

# Colorado MOMs (Maternal Overdose Matters) Initiative

*Naloxone Take-Home Kits Brief Training*



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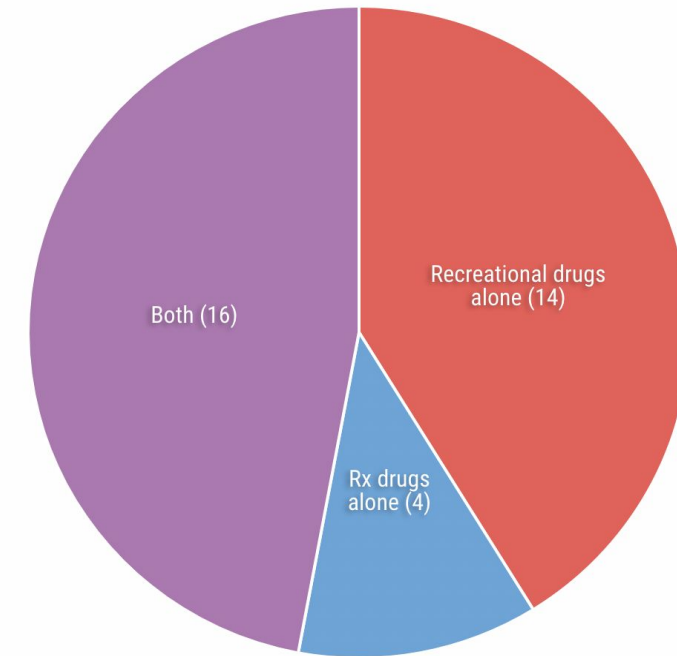




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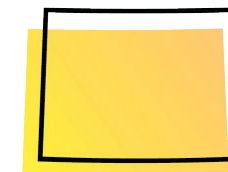
# Maternal Death in Colorado

- ▶ The maternal death rate in CO nearly doubled from 2008 to 2013, from 24.3 deaths per 100,000 live births to 46.2 deaths.
- ▶ **Suicides and overdoses are rising** in this population, while the death rate from homicide and car crashes is declining.
- ▶ **80% of these deaths were determined preventable** - through better medical care, mental health care or substance-abuse treatment.
- ▶ Figure: types of substances used among not pregnant-related deaths found with toxic amounts of substances, CO 2008 - 2013, n =34



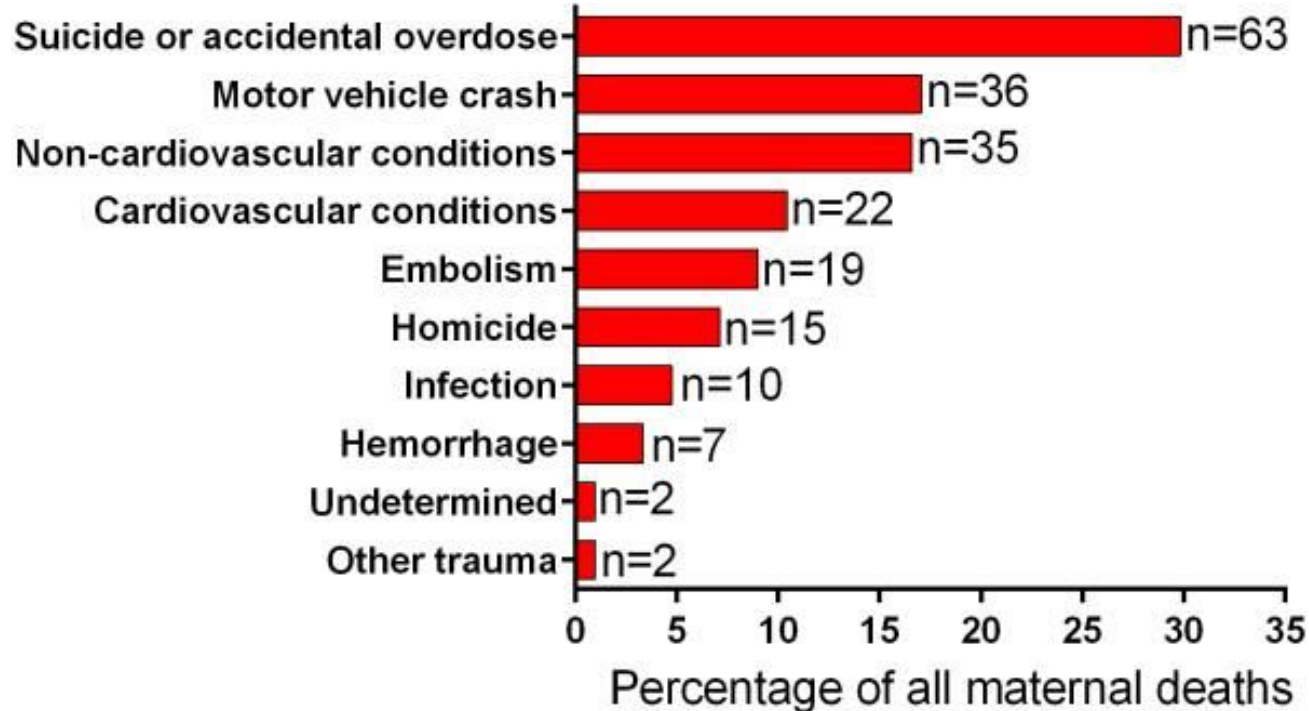
SOURCE: COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT

