

HARM REDUCTION IN CANADA

LESSONS LEARNED AND REFLECTIONS



OUTLINE

- Harm reduction
- Canadian context
- Lessons learned
 1. Overdose deaths are preventable
 2. Harm reduction is standard of care
 3. Harm reduction is not enough
- Reflections
 1. Reducing harms in a harm-inducing context
 2. Responding to a toxic drug supply
 3. Restricting access to opioids is not a solution
- Conclusion

HARM REDUCTION

Refers to policies, programmes and practices that aim primarily to reduce the adverse health, social and economic consequences of the use of drugs without necessarily reducing or stopping drug consumption

(Canadian Harm Reduction Network)

Values life, choice, respect and compassion over judgement, stigma, discrimination and punishment

(Source unknown)

HARM REDUCTION

- Harm reduction is:
 - Historically grassroots and community-focused
 - Pragmatic and patient-centered
 - Ethical and non-judgmental
 - Evidence-based and proven to work
 - Cost-efficient and cost-saving
 - Life-saving
 - A human right

CANADIAN CONTEXT



HISTORICAL OVERVIEW

- 1987 First version of the National Drug Strategy
- 1992 Second version of the National Drug Strategy
- 1998 Inclusion of harm reduction pillar
- 2000 Vancouver: Four Pillar Approach to Drug Problems
- 2003 National Drug Strategy renewed with four pillars
- 2006-15 Active opposition to harm reduction (Harper era)
- 2007 Introduction of the National *Anti*-Drug Strategy
- 2016 Introduction of National Strategy on drugs and other substances (reintroduction of harm reduction)
- 2018 New Democratic Party and Liberal Party vote resolutions to support drug decriminalization
- 2018 The cities of Vancouver, Toronto, and Montreal call for drug decriminalization

FIRST SUPERVISED INJECTION SITE

- Insite (Vancouver)
 - Opened in 2003
 - First supervised injection site in North America
 - 3.6 million clients since opening
 - Average of 400 injection room visits per day



FIRST SUPERVISED INJECTION SERVICE

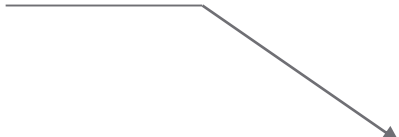
- Dr. Peter Centre (Vancouver)
 - Opened in 1997 as a centre for people living with HIV
 - First health care facility in North America to integrate supervised injection services in its model of care (2002)
 - Functioned without a federal exemption until 2014



PROCESS

FEDERAL LEVEL (CDSA)

- Criteria for exemption
- Exemption application

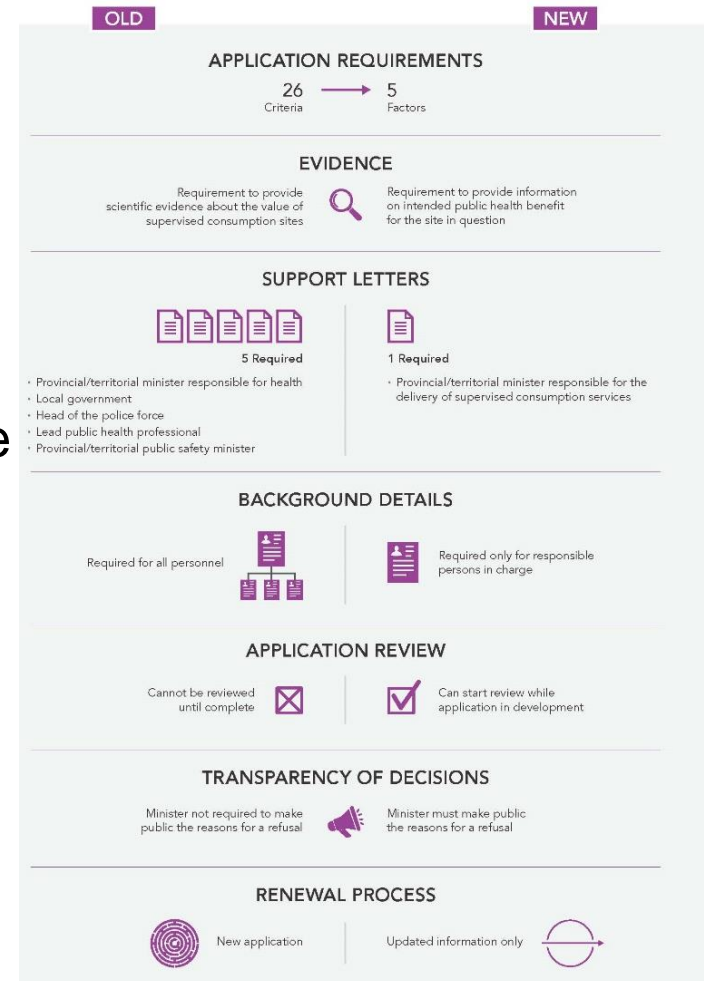


PROVINCIAL LEVEL (health care delivery)

