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# **Data Snapshot:**

## **Drug Poisoning and Opioid-Related Deaths among Illinois Women of Reproductive Age**

**Illinois Department of Public Health  
Office of Women's Health and Family Services**

**May 18, 2018**

# Methods

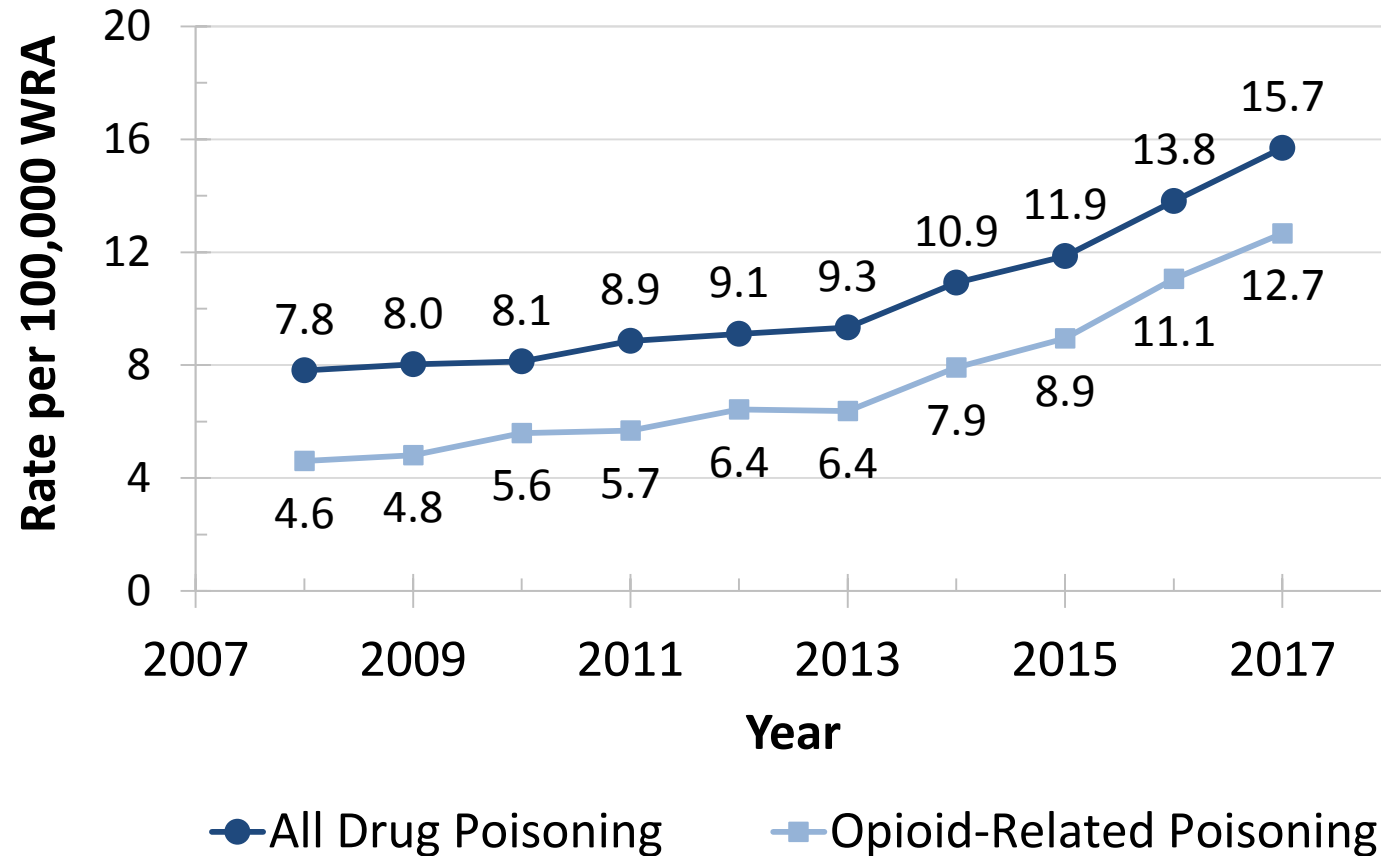
- *Data Source*: Death certificates
- *Time Period*: 2008 – 2017
  - 2008-2016 data are final
  - 2017 data are provisional and may be subject to change
- *Mortality Rate* = 
$$\frac{\# \text{ deaths}}{\# \text{ women ages 15-44 in population}} * 100,000$$
  - Population estimates derived from U.S. Census Bureau inter-censal and post-censal estimates for 2008-2016

