



# MNO- Neo Teams Call: Opportunities for and Barriers to Achieving Success

February 17<sup>th</sup>, 2020 1:00 – 2:00pm

# Call Overview



- ILPQC General Updates
- MNO-Neo: Support Hospital Teams to Achieve the Initiative Goals
- Team Talk
- QI Corner
- ILPQC in 2020



## SAVE THE DATE

- What: ILPQC Spring 2020 OB & Neonatal Face to Face Meetings
- When: Wednesday, May 20<sup>th</sup> (OB) and Thursday, May 21<sup>st</sup> (Neo) 2020
- Where: Abraham Lincoln DoubleTree,
   Springfield, IL

Registration & Room Block Coming

Soon...

# 2020 Face-to-Face Volunteer Opportunities



### Planning Committee Members

- ILPQC is now recruiting volunteers for our 2020 F2F Planning Committee.
  - Bi-weekly phone calls to share input/feedback
  - Help with day of activities
  - Email <u>aperrault@northshore.org</u> if interested

### F2F Breakout Facilitators

- ILPQC will be working with each perinatal network to recruit:
  - 1 RN & 1 OB Provider, for total of 10 pairs
  - 1 RN & 1 Neonatal provider, for total of 10 pairs
  - More info coming soon!

# Face to Face MNO-Neo QI Awards

#### Award criteria will be the same, but for a different time period:

- ALL Patient & Structure Measures Submitted:
  - Baseline and July 2018 March 2020 data
  - \*note: if any monthly data is missing, a team won't qualify for an award\*
- Structure Measures 'IN PLACE' by March 2020:
  - Neonatal Prenatal Consult
  - Non-Pharmacologic Protocol
  - Pharmacologic Protocol
  - Discharge Plan
- Outcome Measures Achieved by March 2020:
  - Breastfeeding >70%
  - Pharm treatment <20%</li>
  - Discharge plan >95%



# Face to

Award criter

Are your baseline and 2018 & 2019 initiative data in?

Don't miss your chance to receive a QI Award because your team's data are missing







# F2F Storyboard Session



- All teams will bring a storyboard to the Face to Face to share their work on current and upcoming initiatives
- For MNO-Neo, share your progress toward crossing the finish line including implementation of the 4 key strategies
- For BASIC Wave 1 teams, share your BASIC QI Team and strategies for data collection

#### Sample Layout MNO-Neo Hospital & **NAS Clinical Progress** QI Team Debrief towards key Example Overview strategies 10-20-30d BASIC MNO-Neo Crossing Wave 1 Finish Line Data QI team Plan **Strategies** for BASIC MNO-Neo QI team data Data choice collection

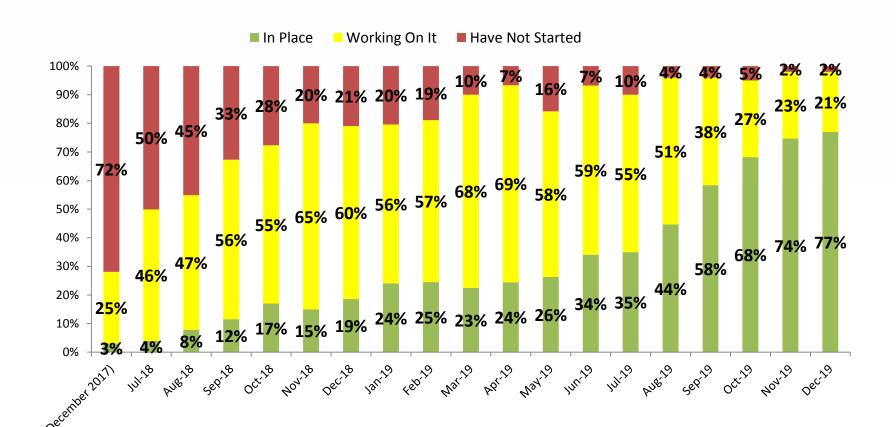
Bring your MNO Folders to display alongside your storyboard!