- Additional criteria
- Implementation
- Funding

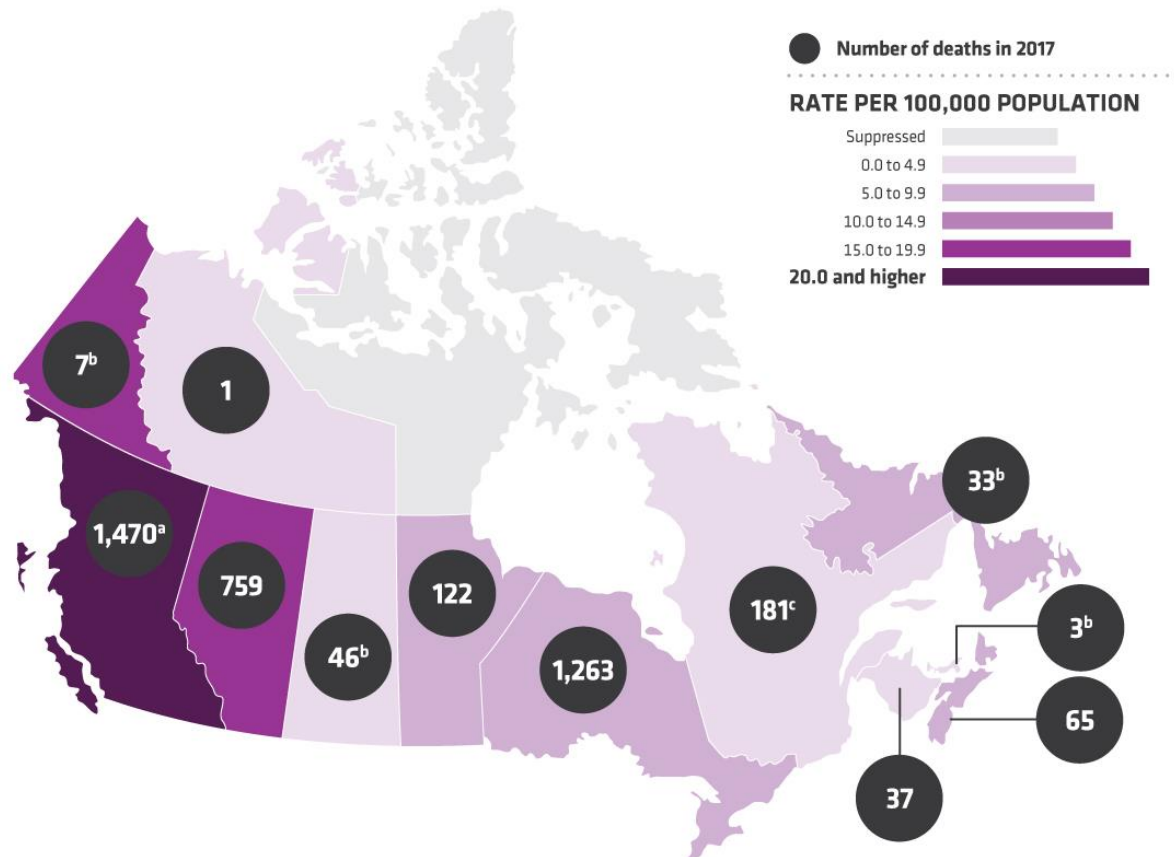
EXEMPTION

- From 26 criteria (2015)
 - Conservative strategy to block SIS
- To 5 criteria (2016)
 - Introduced by Liberals to « streamline »
 - Impact on crime rates
 - Local conditions indicate need for site
 - Regulatory structure in place
 - Resources available to support the maintenance of site
 - Expressions of community support or opposition



OVERDOSE CRISIS

- 2017: 3,987 apparent opioid-related deaths in 2017
- 37% increase from 2016 (2,978)



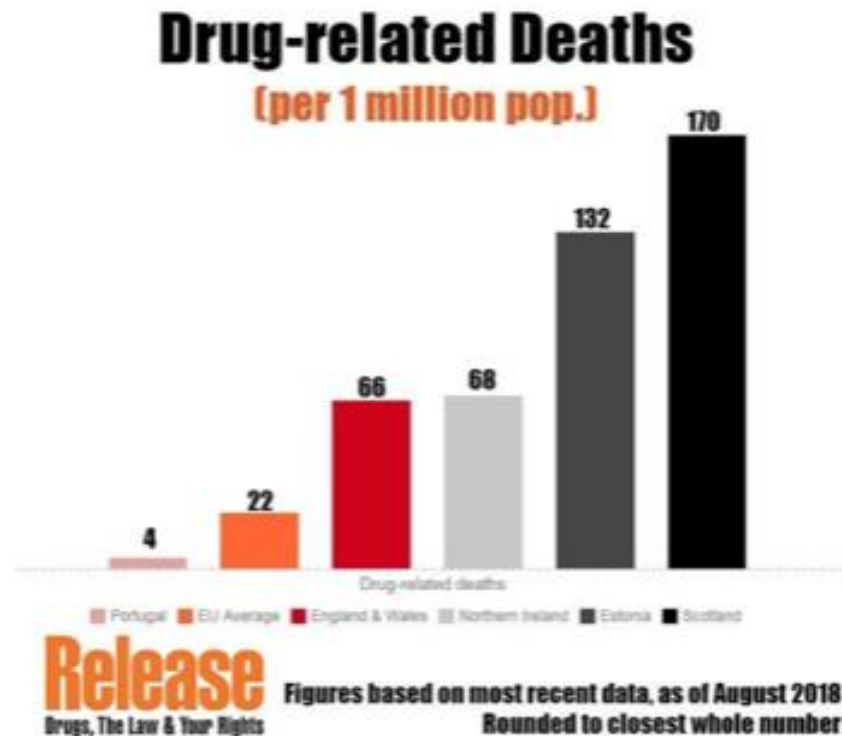
OVERDOSE CRISIS

- Who is dying?
 - Men (76%)
 - Age
 - 20-29 (20%)
 - 30-39 (27%)
 - 40-49 (22%)
 - Fentanyl or analogues (68%)
 - Involving other substances (72%)
 - Indoors (90%)

OVERDOSE CRISIS

#STOP THE DEATHS

- Scotland is in the midst of an overdose crisis
- It is also faced with an HIV outbreak and high rates of HCV



OVERDOSE CRISIS

#STOP THE DEATHS

- Scotland recorded 934 overdose deaths in 2017
- BC declared a public health emergency in April 2016 when it was predicting 800 deaths. Last year, it recorded close to 1400 deaths



