

Safer Supply 101

NOTE: the stats in this presentation should be updated monthly

June 15, 2023

Dr. Andrea Sereda MD, CCFP(EM)

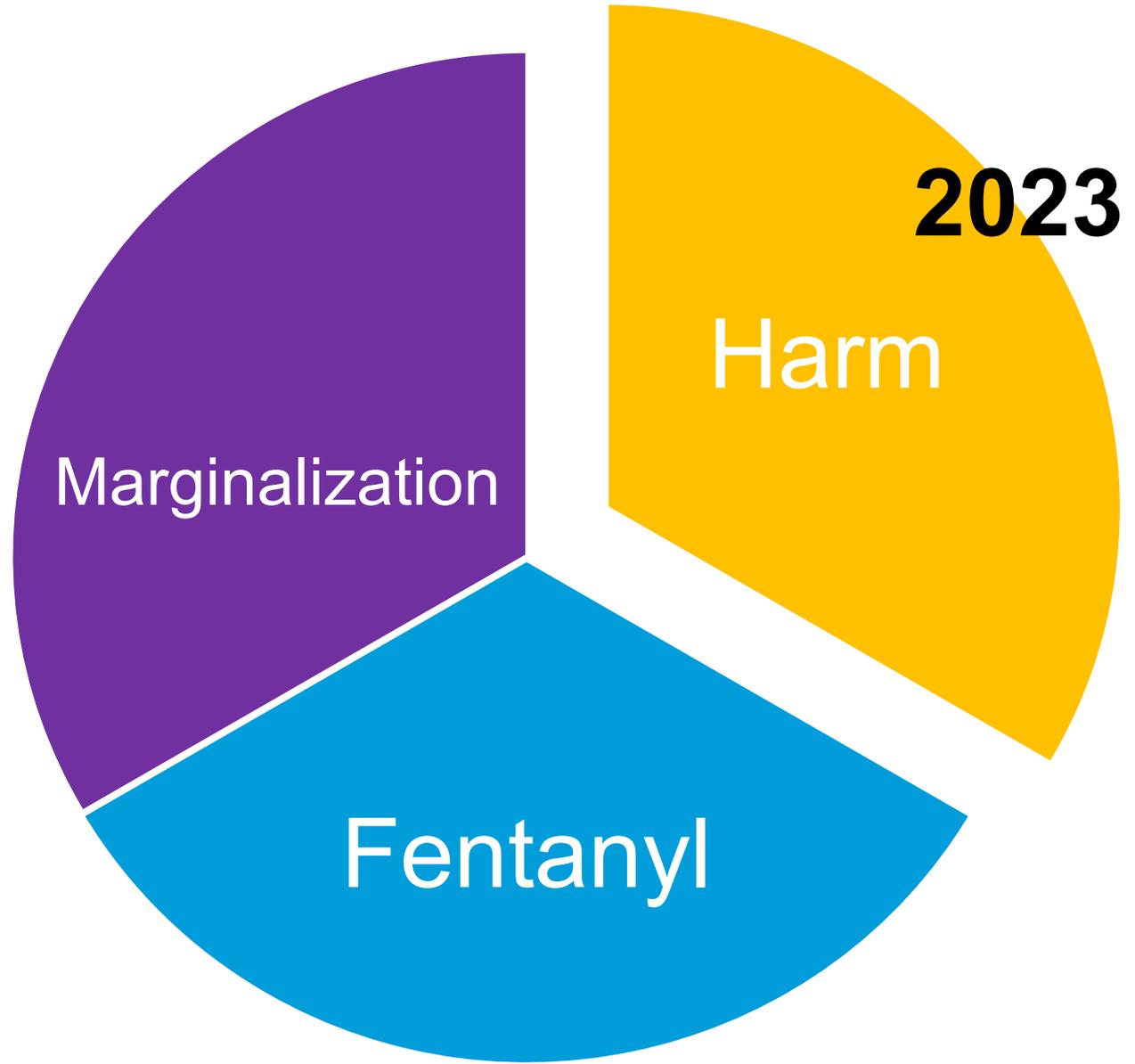
she/her



NICE PEOPLE TAKE DRUGS



2016



Canadian deaths in 7 years: 34445 +

Year	Canada	Ontario	Deaths per day
2016	44,090		
2017	Introduction. During the Second World War, approximately 1,159,000 Canadians and Newfoundlanders served. The number of deaths totalled		
2018	44,090. Oct 18, 2022		
2019	5011	1012	10.1
2020	6214	2600	17
2021	7902	2755	21.6
2022 Jan – Sept	5360	2521	> 90% due to fentanyl 21

Sarah Collins **Death Notification**

Dear Community Partners, It is with great sadness that we share with you that we have learned of the passing of [REDACTED] Community on January

Thu 2022-01-13 1:3... 133 KB



Sonja Sonnenberg **Death Notification**

Good Morning Community Partners,

Fri 2022-01-07 9:51 A... 217 KB



Mike Toth **RE: Death Notification**

Safety Notice - MSL Staff are provided, and expected to wear, the PPE that is suitable to prevent the spread of COVID-19, thank you for doing your part in keeping us all

Mon 2022-01-03 9:20... 152 KB



 **Jessica Manzara** ***PLEASE READ IN YOUR OWN TIME* End of Life Notification**

Hello amazing humans, Please see attached notifications. As always, please take care of yourself and each other Sending positive thoughts, Jessica Manzara

Fri 2021-12-17 4:08 P... 152 KB



Sonja Sonnenberg **Death Notification**

Hello Community Partners,

Fri 2021-12-17 3:53 P... 218 KB



Sonja Sonnenberg **Death Notification**

Dear Community Partners, It is with sadness Project Home is to inform you that [REDACTED] passed away in hospital on December 14, 2021

Thu 2021-12-16 4:49 ... 220 KB



 **Jessica Manzara** ***PLEASE READ IN YOUR OWN TIME* End of Life Notification**

Good morning team, Please see the attached notifications. As always, take care of yourself and each other. Sending positive thoughts, Jessica Manzara (She/her)

Tue 2021-12-14 9:38 ... 177 KB



Chantelle McDona... **Death Notification**

Dear Community Partners, I am saddened to have to inform you that Fra [REDACTED] in hospital December 9, 2021. Frankie was a feisty soul that

Fri 2021-12-10 3:02 P... 142 KB



Chuck Lazenby **Notification of Death**

Dear Community Partners,

Fri 2021-12-10 11:35 ... 115 KB



Chuck Lazenby **Notification of Death**

Dear Community Partners,

Thu 2021-12-09 9:04 ... 121 KB



Lane, Elle **Death Communication**

Dear Community Partners, It is with great sadness that we share with you that [REDACTED] has passed on November 22, 2021. His death has been

Tue 2021-11-23 3:42 ... 150 KB



Sonja Sonnenberg **Confirmation of Death**

Hello Community Partners Project Home can confirm the passing of Mich [REDACTED] November 17, 2021. This information was

Fri 2021-11-19 10:31 ... 219 KB



Chantelle McDona... **Rumor Death**

Hi all, We have received multiple community calls that [REDACTED] passed away. I have not been able to verify this with LPS yet

Fri 2021-11-19 9:54 A... 132 KB



Chantelle McDona... **Death Notification**

It is with a heavy heart that I announce the passing of Anthony Stuijbergen. Anthony (1955-02-22) passed away on November 6, 2021, his death has been confirmed

Fri 2021-11-19 9:50 A... 140 KB



Death Notices

Every One Matters.

