

MNO Neonatal Initiative

Mothers and Newborns affected by Opioids

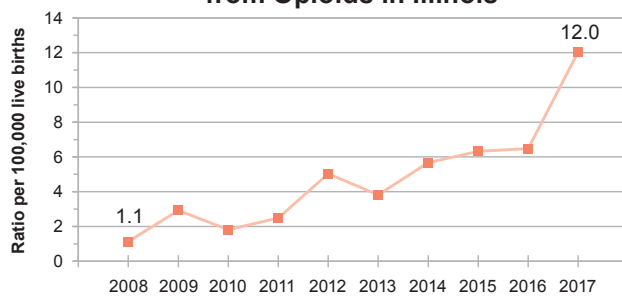


THE PROBLEM

The use of **opioids in pregnancy has drastically increased** in recent years. This affects **two vulnerable populations: pregnant women and their babies.**

Since 2008, pregnancy-associated deaths from opioid overdoses have **INCREASED 1000%**

Pregnancy-Associated Overdose Deaths from Opioids in Illinois



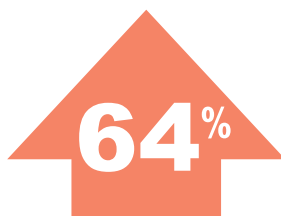
Data Source: Illinois death certificates¹

Drug overdose is currently the leading cause of death in pregnant and postpartum women in Illinois.

Source: Data Snapshot: IDPH, March 2019²

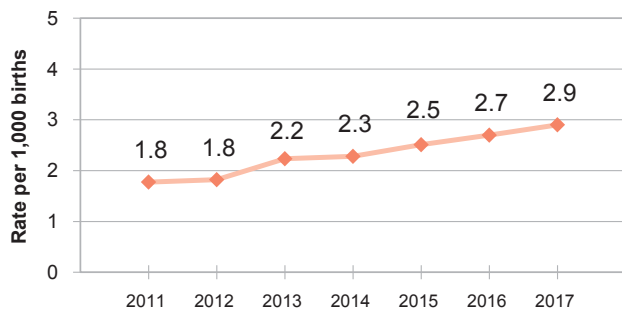
Neonatal Opioid Withdrawal Syndrome (NOWS)

formerly known as Neonatal Abstinence Syndrome (NAS)



In Illinois there was a **64% increase** in the rate of NOWS between 2011 and 2017

Neonatal Opioid Withdrawal Syndrome Rate in Illinois



Source: Illinois hospital discharge data, inpatient file³

Infants with NOWS born in Illinois have longer hospital stays and higher hospital charges than infants without NOWS.

In 2017:



The median **LENGTH OF HOSPITAL STAY AFTER BIRTH** was 11 days longer

Charges for the **BIRTH HOSPITALIZATION** were about **\$40,000 more**

Total charges for **HOSPITAL CARE** were nearly **\$25 million higher** than what would have been expected if they had been born without NOWS



¹ Chart Source: Data Snapshot: Opioid Poisoning Deaths among Illinois Women of Reproductive Age, IDPH Office of Women's Health and Family Services, March 2019
² Data Snapshot: Opioid Poisoning Deaths among Illinois Women of Reproductive Age, Illinois Department of Public Health Office of Women's Health and Family Services March 2019
³ Chart Source: NAS Advisory Committee Final Report, March 2019

To learn more about ILPQC, visit www.ilpqc.org

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MAKING CHANGE HAPPEN: *MNO Neonatal Initiative*

In Illinois, 88 birthing hospitals are participating in the ILPQC **Mothers and Newborns affected by Opioids (MNO) Neonatal Initiative**, working to implement system-wide protocols and culture changes to improve outcomes for opioid-exposed newborns (OENs).

MNO NEONATAL AIMS



Decrease proportion of OENs **REQUIRING PHARMACOLOGIC TREATMENT**

TO BELOW **20%**



Increase proportion of eligible OENs **RECEIVING MATERNAL BREASTMILK**

TO ABOVE **70%**

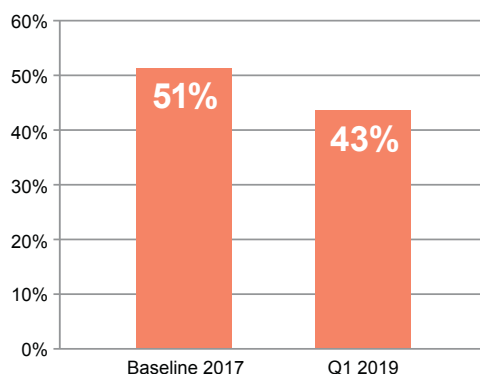


Increase proportion of OENs **DISCHARGED WITH A SAFE DISCHARGE PLAN**

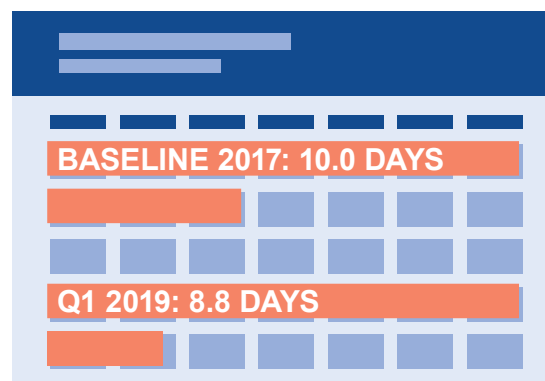
TO ABOVE **95%**

SEEING PROGRESS

Percent of OENs with NOWS Symptoms Requiring Pharmacologic Treatment



Median Length of Stay for OENs with NOWS Symptoms



Illinois Perinatal Quality Collaborative (ILPQC) is a multi-disciplinary, multi-stakeholder collaborative with 119 participating Illinois hospitals.

ILPQC supports hospitals'

implementation of evidence-based practices using:

- **QUALITY IMPROVEMENT SCIENCE**
- **COLLABORATIVE LEARNING**
- **RAPID RESPONSE DATA**

ILPQC meets monthly with **KEY STAKEHOLDERS:**

- 31 physicians and nurses representing 19 hospitals on Neonatal Advisory Workgroup
- 3 patient/family advisors
- Illinois Department of Public Health and the Regionalized Perinatal System
- Illinois Department of Human Services
- Illinois Department of Healthcare and Family Services
- Centers for Disease Control and Prevention