2017 - 934

2016 - 868

2015 - 706

2014 - 614

2013 - 527

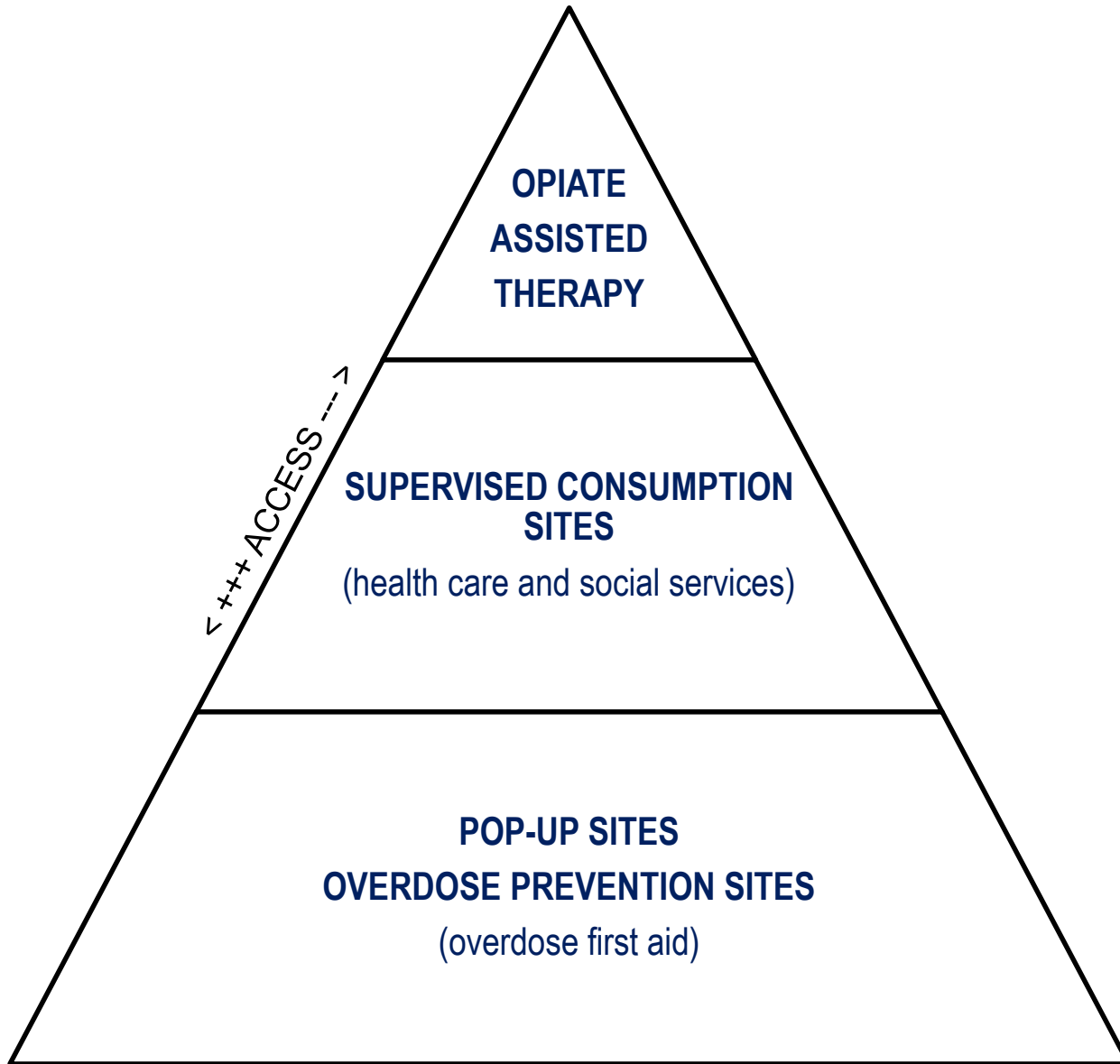
**Drug-related deaths
in Scotland**

LESSONS LEARNED

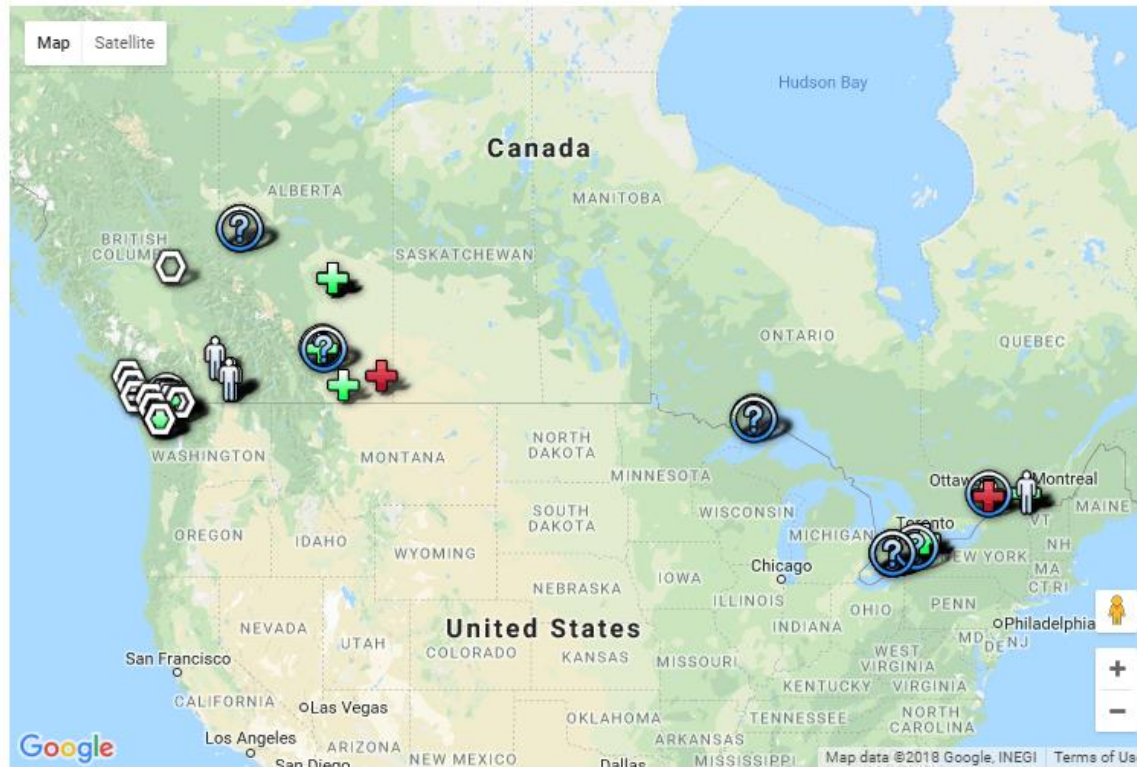


1. OVERDOSE DEATHS ARE PREVENTABLE

- Overdose prevention 101
 - Do not use alone
 - Take your time
 - Test your drug
 - Drug testing continuum : from spectrometry to “test shots”
 - Carry naloxone
 - Wide distribution and as easy to obtain as possible
 - Mandatory for all frontline groups: firefighters, police, paramedics, bar staff, librarians, school staff, support workers, prison guards
 - Access first aid (including oxygen)
 - Call 911
 - Good Samaritan Law



Source: Pivot Legal Society (August 2018)

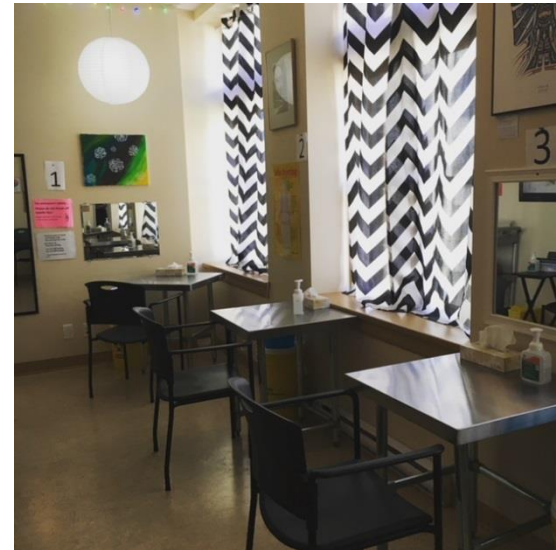
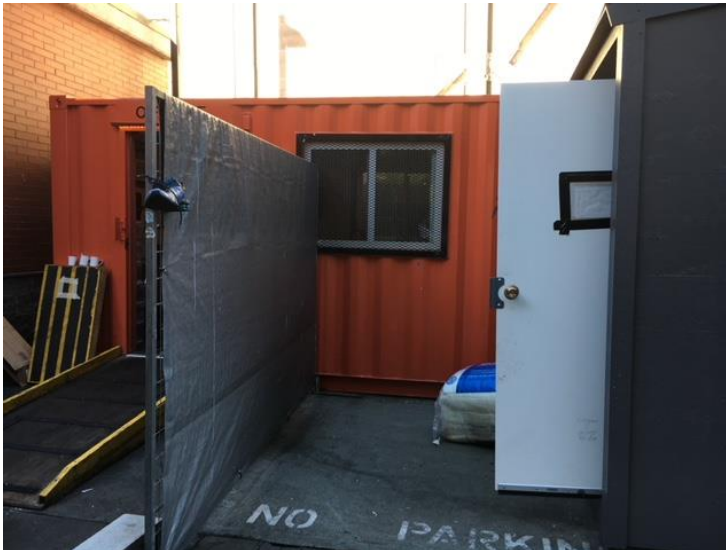