Sarah Collins	Death Communication	Thu 2021-11-04 8:50 ...	136 KB	<input type="checkbox"/>
Dear Community Partners, It is with great sadness that we share with you that [REDACTED] as passed away at The Centre of Hope				
Megan Van Bohee...	RE: Confirmation of Death	Fri 2021-10-22 1:55 P...	190 KB	<input type="checkbox"/>
Good afternoon, We have received updated information about memorial arrangements [REDACTED] his partner's permission, please share this information				
Megan Van Bohee...	Confirmation of Death	Tue 2021-10-19 5:34 ...	216 KB	<input type="checkbox"/>
Dear Community Partners, Regretfully, we wish to inform you that [REDACTED] has passed away. We are able to confirm his death with the				
Alison Wrighton	RE: Confirmation of Death	Tue 2021-10-19 9:23 ...	982 KB	<input type="checkbox"/>
Good Morning Community Partners, With sadness I share that [REDACTED] passed away on 09/25/2021. Mateo briefly accessed				
Megan Van Boh...	Confirmation of Death	Mon 2021-10-18 10:...	212 KB	<input type="checkbox"/>
Dear Community Partners, Regretfully, we wish to inform you that [REDACTED] ay. He is a known member of the community we				
	Jessica Manzara	**PLEASE READ IN YOUR OWN TIME** End of Life notification	Wed 2021-10-13 9:09...	207 KB <input type="checkbox"/>
Good morning folks, Please read the attached notification. As always, please take care of yourselves and each others. Sending positive thoughts, Jessica Manzara				
Chantelle McDona...	Notification of a Participant Death	Wed 2021-10-13 9:06...	133 KB	<input type="checkbox"/>
Dear Community Partners, I regret having to inform you that we have received confirmation [REDACTED] passed away in his unit. London				
Chantelle McDona...	Notification of Death	Thu 2021-10-07 9:44 ...	138 KB	<input type="checkbox"/>
Dear Community Partners, I regret having to inform you that we have received confirmation [REDACTED] passed away on Monday. London				
Lily Bialas	Notification of Death	Wed 2021-10-06 5:10...	222 KB	<input type="checkbox"/>
Dear Community Partners, I regret having to inform you that we have received confirmation [REDACTED] passed away. The coroner's				
	Jessica Manzara	**PLEASE READ IN YOUR OWN TIME** End of Life Notification	Tue 2021-10-05 9:03 ...	140 KB <input type="checkbox"/>
Good morning folks, Please see the attached notifications.				
Sarah Collins	Death Communication	Tue 2021-10-05 8:48 ...	133 KB	<input type="checkbox"/>
Dear Community Partners, It is with great sadness that we share with you [REDACTED] d away at The Centre of Hope, his death has				
	Lorraine Stuyt	LHC Death Communication Protocol - Bimonthly Reminder & MEMORIAL EVENT 2021	Fri 2021-10-01 9:08 P...	1 MB <input type="checkbox"/>
Hello Community Partners, It is that time again when we are planning for the LHC Memorial Event that has been happening for the past several years on World				
	Jessica Manzara	**PLEASE READ IN YOUR OWN TIME** End of Life Notifications	Wed 2021-09-29 9:45...	180 KB <input type="checkbox"/>
Hey folks, Please see attached death notifications. Apologies for sending out late. As always, please take care of yourselves and each other. Sending positive				
Jason Manseau	Notice of Death	Mon 2021-09-27 3:07...	149 KB	<input type="checkbox"/>

Sarah Collins	Death Notification	Sun 2021-08-15 10:...	128 KB	<input type="checkbox"/>	
Dear Community Partners, Regretfully, we wish to inform [REDACTED] way in hospital this weekend (August 14, 2021). This was					
Jaelyn Seeler	Passing of Community Member	Thu 2021-08-12 12:0...	138 KB	<input type="checkbox"/>	
Good Morning,					
	Jessica Manzara	FW: *PLEASE READ IN YOUR OWN TIME- End of Life Notification*	Fri 2021-07-16 4:19 P...	89 KB	<input type="checkbox"/>
Jessica Manzara Care Facilitator Health Outreach Team London InterCommunity Health Centre < http://www.lihc.on.ca/ > 519-660-0874ext1329					
Megan Van Bohee...	Confirmation of Death	Fri 2021-06-25 10:20 ...	504 KB	<input type="checkbox"/>	
Dear Community Partners, Regretfully, we wish to inform you that the individual [REDACTED] has passed away. This information					
Sonja Sonnenbe...	Passing of a Participant	Mon 2021-06-21 12:...	197 KB	<input type="checkbox"/>	
Hello, It is with sadness we report the passing of [REDACTED]. Project Home was notified by the property manager at his					
	Jessica Manzara	*PLEASE READ IN YOUR OWN TIME- End of Life Notification*	Mon 2021-06-21 10:...	145 KB	<input type="checkbox"/>
Hi folks, Please see the attached document. As always, take good care of yourselves and each other. Sending positive thoughts, Jessica Manzara (She/her) Care					
Ben Cunningham	Passing of Community Member	Mon 2021-06-21 10:...	112 KB	<input type="checkbox"/>	
With sadness we report the passing [REDACTED] reported by Unity Project for many years in a number of different capacities. He					
	Jessica Manzara	FW: **PLEASE READ IN YOUR OWN TIME** End of Life Notification	Tue 2021-06-15 4:05 ...	143 KB	<input type="checkbox"/>
Hi folks, Please see attached document. As always, take care of yourselves and each other. Sending positive thoughts, Jessica Manzara (She/her) Care Facilitator					
	Jessica Manzara	**PLEASE READ IN YOUR OWN TIME** End of Life Notification	Thu 2021-06-10 3:3...	150 KB	<input type="checkbox"/>
Hi folks, Please see the attached document. As always, take good care of yourselves and each other. Sending positive thoughts, Jessica Manzara (She/her) Care					
	Lorraine Stuyt	LHC Death Communication Protocol - Contact List Update & Compounded Grief	Mon 2021-06-07 11:2...	158 KB	<input type="checkbox"/>
Hello again community partners, Please note that a request has been submitted by London CAREs to include Chantelle McDonald as a designate for the Death					
Rhonda Bates	LHC Death Communication Protocol	Tue 2021-06-01 2:43...	125 KB	<input type="checkbox"/>	
Community Partners, Sadly we have another conformati [REDACTED] Memorial information.					
Sarah Collins	LHC Death Communication	Mon 2021-05-31 8:56...	147 KB	<input type="checkbox"/>	
Dear Community Partners, It is with great sadness that we share with you that we were informed of the pas [REDACTED] was					
Jessica Manzara	EOL Notifications- NEW PASSWORD	Mon 2021-05-31 12:0...	143 KB	<input type="checkbox"/>	
Hey Team, Hope you all had a great weekend; I wanted to send out an update to our current internal process for end of life notifications. After seeing Health					
	Jessica Manzara	**PLEASE READ WHEN READY** End of Life Notification	Wed 2021-05-26 5:1...	153 KB	<input type="checkbox"/>



Death Notices

Every One Matters.

