Opioid Stewardship

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ISMP Canada

The Institute for Safe Medication Practices Canada is an independent not-for-profit organization dedicated to reducing preventable harm from medications.



www.ismp-canada.org



Objectives

 Provide an overview of the opioid crisis in Canada, its history and the Joint Statement of Action to Address the Opioid Crisis.

Describe Opioid Stewardship knowledge translation strategies.



What is the definition of an opioid crisis?



HEALTH CRISIS

Opioid deaths to hit 4,000

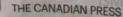
At least 1,460 Canadians have died from opioid-related overdoses in the first half of 2017 — a number that's expected to rise, as not all provinces have reported final data for the period, the Public Health Agency of Canada said Monday.

Dr. Theresa Tam, chief public health officer of Canada, said Ontario, Quebec and Manitoba are vet to report all of their opioidrelated overdose deaths for the first half of the year.

But based on figures reported by the other provinces and territories, Tam said the number of overdose deaths are on pace to surpass 4,000 by the end of the year — far above last year's tally

"It's an extremely complex whole-of-society issue that we're dealing with. This is a national public health crisis," Canada's top doctor said in an interview from Ottawa. SMP Canada 2017

of 2,861 opioid-related fatalities.





How did we get to an opioid crisis?



Background Information

- Opioid therapy has not been shown to be safe and effective for long-term treatment for pain
- Long-term opioid therapy is often overprescribed for patients with chronic non-cancer pain
- Many patients are receiving opioids at high daily dosages
- Increasing trends in opioid addiction (opioid use disorder) and opioid-related overdose

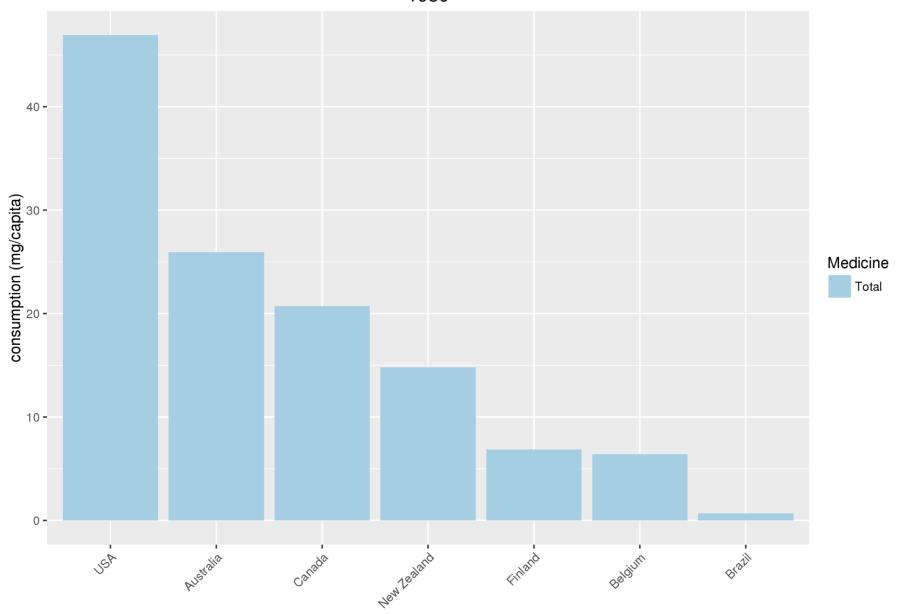


Background Information

- Patients who take opioids develop tolerance to the drugs. This
 often leads the patient or prescriber to increase the dose.
- Physical dependence can make it difficult to lower the dose or stop therapy. The drugs are then continued - to prevent opioid withdrawal symptoms.
- Few physicians and even fewer patients appreciate that opioid-induced hyperalgesia can occur. Increasing the dose further increases pain and risk.