([Direct link](#) | Source: [Health Canada](#))

3 opiate assisted therapy sites: hydromorphone (3) + diacetylmorphone (1)
20+ supervised consumption sites (only 1 with safer inhalation)
20+ overdose prevention sites
20+ managed alcohol programs

OVERDOSE PREVENTION SITES (OPS)

- In British-Columbia (2016)
 - Spring: province declares public health emergency
 - Fall: 1st outdoors pop-up supervised injection sites open
 - December: ministerial order issued by the BC Minister of Health
 - Ex: 108,804 visits to 1 site (Dec 2016-Oct 9) = 255 ODs = 0 deaths



OVERDOSE PREVENTION SITES (OPS)

- In Ontario (2017)
 - Summer: Toronto opens OPS in Moss Park
 - Summer: Ottawa opens OPS in Raphael-Brunet Park
 - December: Health Canada gives exemption to open OPS in ON
 - January: OPS program launches
 - August: OPS program is put on hold (Conservative government)







Total number of visits

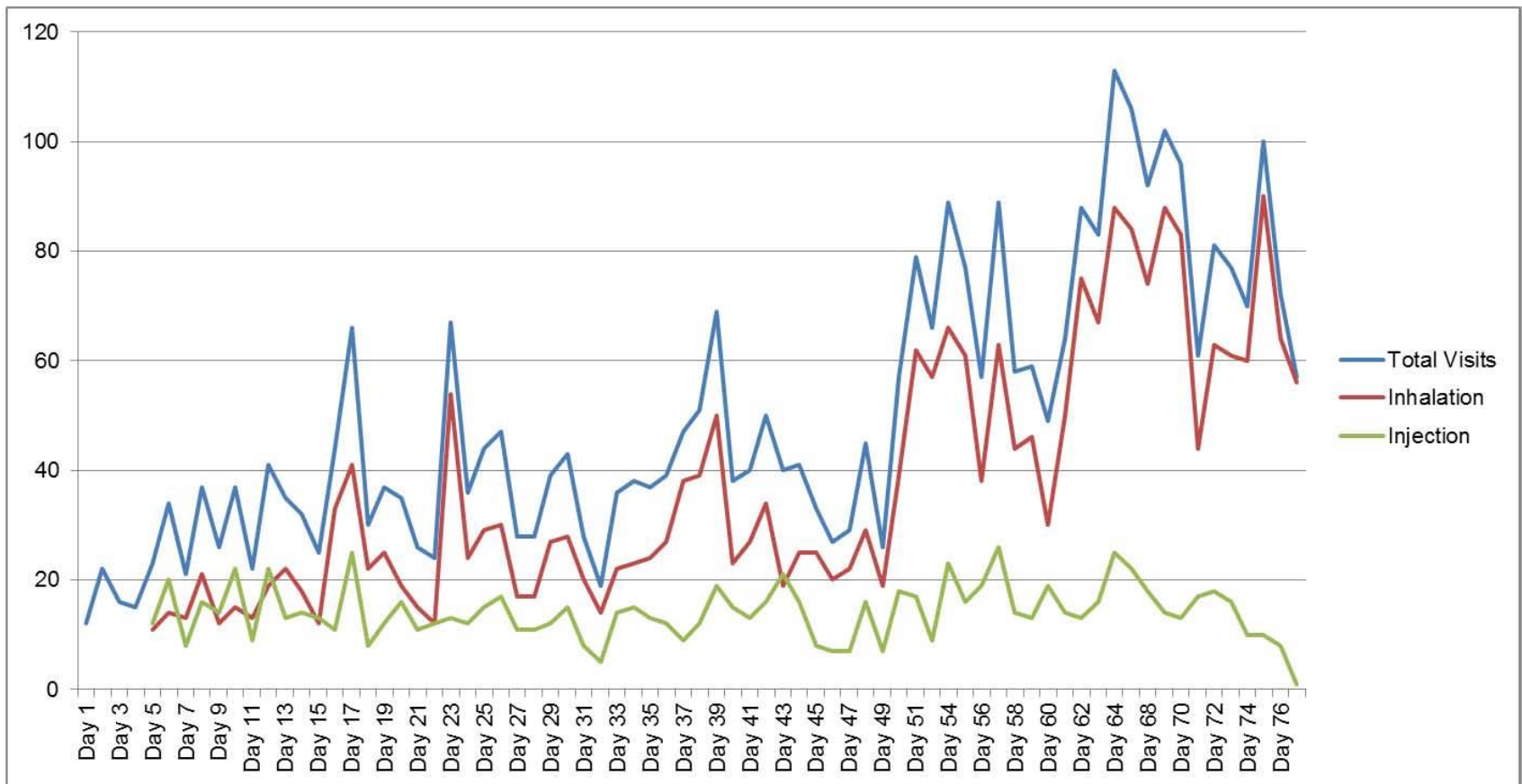
Total: 3667

Inhalation: 2616

Injection: 986

Day 52, 66, 67 do not appear in graph due to forced closure (weather)

Breakdown not recorded from day 1 to day 4



OVERDOSE PREVENTION SITES (OPS)

- Why they work?
 - Overdose prevention 101
 - Quick implementation
 - Peer-driven
 - Operate outside heavy bureaucratic structures
 - No barriers
 - Peer-based assisted injection possible

SUPERVISED CONSUMPTION SITES (SCS)

- Research to date (Potier et al., 2014; Kennedy et al., 2017)
 - ↓ overdose-related deaths (no death ever recorded in a site)
 - ↓ in syringe sharing / reuse
 - Safer injection practices including
 - ↑ use of sterile materials
 - Drug checking related to reduced doses
 - ↑ in condom use (Marshall et al., 2008)
 - Rapid care for skin and soft tissue infections
 - Safer space away from the dangers of drug scene (women)
 - ↓ blood-borne infections*
 - ↑ referrals and treatment initiation
 - ↑ access to care

SUPERVISED CONSUMPTION SITES (SCS)

- Research to date (Potier et al., 2014; Kennedy et al., 2017)
 - ↓ of people injecting in public
 - ↓ discarded syringes and needles
 - ↓ in complaints
 - No increase in crime, violence or drug trafficking
 - No ↑ drug-related offenses overs 10 years in Australia
 - Cost-effective (n=6)

In the present systematic review, we identified consistent, methodologically sound evidence demonstrating the effectiveness of SCS in achieving their primary health and public order objectives. Further, the available evidence does not support concerns regarding the potential negative consequences of establishing SCS, including that these promote drug use or attract crime.

