opioids” (Ivsins *et al.*, 2020a).

Typical prescribed safer supply inclusion criteria include DSM V defined opioid use disorder and previous unsuccessful experience with methadone, buprenorphine or SROM, or disinterest in methadone, buprenorphine, or SROM (Hales *et al.*, 2020). Individual prescribed safer supply programs add criteria such as a history of overdose and high risk of overdose, complications related to injection drug use

(infections, etc.), and social factors such as being unhoused or precariously housed, being disengaged from health care and social services, or being involved in crime or sex work. Retention rates in prescribed safer supply programs are very high (Atkinson, 2023; McMurchy & Palmer, 2022; Kolla *et al.*, 2022; Haines *et al.*, 2022; ESCODI, 2022; Selfridge *et al.*, 2022).

## What does the evidence show?

Initiators of prescribed safer supply in Canada have [drawn on the extensive literature](#) on international OAT studies, European Heroin Assisted Treatment (HAT) studies and Canadian iOAT. There are many research and evaluation studies underway, with evidence emerging to show:

- **Prescribed hydromorphone is not contributing to drug-related deaths:** Data from coroners in both BC and Ontario have found no link between prescribed hydromorphone and drug-related overdose deaths: “There is no indication that prescribed safe supply is contributing to illicit drug deaths” (British Columbia Coroners Service, 2023). In Ontario, despite the increasing use of immediate-release hydromorphone during the early pandemic period, both the percentage and overall number of hydromorphone-related deaths actually decreased (Gomes *et al.*, 2022).
- **Reduced risk of death and/or overdose:** Both drug-related deaths and deaths from any cause among people receiving prescribed safer supply were rare (Young *et al.*, 2022; Gomes & Kolla, 2022) and they had fewer overdoses (Atkinson, 2023; ESCODI, 2022; Haines *et al.*, 2022; McNeil *et al.*, 2021; Selfridge *et al.*, 2020).
- **Engagement and retention in programs and care:** Increased access to health and social services, including primary care, COVID-19 quarantine, OAT, counselling, and housing support; and improved relationships with providers (Atkinson, 2023; Brothers *et al.*, 2022; Haines & O’Byrne, 2023; Kolla *et al.*, 2022; McMurchy & Palmer, 2022; Selfridge *et al.*, 2020; Selfridge *et al.*, 2022).
- **Improvements in physical and mental health:** Improved chronic and/or infectious disease management, medication adherence, pain management, sleep, nutrition, and energy level (Haines & O’Byrne, 2023; Kolla *et al.*, 2022; Klair *et al.*, 2022; Ivsins *et al.*, 2021; McMurchy & Palmer, 2022; Haines *et al.*, 2022; Selfridge *et al.*, 2020; Gomes & Kolla, 2022).
- **Fewer emergency department visits and hospitalizations:** Significantly fewer Emergency Department visits and inpatient hospital admissions after entering the safer supply program compared to the year prior, with no change in these outcomes among a matched group unexposed to safer supply in the same time period (Gomes, Kolla, McCormack *et al.*, 2022).
- **Decrease in hospitalizations for infectious complications:** In the year after beginning a safer supply program, there was a significant decrease in hospitalizations for infectious complications among safer supply clients; hospitalizations dropped from 26 in the year before program entry to 13 in the year following entry to a safer supply program (Gomes, Kolla, McCormack *et al.*, 2022). There was no change in these outcomes among a matched group unexposed to safer supply in the same time period (Gomes, Kolla, McCormack *et al.*, 2022). Increasing infection rates overall

among people who inject drugs since 2016 align with the shifts in the unregulated drug market towards nonprescription fentanyl (Gomes et al., 2021).

