

Take-home naloxone models for different populations and settings

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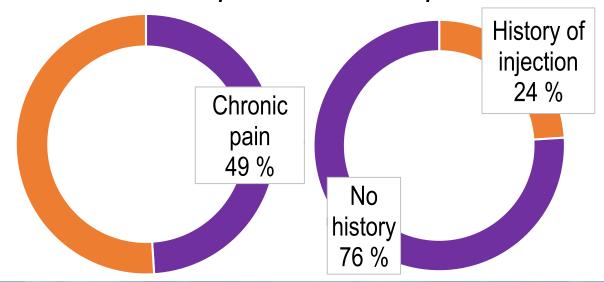
Professor and Deputy Director Monash Addiction Research Centre

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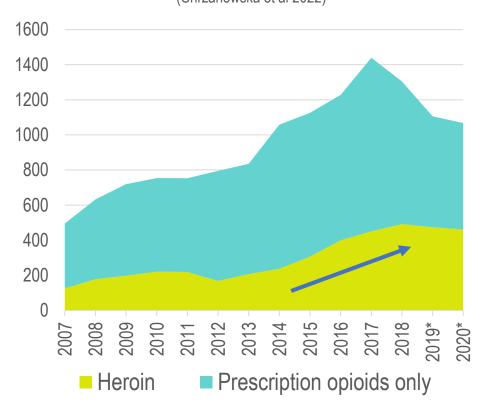


Opioid harm in Australia

- Since 2014 >1000 deaths per year
- Rx opioid deaths declining
- Steady increase in heroin deaths
- Deaths from opioids used for pain:



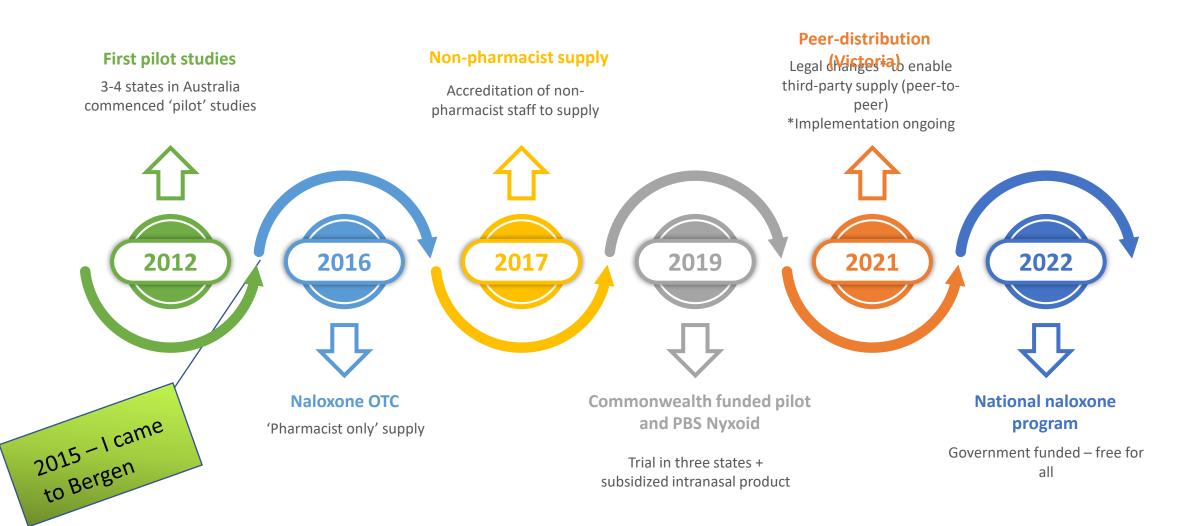
Opioid-related deaths in Australia (Chrzanowska et al 2022)



*preliminary data (to be revised)



Evolution in naloxone models in Australia



2012: First pilot studies in Australia

- Mostly peer-led & aimed at people who inject drugs
- Overdose training, 2-4h
- Doctor prescribed naloxone
- Increased knowledge among people who use drugs in states where pilots occurred