Edgar

Morgan

Moose

Cecilia

Lee-Roy

Robbie

Brandon

Paulina

Lawrence

Myriam

Chad

Robert

Joey

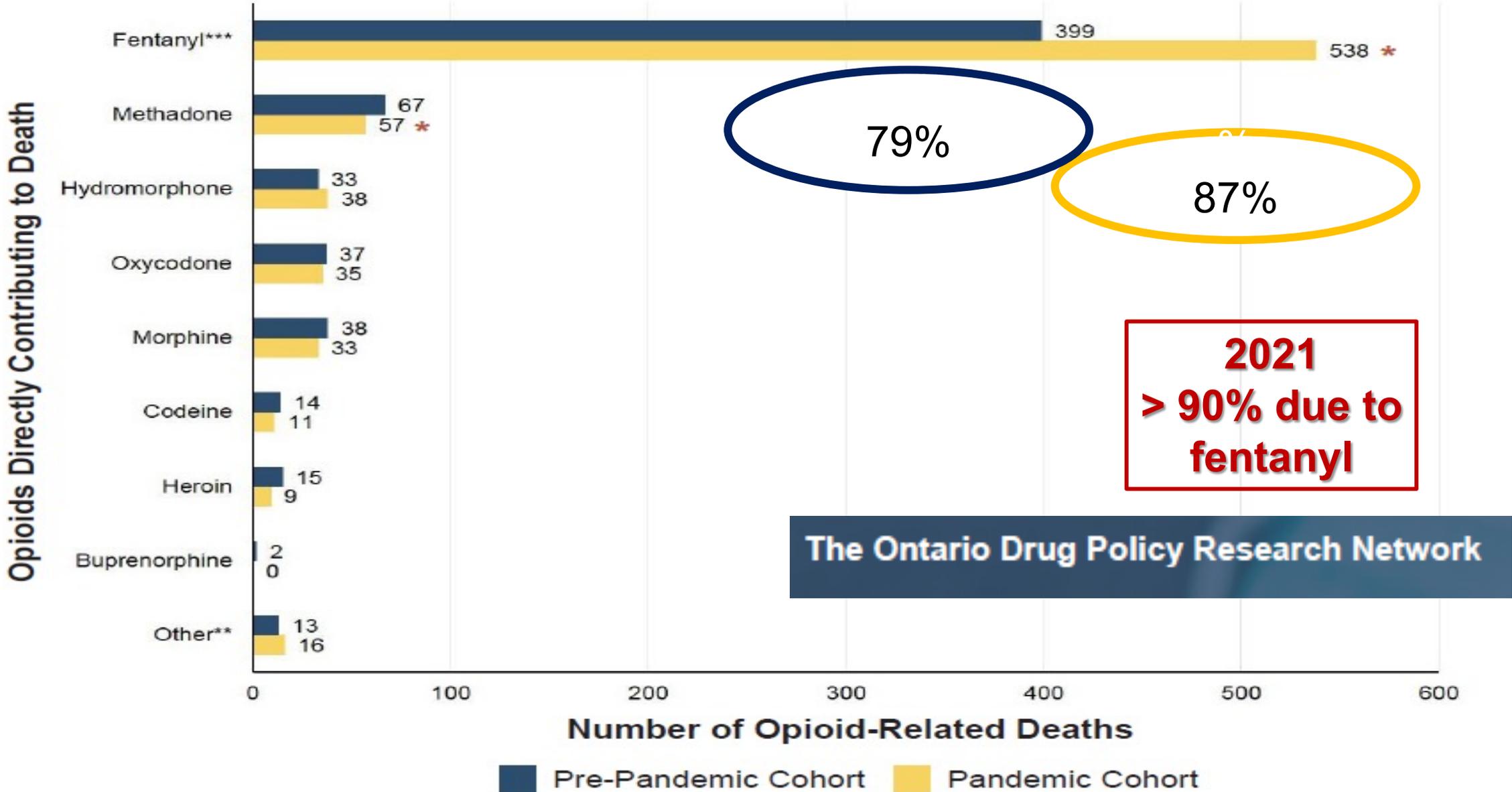
Desmond

Mikey

Lorraine

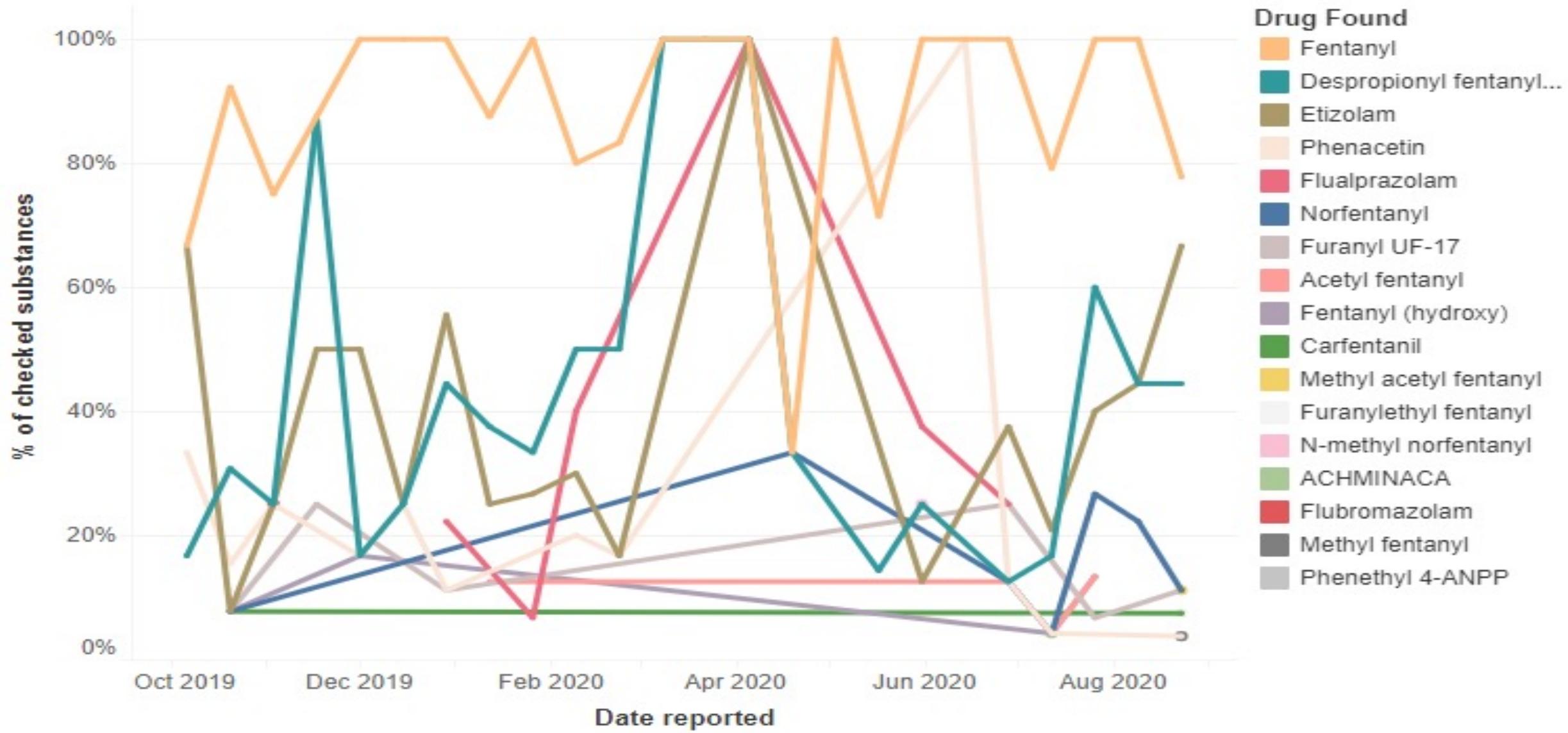
Donnie

Opioids directly contributing to opioid-related deaths in Ontario



Fentanyl and unexpected noteworthy drugs found in expected fentanyl substances over time

Expected Drug
Fentanyl



SR1377 = C033122 = 77% fentanyl !! This was the one that you tested at LIHC - they didn't detect the methadone or buprenorphine

SR1375 = C2033122 = mostly meth, very small amount of fentanyl

SR1384 = C3033122 = 16% fentanyl, also small amounts of meth

SR1388 = C4033122 = mostly meth, very small amount of fentanyl

SR1393 = C5033122 = 28% fentanyl



Expected fentanyl substances containing fentanyl and other drugs (24)