(Kennedy et al., 2017 p.177)

SUPERVISED CONSUMPTION SITES (SCS)

- Number of deaths in SCS in the world

0

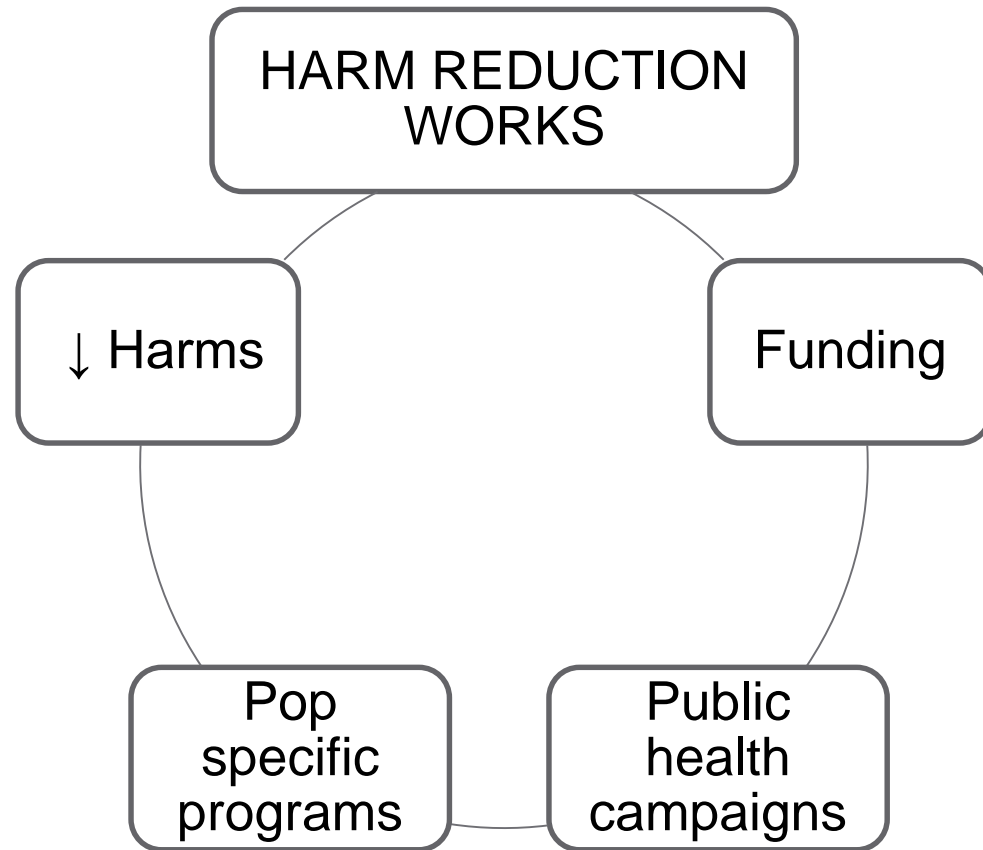
2. HARM REDUCTION IS STANDARD OF CARE

- Not limited to drugs
 - Diet
 - Smoking
 - Drinking
 - Sex
 - Sports
 - Driving
- Not limited to a particular space
 - Hospital : nicotine patches when patients are hospitalized
 - Community : housing for people who experience homelessness
 - Clinic : pre-exposure prophylaxis for people who have unprotected sex

2. HARM REDUCTION IS STANDARD OF CARE

- Not limited to a population
 - Children
 - Ex: school cafeteria programs
 - Teenagers
 - Ex: safer sex education and condom distribution
 - Young adults
 - Ex: energy drink and binge drinking education
 - Adults
 - Ex: seatbelts and helmets
 - Elderly
 - Ex: fall prevention programs

2. HARM REDUCTION IS STANDARD OF CARE



2. HARM REDUCTION IS STANDARD OF CARE

- Harm reduction is standard care except for people who use drugs
- If it was standard of care, they would be able to:
 - Access safer drugs
 - Including prescribed diacetylmorphine and hydromorphone
 - Test their drugs
 - Access the supplies they need to inject, smoke, snort
 - Access supervised consumption services
 - Use with peers in supportive housing facilities
 - Get help to inject (i.e., assisted injection)
 - Access supplies and use during their admission in a hospital
 - Access supplies and use during their incarceration
 - Receive the care and support instead of being criminalized

3. HARM REDUCTION IS NOT ENOUGH

- Harm reduction and treatment as part of a continuum of care
 - Harm reduction increases likelihood of starting treatment
 - Harm reduction increases demand for treatment
- Access to treatment is imperative
 - Rapid access (ex: rapid access addiction clinic)
 - Regulated
 - Not-for-profit
 - Evidence-based
 - Low-barrier
 - Peers
 - Housing
 - Transition time

REFLECTIONS



1. REDUCING HARMS IN A HARM INDUCING CONTEXT

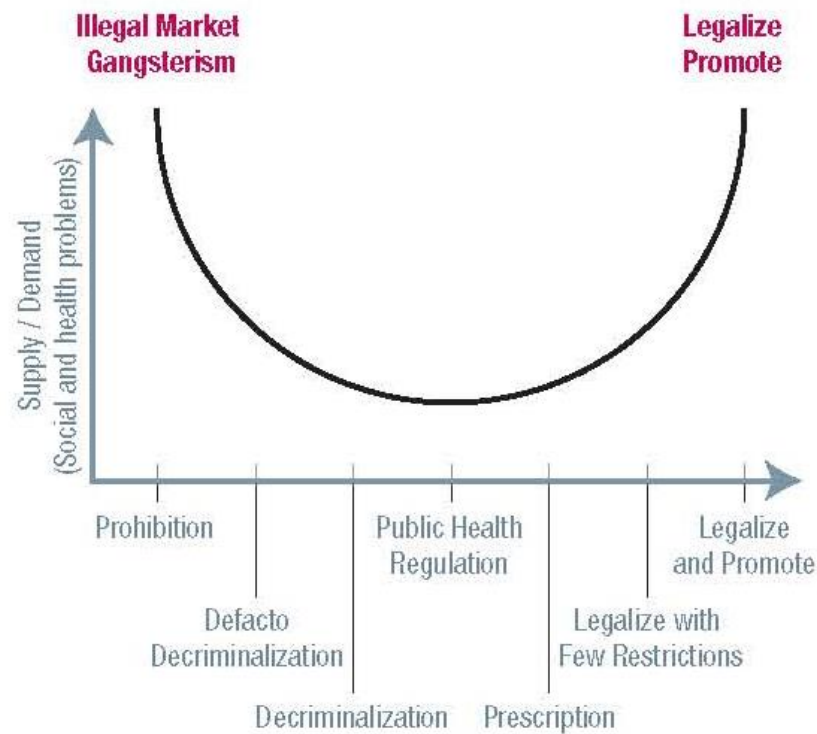
- Harm-inducing context
 - Not conducive to harm reduction
 - Barriers to care and services
 - Stigma and discrimination
 - Racism and oppression
 - Poor health and socioeconomic outcomes

In 2016, 73% of all drug arrests in BC were for drug possession

Source: Drug use, arrests, policing, and imprisonment in BC between 2015-2016 (2018)