# Methods: Identifying Causes of Death

- “Drug poisoning death” = underlying cause of death ICD-10 codes X40-X44, X60-X64, X85, or Y10-Y14
- Among drug poisoning deaths, those related to opioids were identified by multiple-cause mortality codes:
  - T40.0 = opium
  - T40.1 = heroin
  - T40.2 = natural and semi-synthetic (“prescription”)
  - T40.3 = methadone
  - T40.4 = synthetic (including fentanyl)
  - T40.6 = other and unknown type

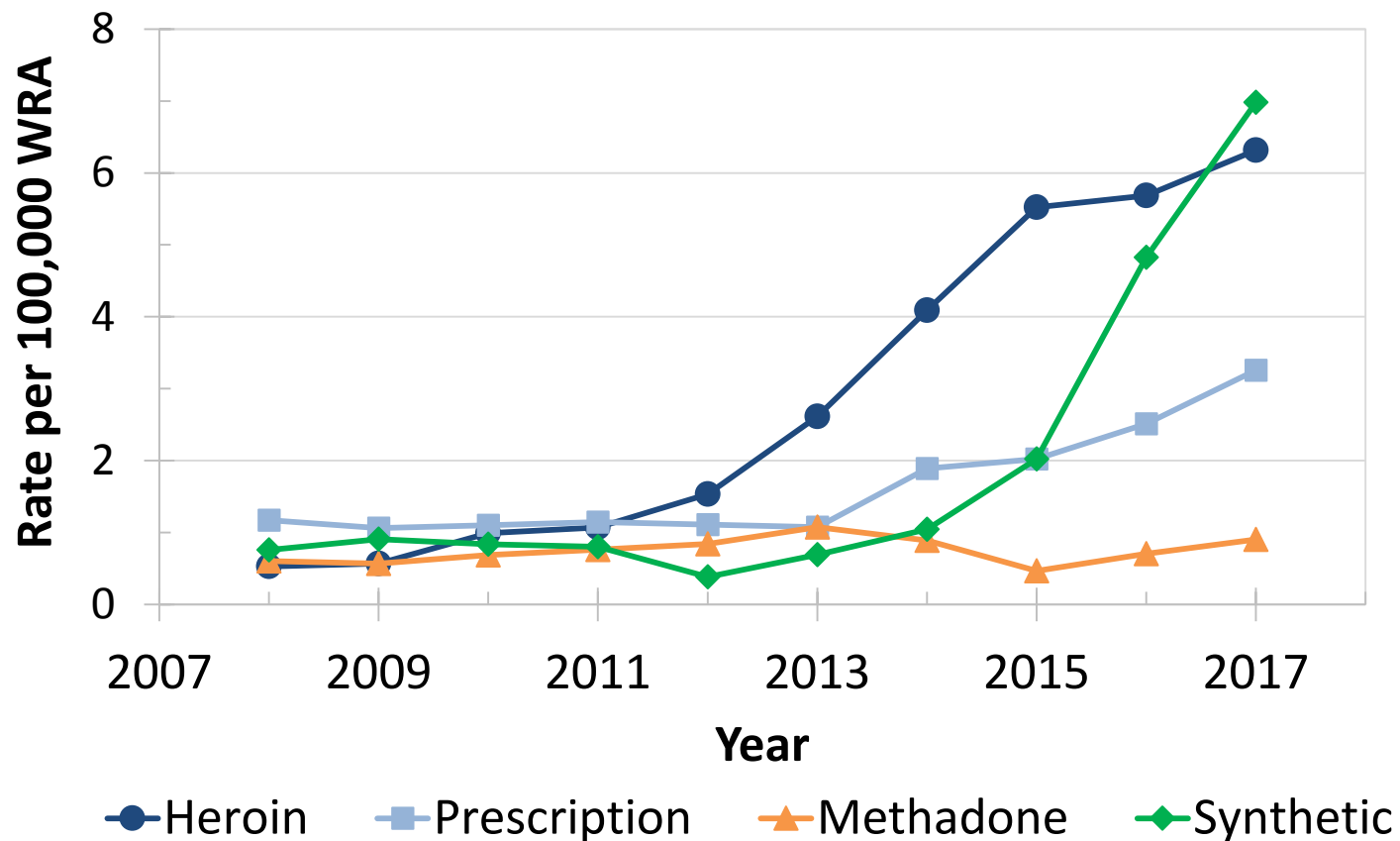
# **DEATHS TO WOMEN OF REPRODUCTIVE AGE** ***(WOMEN AGES 15-44)***

# Rate of Drug Poisoning Deaths among Illinois Women of Reproductive Age (WRA; 15-44 years), 2008-2017



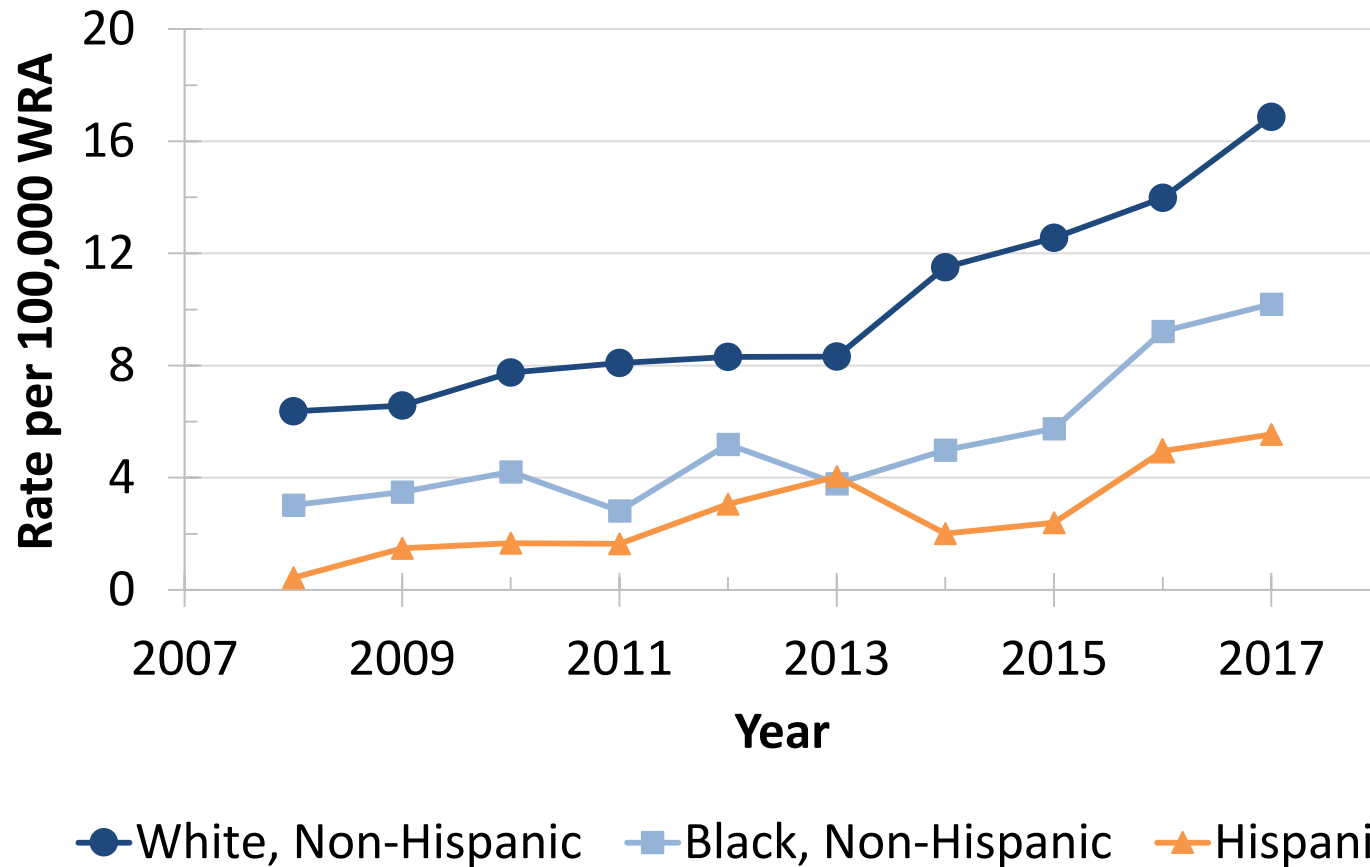
- The rate of drug poisoning deaths for WRA **increased 101%** between 2008 and 2017.
- The rate of opioid-related poisoning deaths for WRA **increased 175%** from 2008 to 2017.