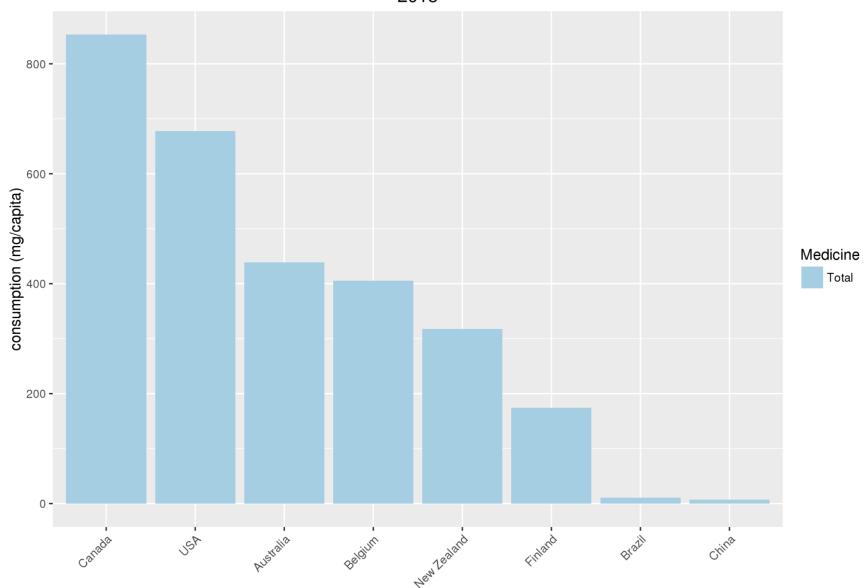


Total opioid consumption (morphine equivalence mg/capita) 1980



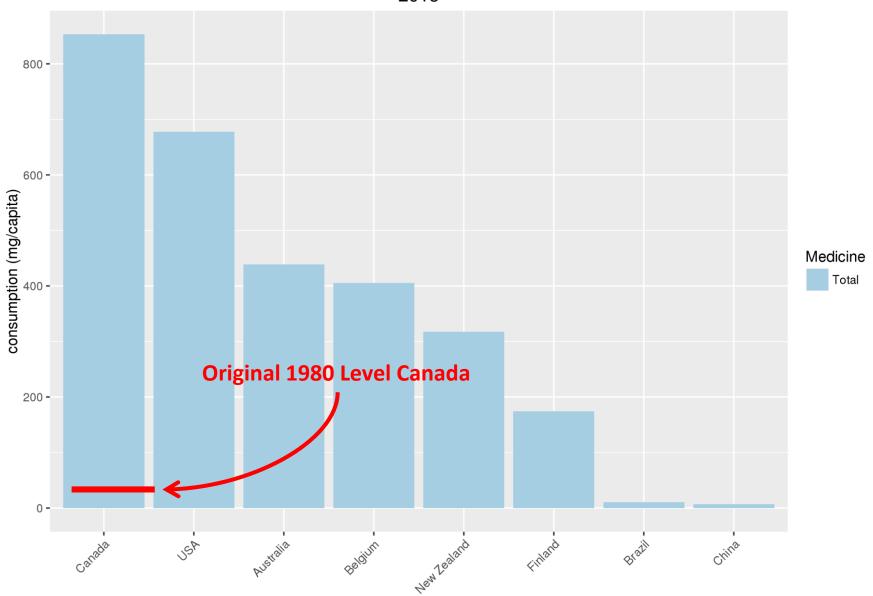
Sources: International Narcotics Control Board; World Health Organization population data By: Pain & Policy Studies Group, University of Wisconsin/WHO Collaborating Center, 2017





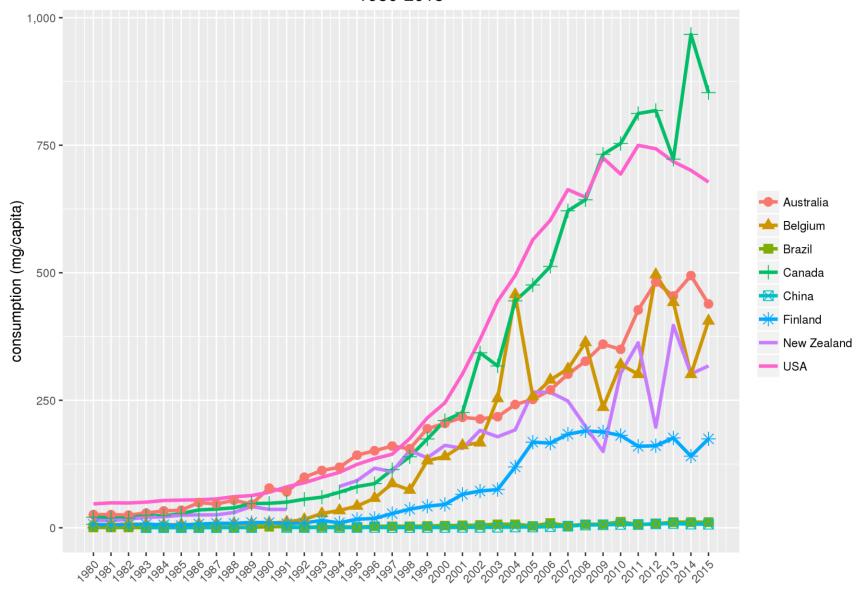
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Total opioid consumption (morphine equivalence mg/capita) 1980-2015

