

MNO Neonatal Initiative

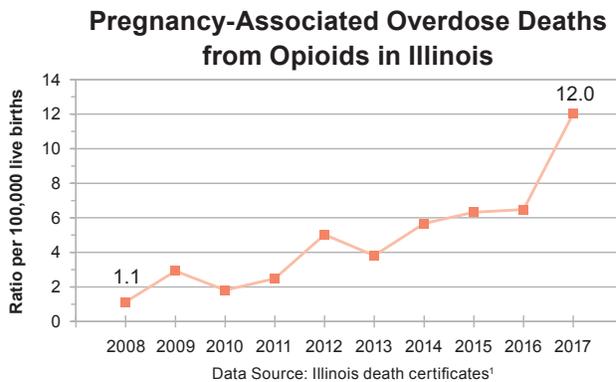
Mothers and Newborns affected by Opioids

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%**



In Illinois between 2016-17, 40% of pregnancy-related deaths were related to mental health conditions including substance use disorder.

Source: IDPH MMRC Report (April 2021)²



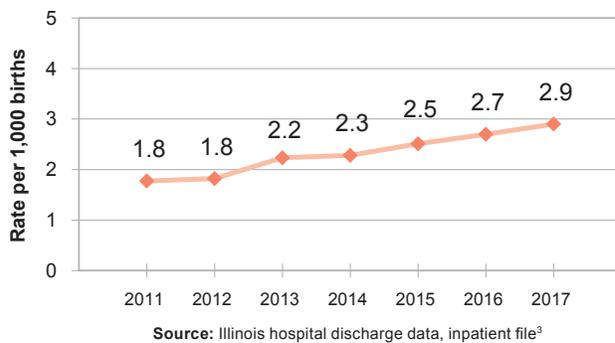
Neonatal Opioid Withdrawal Syndrome (NOWS)

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



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: Illinois Maternal Morbidity and Mortality Report, IDPH, April 2021

³ Chart Source: NAS Advisory Committee Final Report, March 2019

MNO Neonatal Initiative

Mothers and Newborns affected by Opioids

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%**

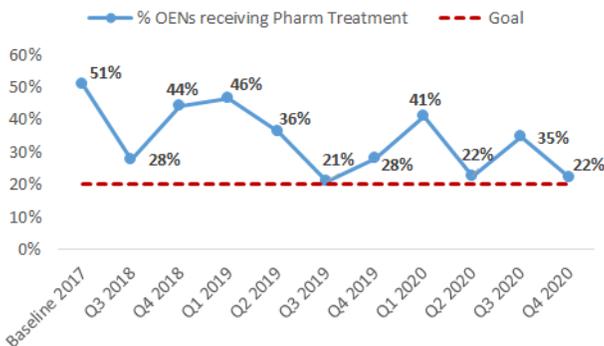


Increase proportion of OENs DISCHARGED WITH A SAFE DISCHARGE PLAN

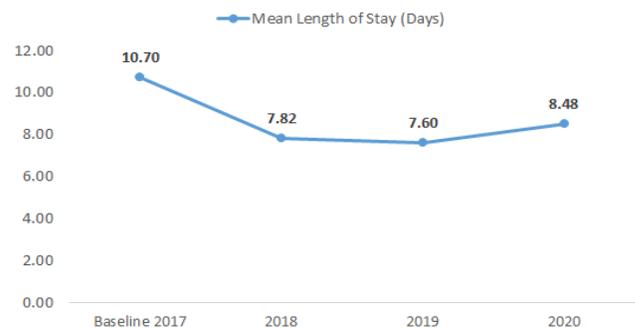
TO ABOVE **95%**

SEEING PROGRESS

Percent of OENs Receiving Pharmacologic Treatment



Mean Length of Stay for all OENs



Illinois Perinatal Quality Collaborative (ILPQC) is a multi-disciplinary, multi-stakeholder collaborative with 106 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