# Rate of Opioid-Related Poisoning Deaths Among Illinois Women of Reproductive Age (WRA), By Opioid Type



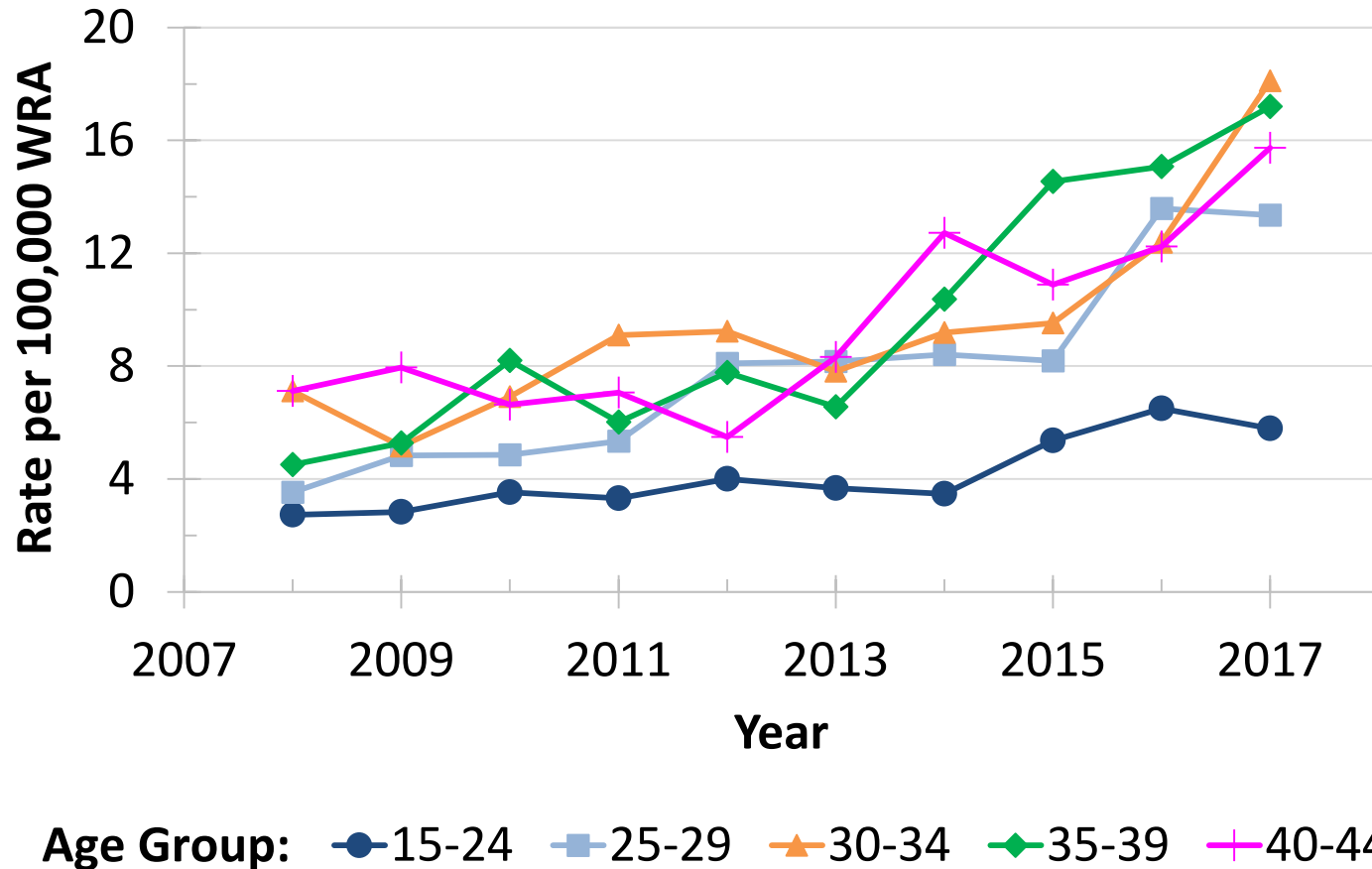
- The rate of heroin-related deaths for WRA **increased more than 10-fold** in ten years
- The rate of synthetic-opioid-related deaths for WRA **increased by 9-fold** in only four years