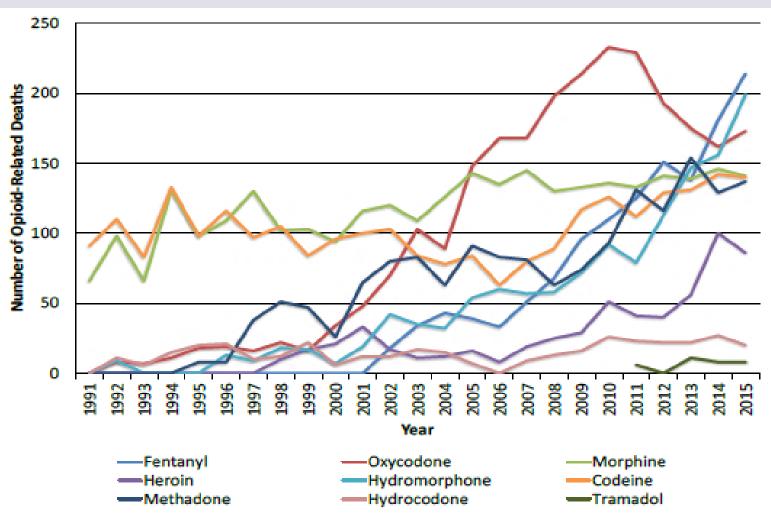


Sources: International Narcotics Control Board; World Health Organization population data By: Pain & Policy Studies Group, University of Wisconsin/WHO Collaborating Center, 2017

Deaths from opioids are increasing



Figure 2: Trend in Opioid-Related Deaths in Ontario by Type of Opioid Involved, 1991 to 2015



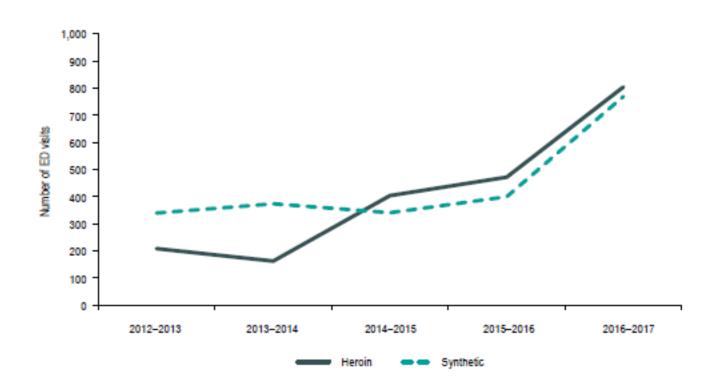
Note: 20 deaths from 2015 where details on energies enioid involvement was unavailable are not recorded in this figure



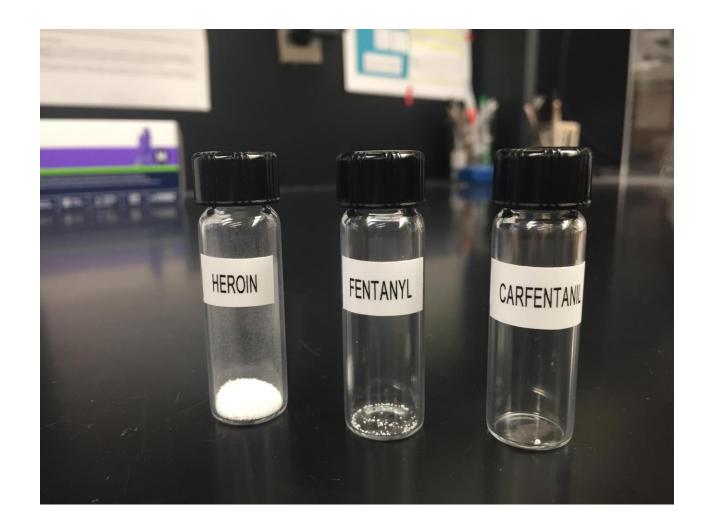
More harm from non-pharmaceutical opioids