Drug and Alcohol REVIEW



Drug and Alcohol Review (May 2018), 37, 457–463 DOI: 10.1111/dar.12644

BRIEF REPORT

Knowledge of naloxone and take-home naloxone programs among a sample of people who inject drugs in Australia: Variations across capital cities

PAUL M. DIETZE^{1,2}, MARK STARE³, SHELLEY COGGER¹, DHANYA NAMBIAR^{1,2}, ANNA OLSEN⁴, LUCINDA BURNS⁵ & SIMON LENTON⁶

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2016: 'Pharmacist only' naloxone down scheduling

Requirement for prescription removed in 2016

- Little uptake from pharmacies
- Cost and knowledge barriers
- (lack of) implementation process negatively impacted suppliers/supply

Research

Community pharmacy naloxone supply, before and after rescheduling as an over-the-counter drug: sales and prescriptions data, 2014–2018

Wai Chung Tse^{1,2} . Paul Sanfilippo¹, Tina Lam¹, Paul Dietze^{1,3}, Suzanne Nielsen¹

The known: Take home naloxone programs are effective for preventing opioid overdose deaths. Most overdoses in Australia involve pharmaceutical opioids, but little is known about how much naloxone is supplied in primary care, where most pharmaceutical opioids are prescribed.

The new: The volume of naloxone supplied on individual prescriptions accounted for less than 3% of all naloxone supplied to pharmacies. Further, despite the 2016 scheduling change that permits naloxone supply without prescription, the over-the-counter supply of naloxone did not increase between 2014 and 2018

The implications: Although prescriptions are no longer a barrier to obtaining naloxone, further strategies are required to increase the supply of take home naloxone.

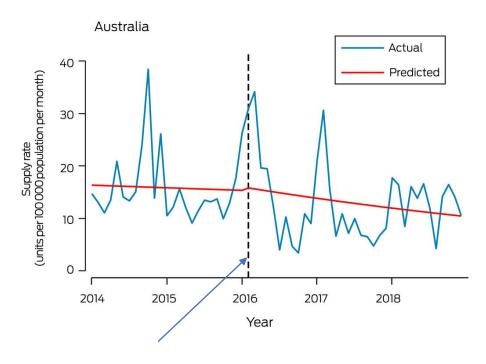
Abstract

Objectives: To characterise the community pharmacy supply of naloxone by supply type — individual prescription, prescriber bag, and non-dispensed (supplied over the counter or expired) — during 2014–2018; to examine whether the 2016 rescheduling of naloxone as an over-the-counter drug influenced non-dispensed naloxone supply volume.

Design, setting: Analysis of monthly naloxone prescriptions (Pharmaceutical Benefits Scheme) and sales data (IQVIA), 2014–2018, for Australia and by state and territory; time series analysis of non-dispensed naloxone supply to assess effect of rescheduling on naloxone supply

Major outcomes: Total naloxone supply to community pharmacies; prescribed and non-dispensed naloxone supply.

Results: During 2014–2018, 372 351 400 µg units of naloxone were



Pharmacist naloxone supply enabled



2016: Commencing pharmacist supply

At the time of rescheduling

- High pharmacists support for a role in overdose prevention (almost half of provide OAT)
- Low knowledge about naloxone
- Unclear on who to supply it to or how
- Considerable stigma towards people who use drugs (identified as key target)
- Lack of confidence in how to raise with people prescribed opioids

ADDICTION



Research Report | 🙃 Full Access

Community pharmacist knowledge, attitudes and confidence regarding naloxone for overdose reversal

Suzanne Nielsen X, Nadia Menon, Sarah Larney, Michael Farrell, Louisa Degenhardt

First published: 01 July 2016 | https://doi.org/10.1111/add.13517 | Citations: 55

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Research Paper

Why aren't Australian pharmacists supplying naloxone? Findings from a qualitative study



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2019-2022: National government funded naloxone supply

- Large increases in naloxone supply (>43000 units)
- 80% of naloxone supplied through pharmacies (but only 7% of pharmacies regularly supply → room for improvement)
- <2% of people on high doses estimated to receive naloxone