1. REDUCING HARMS IN A HARM INDUCING CONTEXT

Figure 1:
Adapted from Marks
"The Paradox of
Prohibition"⁶



EXAMPLE: GOOD SAMARITAN LAW

- Became law on May 4, 2017
- Provides some legal protection for individuals who seek emergency help during an overdose
- Protects the person who seeks help, whether they stay or leave from the overdose scene before help arrives
- Also protects anyone else who is at the scene when help arrives

Suspect an
Overdose?
Stay and

CALL911

**Canada's new
Good Samaritan law
can protect you.**

Learn more at Canada.ca/Opioids
Together we can **#StopOverdoses**

 Government of Canada / Gouvernement du Canada

Canada

2. RESPONDING TO A TOXIC DRUG SUPPLY

- 72% of OD deaths in Canada related to fentanyl and analogues
- Example of the coroner report (Ontario)

Appendix 3: Detection of opioids in toxicology results of opioid-related deaths

Year	Jan to Apr 2017		May to July 2017		Aug to October 2017		Total Year to date 2017		2016	
	N	%	N	%	N	%	N	%	N	%
Total deaths	329		332		287		948		865	
Fentanyl*	164	50%	208	63%	196	68%	568	60%	352	41%
Carfentanil	4	1%	10	3%	25	9%	39	4%		
Furanylfentanyl			5	2%	1	0%	6	1%		
Para-fluorobutyryl					2	1%	2	0.2%		
Despropionyl fentanyl					1	0%	1	0.1%		
Cyclopropyl fentanyl					1	0%	1	0.1%		
Heroin	45	14%	46	14%	41	14%	132	14%	78	9%
U-47700	5	1%	23	7%	5	2%	33	3%		

2. RESPONDING TO A TOXIC DRUG SUPPLY

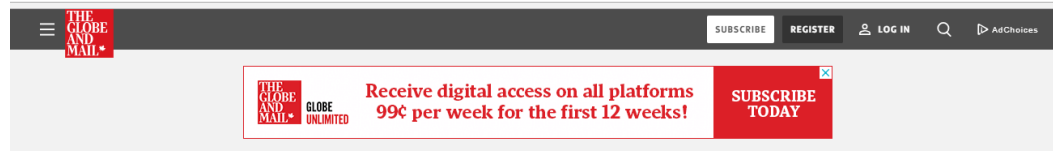
Table 2d. Number and percent of accidental apparent opioid-related deaths involving fentanyl or fentanyl analogues by province or territory, 2016 and 2017. ¹

Province or territory	2016		2017	
	Number	Percent	Number	Percent
British Columbia ²	656	67%	1174	84%
Alberta	352	64%	567	79%
Saskatchewan	8	11%	9	22%
Manitoba	32	46%	42	49%
Ontario	330	45%	743	68%
Quebec ²	30	22%	25	15%
New Brunswick	3	12%	8	24%
Nova Scotia	7	18%	6	10%
Prince Edward Island	1	20%	0	0%
Newfoundland and Labrador	Suppressed	Suppressed	Suppressed	Suppressed
Yukon	4	80%	5	83%
Northwest Territories	1	25%	0	0%
Nunavut	Suppressed	Suppressed	Suppressed	Suppressed
Total	1424	55%	2579	72%

Suppressed – Data may be suppressed in provinces or territories with low numbers of cases. Please see [Considerations and Limitations](#) for more information.

3. RESTRICTING OPIOIDS NOT THE SOLUTION

- “Opioid chill”
 - College of Physicians and Surgeons of BC
 - Cannot limit dosage opioids or refuse to prescribe (or refuse patients)



The screenshot shows the top navigation bar of The Globe and Mail website. It includes the logo on the left, and links for SUBSCRIBE, REGISTER, LOG IN, and Ad Choices on the right. Below the navigation bar is a promotional banner for digital access on all platforms for 99¢ per week for the first 12 weeks, with a 'SUBSCRIBE TODAY' button.

B.C. doctors can't limit opioids or discriminate against pain patients: college

CAMILLE BAINS
VANCOUVER
THE CANADIAN PRESS
PUBLISHED JUNE 6, 2018

British Columbia doctors treating patients with chronic pain will be required to prescribe opioids without limiting dosage or refusing to see patients who are on the medication that has come to be associated with illicit overdose deaths.

In revising an existing standard of practice, the College of Physicians and Surgeons of B.C. provided more clarity to doctors about their obligation to treat patients through proper assessments and documented discussions about dosage, tapering and stopping the drugs if necessary, college registrar Heidi Oetter said.

The new requirements, yet to be introduced to physicians, update a June 2016 standard that replaced national guidelines offering only recommendations and meant B.C. physicians became the first in Canada to face mandatory regulations involving prescription opioids.

The original standard was set after B.C. declared a public health emergency in April 2016 over a spike in overdose deaths, mostly involving the powerful painkiller fentanyl being cut into street drugs. The province still has the highest number of

TRENDING

- 1 Canada criticizes Saudi Arabia over another jailed female activist
- 2 While the planet burns, our politicians fiddle
- 3 With luck, maybe kids will learn fractions again: It's time Ontario education got back to basics
- 4 Liberals took steps to block Omar Khadr from celebration near Parliament Hill
- 5 Freeland 'extremely concerned' as Saudi Arabia seeks death sentence for female activist

THE GLOBE AND MAIL
REPORT ON BUSINESS
MAGAZINE

3. RESTRICTING OPIOIDS NOT THE SOLUTION

- “Opioid chill”
 - Pushing people who suffer from pain to street drugs



Pain sufferers turning to street drugs as B.C. doctors prescribe fewer opioids



Pain B.C. says new regulations on opioid prescriptions are having unintended side effects

Matt Meuse - CBC News - Posted: Jul 19, 2016 2:15 PM PT | Last Updated: July 19, 2016



Pain B.C. says new professional standards for opioid prescriptions are one reason why chronic pain sufferers are turning to street drugs to manage their pain. (The Canadian Press)

CONCLUSION

- Lessons learned
 1. Overdose deaths are preventable
 2. Harm reduction is standard of care
 3. Harm reduction is not enough
- Reflections
 1. Reducing harms in a harm-inducing context
 2. Responding to a toxic drug supply
 3. Restricting access to opioids is not a solution

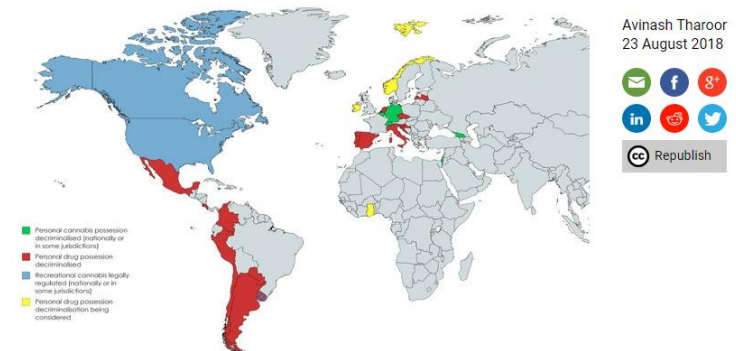
CONCLUSION

- As long as we criminalize drugs and people who use them, harm reduction will not work to its full potential
- The fact that we treat people who use drugs as criminals is a:
 - Barrier to prevention
 - Barrier to care
 - Barrier to life-saving services
 - Driver of harms
 - Physical, mental, economic, social
 - Driver of the current crisis

