Philadelphia Narcan Administration by ZIP Code

01 January through 30 June 2015



DVIC CONTROL NUMBER: 15-959

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UNCLASSIFIED//FOR OFFICIAL USE ONLY Philadelphia Narcan Administration by ZIP Code

Scope: The following product contains summaries and analyst comments for monthly Narcan administration totals within the city of Philadelphia. The maps and analysis are derived from Narcan administration data provided by the Philadelphia Fire Department.

Discussion: Narcan, also called Naxolene, is a drug that can be used to reverse some or all of the symptoms of acute opiod overdose.² Opiods include: heroin, codeine, fentanyl, and morphine.¹ Narcan may be administered via a nasal spray (Figure 1) intravenously (Figure 2), intramuscularly, or subcutaneously.² Narcan is administered by Philadelphia Emergency Medical Services (EMS) personnel in cases when an opiod overdose is suspected.³ Narcan administration numbers can serve as an indicator of the location of opiod abuser populations, including those that abuse heroin.

Figure 1

Rx Only NALOXONE HYDROCHLORIDE

INJ., USP (1 mg/mL)

NOUS, INTRAMUSCULAR

NDC 0548-3369-00 STOCK NO 3365

LUCP ICTTH LUCP. LOCK PREFILLED

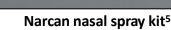




Figure 2

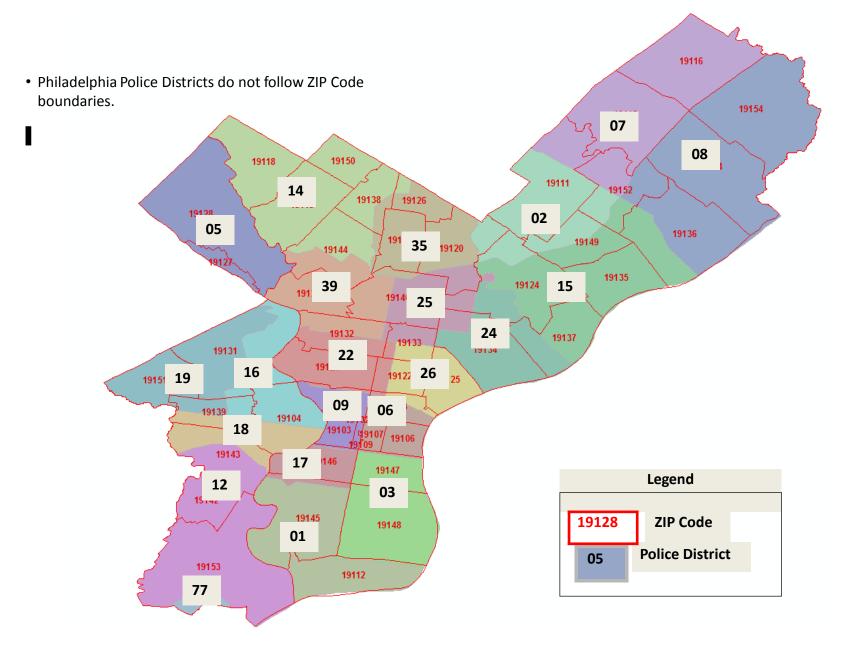
Narcan intravenous overdose protection kit⁴

Sources:

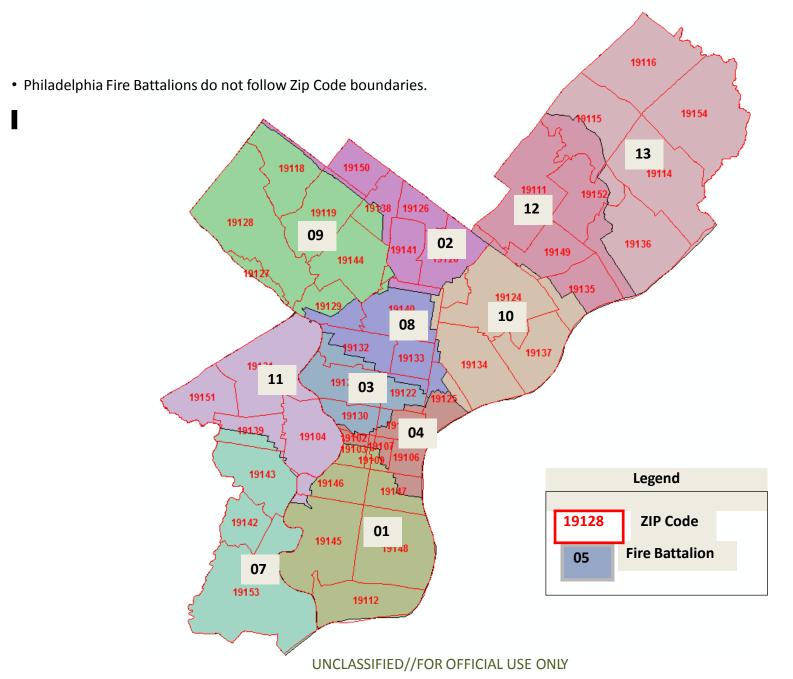
- 1. http://www.webmd.com/pain-management/guide/narcotic-pain-medications
- 2. http://www.rxlist.com/narcan-drug/indications-dosage.htm
- 3. <u>http://articles.philly.com/2012-04-08/news/31308598_1_naloxone-prescription-drug-overdoses-exchange-dirty-syringes</u>
- 4. http://www.statkit.com/image/cache/data/125-500x500.jpg
- 5. http://www.newsday.com/news/health/narcan-to-be-available-statewide-says-schneiderman-1.7594501

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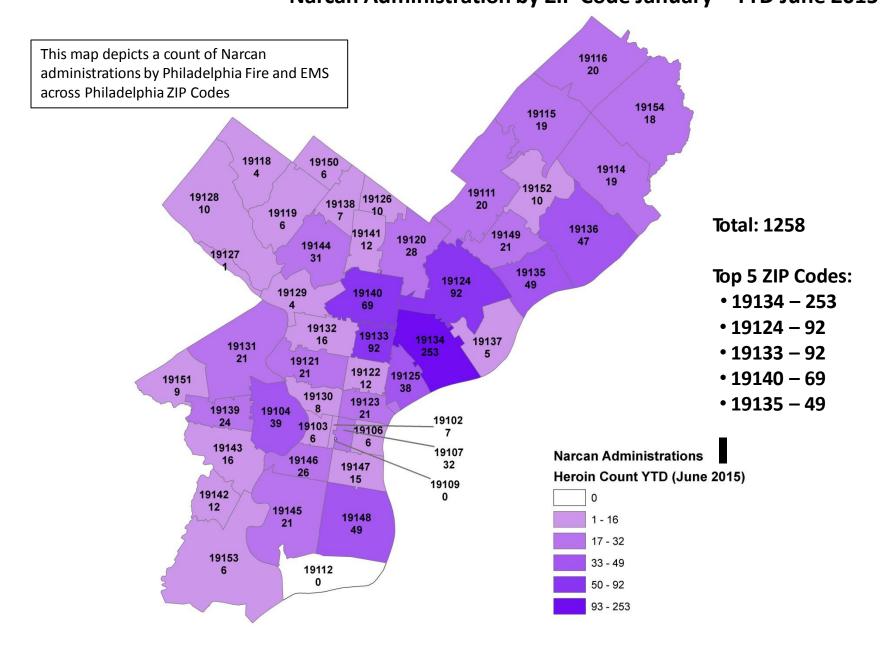
Philadelphia ZIP Codes and Philadelphia Police Districts



UNCLASSIFIED//FOR OFFICIAL USE ONLY Philadelphia ZIP Codes and Philadelphia Fire Department Battalions



