NALOXONE SAVES LIVES

Naloxone can quickly restore normal breathing and save the life of a person who is overdosing on opioids. In 2015, over 33,000 people died from an overdose on opioid drugs, including prescription pain relievers, heroin, and fentanyl.  Naloxone is a safe medication that is widely used by emergency medical personnel and other first responders to prevent opioid overdose deaths. Unfortunately, by the time a person having an overdose is reached, it is often too late.

Friends, family, and other bystanders can save lives with naloxone. Naloxone distribution programs give naloxone kits to opioid users, their friends and families, and others who may find themselves in a position to save the life of someone at risk of an opioid overdose.
• A naloxone distribution program in Massachusetts reduced opioid overdose deaths by an estimated 11 percent in the nineteen communities that implemented it without increasing opioid use.
• From 1996 to 2014, at least 26,500 opioid overdoses in the U.S. were reversed by laypersons using naloxone.

HOW DOES NALOXONE WORK?

Naloxone is an opioid receptor antagonist meaning it binds to opioid receptors and reverses or blocks the effects of other opioids. Giving naloxone immediately reverses the effects of opioid drugs, restoring normal respiration. It can be administered by injection or through a nasal spray.

IS NALOXONE SAFE?

Yes. There is no evidence of significant adverse reactions to naloxone. Administering naloxone in cases of opioid overdose can cause withdrawal symptoms when the person is dependant on opioids; this is uncomfortable without being life threatening. The risk that someone overdosing on opioids will have a serious adverse reaction to naloxone is far less than their risk of dying from overdose. Naloxone only works if a person has opioids in their system; the medication has no effect if opioids are absent.

USER-FRIENDLY NALOXONE

In 2015, the FDA approved the first naloxone nasal spray—NARCAN—developed as a result of NIDA-funded research. Naloxone is also available as an autoinjector—EVZIO—that provides verbal step-by-step instructions for use. Increasing access to naloxone is a priority for the U.S. Department of Health and Human Services, and research funded by NIDA is developing strategies to identify people at risk and ensure they have access to naloxone in the event of an overdose.

IDENTIFYING AT-RISK PATIENTS

A survey given to chronic pain patients receiving prescription opioids found that nearly 1 in 5 had experienced an overdose and more than half engaged in high-risk behaviors, including combining opioids with alcohol. While only 3% of patients surveyed reported having a naloxone prescription or being trained to deliver naloxone, nearly 40% had witnessed an overdose. Another study found 68% of participants recruited from syringe service programs, detoxification, or opioid treatment programs had witnessed an overdose but only 17% had a prescription for naloxone.

CO-PRESCRIBING NALOXONE TO AT-RISK PATIENTS

NIDA-funded researchers are evaluating interventions to improve opioid prescribing practices, including the co-prescription of naloxone. An early study found that giving naloxone to patients on opioid therapy for chronic pain was associated with fewer opioid-related emergency department visits, especially among patients receiving high doses of prescription opioids. This study will help to inform implementation efforts that can increase access to naloxone.
GOOD SAMARITAN LAWS FOR NALOXONE
Thirty-six states and the District of Columbia provide legal immunity for friends, family, and other bystanders, or “Good Samaritans,” who seek medical aid for someone experiencing an opioid overdose.14, 15

AFTER NALOXONE IS GIVEN
BYSTANDERS: CALL 911 IMMEDIATELY
It is important to call emergency responders right away. Naloxone is only active in the body for 30 to 90 minutes and its effects could wear off before those of the opioids, causing the user to stop breathing again.

CLINICANS: SCREEN FOR OPIOID USE DISORDER
An overdose reversal is a critical opportunity to identify people with opioid use disorder and engage them in treatment.
- Patients should be assessed for opioid use disorder using a validated tool, such as NIDA’s Recognizing Opioid Abuse table.
- Those with a positive assessment should be engaged in treatment, including FDA-approved medications, when appropriate.
- Treatment plans, including opioid pain reliever dose, should be reassessed for patients who are prescribed opioids for pain. See the CDC Guideline for Prescribing Opioids for Chronic Pain.

WHERE CAN I GET NALOXONE?
Naloxone can be purchased in many pharmacies, in many states, without bringing in a prescription. The majority of states allow prescribing and dispensing of naloxone to family members and friends in addition to people receiving prescription opioids for pain or with opioid use disorder.14 Law enforcement, emergency medical services, and community-based naloxone distribution programs can apply to be a Qualified Purchaser or work with their state or local health department to order naloxone. To find naloxone in your area, go to the Naloxone Finder.

WHERE CAN I GET MORE INFORMATION?
If you or someone you care about has an opioid use disorder:
- Ask your health care provider or pharmacist about naloxone
- View NIDA’s naloxone web page

References
2. FDA moves quickly to approve easy-to-use nasal spray to treat opioid overdose [news release]. Food and Drug Administration; November 8, 2015.