Bardin, L., & Schiffmacher, A. (2017). (rep.). *Understanding Maternal Deaths in Colorado, An Analysis of Mortality from 2008-2013*. Retrieved from [https://www.colorado.gov/pacific/sites/default/files/PF\\_Maternal\\_Mortality\\_Colorado-12-01-17.pdf](https://www.colorado.gov/pacific/sites/default/files/PF_Maternal_Mortality_Colorado-12-01-17.pdf)



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# Maternal Death in Colorado



- ▶ In a 2016 study researchers found that the leading causes of maternal death in CO were **suicide and overdose**.
- ▶ Of the 211 deaths from 2004-2012, 37 women died from drug overdose and 26 died by suicide.
- ▶ **Opioids were the most common drug detected.**

Metz TD, Rovner P, Hoffman MC, Allshouse AA, Beckwith KM, Binswanger IA. Maternal Deaths From Suicide and Overdose in Colorado, 2004-2012. *Obstet Gynecol.* 2016;128(6):1233-1240. doi:10.1097/AOG.0000000000001695

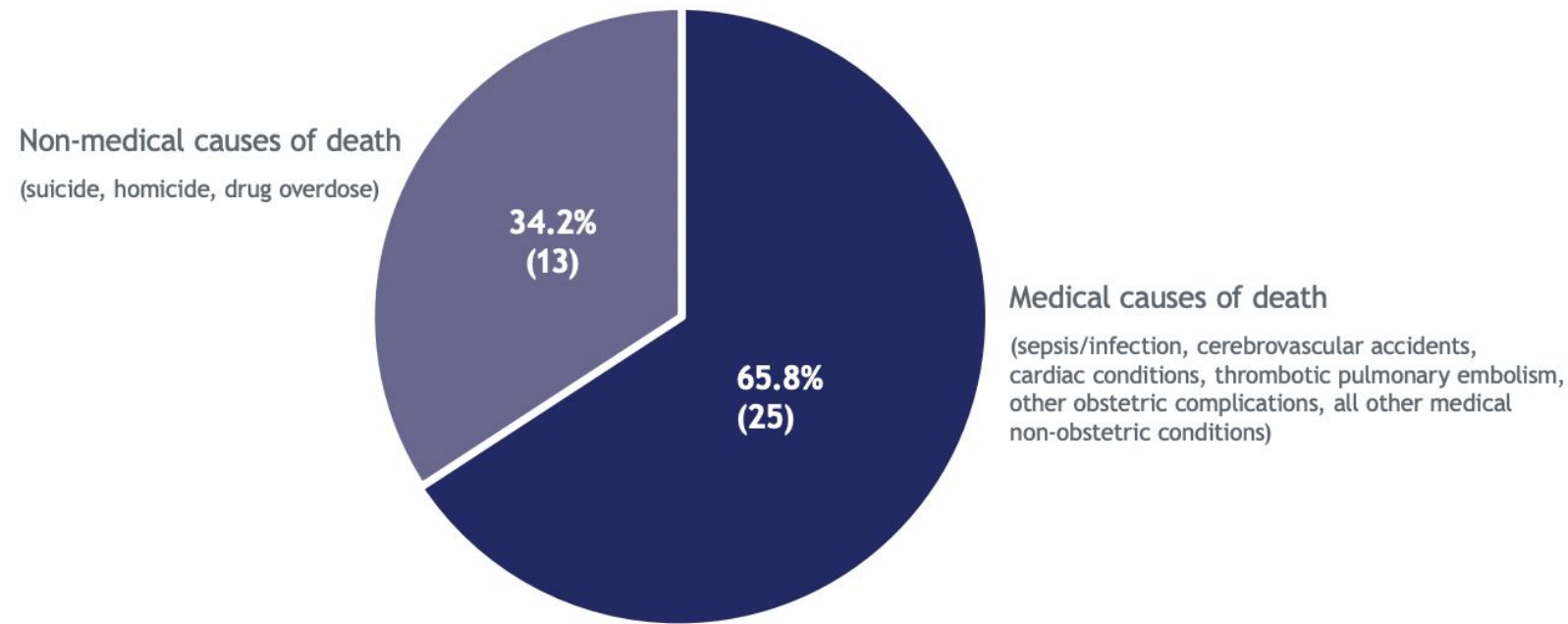


# Maternal Death in Colorado

The latest Maternal Mortality Review Committee (MMRC) reported that from 2014 to 2016 there were 94 deaths in Colorado

- ▶ 2nd highest cause of “non-medical” pregnancy-associated death was **unintentional drug overdose** = 13

Figure 9. Causes of Pregnancy-Related Deaths, Colorado, 2014-2016.



# Naloxone Saves Lives



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- ▶ Naloxone prescriptions are being written, but not often filled
  - One study showed the **fill rate for naloxone being <1.0%**, even for patients who presented with more than one overdose episode.<sup>1</sup>
  - Another suggested that less than 2% of people who had at least one of the main risk factors for opioid overdose had filled a prescription for naloxone. This drug could save their lives, but less than 2% get it.<sup>2</sup>
- ▶ Placing **naloxone directly in the hands of at-risk pregnant and postpartum patients and families** upon discharge removes the current barriers to treatment

