

# Decreasing the Length of Treatment of Infants affected by Neonatal Abstinence Syndrome through Improved Non-Pharmacologic Measures



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## PROBLEM STATEMENT

We are focusing on continuing to improve antenatal education and outreach, enhancing inpatient non pharmacologic care for infants affected by NAS, including working with OB to provide a uniform approach to testing infants and screening and testing mothers. We are also starting to look at how to standardize outpatient and visiting nursing referrals.

## STATUS

- ONGOING

## FOCUS AREA

- NAS

## MEASURES

- Sex, Race, Birth weight, Gestational Age
- Length of Stay
- If PRN needed, number of PRN Morphine doses
- NICU admission required
- Length of Pharmacologic Treatment
- Rescue treatment required
- Any breastfeeding at discharge
- Pamphlet given/ Prenatal consult completed
- Adherence to ESC Protocol
- Parental Presence at the bedside (hours)

## MEET THE TEAM!

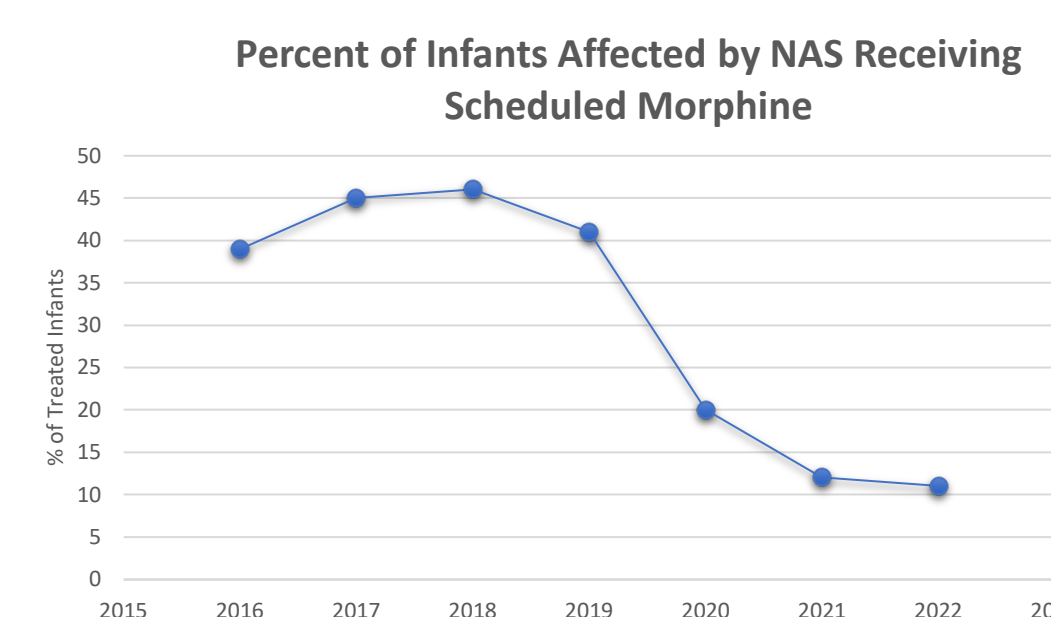
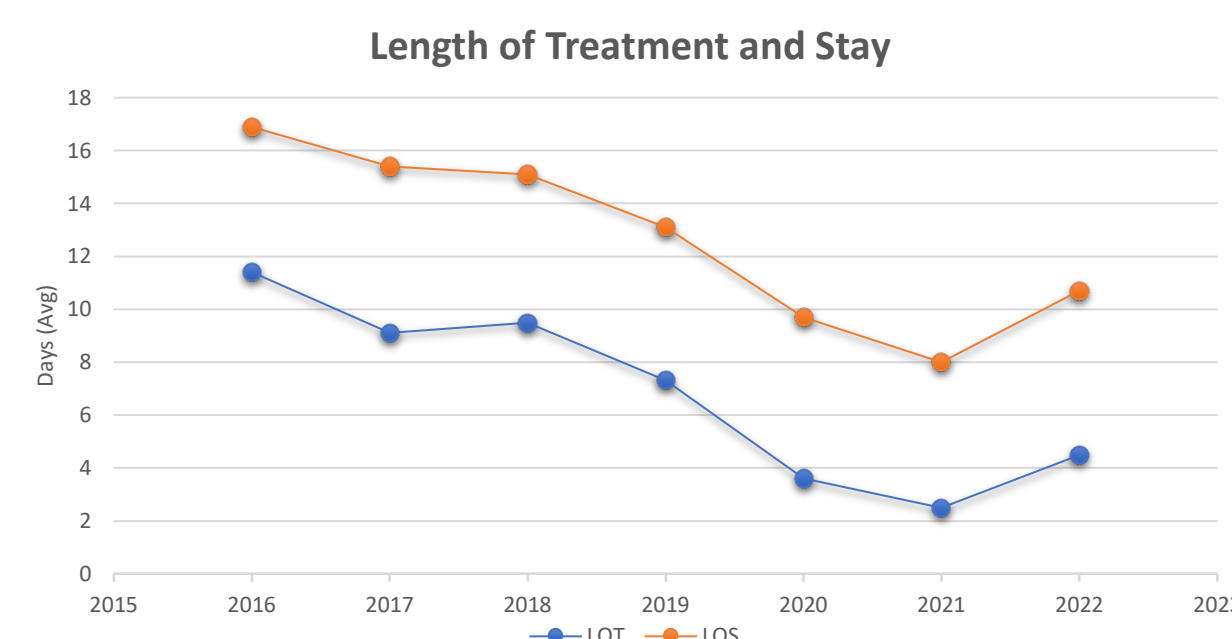