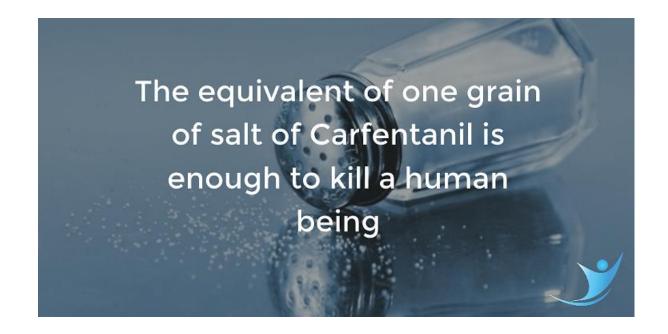
Ontario Heroin and Synthetic













Some Theories on the Crisis

(these are controversial)

- Porter and Jick letter in the NEJM 1980
 - Very low incidence of addiction

- Organizations became focussed on measuring and dealing with pain
 - 5th vital sign
 - Joint Commission, Veteran's Affairs, Pain Societies



Some Theories on the Crisis

(these are controversial)

- Influence of Pharmaceutical Industry
 - Marketing to prescribers
 - Direct advertising
 - Funding for experts
 - Educational programs
 - Advocacy funding
 - Pain Societies



Some Theories on the Crisis

(these are controversial)

Literature on treatment of non cancer pain with opioids

- Pain guidelines
 - Expanded role of opioids
 - Multiple pain guidelines from many organizations

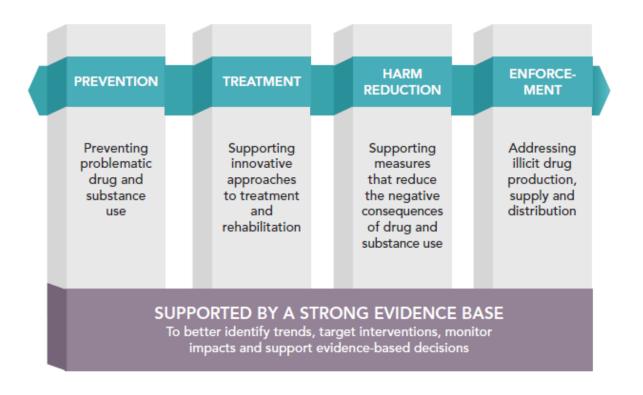


What is Canada doing about the Opioid Crisis?



CANADIAN DRUGS AND SUBSTANCES STRATEGY

A COMPREHENSIVE, COLLABORATIVE, COMPASSIONATE AND EVIDENCE-BASED APPROACH TO DRUG POLICY









Santé Canada



Prevention

- Education to patients/consumers
- Public awareness
- Prescribing education
- Investment in non-opioid therapies for pain
 - Pharmaceutical and nonpharmaceutical
- Tamper resistant formulations

PREVENTION

Preventing problematic drug and substance use



Treatment

- Opioid replacement therapy
 - Methadone/buprenorphine
- Counselling and Support
- Mental Health wellness programs
- Health care worker education
- Addiction is a disease

TREATMENT

Supporting innovative approaches to treatment and rehabilitation



Harm Reduction

- Supervised injection sites
 - Sterile needles and syringes
 - Staff able to respond to overdose
- Naloxone programs
 - Take home naloxone
 - First responder naloxone

HARM REDUCTION

Supporting measures that reduce the negative consequences of drug and substance use



Enforcement

- More resources to investigation
- Stronger border controls
- Control on pre-cursor chemicals
- Change focus from low-level drug users to higher level distributors and suppliers

ENFORCE-MENT

Addressing illicit drug production, supply and distribution



How do we as a society ensure opioid access to those who benefit?

How do we minimize harm?