# MNO-NEO DATA REVIEW



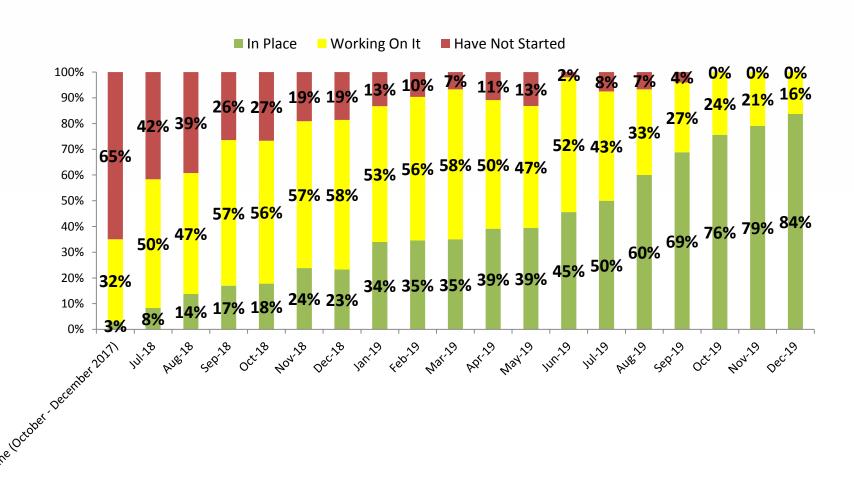
### Prenatal Consult Structure Measure



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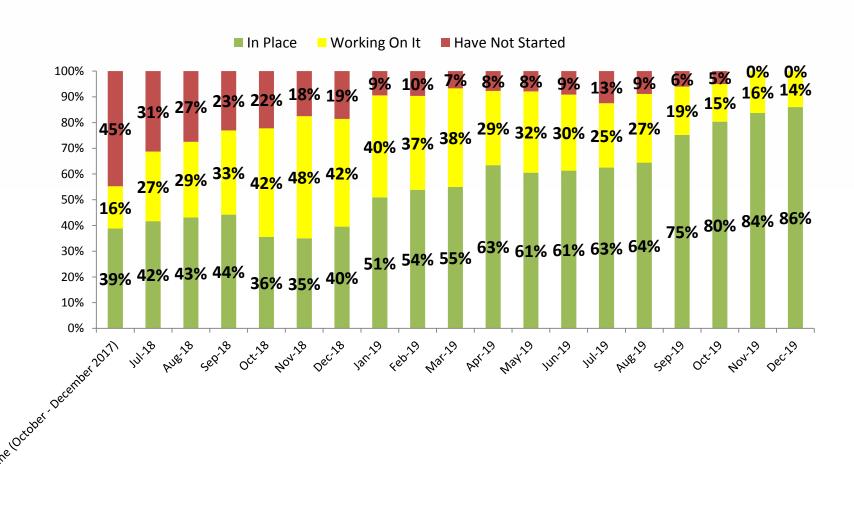
## Non-Pharm Care Protocol Structure Measure





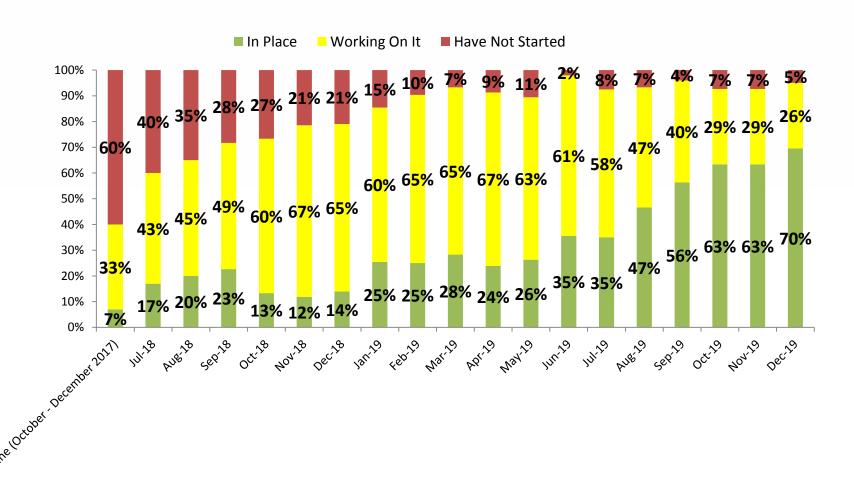
## Pharmacologic Treatment Protocol Structure Measure





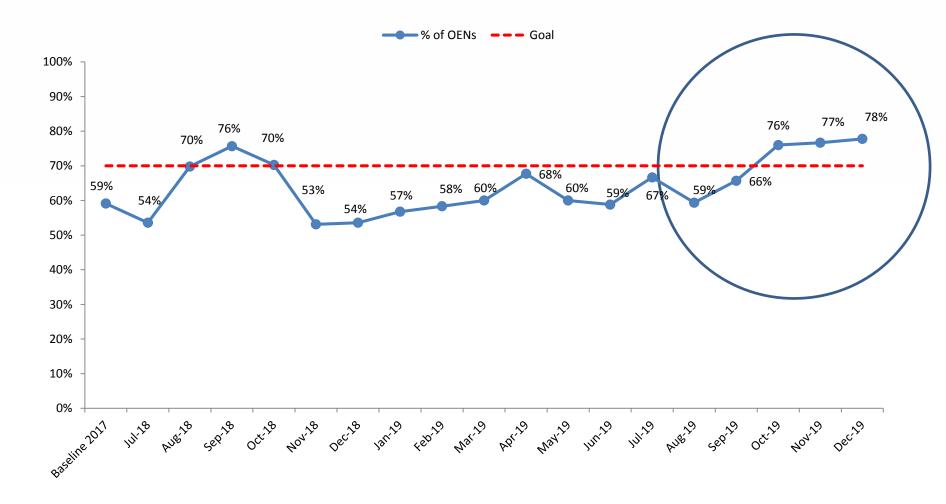
## Coordinated Discharge Protocol Structure Measure