Time Period

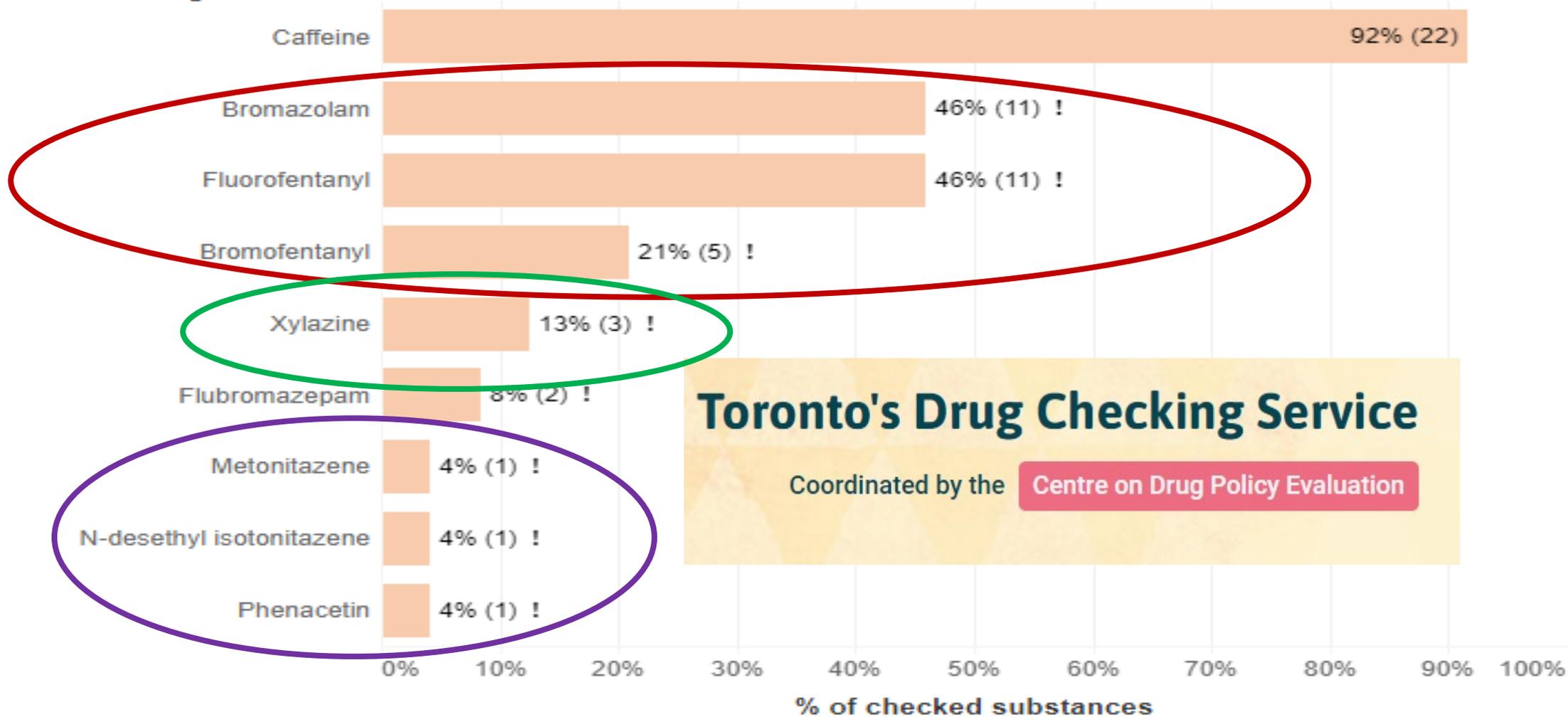
92. Apr 8 - 21, 2023



Expected Drug

Fentanyl

Drug Found



Toronto's Drug Checking Service

Coordinated by the

Centre on Drug Policy Evaluation

Health - Analysis

'Tranq dope': Dangerous animal tranquilizer spreading in Canada's street drugs



Xylazine can cause extended blackouts, horrific wounds that may lead to amputation



Adam Miller, Alison Northcott - CBC News -

Posted: Mar 23, 2023 4:00 AM EDT | Last Updated: March 23

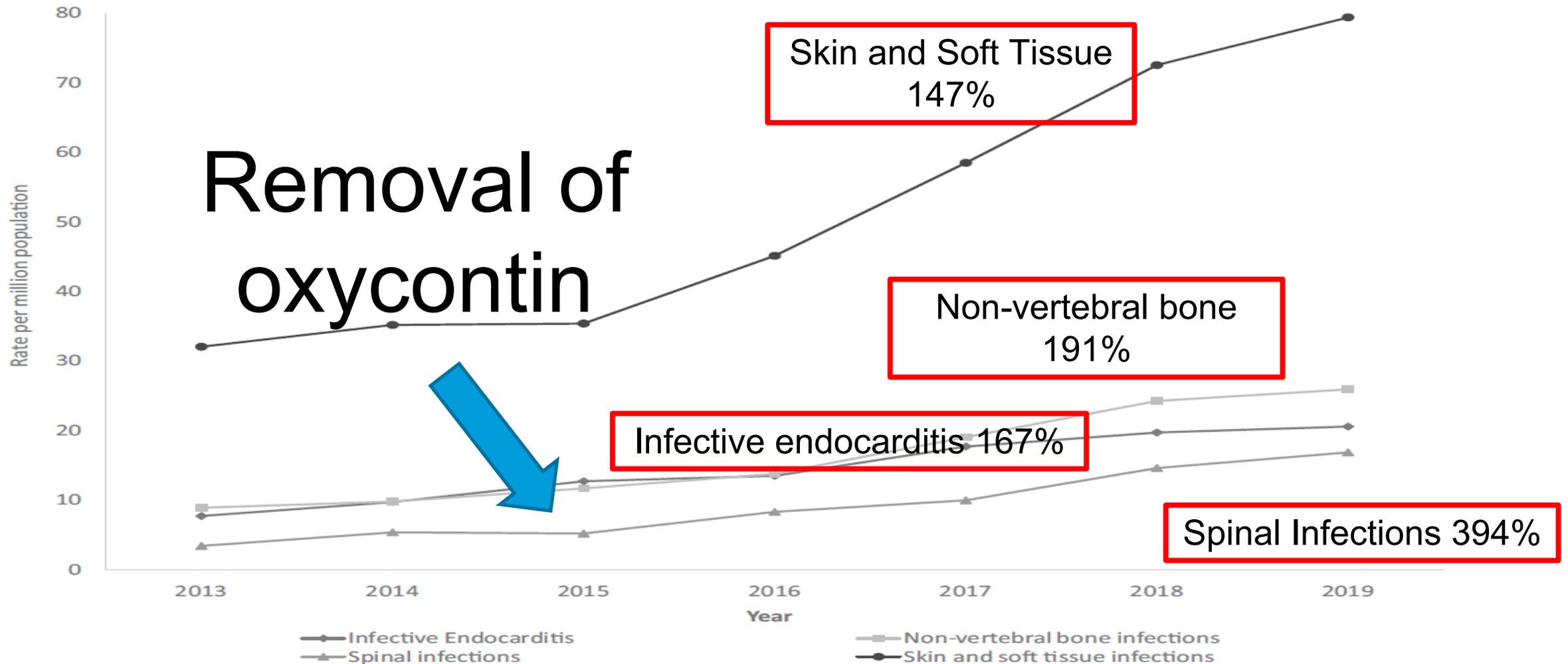


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Trends in Hospitalizations for Serious Infections Among People With Opioid Use Disorder in Ontario, Canada

Tara Gomes, PhD, Sophie A. Kitchen, MSc, Lauren Taylor, PharmD, Siyu Men, MSc, Regan Murray, MPH, Ahmed M. Bayoumi, MD, Tonya Campbell, MSc, Samantha Young, MD, and Gillian Kolla, PhD



Emerging issues

Increased community tolerance

- Prior to 2020, fentanyl use measured in points (0.1g)
- 2016-2019, average daily fentanyl use in London was 1-5 points
- Post March 2020, average daily use is measured in full grams, often ½ ball to full ball (1.7 – 3.5G, 17-35 points)
- High users may use multiple balls per day, even up to an ounce

1 point FYL =
0.1g = 100mg

Median purity
4.4%

1 point =
4.4mg =
4400mcg FYL

1 point =
MEQ

**164 - 656
percocets
PER DAY**

Avg daily use
5-20 points

Avg daily
MEQ 2200 -
8800



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Fentanyl has changed the status quo



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SAFE SUPPLY

CONCEPT DOCUMENT

February 2019



Safer Supply Guiding Principles

People who use drugs are experts

People who use drugs are knowledgeable about the culture of drug use and their own goals and needs. Collaborating with people who use drugs is critical to developing successful programs and strategies to address the overdose crisis. Their expertise should guide the development, implementation, and evaluation of Safer Supply programs.

Participant-led and participant-centred care delivery

The program will aim to support people to meet their current goals for drug use in the safest way possible. Our aim is to provide compassionate and equitable health care to people who use drugs.

Harm reduction

The program recognizes that drug-related harms stem from several different sources, including from criminalization. It aims to reduce some of the harms associated with drug use by providing a safer drug supply. Clinicians will respect people's autonomy and choices around drug use and accessing healthcare.

Canadian Association of People who Use Drugs®
#SAFESUPPLY CONCEPT DOCUMENT

PLEASE TAKE AS NEEDED USE TO PREVENT OVERDOSE DEATH MADE IN CANADA

CAPUD.CA

What is Safer Supply?

- NOT addiction treatment program
- Extension of harm reduction



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

- Goal is to replace contaminated street drugs with prescription alternatives
- Catalyst for engagement with housing and healthcare

Why hydromorphone IR?