# Rate of Opioid-Related Poisoning Deaths Among Illinois Women of Reproductive Age (WRA), By Race/Ethnicity



- The rate of opioid-related deaths is **highest among non-Hispanic white** WRA
- White, Black and Hispanic WRA have all experienced increases in opioid-related deaths over the last 10 years

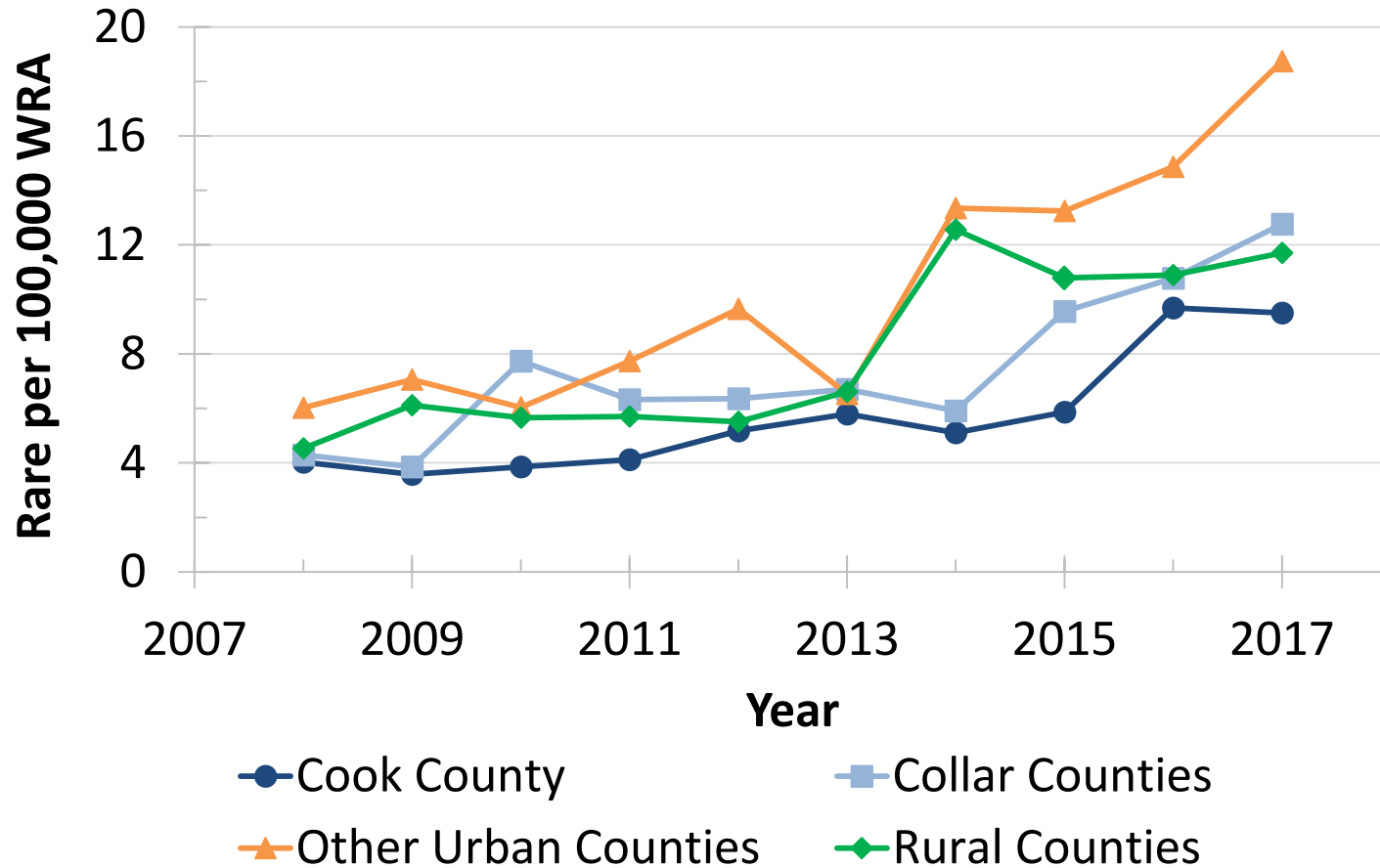
# Rate of Opioid-Related Poisoning Deaths Among Illinois Women of Reproductive Age (WRA), By Age Group



- The rate of opioid-related deaths is highest among women 30 and older.
- All groups have seen an increase in opioid-related deaths, but the relative increase was smallest among women ages 15-24.