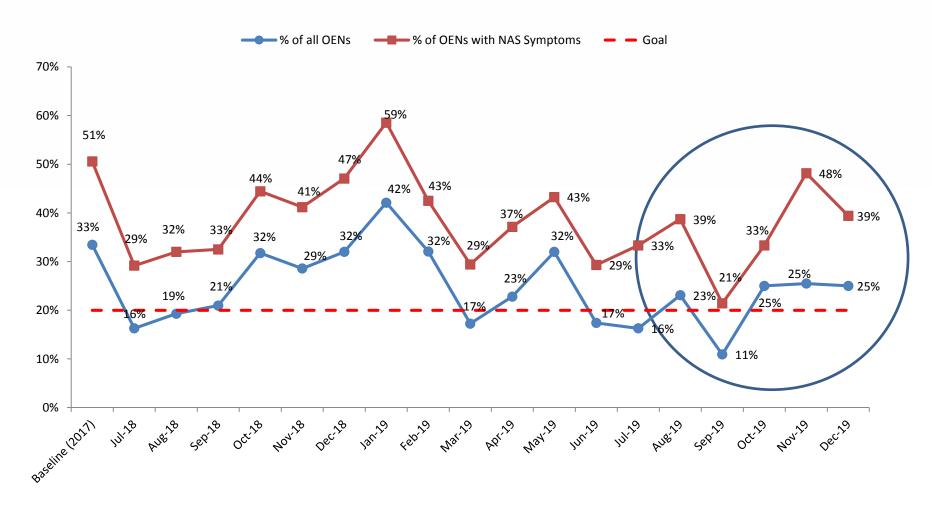
# Received Maternal Breastmilk from Eligible Mothers at Infant Discharge





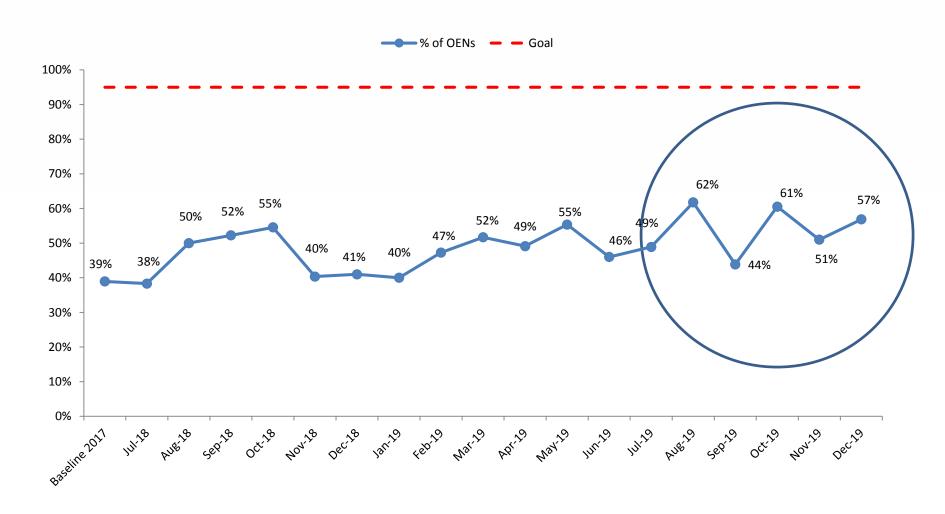
# Received Pharmacologic Treatment





# Discharged with a Coordinated Plan







# MNO-NEO STRATEGIES FOR SUCCESS

### **Key Strategies for MNO Success**

## - What every hospital needs to achieve aims



NAS signs and symptoms assessment tool

 Implementation of an NAS assessment tool to assist in partnering with mothers/families in providing non-pharm care as the 1<sup>st</sup> line tx.

MNO-Neo Folders  Create MNO folders to store in common area for nurse to pull for every OEN. Engage all clinical care team members with key tools and provide materials to mothers/families.

MNO-Neo Education Campaign  Hang posters, hand out flyers, and provide online training, Grand Rounds and MNO talks at provider meetings

We are working with perinatal network administrators on opportunities for teams to discuss strategies regionally

NAS Clinical Debrief  Implementation of a NAS Clinical Debrief Review Form with the clinical team for every infant with NAS

# Key Strategies for MNO-Neo Success IL PQC

- What every hospital needs to achieve aims



NAS signs and symptoms assessment too • Implementation of an NAS assessment tool to assist in partnering with mothers/families in providing non-pharm care as the 1st line tx.