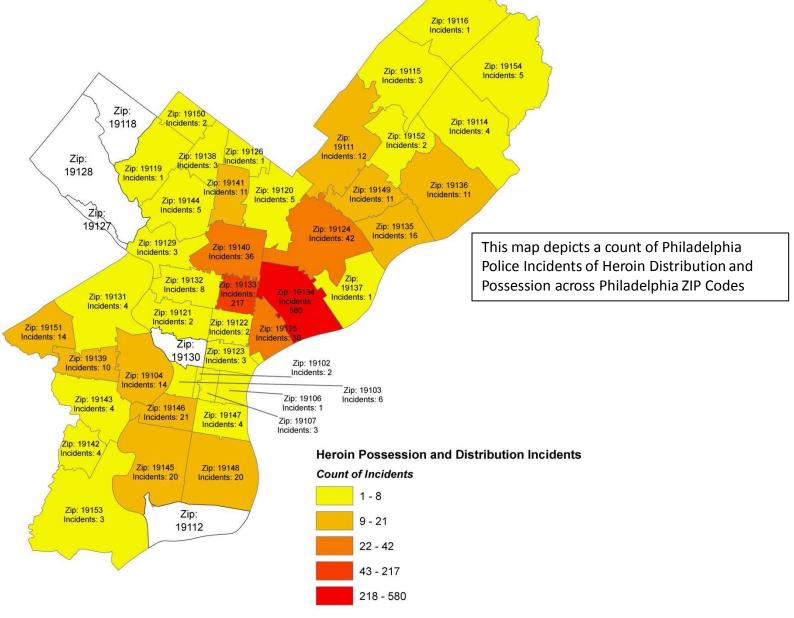
UNCLASSIFIED//FOR OFFICIAL USE ONLY Narcan Administration by ZIP Code January – YTD June 2015



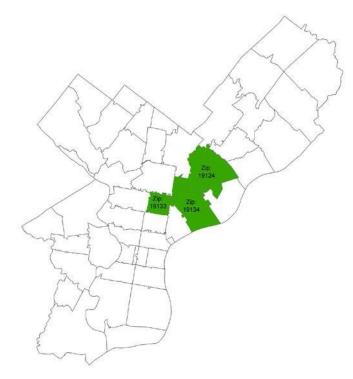
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Heroin Possession and Distribution Incidents by ZIP Code: Philadelphia, PA -



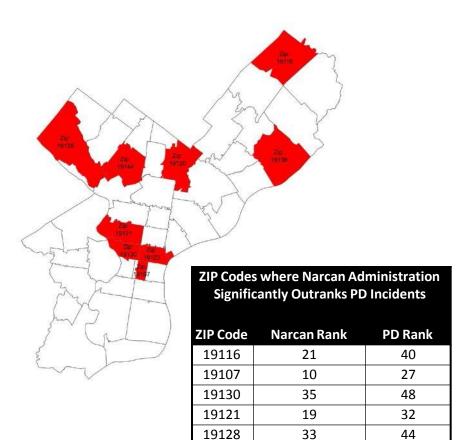


UNCLASSIFIED//FOR OFFICIAL USE ONLY Narcan Administration Rates Compared to Police Heroin Incidents by ZIP Code