<sup>1</sup> Ruff AL, Seiler K, Brady P, Mark Fendrick A. Naloxone fill rates after opioid overdose. Journal of Addiction Medicine and Therapeutic Science.

2019;5(1):001-002 <https://www.peertechzpublications.com/articles/JAMTS-5-127.php>

<sup>2</sup> Uofmhealth.org. Accessed April 19, 2021. <https://lablog.uofmhealth.org/rounds/drug-could-save-their-lives-but-less-than-2-get-it>



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# CNP Year 2 = Colorado MOMs Initiative

The **Colorado Naloxone Project** year 1 goal was for all Colorado **emergency departments to distribute naloxone to at-risk patients**, placing naloxone in patients' hands prior to their departure from the hospital. >100 hospitals signed on, covering 97% of ED visits statewide.

Year 2 focuses on the **Colorado MOMs (Maternal Overdose Matters) Initiative**. Our goal is for 100% of hospital-based obstetric, labor and delivery, perinatal, and neonatal units to have the ability to **dispense naloxone to at-risk pregnant and postpartum patients and families**.



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# CO's CURE Guidelines



## Colorado's Opioid Solution: Clinicians United to Resolve the Epidemic

*Obstetrics and Gynecology: ACOG 2020 Opioid Prescribing and Treatment [Guidelines](#)*

CO ACOG Harm reduction recommendations:

1. OB/gyn clinicians should **educate their patients** with OUD and those who inject drugs in overdose recognition, prevention, and the use of naloxone.
2. OB/gyn clinicians should **provide naloxone directly to patients** at elevated risk of overdose.
3. During the postpartum period, when rates of overdose are elevated, OB/gyn clinicians are positioned and encouraged to ensure that patients with OUD or polysubstance use receive medical and behavioral health care, social and and harm reduction support, **overdose education and naloxone** in order to minimize the risk of overdose.