#### **Potential Barriers**

- Hospital wants to transition to ESC, however there is a desire to stay with Modified Finnegan
- Unsure how to systematically engage every family in non-pharm care of **OENs**

#### **Opportunities**

- MNO-Neo team can continue to conduct modified Finnegan assessments while also reinforcing the Eat Sleep Console methodology. Can act on the ESC results (i.e. determine whether to give medication) while also tracking Modified Finnegan regardless of the results.
- The care team can track non-pharm care with the ILPQC Bedside Sheet & can empower the family to fill out the infant care diary

# Key Strategies for MNO-Neo Success IL PQC

## - What every hospital needs to achieve aims



NAS signs and symptoms assessment tool  Implementation of an NAS assessment tool to assist in partnering with mothers/families in providing non-pharm care as the 1st line tx.

MNO-Neo **Folders** 

 Create MNO folders to store in common area for nurse to pull for every OEN. Engage all clinical care team members with key tools and provide materials to mothers/families.

#### **Potential Barriers**

- 1. We are unsure of what should be included
- 2. Need to determine where the folders will be kept
- 3. Uncertain who will take on the responsibilities of upkeep

#### **Opportunities**

- Click this link for a quick print access of resources
- Consider keeping in a common area where RNs can access forms and resources
- Engage your unit concierges or secretaries to empower them in the care of OENs

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f a NAS Clinical rm with the very infant

# Key

- W

NAS syr asses:

#### **Potential Barriers**

- Unsure exactly where to hang posters/magnets/laminated algorithm/checklist for best use
- 2. Have not investigated e-modules, simulation guide
- 3. Unsure how to schedule Grand Round
- 4. Trouble engaging pediatricians in OEN Care

#### **Opportunities**

- Hang posters/flyers anywhere a care team member will see them-no wrong place
- Staff and MD lounges provide another option
- Visit ILPQC website to print more and schedule a grand rounds
- MNO-Neo team (including neonatologists)
   provide 'Just in Time' education to
   pediatricians (focusing on keeping the
   mom/baby together, ESC, etc.), created a 'Just
   in Time' educational packet for the
   pediatricians including provider & family
   education



 Hang posters, hand out flyers, and provide online training, Grand Rounds and MNO talks at provider meetings

# Neo Education Campaign is more than posters & flyers...

- Schedule a grand rounds/ peds meeting
- 2. Complete/Require e-modules
- 3. Implement ESC simulations

NAS Clinical Debrief  Implementation of a NAS Clinical Debrief Review Form with the clinical team for every infant with NAS

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# Key Strategies for MNO-Neo Success IL PQC

## - What every hospital needs to achieve aims



NAS signs and symptoms

ass/

 Implementation of an NAS assessment tool to assist in partnering with mothers/families in

**Potential Barriers** 

#### **Opportunities**

- Unsure what an NAS Clinical Debrief Is •
- Nervous to provide feedback
- Do not have enough time to complete
- NAS Clinical Debrief is a form your QI Team should use on a monthly basis for all OENs discharged to check if a patient received optimal elements of care and provide feedback to the clinical team.
- Include this as part of your monthly data collection and team meetings
- Identify a regular time to provide feedback to clinical care team



• Implementation of a NAS Clinical Debrief Review Form with the clinical team for every infant with NAS

# Make folders & store in common area Train charge nurses to get folder when made aware of

- Make folders & store in common area
- OEN for prenatal consult or newborn admission
- Share all the info with clinical care team

Give to and review with Moms

#### **Patient Education Materials**

- NAS- You are the **Treatment**
- NAS: What you Need to Know
- **ILPQC Newborn Care Diary**

#### **Clinical Team Resources**

- **Prenatal Consult Checklist**
- NAS Assessment tool (if needed)
- **ILPQC** Infant Bedside Sheet
- Your hospitals prn pharm guidelines
- St. Mary's Decision Tree
- **Breastfeeding Guidelines**
- **MNO** Discharge Worksheet
- MNO Discharge Checklist
- NAS Clinical Debrief Review Form



# MNO-Neo Provider Education Campaign

- Launched on December's MNO-Neo team call
- How can we help team's launch this campaign?