## KEY INTERVENTIONS

**Sustain:** Multidisciplinary meetings, distribution of pamphlets, non-pharmacologic supportive measures  
**Improve:** Formalized ESC education; rates of any breastfeeding at discharge; Unified approach to testing infants in concert with OB to develop standardized screening and testing of mothers, post discharge follow-up (who gets EI referral) and evaluation of Plan of Safe Care, community out-reach through clinics and support groups (and visiting nursing), continued outpatient education, inpatient OT consults  
**Start:** Infant massage training, evaluating rates of breastfeeding while stratifying for race, and examining parental presence stratified by race

## RESULTS

	2016 (n=38)	2017 (n=40)	2020 (n=25)	2021 (n=25)	2022 (n=28)
LOT (mean, days)	11.4	9.1	3.6	2.5	4.5
LOS (mean, days)	16.9	15.4	9.7	8	10.7
Pharm. Treated (infants)	18/38 (47%)	18/40 (45%)	6/25 (24%)	3/25 (12%)	3/28 (11%)
Any BF (at discharge)			52%	24%	64%



## ENGAGING THE COMMUNITY

- Presenting at multiple Grand Rounds in the region to educate outpatient pediatricians
- Creating a podcast through CHOP
- Partnering with OB to form a QI/QA Group
- Attending Plan of Safe Care meetings
- Learning about Justice Works
- Speaking at a local methadone clinic (at group time)
- Sharing our Breastfeeding Traffic Light
- Celebrating our wins
- Adding a Patient Advocate to our team (officially)



**SPECIALTY WOMEN'S GROUP:**  
WHEN: TUESDAY, JANUARY 31, 2023  
TIME: 10:00 - 11:30 A.M.  
FOCUS: METHADONE AND PREGNANCY  
WHO: Special Presentation Brought to You by Medical Team From EINSTEIN HOSPITAL Who Work With Mothers on Methadone – hear from doctors, nurses and social workers from the NICU  
HOW: Please see ALEX (counselor) to sign up as space is limited to 20 people (you will get credit for 1 full group for attendance)

## WE WOULD LOVE TO KNOW...

- How are hospitals improving rates of breastfeeding?
- Has anyone worked with OB to standardize maternal testing and screening?
- What is being considered a validated training tool for standardized ESC scoring?
- Has anyone care for an infant that required readmission for withdrawal after discharge since using ESC?
- Have you cared for infants requiring second line medications since using ESC?