# Who's Eligible

Take-home naloxone kits should be dispensed directly to pregnant and postpartum patients who:

- ▶ Are receiving medical care for opioid intoxication or overdose
- ▶ Use any type of illicit substances, including but not limited to fentanyl, heroin, methamphetamine
- ▶ Have suspected opioid use disorder, including nonmedical opioid use
- ▶ Are starting methadone or buprenorphine treatment for opioid use disorder
- ▶ Are prescribed any amount of opioid medication on a chronic basis
- ▶ Are receiving a new opioid prescription for pain
- ▶ Have resumed opioid use after a period of abstinence (e.g., following birth of child, a recent release from jail or prison, or a recent discharge from a hospital or drug treatment facility)
- ▶ Have been exposed to substances in utero or are experiencing neonatal withdrawal syndrome







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# Naloxone Take-Home Kit

- ▶ Located in the automated dispensing machine
- ▶ The kit will contain:
  - Naloxone medication product (2)
    - 0.4 mg injectable
    - 4 mg intranasal
    - 8 mg intranasal
  - Patient education handout
  - Institution specific label (optional)

*Insert picture of your institution's  
naloxone take-home kit here*



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# Documentation

- ▶ Order for naloxone take-home kit will be entered for patient by provider in CPOE
- ▶ Medication will be removed from the ADM and scanned into the eMAR
  - Since medication will be distributed to patient for use at home, change the status of medication to “not administered”
  - Select “take-home medication” or similar explanation as reason medication was not administered in the hospital

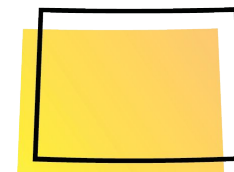
*Insert picture of your institution’s CPOE process and/or eMAR scanning and documentation process here*



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# Patient Education

- ▶ Be sure to use the informational handout in the naloxone take-home kit to guide education of patient and family (do not open the sealed naloxone package — use the loose sheet provided in the kit)
- ▶ Be sure to include the following in your education:
  - Identification of person to administer and importance of educating them on how to administer
  - Risk factors for opioid overdose
  - Prevention of opioid overdose
  - Recognition of opioid overdose
  - Need to call 911 if naloxone take-home kit is administered
  - How to provide rescue breaths
  - Administration of intranasal or injectable naloxone
  - Effects of naloxone on fetus or newborn
  - OUD treatment options for pregnant or postpartum patients



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# How to Use Naloxone Nasal Spray

## Review instructions with patient

\*\*\* Do not open sealed package to demonstrate \*\*\*



**REMOVE** NARCAN Nasal Spray from the kit.  
Peel back the tab with the circle to open the NARCAN Nasal Spray.



**Hold** the NARCAN Nasal Spray with your thumb on the bottom of the plunger and your first and middle fingers on either side of the nozzle.



**Gently insert the tip of the nozzle into either nostril.**

- Tilt the person's head back and provide support under the neck with your hand. Gently insert the tip of the nozzle into **one nostril**, until your fingers on either side of the nozzle are against the bottom of the person's nose.



**Press the plunger firmly** to give the dose of NARCAN Nasal Spray.  
• Remove the NARCAN Nasal Spray from the nostril after giving the dose.







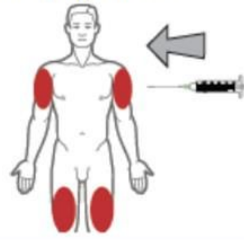
# How to Use Naloxone Injectable

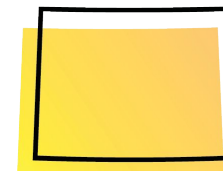
## Review instructions with patient

\*\*\* Do not open sealed package to demonstrate \*\*\*



**Injectable naloxone**

- 1** Remove cap from naloxone vial and uncover the needle 
- 2** Insert needle through rubber plug with vial upside down. Pull back on plunger and take up entire contents.   
fill to 1 ml
- 3** Inject whole vial into upper arm or thigh muscle 
- 4** If no reaction in 3 minutes, give 2nd dose





# Additional Resources

Links to free educational materials

- ▶ [Colorado Naloxone Project](#)
- ▶ [Colorado Department of Public Health and Environment](#)
- ▶ [How to Use Narcan Nasal Spray Video](#)
- ▶ [Colorado Consortium for Prescription Drug Abuse Prevention, Naloxone Workgroup](#)
- ▶ [Harm Reduction](#)