Figure 13. Changes in the naloxone access rate for individuals at risk of prescription opioid overdose in Australia^z during the THN Pilot

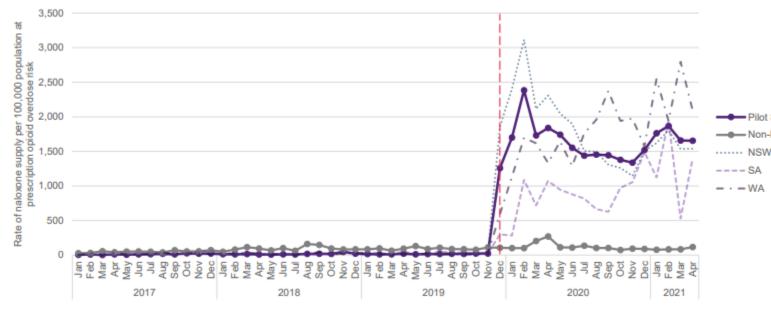
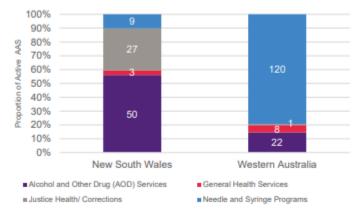


Figure 10. Participating Authorised Alternative Supply sites in NSW and WA5, by setting typ



NR: Numbers represent the number of active AAS in each setting type



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Note: Vertical red line indicates start of THN Pilot

Source: PBS and PPA data

Increasing pha

International Journal of

Commonwealth pilot: take advantage of it	Naloxone is NOW available free in WA. Pharmacists are remunerated for supply with a dispensing fee. Five simple steps.
	Funded federal government initiative. \$10 million dollars provided to pharmacy. ^a
Public health issue	All patients on S8 opioids for longer than 2 weeks

are at risk.

the change.

prescription opioids.

related to opioid use.

an addressable barrier.a

Provision of naloxone is simple.

Half of opioid overdoses are by chronic pain

WA has the highest rate of accidental deaths

Pharmacists have a key public health and harm

reduction role, lead the country forward, be part of

Provision is part of pharmacy practice. Language is

patients. 70% of opioid overdoses are from

bipatory and design-thinkingted workshop with pharmacists

loped communication All patients on S8 opioids for longer than 2 weeks ages to address barriers

> video significantly increased nacists' intentions, skill. dence, perceptions that THN easible, appropriate, and btable

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Pharmacists' role

Research Paper

Using the behaviour change wheel to und pharmacy naloxone supply in Australia

Suzanne Nielsen a,b,*, Anna Olsen c

- Monash Addiction Research Centre, Monash University, 47-49 Moorooduc Hwy, Frankston 3
- b National Drug and Alcohol Research Centre, UNSW Sydney, 22-32 King St, Randwick 2031
- Medical School, The Australian National University, Florey Building 54 Mills Road, Acton 26

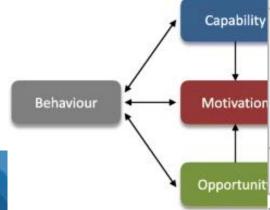
Patients are relying on you—there are many reasons for overdose; patients are unaware.a Capability Myth busters Does not increase drug use or risk-taking behaviour, but saves lives. No potential for abuse, available since 2004. Systems are changing-part of first aid courses and kits and 000 protocol. Life-saving medication like linking glucagon and Epipens®. Dispensing process education How to receive naloxone and be reimbursed

(Steps 1-5).