TALKING **DRUGS**

NEWS | DRUGS | ISSUES | REGIONS

Map: Drug Decriminalisation Around the World



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**HARM
REDUCTION
=
NURSING
CARE**

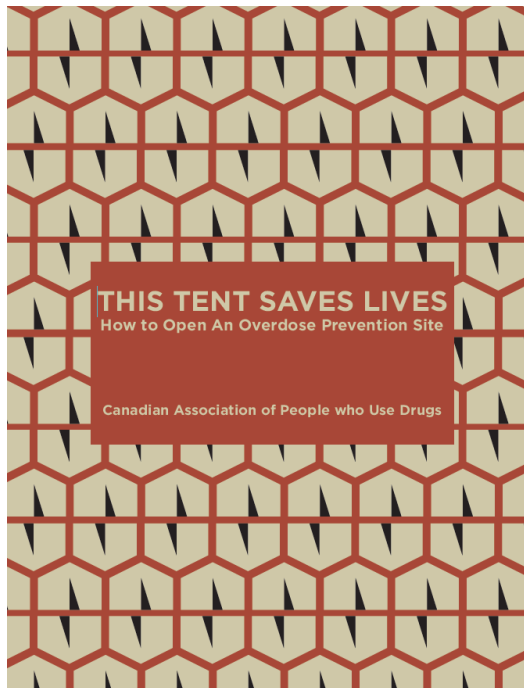


Facebook
@nurses4harmreduction

@hrna.aiirm
<http://www.hrna-aiirm.ca/>

OPS_Resources

- Overdose Prevention Site Manual (Vancouver Coastal Health, 2016)
- This Tent Saves Lives (CAPUD, 2017)
- Good Samaritans vs. Bureaucrats: Which side are you on? (Pivot Legal Society and the Canadian HIV/AIDS Legal Network, 2017)



VancouverCoastalHealth

Overdose Prevention Site Manual

2016

Overdose Prevention Sites (OPS) opened as part of the provincial response to the opioid overdose (OD) emergency on December 8, 2016 as ordered by the BC Minister of Health. OPS are fixed sites to which VCH provides clinical protocols, training and supplies to enable teams of peers, lay staff and in some instances clinical providers, to observe injections in a room that is integrated into an already existing social services setting. The primary goal is to provide a space for people to inject their previously obtained illicit substances, with sterile equipment, in a setting where trained OPS staff can observe and intervene in overdoses as needed. The OPS will last for the duration of the public health emergency.



PIVOT
equally it's everyone

Overdose prevention sites may be unsanctioned,
but do not presume they are illegal or illegitimate

GOOD SAMARITANS vs. BUREAUCRATS: WHICH SIDE ARE YOU ON?

Why "pop-up" overdose prevention sites are a legally justifiable and morally necessary response to the opioid overdose crisis and government inaction

Canada is in the middle of an ongoing crisis of opioid overdoses and related fatalities. In 2016, British Columbia recorded 978 overdose deaths; in the first half of 2017 alone, B.C. recorded 876 more lives lost.¹ In 2016, Ontario recorded 865 opioid-related deaths, up 19% over 2015—or 1 death every 10 hours.² By comparison, a death on Ontario's roadways occurred every 17 hours. In 2016, more than 2800 people in Canada died from an opioid overdose.³ Authorities and health workers fully expect deaths to increase again in 2017, as toxic fentanyl increasingly overwhelms the illegal drug market, and as there continues to be a chronic inadequacy of life-saving harm reduction programs and drug dependence treatment services.

Action by federal, provincial and municipal governments continues to fall far short of what is needed in the face of a worsening public health crisis. Despite urgent need for an expansion of interventions to reduce the risks of overdoses and fatalities, there continue to be deadly delays in granting federal ministerial exemptions for supervised consumption services under the *Controlled Drugs and Substances Act*, as well as unconscionable barriers to scaling up access to naloxone, an emergency medication that rapidly reverses opioid overdoses.

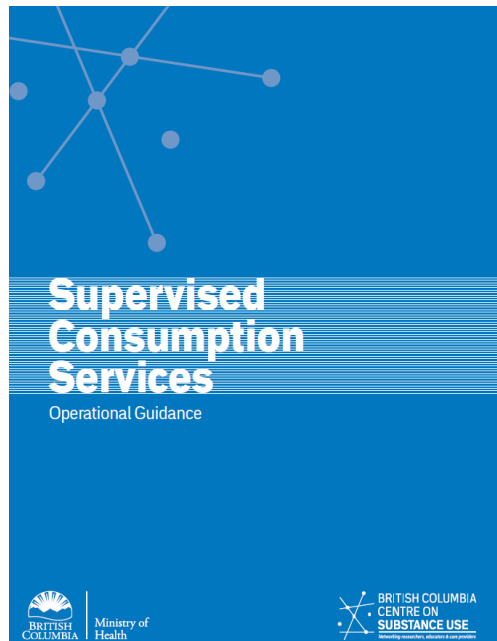
As our friends, family members and loved ones continue to die preventable deaths, concerned residents in various cities have organized a response where governments have so far failed to rise to the challenge; this has included the establishment of "pop-up" overdose prevention sites aimed at stopping the rising death toll. For example, in Ottawa, the community-led overdose prevention site at Raphael Brunet Park has had over 1,150 visits since it opened its doors on August 25th, with zero fatalities. Operators of the site are trained in overdose response and have created a low-barrier space that is well-used by people who may require assistance in the event of an overdose.

In some municipalities, political leaders have recognized the need for such interventions. Last year in B.C., in response to community volunteers setting up such sites, the Minister of Health declared a provincial public health emergency and later issued a ministerial order to provincial health authorities to establish overdose prevention services across the province.⁴ Unfortunately, other jurisdictions have not welcomed these civic initiatives. In Ottawa, the nation's capital, some city "leaders" have condemned the nurses, doctors, and community health workers (including peer volunteers with their own experience of drug use) who have stepped in to save lives. Moreover, they have misrepresented the life-saving work being done at these sites and have accused volunteers of irresponsible and illegal behaviour. Too often, the media has reported these simplistic criticisms without scrutiny or challenge. This panders to the stigma against people who use drugs that underlies not only the sluggish response to this health crisis, but the crisis itself.

It's time to challenge the deadly discrimination and the shameful conduct of politicians who insist that bureaucratic "business as usual" is more important than saving lives in an emergency.

