The Epidemic of Overdoses From Opioids in Philadelphia

Growth in the use of opioids, including prescription painkillers and heroin, is fueling a nationwide epidemic of deaths from drug overdose. This first issue of CHART summarizes the problem nationally and in Philadelphia, and gives recommendations for healthcare professionals and families.

- According to the Centers for Disease Control & Prevention (CDC), 47,055 people died from drug overdoses in the United States in 2014, for a rate more than double that of 2000.¹
- Among overdose deaths in 2014, 61% involved opioids.
- Increases in opioid-related deaths resulted from the use and misuse of prescription pain relievers and the use of heroin.
- Since 1999, the number of prescriptions for pharmaceutical opioid pain relievers in the U.S. more than quadrupled.²
- People who have misused opioid pain relievers are 19 times more likely than others to start using heroin, even though few people who misuse pharmaceutical opioids become heroin users (4% initiate heroin use within 5 years).³
Drug overdose deaths have spiked in Philadelphia in recent years, with nearly 700 such deaths in 2015.

In 2015, there were more than twice as many deaths from drug overdose in Philadelphia as there were from homicide.

From 2003 to 2015, trends varied by the type of drugs detected:

- Heroin-related deaths increased sharply beginning in 2011. Heroin in Philadelphia has a high purity and low price.4

- Deaths involving fentanyl spiked in 2006 and increased again beginning in 2014. For the same time periods, the use of fentanyl in combination with other drugs contributed to increases in deaths involving other drugs.

- For other pharmaceutical opioids like oxycodone and hydrocodone, trends have been more gradual with peak numbers of deaths occurring before 2013.

- Benzodiazepines and cocaine were detected in combination with opioids in approximately 90% and 70% of deaths, respectively.

(Source: Philadelphia Department of Public Health, Medical Examiner’s Office)
Of the 1,285 overdose deaths that occurred in Philadelphia in 2014-2015, 90% were among Philadelphia residents and 10% among people who lived elsewhere. For residents and non-residents, the places of where overdoses occurred were comparable. Most non-residents who died from overdoses resided in nearby parts of Pennsylvania, New Jersey, Delaware, and Maryland.

Overdose deaths occurred among residents of all planning districts, but rates of death varied widely among residents of different planning districts.

(Source: Philadelphia Department of Public Health, Medical Examiner’s Office)
Rates of Opioid-related Overdose Deaths, by Gender, Race/ethnicity, and Age, 2015, Philadelphia Residents Only

For opioid-related deaths:
- The rate among males was more than three times higher than among females.
- Rates were more than two times higher among whites than African-Americans. Rates among people of Hispanic ethnicity were intermediate.
- Rates were highest among persons 25-59 years of age.

* Deaths among persons in other race/ethnicity groups were too few to calculate a rate

(Source: Philadelphia Department of Public Health, Medical Examiner’s Office)

Percentage of Hospital Emergency Department Visits for Treatment of Opioid Drug Overdoses, 2007-2015, Philadelphia

- In addition to people who died from opioid overdoses, many more were treated in hospital emergency departments.
- The percentage of Philadelphia hospital emergency department visits related to opioid overdoses increased from approximately 0.4% in 2007 to nearly 0.7% in 2015.
- In 2015, there were over 6,500 emergency department visits for opioid overdoses.
- For each opioid-related death, there were approximately 12 hospital emergency department visits.

(Source: Philadelphia Department of Public Health, Division of Disease Control)
Recommendations

- Physicians should prescribe opioid painkillers less often, in lower doses, and for shorter duration. The CDC recently issued prescribing guidelines that discourage use of opioids for chronic pain. It also advised that for acute pain, treatment for three days is usually sufficient and that treatment for more than seven days is rarely necessary.  

- Physicians should use great caution when prescribing opioid pain relievers in patients who are also taking benzodiazepines and should avoid prescribing benzodiazepines in patients taking opioids because the combination of benzodiazepines and opioids is so dangerous. 

- Physicians should help their patients who are dependent on opioids get treatment. This can be through referral to methadone treatment or prescribing buprenorphine (Suboxone™), an opioid-like medication that reduces withdrawal symptoms and is safer than methadone. With readily available training and certification, office- or clinic-based physicians can prescribe buprenorphine.

- People in contact with those who use opioids should obtain the antidote naloxone (Narcan™), which can immediately reverse a potentially fatal opioid overdose. In 2014, Pennsylvania’s Physician General signed a “standing order” for naloxone. This action, combined with passage of PA Act 139 of 2014, is intended to expand access to naloxone by first responders and families and friends of opiate users.

- In April 2016, the Pennsylvania Department of Health joined other state health agencies and professional organizations in requesting that Medicare, Medicaid, and hospital accreditation programs roll back aggressive pain management rules that require hospitals to ask every patient about pain routinely—a practice that has prompted overuse of opioid pain relievers.

Resources

- Prevention Point of Philadelphia provides education and training to expand access to naloxone.

- The Division of Addiction Services of Philadelphia’s Department of Behavioral Health and Intellectual disAbility Services, provides tools and resources for healthcare providers, people with drug dependence, and their families. Those seeking treatment who lack health insurance should contact the Behavioral Health Special Initiative at 215-546-1200. Those who have medical assistance or Medicaid should contact Community Behavioral Health at 888-545-2600.

- The Pennsylvania Department of Health is developing a prescription drug monitoring program that will allow those who prescribe and dispense opioids and other controlled medications “to monitor who is obtaining opioids, who prescriptions are being obtained from, and how often they are prescribed.”

- In April 2016, the Pennsylvania Department of Human Services announced that it will fund the creation of 50 Centers of Excellence to improve treatment for addiction to opioids.
Notes


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