RESEARCH ARTICLE

A controlled-release oral opioid supports *S. aureus* survival in injection drug preparation equipment and may increase bacteremia and endocarditis risk

Katherine J. Kasper¹, Iswarya Manoharan², Brian Hallam³, Charlotte E. Coleman¹, Sharon L. Koivu⁴, Matthew A. Weir^{2,5}, John K. McCormick^{1,5} , Michael S. Silverman^{1,2,5,6} *

1 Department of Microbiology and Immunology, Western University, London, Canada, 2 Department of Medicine, Western University, London, Canada, 3 Department of Epidemiology and Biostatistics, Western University, London, Canada, 4 Department of Family Medicine, Western University, London, Canada, 5 Lawson Health Research Institute, London, Canada, 6 Division of Infectious Diseases, Western University, London, Canada



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Program Doses – 2016-2019

Hydromorphone

- Dose range: 2-30 tabs D8
- Average dose: 116 mg (14.5 tabs)
- Median dose: 128 mg (16 tabs)

DOT Kadian (38 patients)

- Dose range: 20-1,000 mg
- Average dose: 270 mg
- Median dose: 300 mg

Program Doses – 2020 and beyond

Hydromorphone

- Dose range: 2-30 tabs D8
- Most people use 4-5 tabs in a shot

DOT Kadian/ M-eslon/Methadone

- Dose range: 100-1800 mg
- Now do concurrent hydromorphone and Kadian starts

SOS program statistics

CLIENTS



APRIL 1,
2020

152 new clients enrolled
16 clients no longer enrolled

94% overall retention

131 women
116 men
1 trans person



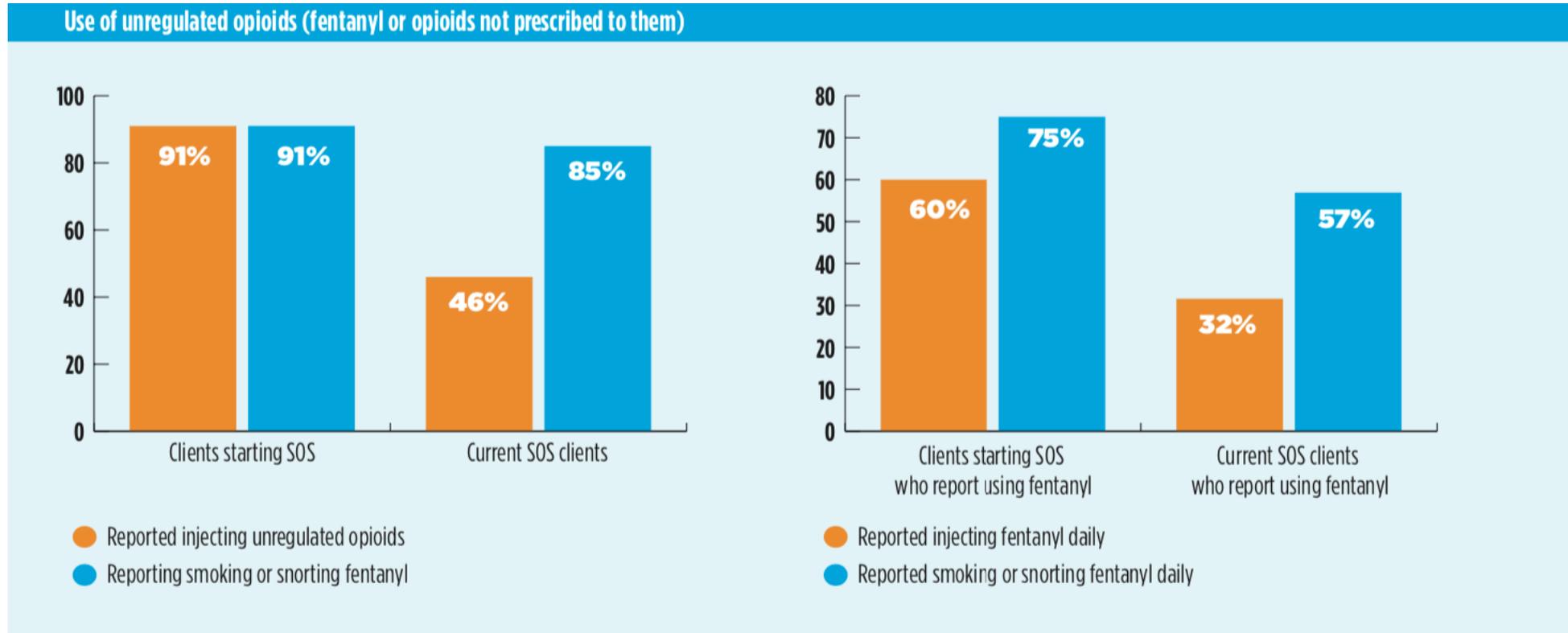
SEPTEMBER 30,
2021

20,323 encounters by SOS clients
with the health care team



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

Use of unregulated opioids



35% of current SOS clients reported they were no longer injecting drugs at all.

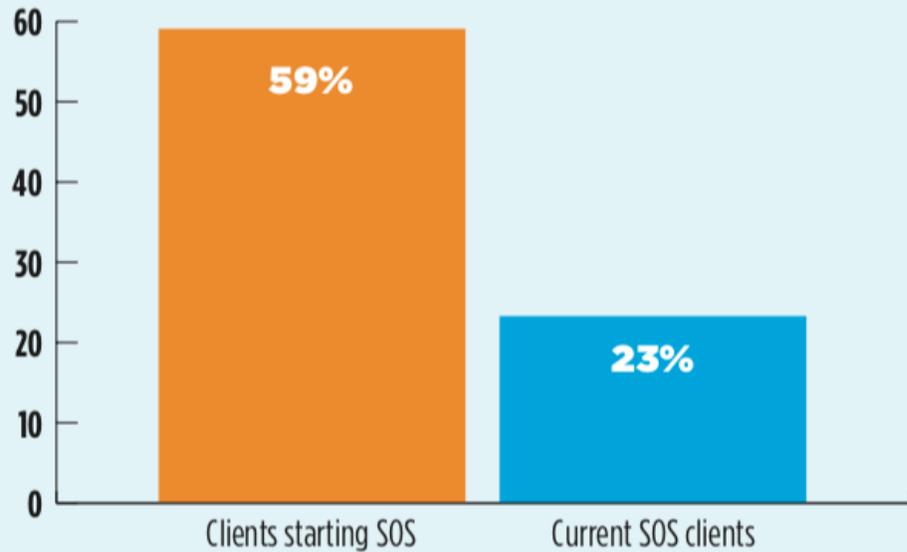


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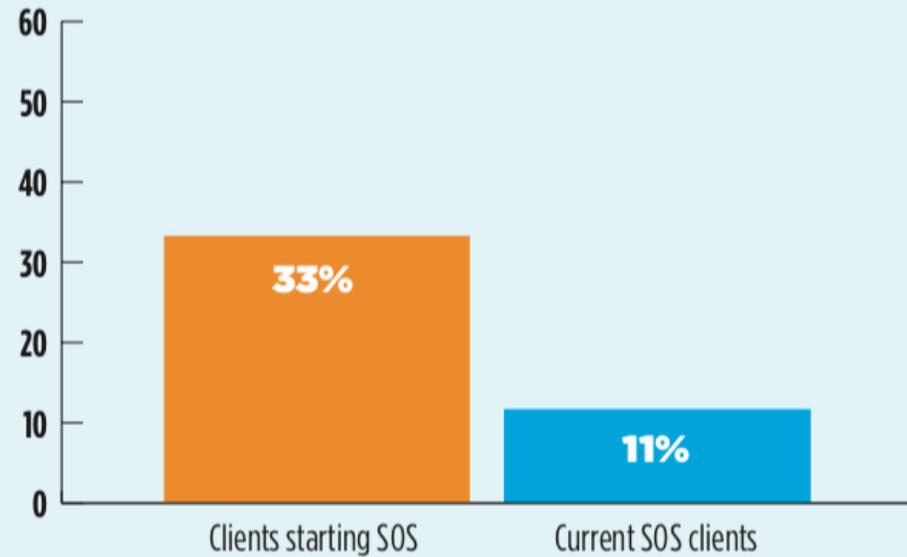
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Overdose