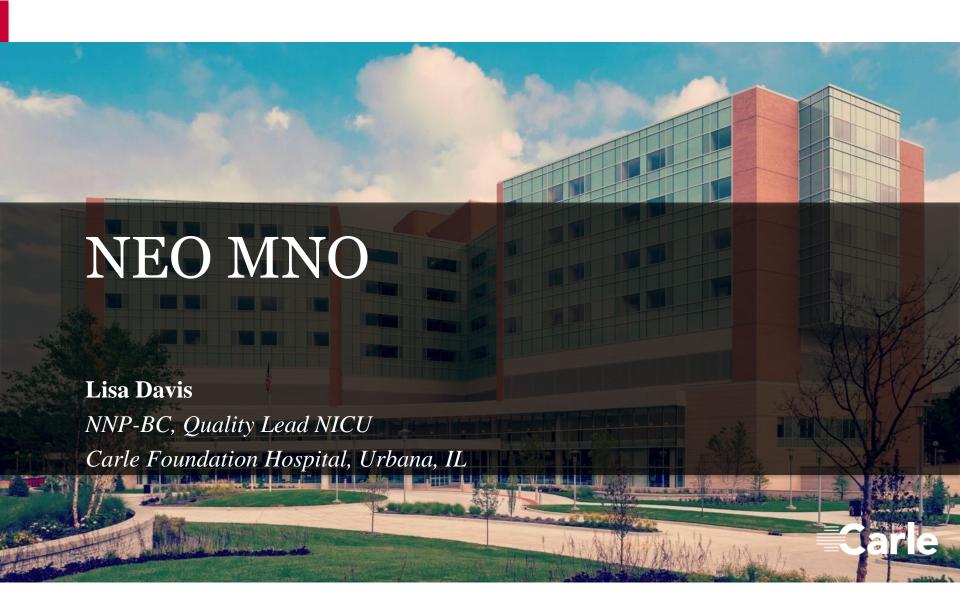


IL PQC

Illinois Perinatal
Ouality Collaborative



# TEAM TALK



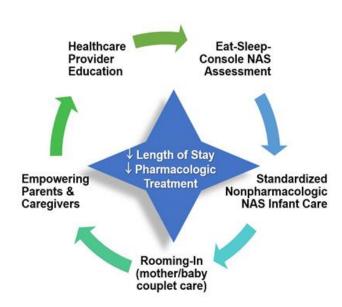
#### Timeline for MNO

- Multidisciplinary committee: formed to develop and implement the non-pharmacologic bundle
- Hospital administrators, nurse champions, providers, unit managers and educators from the NICU, pediatrics, and OB departments
- Education: hospital-based online module for inpatient nurses and providers employed in the NICU, pediatrics, obstetrics, and labor and delivery units
- Opioid epidemic and NAS, utilizing ESC for assessing infants with NAS, stigma reduction, engaging caregivers, and breastfeeding recommendations
- Mandatory for nurses 1-hour CEU
- Optional for providers 1-hour CME
- Care of infants with NAS transitioned from NICU admission to mother/baby care
- Admission to NICU only if clinically warranted (e.g., treatment with morphine indicated or clinically ill)
- ESC adopted as the primary method for assessing the infant with NAS FNASS was discontinued
- Plan-Do-Study-Act method of quality improvement was used for implementation
- Exempt from IRB, approved as a QI project
- Admitted to PEDS if treatment needed for NAS