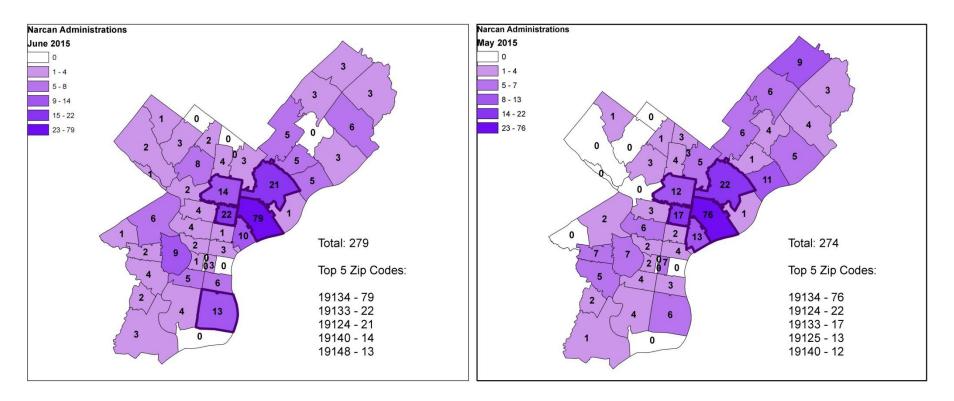


ZIP Codes where Narcan Administration Rank Matched PD Heroin Incident Rank

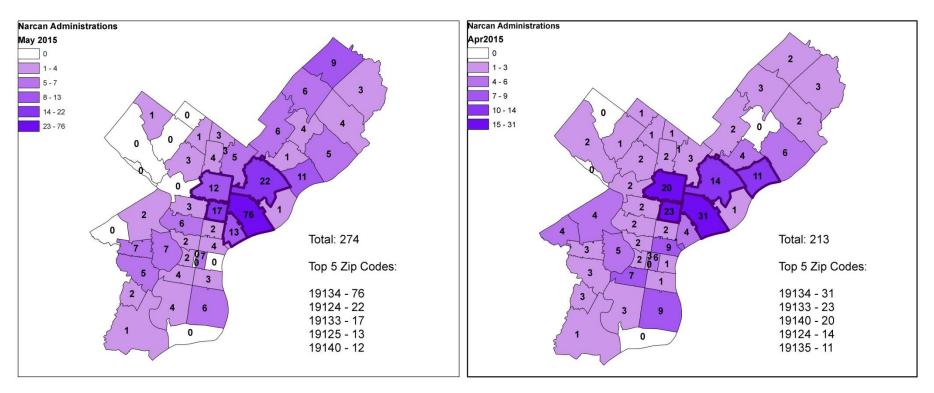
| ZIP Code | Narcan Rank | PD Rank |
|----------|-------------|---------|
| 19124 | 3 | 3 |
| 19133 | 2 | 2 |
| 19134 | 1 | 1 |



Narcan Administration by ZIP Code 2015 – June-May

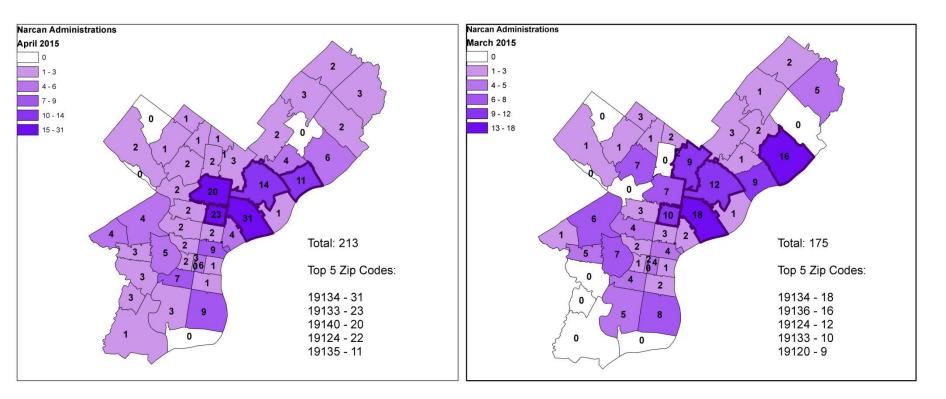


- 5 more Narcan administrations in June 2015 than May 2015.
- 7 ZIP Codes in which there were no Narcan administrations in June 2015.
- ZIP Codes 19134, 19124, and 19133 have been in the Top 5 ZIP Codes for the highest number of Narcan administrations in June 2015, and for the previous 5 months. ZIP Code 19140 has also been in the Top 5 ZIP Codes for the highest number of Narcan administrations in June 2015 and for the previous 2 months.