Overdose within the past 6 months



Overdose in the last month

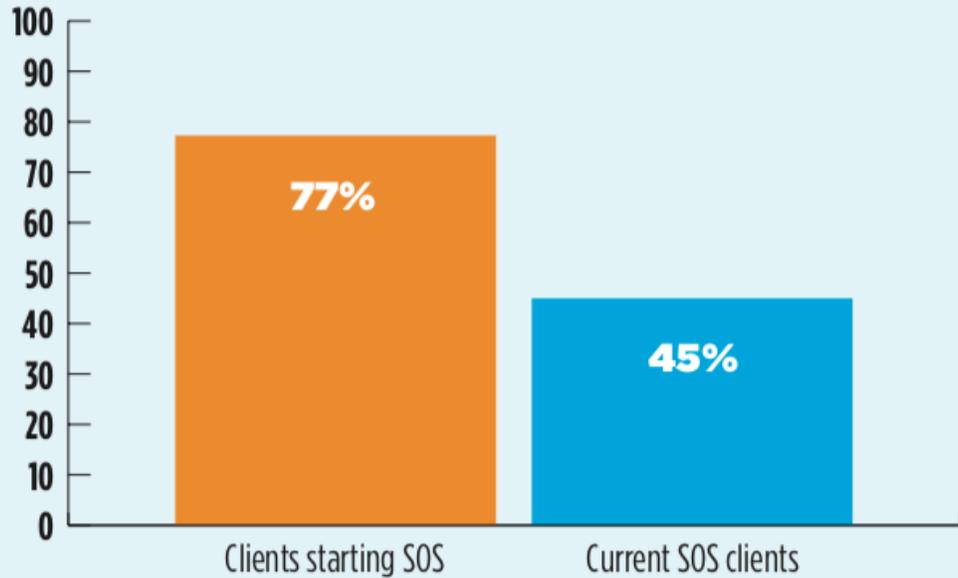


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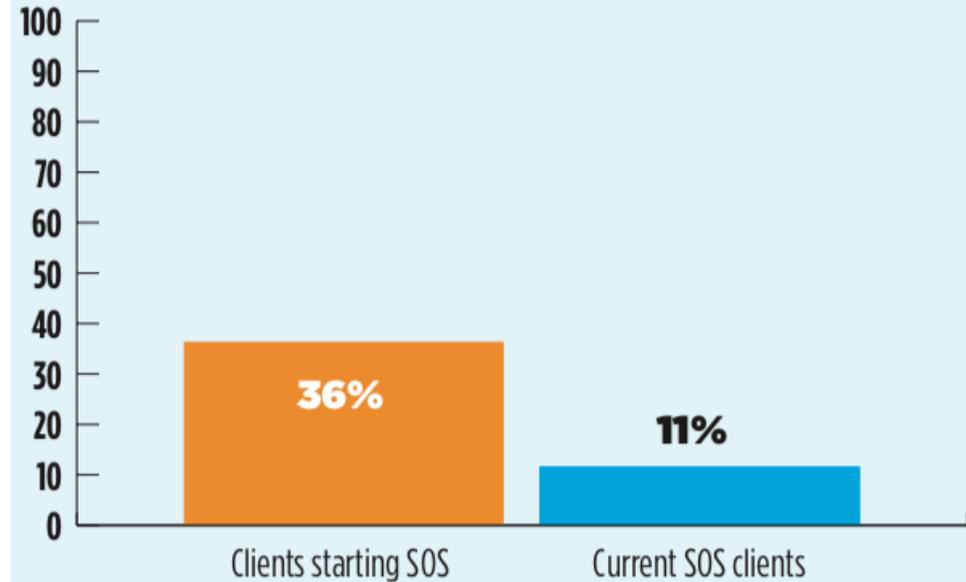
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Health Services Use

Emergency department visit in the last 6 months

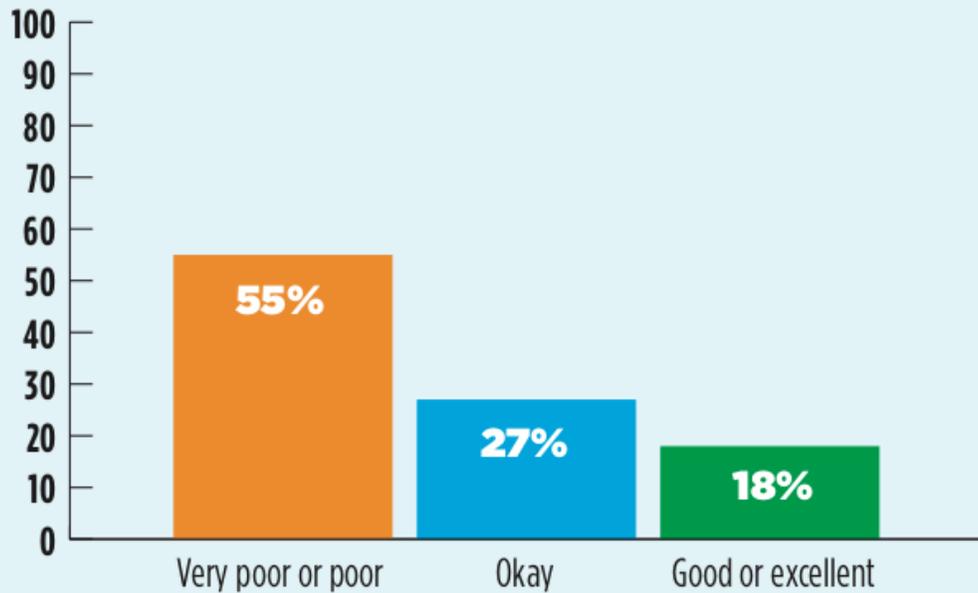


Hospitalized for at least one night in last 6 months

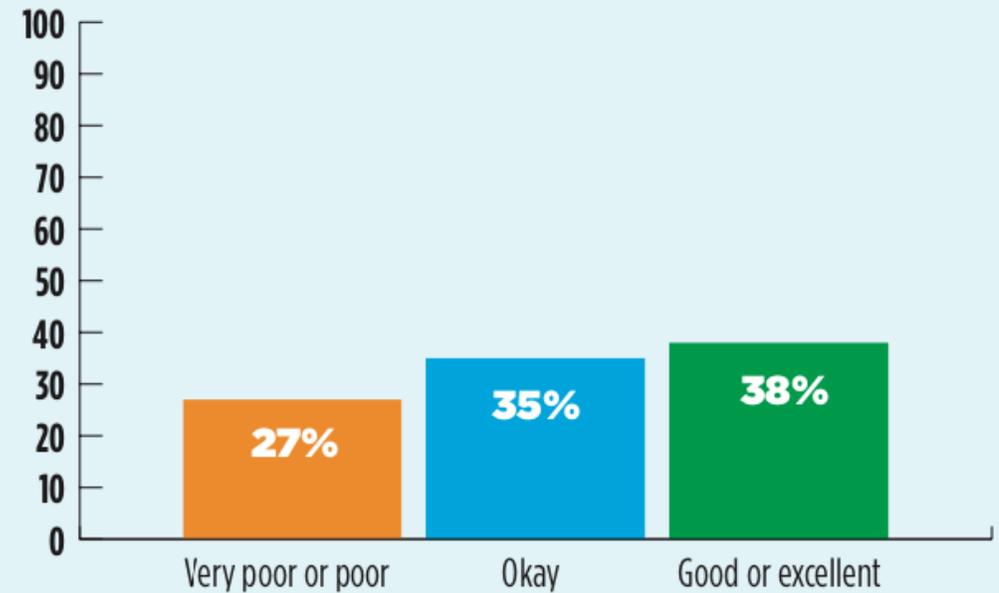


Physical Health

Clients starting SOS stated their physical health was:

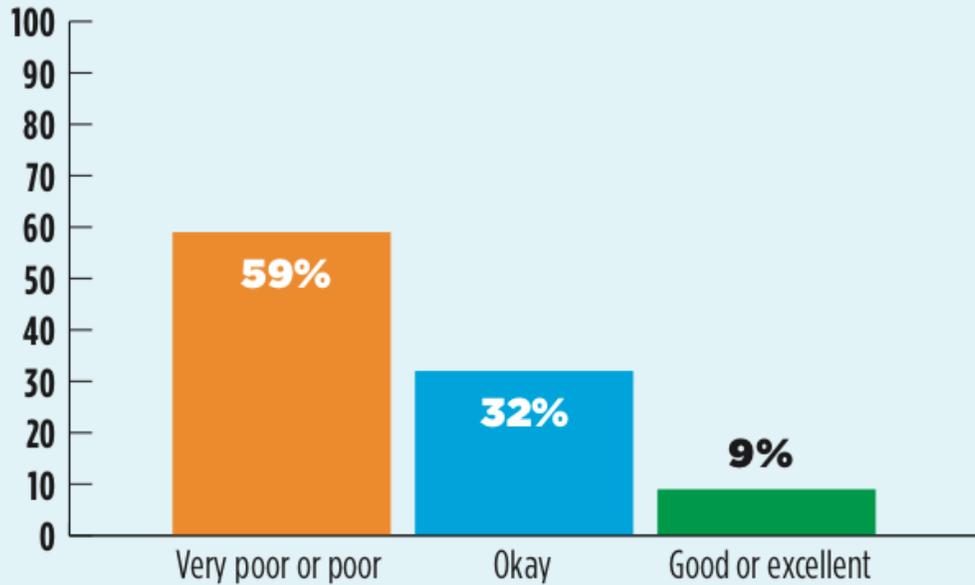


Current SOS clients stated their physical health was:

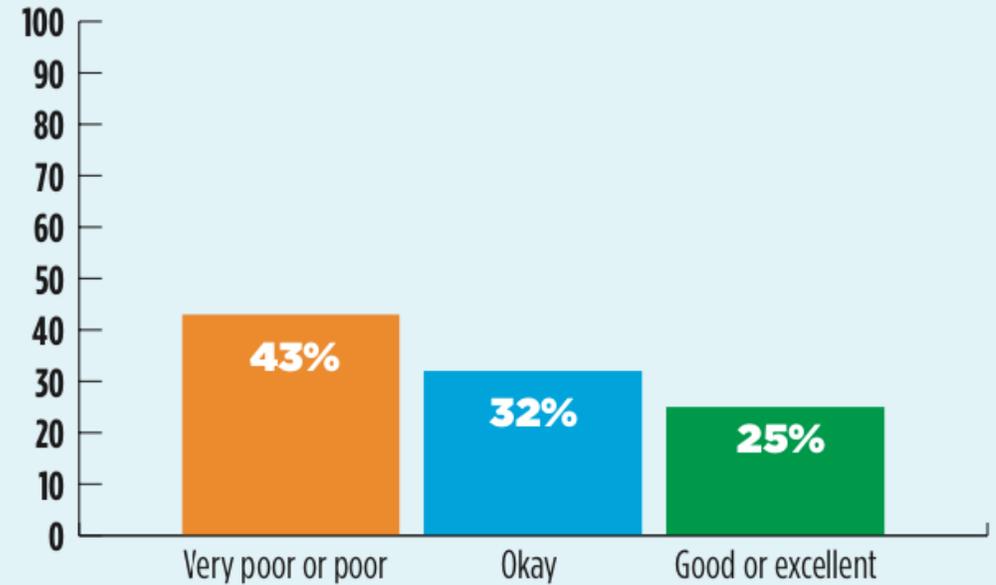


Mental Health

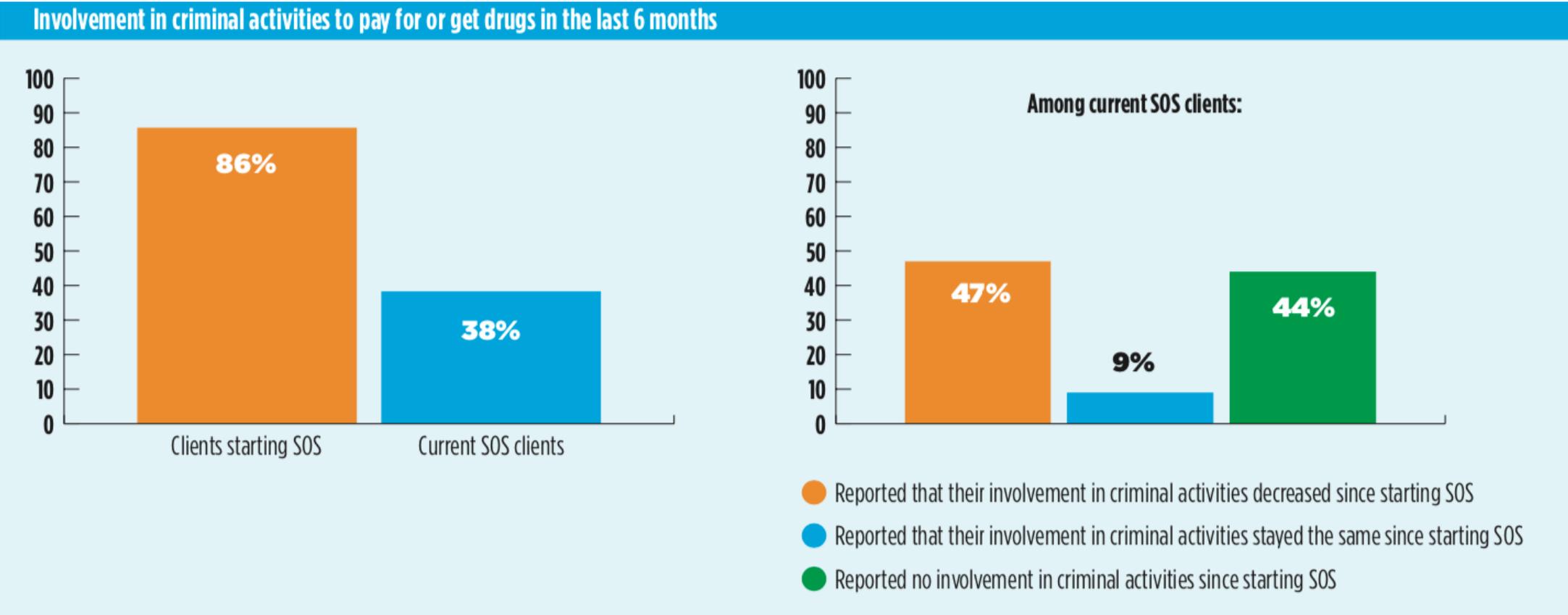
Clients starting SOS stated their mental health was:



Current SOS clients stated their mental health was:

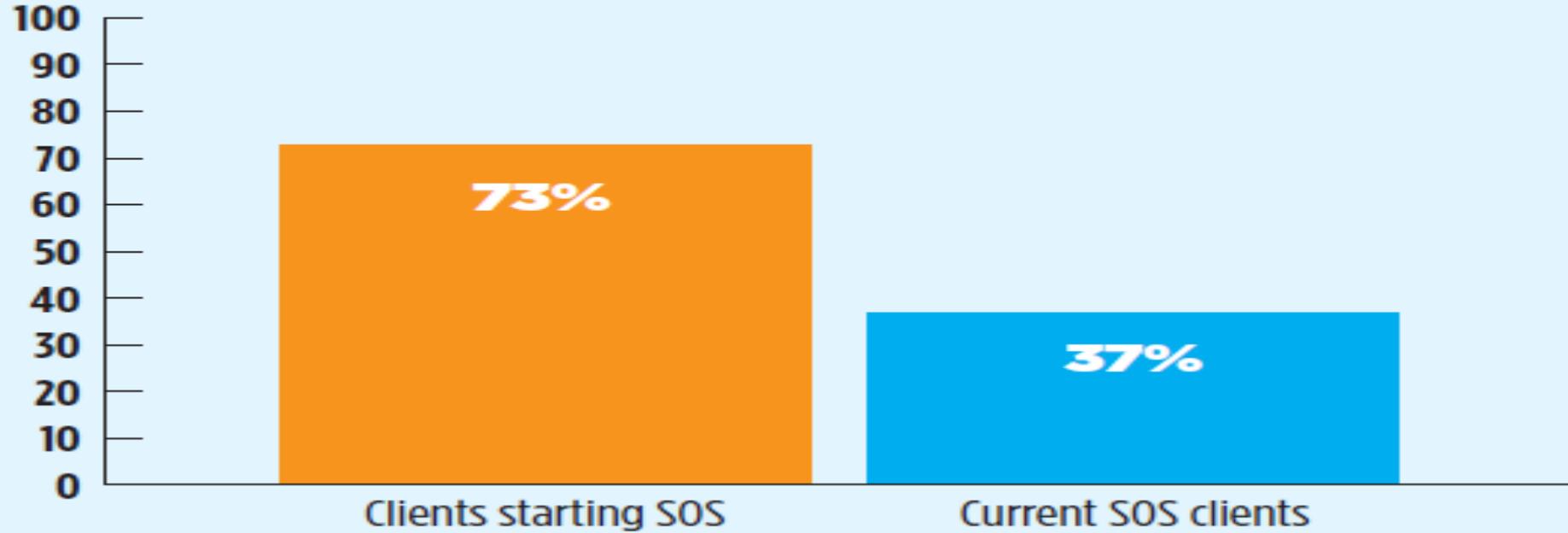


Involvement in criminal activities



CONTACT WITH POLICE AND INCARCERATION

Police contact in the last 6 months

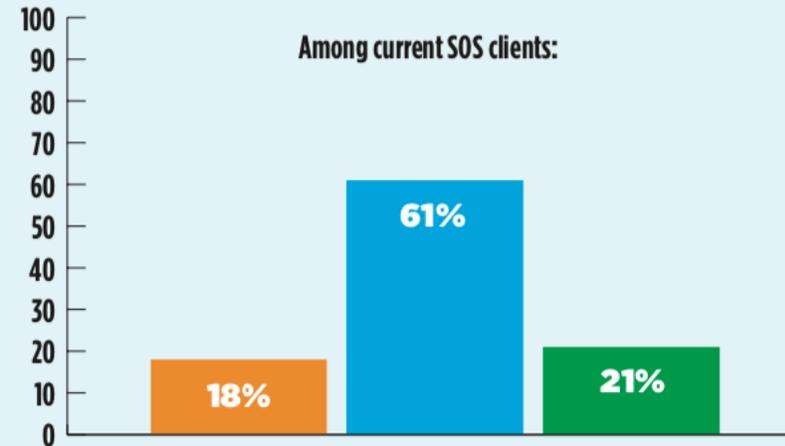
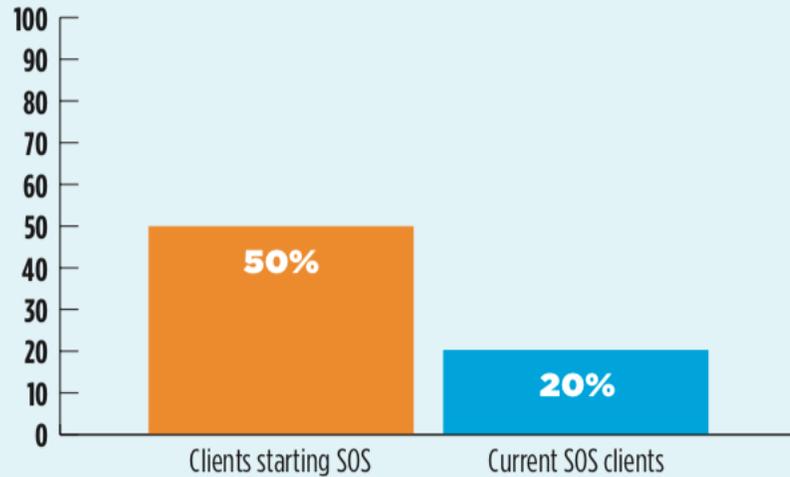


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Involvement in survival sex work

Involvement in sex work to pay for or get drugs in the last 6 months



- Reported that their involvement in sex work decreased since starting SOS
- Reported their involvement in sex work stayed the same since starting SOS
- Reported no involvement in sex work since starting SOS



Decreased involvement in sex work

“ We don’t have to go to the streets anymore to make our habit, to make money to pay for our pills. Since I’ve been on it [the SOS program], I haven’t gone to jail in three and a half years. So, that’s a good thing. I’m pretty much not working [in sex work] at all anymore, so. It saved my life. ”

(FOCUS GROUP 2 WITH SOS CLIENTS)



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Canada's first safer opioid supply program reduced adverse events among people at high risk of overdose

Gomes, T., Kolla, G., McCormack, D., Sereda, A., Kitchen S., & Antoniou, T. (2022). **Clinical outcomes and healthcare costs among people entering a safer opioid supply program in Ontario: A comparative time series analysis.** *Canadian Medical Association Journal*



ST. MICHAEL'S
UNITY HEALTH TORONTO



Data
Discovery
Better Health



ODPRN

Quality. Relevance. Timeliness.

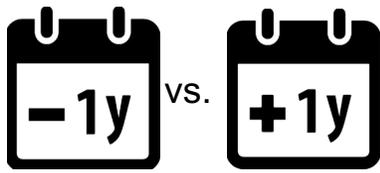


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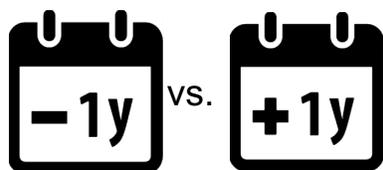
**University
of Victoria**

Canadian Institute for
Substance Use Research



Comparisons of primary clinical outcomes: 1 year prior to and following cohort entry

Health care utilization: Primary Outcomes	Clients in Safer Supply Program (N=82)			Matched Unexposed Individuals (N=303)		
	1 year prior N (rate per person-year)	1 year following N (rate per person-year)	p-value	1 year prior N (rate per person-year)	1 year following N (rate per person-year)	p-value
Number of emergency department visits	250 (3.09)	170 (2.12)	0.007	591 (1.98)	550 (1.86)	0.5
Number of hospital admissions	74 (0.91)	34 (0.42)	0.001	98 (0.33)	95 (0.32)	0.9
Number of hospital admissions for any incident infections	26 (0.32)	13 (0.16)	0.04	30 (0.10)	21 (0.07)	0.2



Comparisons of costs: 1 year prior to and following cohort entry

Costs	Safer Opioid Supply Clients (N=82)			Matched Unexposed Individuals (N=303)		
	1 year prior (\$ per person)	1 year following (\$ per person)	P-value	1 year prior (\$ per person)	1 year following (\$ per person)	P-value
Primary Outcome						
Total healthcare costs not related to primary care or outpatient medications	\$15,635	\$7,310	0.002	\$8,316	\$6,527	0.7
Secondary Outcomes						
Total publicly-funded medication costs***	\$12,840	\$21,119	<0.001	\$6,162	\$6,861	1.0
Costs for hydromorphone and/or opioid agonist therapy***	\$1,080	\$3,128	<0.001	\$1,719	\$1,626	0.02

***Among public drug beneficiaries only [N=71 Safer opioid supply clients, and N=262 matched unexposed individuals]

Trends in Hospitalizations for Serious Infections Among People With Opioid Use Disorder in Ontario, Canada

Tara Gomes, PhD, Sophie A. Kitchen, MSc, Lauren Tailor, PharmD, Siyu Men, MSc, Regan Murray, MPH, Ahmed M. Bayoumi, MD, Tonya Campbell, MSc, Samantha Young, MD, and Gillian Kolla, PhD

Infections in prior 5 years

Infective endocarditis	169 (5.6%)	86 (15.8%)	53 (12.2%)	68 (9.9%)	110 (5.4%)
Spinal infection	128 (4.2%)	38 (7.0%)	46 (10.6%)	88 (12.8%)	97 (4.8%)
Nonvertebral bone infections	232 (7.7%)	56 (10.3%)	58 (13.3%)	111 (16.2%)	167 (8.2%)
Skin or soft tissue infection	608 (20.1%)	133 (24.4%)	104 (23.9%)	234 (34.1%)	438 (21.5%)
Controlled Release hydromorphone (prior 30 days)	176 (5.8%)	26 (4.8%)	38 (8.7%)	70 (10.2%)	108 (5.3%)
Daily Dispensed Immediate Release Hydromorphone (prior 30 days)	68 (2.2%)	17 (3.1%)	16 (3.7%)	17 (2.5%)	48 (2.4%)
OAT prescription (prior 90 days)	1,863 (61.6%)	313 (57.3%)	265 (60.8%)	409 (59.6%)	1,261 (62.0%)
Hepatitis C diagnosis (prior 5 years)	727 (24.0%)	167 (30.6%)	124 (28.4%)	182 (26.5%)	506 (24.9%)
HIV diagnosis (before hospitalization)	127 (4.2%)	23 (4.2%)	17 (3.9%)	34 (5.0%)	83 (4.1%)





photo Paul Salvatori

***“What if, instead of talking about hard to reach patients,
we flip that around and talk about hard to reach doctors?***

Or hard to reach services?

***Or services with dumb barriers or restrictions on
access?***

Or a system with shitty attitudes?”



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**MEET PEOPLE
WHERE THEY ARE**

HARM REDUCTION IS NO JUDGMENT
HARM REDUCTION IS NEW NEEDLES
SYSTEMS
HARM REDUCTION
HARM REDUCTION IS
HARM REDUCTION
HARM REDUCTION IS CHECKING PERSONAL BIAS
HARM REDUCTION IS SAFE INJECTION
PUSHING FOR CHANGE
HARM REDUCTION IS NO JUDGMENT