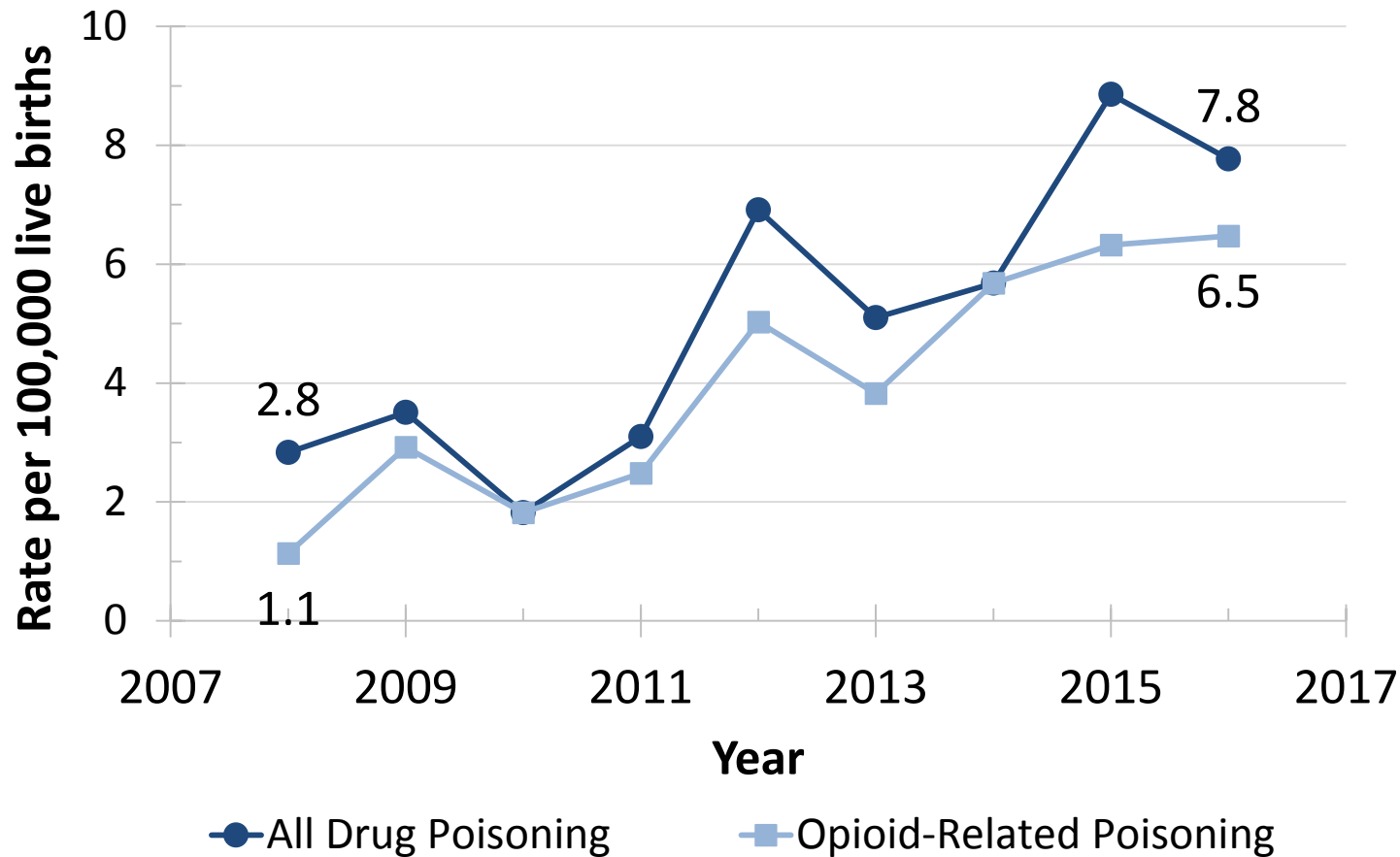
# Rate of Opioid-Related Poisoning Deaths Among Illinois Women of Reproductive Age, By County of Residence



- The rate of opioid-related deaths is highest among WRA living in urban counties outside the Chicago area.
- All areas have experienced an increase in opioid-related deaths for WRA over the last 10 years.