Very nuanced and complex issue



Joint Statement of Action to Address the Opioid Crisis

 Th Joint Statement of Action to Address the Opioid Crisis reflects a combined commitment to act on this crisis.

 We have agreed to work within our respective areas of responsibility to improve prevention, treatment and harm reduction.



Opioid Stewardship

Coordinated interventions designed to improve, monitor, and evaluate the use of opioids in order to support and protect human health.

Note: We need to explore how other countries manage pain without opioids; we can do better.



Essential Clinical Skills for Opioid Prescribers





Safer Opioid PRESCRIBING

ACUTE PAIN in the Emergency Department or Walk-in Clinic

- · Avoid opioids if possible.
- Prescribe a small supply of weak opioids (codeine, buprenorphine patch, tramadol) for only 3 days, until patients can see their family doctor.
- Do not prescribe potent opioids (morphine, oxycodone, hydromorphone, fentanyl) for minor pain, e.g., muscle strains.

CHRONIC PAIN: Patient selection

- Reserve opioids for severe pain that impairs daily function (e.g., spinal stenosis, neuropathic pain) that has not responded to an adequate trial of all appropriate non-opioid treatments.
- Do not prescribe for fibromyalgia, headaches, low back or neck pain.
- Get a second opinion before prescribing to patients at high risk for opioid use disorder (younger, have an underlying psychiatric disorder (e.g., anxiety, PTSD) or have current or past problematic substance use).

Opioid TAPERING

- High doses (greater than 90 mg MED/D) are not safe and usually not necessary: Most pain patients respond to doses of 50 mg MED/D or less. High doses increase the risk of overdose, addiction, motor vehicle collisions, and falls.
- Tapering can improve mood, pain, and function in patients with severe pain despite a high opioid dose.
- Abrupt cessation of high opioid doses is dangerous: Patients will seek other sources of opioids to relieve withdrawal. Opioid tolerance is lost within days, putting patients at high risk of overdose.

INIDICATIONS EOD ODIOID TADEDING.



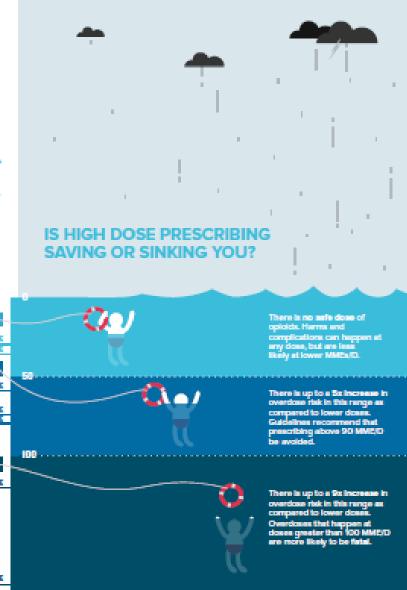
Available from: www.ismp-canada.org/opioid_stewardship/



Sometimes the best of intentions lead to devestating consequences. Canada and the U.S. are the two highest consumers of prescription opicids even though we don't have good evidence that they are effective for chronic pain. Since there are many different opicids used for the same purpose, we use recriphine equivalence to compare how strong they are.

AS THE NUMBER OF MORPHINE MILLIGRAM EQUIVALENTS PER DAY (MME/O) INCREASES, THE HARMS ASSOCIATED WITH OPIOID THERAPY ALSO INCREASE.

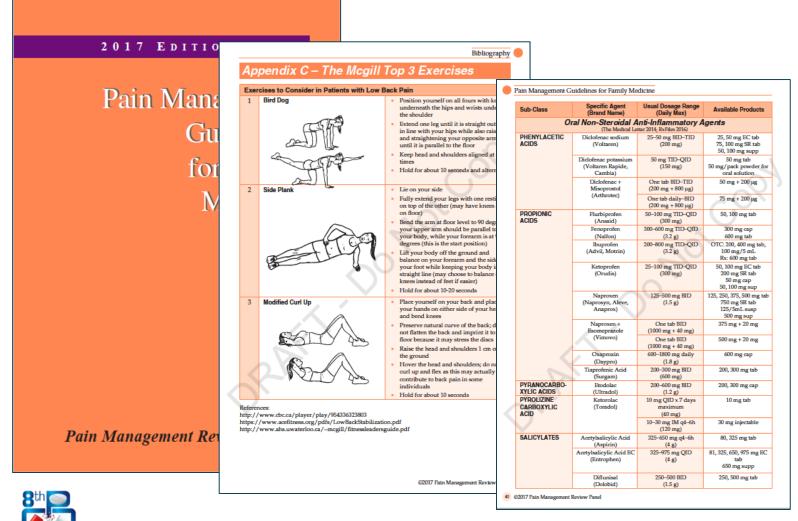
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Available from: www.ismp-canada.org/opioid_stewardship/