SCS_GUIDELINES

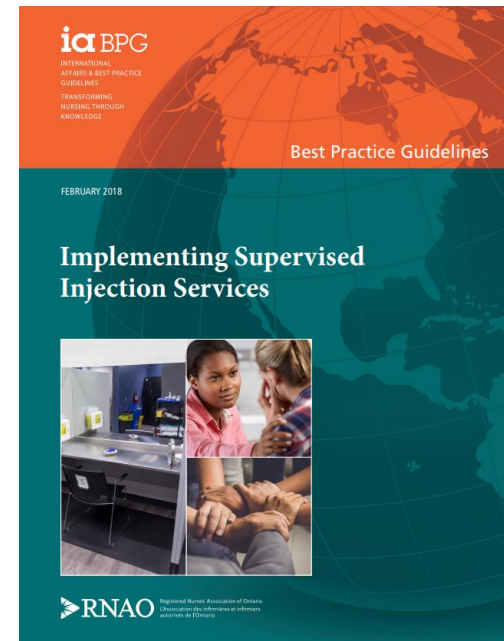
- Guidance on Community Consultation and Engagement Related to Implementation of Supervised Consumption Service (Dr. Peter Centre, 2017)
- Supervised Consumption Services: Operational Guidance (BCCSU, 2017)
- Implementing Supervised Injection Services (RNAO, 2018)



Guidance on Community Consultation and Engagement Related to
Implementation of Supervised Consumption Service

Prepared by the Dr. Peter Centre
July 7, 2017

Acknowledgements:
The Dr. Peter AIDS Foundation thanks the British Columbia Ministry of Health for supporting the development of this document, *Guidance on Community Consultation and Engagement Related to Implementation of Supervised Consumption Service*.



SCS_REVIEWS

- What is the effectiveness of supervised injection services? A Rapid Review (OHTN, 2014)
- Supervised injection services: What has been demonstrated? A systematic literature review (Potier et al., 2014)
- Public Health and Public Order Outcomes Associated with Supervised Drug Consumption Facilities: a Systematic Review (Kennedy et al., 2017)

Rapid Review #83: May 2014

Rapid Response Service

What is the effectiveness of supervised injection services?

Question
What is the effectiveness of supervised injection services?

Key Take-Home Messages

- The use of supervised injection services can lead to reductions in injecting behaviour and an increase in the number of clients accessing addiction treatment services.
- Supervised injection services can be cost saving when the analysis takes into account their capacity to reduce transmission of blood-borne diseases, namely HIV and HCV.
- People who inject at supervised injection sites feel safer than those who inject publicly.
- Overdose mortality and morbidity are reduced when clients inject at supervised injection sites. Clients who inject at supervised injection sites receive education on safer injecting practices that helps reduce injection-related morbidity.
- When nursing care is provided at supervised injection sites, clients access nursing services frequently.
- Supervised injection sites do not lead to any significant disruptions in public order or safety in the neighbourhoods where they are located.
- Supervised injection sites pose a few challenges based on their operating models and regulations: if capacity does not meet demand there may be long lines that dissuade some clients from injecting at the facility; there will still be times when clients have no choice but to inject elsewhere when facilities are not open 24 hours per day; 7 days a week, some clients cannot inject independently and will not use supervised injection services that prohibit assisted injections; and when facilities prohibit spitting or sharing drugs on site, some clients might be dissuaded.

EVIDENCE INTO ACTION
The OHTN Rapid Response Service offers HIV/HCV programs and services in Ontario quick access to resources evidence to help inform decision making, service delivery and advocacy in response to a question from the field. The Rapid Response Team reviews the scientific and grey literature, consults with experts, and prepares a brief fact sheet summarizing the current evidence and the implications for policy and practice.

Supervised Injection
Rapid Response Service: Rapid Response. What is the effectiveness of supervised injection services? Toronto, ON: Ontario HIV Treatment Network, May 2014.

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Drug and Alcohol Dependence

journal homepage: www.elsevier.com/locate/drugalcdep

Review
Supervised injection services: What has been demonstrated? A systematic literature review^a

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ARTICLE INFO

ABSTRACT

Keywords:
Supervised injection service
Safe injection facility
Supervised injection center
Drug consumption facility
Injection drug use

Introduction: Supervised injection services (SIS) have been developed to promote safer drug injection practices, enhance health-related behaviors among people who inject drugs (PWID), and connect PWID with external health and social services. Nevertheless, SIS have also been accused of fostering drug use and drug trafficking.

Aims: To systematically collect and synthesize the currently available evidence regarding SIS-induced benefits and harms.

Methods: A systematic review was performed on the published, peer-reviewed, and accessible literature using the keywords "supervised" OR "safer" AND "injection" OR "inject" OR "injector" OR "consumption" AND "facility" OR "center" OR "room" OR "unit" OR "center" OR "site".

Results: Seventy-five relevant articles were found. All studies converged in that SIS were efficacious in attracting the most marginalized PWID, promoting safer injection conditions, enhancing access to primary health care, and reducing the criminal frequency. SIS were also found to increase drug trading, drug trafficking or crime in the surrounding environment. SIS were found to be associated with reduced levels of public drug use and drug-related deaths. Of the articles, 60% reported from Vancouver or Sydney.

Conclusion: SIS have largely fulfilled their initial objectives without enhancing drug use or drug trading. Almost all of the studies found in this review were performed in Canada or Australia, whereas the majority of SIS are located in Europe. The implementation of SIS in places with high rates of injection drug use and associated harms appears to be supported by evidence.

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THE SCIENCE OF PREVENTION (D. STEKLER AND J. BAETEN, SECTION EDITORS)

Public Health and Public Order Outcomes Associated with Supervised Drug Consumption Facilities: a Systematic Review

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Abstract
Purpose of Review: Supervised drug consumption facilities (SCFs) have increasingly been implemented in response to public health and public order concerns associated with illicit drug use. We systematically reviewed the literature investigating the health and community impacts of SCFs.

Recent Findings: Consistent evidence demonstrates that SCFs mitigate overdose-related harms and unsafe drug use behaviors, as well as facilitate uptake of addiction treatment and other health services among people who use drugs (PWUD). Further, SCFs have been associated with improvements in public order without increasing drug-related crime. SCFs have also been shown to be cost-effective.

Summary: This systematic review suggests that SCFs are effectively meeting their primary public health and order objectives and therefore supports their role within a continuum of services for PWUD. Additional studies are needed to better understand the potential long-term health impacts of SCFs and how innovations in SCF programming may help to optimize the effectiveness of this intervention.

Keywords: Supervised drug consumption facilities · Supervised injection facilities · Illicit drug use · Harm reduction · Systematic review

Introduction
Illicit drug use remains a major global public health concern and, in particular, is a key driver of HIV/AIDS and overdose epidemics [1–4]. Public drug use and public disposal of syringes are also community concerns in various settings, particularly in inner-city neighborhoods [5]. In an effort to mitigate these challenges, supervised drug consumption facilities (SCFs) have been established in a number of cities worldwide [6, 7]. SCFs are healthcare facilities that provide sterile equipment and a safe and hygienic space for people who use drugs (PWUD) to consume pre-obtained illicit drugs under the supervision of nurses or other trained staff [7]. SCFs are also referred to as drug consumption rooms and include supervised injection facilities (SIFs), which accommodate people who inject drugs (PWID), and supervised inhalation rooms (SIRs), which

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