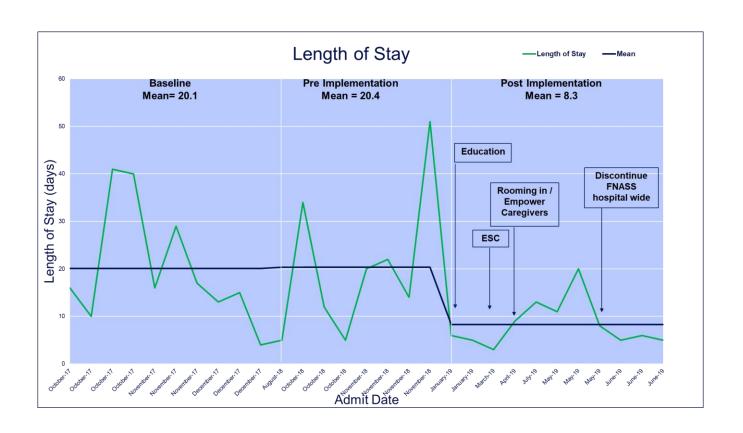
#### MNO Plan

#### Non-Pharm Bundle

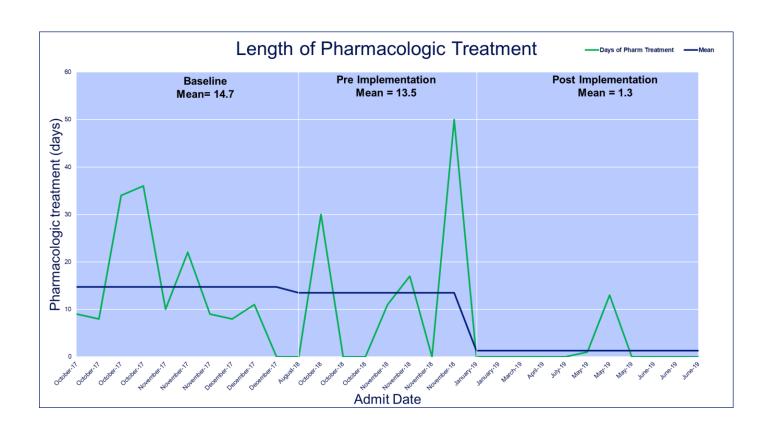
- Rooming-in with parent throughout the hospital stay
- Ensuring parental presence at the bedside as often as possible during the hospital stay
- Encouraging skin-to-skin contact
- Encouraging holding / gentle rocking / swaying by a caregiver or cuddler
- Swaddling / flexed positioning
- Ensuring optimal feeding quality including encouraging breastfeeding for mothers without concerns for continued substance use or other medical contraindication (e.g., HIV)
- Non-nutritive sucking with pacifier or finger (ensuring baby is well fed first)
- Ensuring a quiet environment with low light stimulation in the room
- Limiting visitors to one at a time (and to those that will be quiet/supportive).
- Providing uninterrupted periods of sleep/clustering infant's care



#### Length of Stay: Baseline 20.1 days $\rightarrow$ 8.3 days



### Length of Pharmacologic Treatment: Baseline 14.7 → 1.3 days



#### Case Study

- G6P3, adequate PNC
- o Gestational diabetes, obesity, preeclampsia, UTI, anxiety, drug dependency, history of narcotic dependence, history of barbiturate dependence
- Subutex 28 mg QD; also on lexipro, gabapentin, flexeril
- 36 week infant, BW 2330 grams; Repeat C/S
- Admitted to NICU for respiratory distress, CPAP, pneumothorax
- Off CPAP and in RA DOL 1
- Cord stat +opioids and barbiturates
- ESC started early
- 2 doses of PRN morphine
- Discharged home at 11 days

#### FNASS vs ESC



Team huddle for any "Yes" ESC item or "3s" for **Soothing Support** 

					roul reeding	0-140	10 0110 0110	0-140
					Regurgitation	0-No 0-I		0-No
					Projectile Vomiting	0-No 0-I		0-No
					Loose Stools	0-No 0-		0-No
NICU RN Admit Neo In/Out Feeding N	eo Dietitian Assess	Neo OT Abstin	ence Score ESC A	ssessm	Watery Stools	0-No U-	No 0-No 0-No	0-No
Score								
I					Total Score	7	8 8 7	6
Expanded View All					Abstinence Score Verifica	ation		)
				'			-	
				9/12/19				
		1000	l	Ι.			1	
	0900	1000	1200	1	300	1500	1600	1800
Fat Class Cassala								
Eat, Sleep, Console								
Poor eating due to NAS?	Yes	Yes	No		Yes	Yes	Yes	
Sleep <1 hour due to NAS?	yes	yes	no		yes	yes	yes	
Unable to console within 10 min due to NAS?	no	no	no		no	no	yes	
Soothing support used to console infant	2: soothes with	2: soothes with	2: soothes with	2: sootl	nes with	2: soothes with	3: soothes with	2: soot
Parent / Caregiver presence since last	1: 1 - 59 minutes	1: 1 - 59 minutes	0: no parent pr	0: no r	parent pr			
	1. 1 - 33 Hilliates	1. 1 - 33 minutes	o. no parent pi	0. 110 }	arent pi			
Recommend a Team Huddle?	yes	yes	yes		no	no	yes	
Management Decision	1	1	1		1	1	2	
Non-pharmacologic Interventions	parental prese	parental presence in	skin-to-skin co	skin-to	-skin co	skin-to-skin co	skin-to-skin co	
							•	

Expanded View All

Moro Reflex

Undisturbed

Myoclonic jerks

Increased muscle tone

Excoriation (specify area)

Generalized convulsions

Frequent Yawning (>3)

Nasal Stuffiness

Respiratory Rate

Gastro-Intestinal Disturbances Excessive Sucking

Sneezing (>3)

Nasal Flaring

Poor Feeding

Disturbed

Fever

Mottling

Central Nervous System Disturbances

Metabolic, Vasomotor and Respiratory Disturbances

9/11/19

0-N/A 2-<3 hours .

0-N/A

0-N/A

0-N/A

2-Yes

0-No

0-N/A

1-Yes

1-Yes

0-No

1-Yes

0-No

0-N/A

1-Yes

0-No

1-Mild trem...