Family Practice Resource for Pain Management



Opioid Pain Medicines Information for Patients and Families

You have been prescribed an opioid pain medicine that is also known as a narcotic. This leaflet reviews some important safety information about opioids.

Patients, family, friends, and caregivers can play an important role in the safe use of these medicines; share this information with them.

With opioids, there is a fine balance between effective pain control and dangerous side effects.

PAIN CONTROL



DANGEROUS SIDE EFFECTS

Safe balance between pain control and side effects requires regular assessment of opioid effect and need

Signs of Overdose

Stop taking the drug and get immediate medical help if you experience the following:

- Severe dizziness
- · Inability to stay awake
- Hallucinations
- · Heavy or unusual snoring
- Slow breathing rate

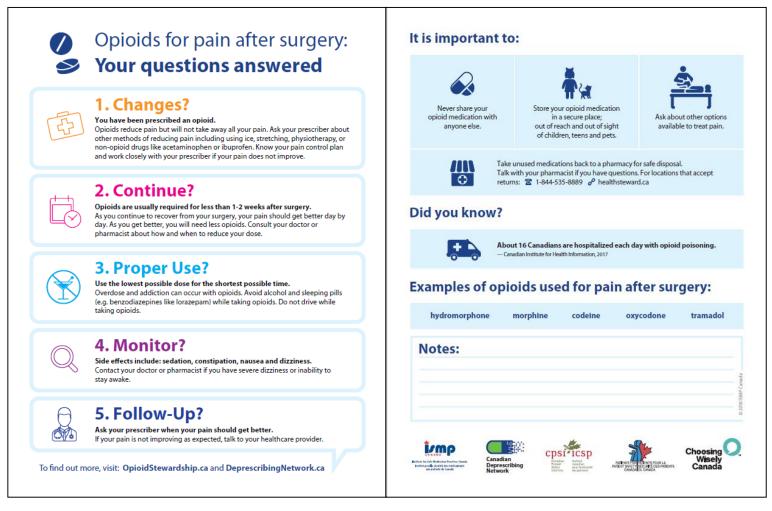
Your family member or caregiver needs to call 911 if:

- You can't speak clearly when you wake up
- They can't wake you up



Available from: www.ismp-canada.org/opioid_stewardship/

Opioids for pain after surgery: Your questions answered



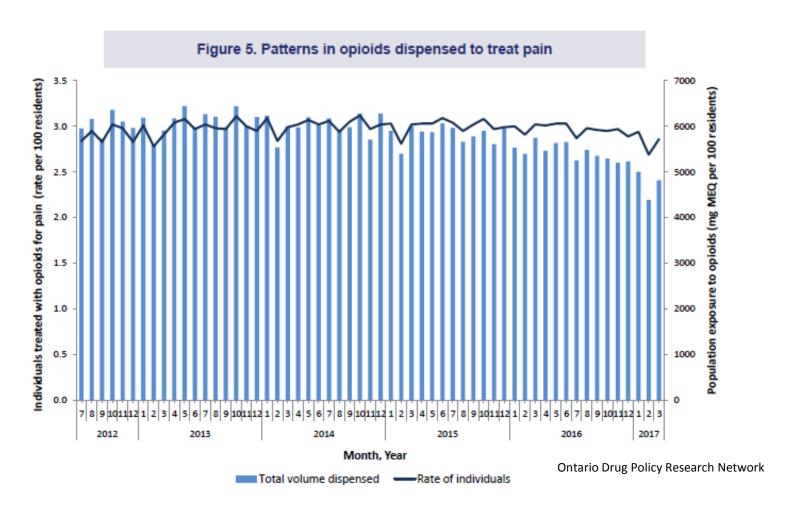


Storage and Disposal





Opioid Prescriptions Over Time





Thank You

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