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Jren¹, Lexy Staniland²,

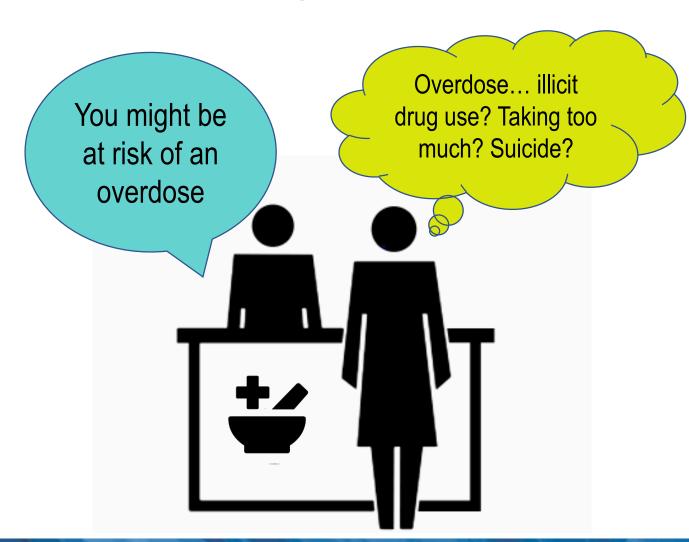
ersity, Bentley, WA, Australia, Design and the Built Environment, Curtin University, Bentley, WA, Australia



^aNew messages from expert advisory group



Addressing barriers for people prescribed opioids



Of 208 people prescribed opioids for pain:

- 11 (5%) endorsed that they had had an 'overdose',
- 30 (14%) endorsed overdose based on description of overdose
- Correctly identified few overdose symptoms (mean score = 4.5) of the 10 questions on opioid overdose symptoms correctly
- 60% would expect/appreciate naloxone being offered (25% neutral)
- 1. Volpe, Nielsen et al Overdose prevention information for people prescribed opioids for chronic pain. Enhancing community pharmacists' capacity to respond. Turning Point Report. June 2020 [Credit to P Coffin for inspiration];





Co-design resources with people using opioids for pain

- Estimated <2% of at risk population receiving it in the pilot
- Low knowledge about 'overdose'
- Developed animations & leaflets to support better conversations
- Persistent (unfounded) concern about offending people







Naloxone information for people who are prescribed opioids

This ammation has been clearled or people prescribed opposits or chindric pain, of anyther interested in rearring mode about prescription oppoids afterly. Natioxone is a life-saving medicine that reverses the effects of opioids in case of an emergency, while you wait for an ambulance. If you'd like to know more about oppid safety or natioxone, speak with your pharmactic or QP, and download the '<u>maximisting nopidis</u> safety' (leaflet.



Naloxone information for pharmacists who dispense prescription opioids

nis animation has been created for pharmacists who dispense prescribed opioids for chronic pain. Naloxone is a e-saving medicine that reverses the effects of opioids in case of an emergency, while you wait for an ambulance or more information, please see the <u>'maximising opioid safety</u> leaflet and '<u>naloxone</u>' poster for pharmacists.





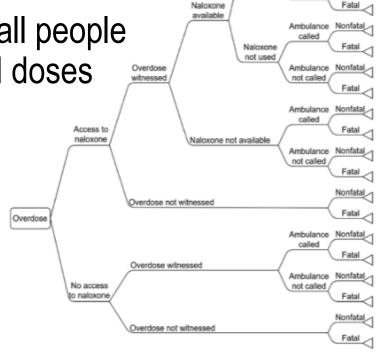
Is it cost effective to provide naloxone for people prescribed opioids?

- Large population with unclear risk
- Modelled four scenarios (upscaling to 30 or 90% of people prescribed ≥50 or ≥100mg oral morphine equivalent (OME) daily dose
- Used estimates from existing research (largely Australian)
- Demonstrated to be cost effective to supply naloxone to all people prescribed at least medium (50mg OME or above) opioid doses (around AUD\$40K per life saved)



The cost and impact of distributing naloxone to people who are prescribed opioids to prevent opioid-related deaths: findings from a modelling study





Fatal

Ambulance Nonfatal

Summary

- Diversity in supply settings is important
- Enormous potential to continue to upscale
- Progress in targeted approach for people prescribed opioids (complimenting existing work for people who use drugs)
- Challenge now is rising heroin deaths (threat of fentanyl looms)

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