2200

0-N/A

0-N/A

0-N/A

0-No

0-No

0-N/A

0-No

1-Yes

0-No

1-Yes

0-No

1-Yes

0-No

9/12/19

0400

0-N/A

0-N/A

0-N/A

2-Yes

0-No

0-No

0-N/A

1-Yes

1-Yes

1-Yes

0-No

1-Yes

0-No

0-N/A

0-N/A

0-N/A

0-N/A

2-Yes

0-No

0-No

0-No

0-No

0-N/A

0-No

1-Yes

0-No

1-Yes

0-No

0-N/A

1-Yes

0-No

2/5/20

1000

0-N/A

0-N/A

0-N/A

0-N/A

2-Yes

0-No

0-No

0-No

0-No

0-N/A

0-No

1-Yes

0-No

1-Yes

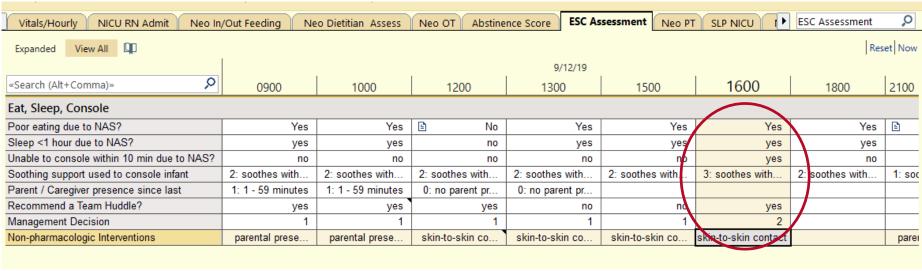
0-No

0-N/A

1-Yes

0-No

#### Huddles and PRN Dosing



**Pharmacologic Tx**: Consider initiating oral Morphine after full team huddle if:

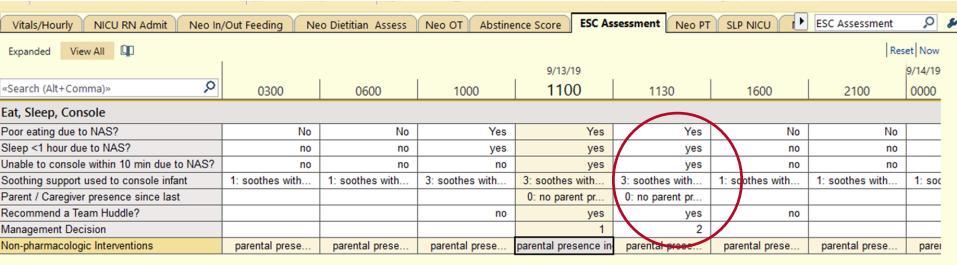
- ☐ Continues with "Yes" to any ESC item or "3s" for "Southing Support" AND
- "Soothing Support" AND
- $\ \square$  Non-pharm care optimized to greatest extent AND
- ☐ Non-NAS causes excluded (e.g., cluster feeding, SSRI or nicotine withdrawal in first 24 hours)

#### Morphine:

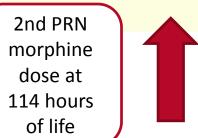
- ☐ PRN dose 0.1 mg/kg/dose PO
- ☐ Give up to 2 PRN doses

1<sup>st</sup> PRN morphine dose at 96 hours of life





Guideline: Methadone if requires treatment after 2 doses morphine





# QI CORNER

# MNO-Neo QI Team Meeting



- The team met together after the MNO-Neo Webinar to review data and create "Crossing the Finish Line Plan"
- To prepare for the meeting the following was completed...
- 1. Pulled and printed data reports for meeting
- Printed copies of 10-20-30 day "Crossing the Finish Line Plan" for each team member
- Printed the ILPQC Key Strategies slide to review and assist in creating next steps

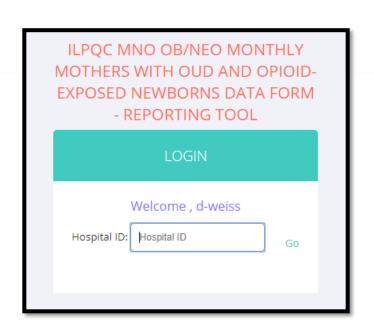
# Wait... How Do We Pull MNO-OB Data?



 Log into the ILPQC Data System (<u>https://redcap.healthlnk.org/</u>)



- Go to "My Projects tab" and click the link for: ILPQC MNO OB/Neo Monthly Mothers with OUD and Opioid-Exposed Newborns Data Form
- 3. On that project's page, navigate to the left hand side halfway down the webpage and click the link for "Reports"
- 4. This will open up a brand new webpage tab with a place to type in your hospital ID
- 5. Enter your hospital's 3-digit ID and press "Go"
- 6. This will take you to the reports portal where you'll be able to view your hospital's specific data compared to the collaborative



# Wait... How Do We Pull MNO-Neo Data?

ILC PQC

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- 7. Key Reports to Review as a team:
  - 14: Rooming-in during infant stay
  - 15: OENs receiving breastmilk from eligible mothers at infant discharge (AIM)
  - 16: OENs receiving pharmacologic treatment for NAS Symptoms (AIM)
  - 17: Average number of days of pharm tx
  - 18: OENs discharged with coordinated plan (AIM)
  - 20: Average length of stay
- 8. You can click the "Display Values" click button at the top left of the web page to see the percent for each month.
- 9. You can either (1) click "Export to PDF" to get a PDF of the report or (2) right click, copy and paste the report as an image on a word document, email, etc.