- **Reduced use of drugs from the unregulated street supply** (thereby reducing overdose risk) and, in some cases, reducing drug use overall or ceasing the use of drugs by injection (Atkinson, 2023; Kolla *et al.*, 2022; McNeil *et al.*, 2021; ESCODI, 2022; Haines *et al.*, 2022; Selfridge *et al.*, 2020; Ivsins *et al.*, 2020b).
- **Improved control over drug use:** The flexibility and autonomy of prescribed safer supply programs, coupled with certainty about dose strength, enabled participants to avoid withdrawal symptoms and manage pain (Haines & O'Byrne, 2023; McNeil *et al.*, 2021; Ivsins *et al.*, 2020b, Selfridge, 2020).
- **Improvements in social well-being and stability:** Economic improvements (Ivsins *et al.*, 2020; Selfridge *et al.*, 2020; Haines *et al.*, 2022), reduced inequities stemming from the intersection of drug use and social inequality (Ivsins *et al.*, 2021), better control over time leading to engagement in employment, hobbies, and interests (Atkinson, 2023; McMurchy & Palmer 2022; Haines *et al.*, 2022), decreased involvement in and exposure to violence, criminal activities and legal issues (Haines & O'Byrne, 2023; Kolla *et al.*, 2022; McMurchy & Palmer, 2022; Haines *et al.*, 2022; Ivsins *et al.*, 2020b), improved general social stability (ESCODI, 2022), improved housing access (Atkinson, 2023; Haines *et al.*, 2022) and improved relationships with family members and friends (Kolla *et al.*, 2022; McMurchy & Palmer, 2022; Selfridge *et al.*, 2020 ).
- **Decline in health care costs:** Prescribed safer supply program participants had lower costs for healthcare not related to primary care or outpatient medications in the year after program initiation, with no corresponding change observed in a matched group of individuals who did not access the program (Gomes & Kolla, 2022).

## Success factors for prescribed safer supply programs

- **Comprehensive ancillary services:** populations served by prescribed safer supply benefit from health and social supports delivered alongside safer supply (Gomes & Kolla 2022; Haines *et al.*, 2022; Selfridge *et al.*, 2020).

“Safer supply is just one part of more equitable access to health and wellbeing. Providing safer supply is a harm reduction entry-point to addressing other basic needs and priorities. Secure housing, livable income, access to health care, and a caring community to feel a part of, are all necessities.” (McMurchy & Palmer, 2022)

- **Program flexibility** (Ivsins *et al.*, 2020b; Haines *et al.*, 2022; McMurchy & Palmer, 2022) and adaptability (Glegg *et al.*, 2022; McMurchy & Palmer, 2022)
- **Low-barrier, client-centred design** (Ivsins *et al.*, 2020b; McMurchy & Palmer, 2022)

- **Ability to provide pharmaceuticals that meet people’s needs** (dose, formulation, type) (Selfridge *et al.*, 2022)
- **Community-centred approach**, foregrounding the leadership and engagement of people who use drugs (Ranger *et al.*, 2021; Haines & O’Byrne, 2023).

“The overarching approach to providing safer supply services should be grounded in the community and centred on input from people with lived experience in program co-design, planning and implementation” (McMurchy & Palmer, 2022)

## For further information

### National Safer Supply Community of Practice resources

- [Reframing Diversion for Health Care Providers: Frequently Asked Questions](#) (2022)
- [Safer Supply for Health Care Providers: Frequently Asked Questions](#) (2022)
- [Safer Supply: A Review of the Literature](#) (2022)
- [Safer Supply, Opioid Agonist Treatment & Harm Reduction: National Advocacy Toolkit](#) (2022)

### Reports

- [Parkdale Queen West Community Health Centre Safer Opioid Supply 2023 Evaluation Report](#) (Atkinson, 2023)
- [Safer Supply Ottawa Evaluation - Fall 2022 Report](#) (Haines, Tefoglou, & O’Byrne, 2022)
- [Assessment of the Implementation of Safer Supply Pilot Projects - Full Report](#) (McMurchy & Palmer, 2022)
- [London InterCommunity Health Centre's Safer Opioid Supply Program Evaluation - Full Report](#) (Kolla *et al.*, 2022)
- [Cool Aid Community Health Centre Report on Risk Mitigation Guidance Prescriptions: Providing “Safer Supply” in CAMICO Sheltering Sites, Outreach and Primary Care Practice](#) (Selfridge *et al.*, 2020)

### Protocols and Guiding Documents

- [Safer Opioid Supply Programs \(SOS\): A Harm Reduction Informed Guiding Document for Primary Care Teams-April 2020 update](#) (Hales *et al.*, 2020).
- [Safer Opioid Supply Program Protocols. Parkdale Queen West Community Health Centre](#) (Waraksa *et al.*, 2022)
- [Victoria SAFER Initiative: Safer Supply Protocols](#) (AVI Health and Community Services, 2022)





## **IT CHANGED MY LIFE.**

**“I haven’t had an overdose since I’ve been on the program. I had a couple shortly before where I had to be defibrillated.”**



## **IT CHANGED MY LIFE.**

**“I’m not in the hospital so much getting my abscesses drained, because I’m actually swallowing my medication. I find it more effective.”**



# IT CHANGED MY LIFE.

“The best part is the freedom. It just gives me a lot of freedom, more freedom than I had before, more options than I had before. That’s a beautiful thing. And the support that comes around with it.”