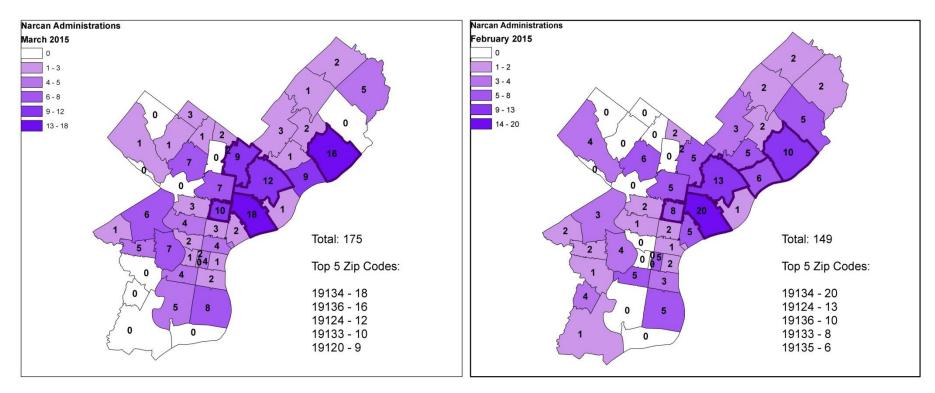
- 61 more Narcan administrations in May 2015 than April 2015.
- 10 ZIP Codes in which there were no Narcan administrations in May 2015.
- ZIP Codes 19134, 19124, and 19133 have been in the Top 5 ZIP Codes for the highest number of Narcan administrations in May 2015, and for the previous 4 months.

Narcan Administration by ZIP Code 2015 – April - March



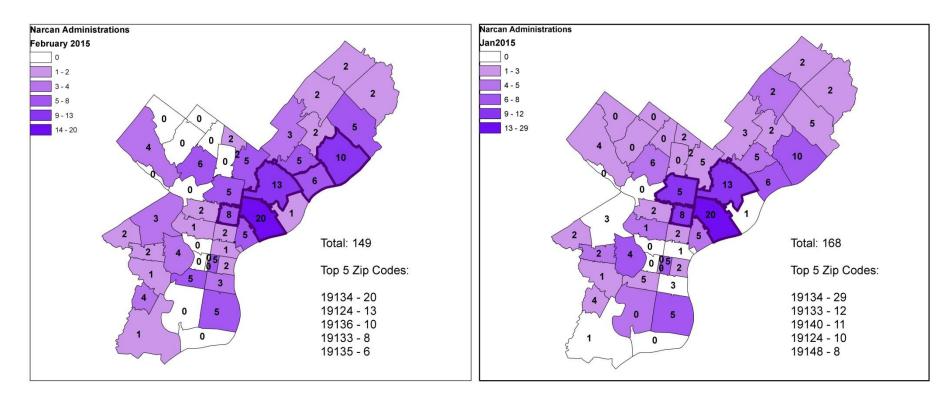
- 38 more Narcan administrations in April 2015 than March 2015.
- 5 ZIP Codes in which there were no Narcan administrations in April 2015.
- ZIP Codes 19134, 19124, and 19133 have been in the Top 5 ZIP Codes for the highest number of Narcan administrations in April 2015, and for the previous 3 months.

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- 26 more Narcan administrations in March 2015 than February 2015.
- 10 ZIP Codes in which there were no Narcan administrations in March 2015.
- ZIP Codes 19134, 19124, and 19133 have been in the Top 5 ZIP Codes for the highest number of Narcan administrations in March 2015, and for the previous 2 months.

UNCLASSIFIED//FOR OFFICIAL USE ONLY Narcan Administration by ZIP Code 2015 – February – January



- 19 fewer Narcan administrations in February 2015 than January 2015.
- 13 ZIP Codes in which there were no Narcan administrations in February 2015.
- ZIP Codes 19134, 19124, and 19133 have been in the Top 5 ZIP Codes for the highest number of Narcan administrations in both February and January 2015.