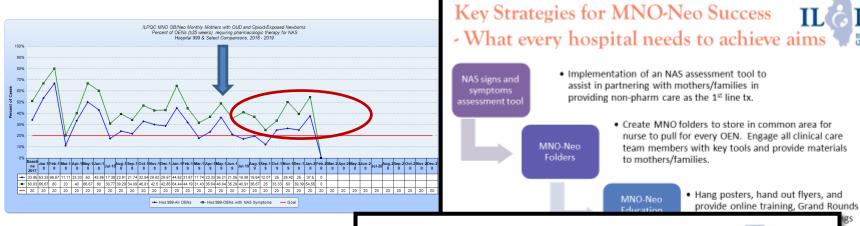
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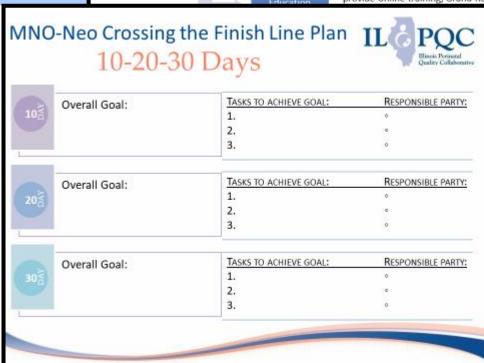
# QI Team Meeting- example





Determined the focus and worked to complete the

Crossing the Finish Line Plan 10-20-30 day



of a NAS Clinical

orm with the every infant

# MNO-Neo Crossing the Finish Line Plan 10-20-30 Days



**10**<sup>K</sup>V

#### Overall Goal:

Print MNO-Folders and educate RN staff on materials with an emphasis on Coordinated Discharge materials

#### TASKS TO ACHIEVE GOAL:

#### RESPONSIBLE PARTY:

1. Print folders

Katie

2. Share folders during safety huddles • Katie

3. Email RNs info and highlight d/c

• Jan



#### Overall Goal:

Hold discharge Q&A and also hang discharge & other education posters. Reach out to ILPOC for GR

#### TASKS TO ACHIEVE GOAL:

#### RESPONSIBLE PARTY:

1. Host Q&A

Katie

2. Determine where to hang flyers

o Dr. Ye

3. Print Posters and hang

Katie



#### Overall Goal:

Finalize details for GR and start NAS clinical care debrief

#### TASKS TO ACHIEVE GOAL:

#### RESPONSIBLE PARTY:

1. Send out invites to staff

Katie

2. Start NAS clinical debrief

• both

**3**. Provide follow-up call for ?s

• Jan

# Every team to create a Cross the Finish Line Plan



- Pull MNO-Neo Data Reports on key AIMS and Measures from the ILPQC Data System
- Next MNO-Neo QI Team meeting <u>review reports</u>, <u>along</u> <u>with MNO-Neo key strategies for success</u>.
- 3. Create a 10-20-30 day Crossing the Finish Line Plan utilizing the MNO-Neo key strategies for success for ideas or call ILPQC for help
- Share your Crossing the Finish Line Plan during you assigned month.

# Upcoming MNO-Neonatal Teams Calls IL PQC



Date	Topic
March 16 <sup>th</sup> , 2020	MNO-Neonatal Key Strategies Round Robin, Part 1 Hospitals with full names (including health system) starting with A-L
April 20 <sup>th</sup> , 2020	MNO-Neonatal Key Strategies Round Robin, Part 2 Hospitals with full names (including health system) starting with M-W



# **ILPQC IN 2020**

# **Initiative Timelines**



Initiative	Status
MNO-Neo (Active Initiative)	Transition to sustainability May 2020
MNO-Neo (Sustainability)	Start June 2020, focused data collection, quarterly webinars
BASIC Workgroup	Start January 2020 through April 2020 *Email <a href="mailto:Dweiss@northshore.org">Dweiss@northshore.org</a> if interested in participating on workgroup*
BASIC Wave 1	Start May 2020 Interested in Wave 1? Email <a href="mailto:Dweiss@northshore.org">Dweiss@northshore.org</a> for more info
BASIC Statewide Launch	Start September 2020

### **Contact Us**



Email info@ilpqc.org or visit us at www.ilpqc.org



- Ilpqc.org has a new look with new functions coming soon!
  - Direct link to REDCap
  - Quick access to webinars
  - Provider/clinical quick start resources
  - News and event tabs
- ILPQC website is going through a transition in response to your needs and feedback
- Our soft launch was at the end of November to ensure you have continued access to active initiative toolkits
- We are working to finish the transition by the end of December and to manage future updates at ILPQC Central by the end of January









**JB & MK PRITZKER** 

**Family Foundation**