# IT CHANGED MY LIFE.

“I got a job, got stable housing, stopped using, connected with kids again, I’m in school.”

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[https://pqwchc.org/wp-content/uploads/PQWCHC\\_SOS\\_EvaluationReport-Final...](https://pqwchc.org/wp-content/uploads/PQWCHC_SOS_EvaluationReport-Final...) ➤ Surveys, semi-structured interviews and EMR data.

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<https://doi.org/10.1016/j.drugalcdep.2022.109440> ➤ Reviewed medical records of all 77 COVID-19 isolation hotel shelter residents during May 2021.

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<https://dependanceitinérance.ca/wp-content/uploads/2022/11/Safer-Supply...> ➤ Survey of 20 prescribers and 16 pharmacists in Québec.

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<https://doi.org/10.1097/ADM.0000000000000928> ➤ Analysis of inpatient hospitalizations for serious infections from 2013-2019.

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Haines, M., & O'Byrne, P. (2023). Safer opioid supply: qualitative program evaluation. *Harm Reduction Journal*, 20(53). <https://doi.org/10.1186/s12954-023-00776-z> ➤ Semi-structured interviews and surveys with 30 participants

Haines, M., Tefoglu, A., & O'Byrne, P. (2022). *Safer Supply Ottawa Evaluation: Fall 2022 Report*. Ottawa, Canada. <https://safersupplyottawa.com/research/> ➤ Chart review for all safer supply participants (n=425) plus a qualitative study including interviews (n=30) and surveys

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<https://doi.org/10.1016/j.drugalcdep.2020.108202> ➤ 42 qualitative interviews plus 100 hours of ethnographic observations.

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<https://doi.org/10.1371/journal.pone.0219777> ➤ Examined used injection drug preparation equipment (n=87).

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Kolla, G., Long, C., Perri, M., Bowra, A., & Penn, R. (2022). *Safer Opioid Supply Program: Summary Report*. London, Ontario: London InterCommunity Health Centre.

[https://www.nss-aps.ca/sites/default/files/resources/2022\\_LIHC\\_SOS\\_Prog...](https://www.nss-aps.ca/sites/default/files/resources/2022_LIHC_SOS_Prog...) ➤ Findings from a mixed-methods evaluation examining the scale up of the safer supply program at LIHC from 112 to 248 clients.

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[https://www.nss-aps.ca/sites/default/files/resources/2022-03-safer\\_supp...](https://www.nss-aps.ca/sites/default/files/resources/2022-03-safer_supp...) ➤ Qualitative assessment of 10 time-limited safer supply pilot projects in British Columbia, Ontario, and New Brunswick.

McNeil, R., Fleming, T., Mayer, S., Barker, A., Mansoor, M., Betsos, A., Austin, T., Parusel, S., Ivsins, A., & Boyd, J. (2022). Implementation of Safe Supply Alternatives During Intersecting COVID-19 and Overdose Health Emergencies in British Columbia, Canada, 2021. *American Journal of Public Health* 112, s151-s158. <https://doi.org/10.2105/AJPH.2021.306692> ➤ 40 qualitative interviews.

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Schlag, A. K. (2020). Percentages of problem drug use and their implications for policy making: A review of the literature. *Drug Science, Policy and Law* 2020;6. <https://doi.org/10.1177/2050324520904540> ➤ Literature review.

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[https://coolaid.org/wp-content/uploads/2021/03/CACHC\\_RMG\\_March-August20...](https://coolaid.org/wp-content/uploads/2021/03/CACHC_RMG_March-August20...) ➤ Chart review (n=313)

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## About this document

This evidence brief was developed by the National Safer Supply Community of Practice (NSS-CoP). Please visit <https://www.nss-aps.ca/> to learn more.

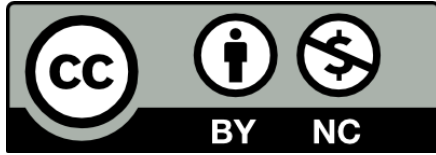
**Contributors:** Rebecca Penn (concept, writing, editing), Robyn Kalda (writing, editing), Alexandra Holtom (editing)

**Suggested Citation:** National Safer Supply Community of Practice. (2023). Prescribed Safer Supply Programs: Emerging Evidence. Canada. <https://www.nss-aps.ca/evidence-brief>

**Version:** 10 May 2023

*Production of this document has been made possible through a financial contribution from Health Canada. The views expressed herein do not necessarily represent the views of Health Canada.*

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