**PREGNANCY ASSOCIATED DEATHS**  
***(DEATHS WITHIN ONE YEAR OF A PREGNANCY)***

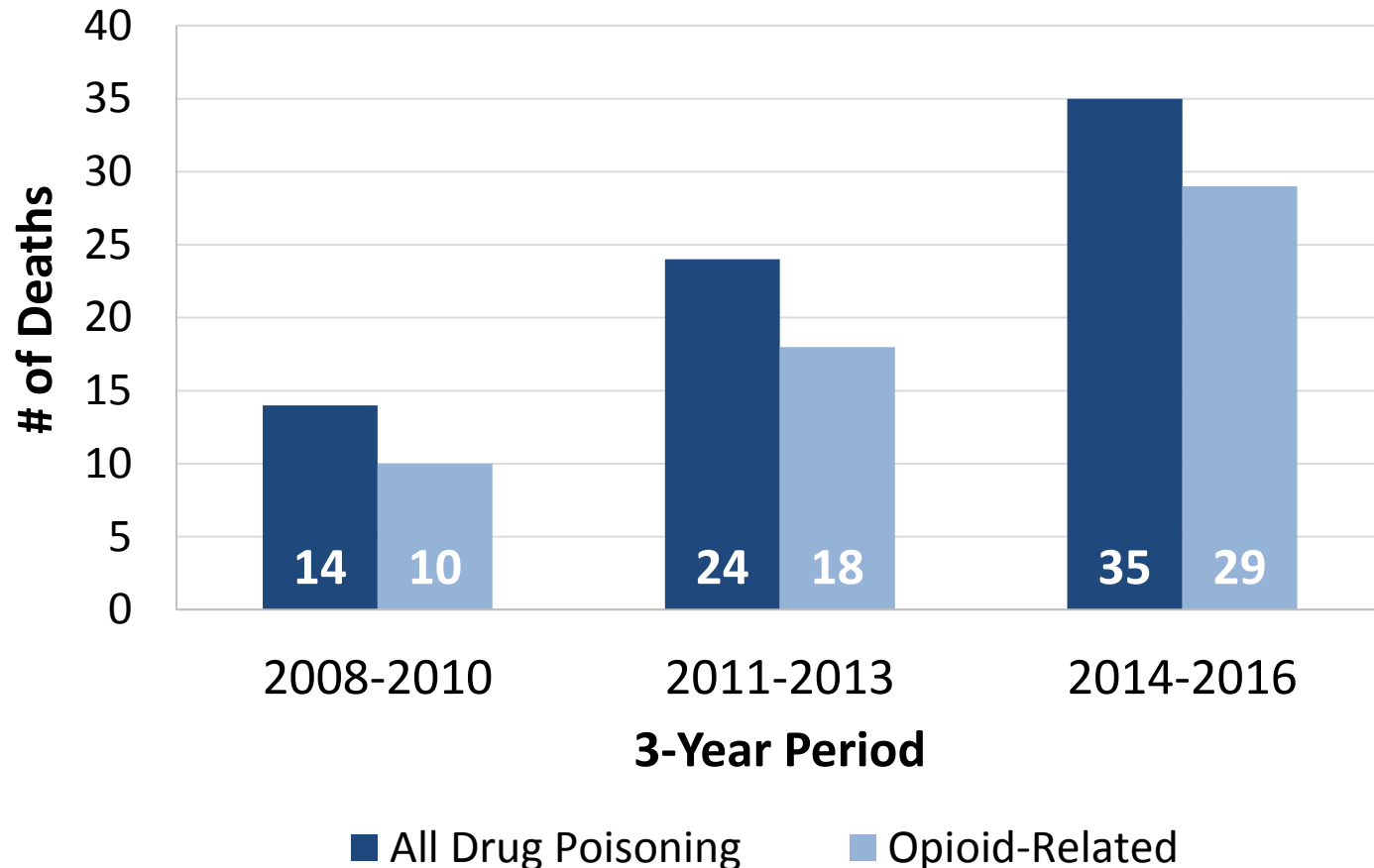
# Rate of Pregnancy-Associated Deaths Due to Drug Poisoning, Illinois Residents, 2008-2016



*Between 2008 and 2016:*

- Pregnancy-associated deaths related to any drug poisoning **nearly tripled.**
- Pregnancy-associated deaths specifically related to opioid poisoning **increased almost 6-fold.**

# Number of Pregnancy-Associated Deaths Due to Drug Poisoning, Illinois Residents, 2008-2016



- The number of drug poisoning and opioid-related deaths has increased over time.
- Opioids were involved in 83% of pregnancy-associated drug poisoning deaths during 2014-2016.



**For more information, contact:**

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