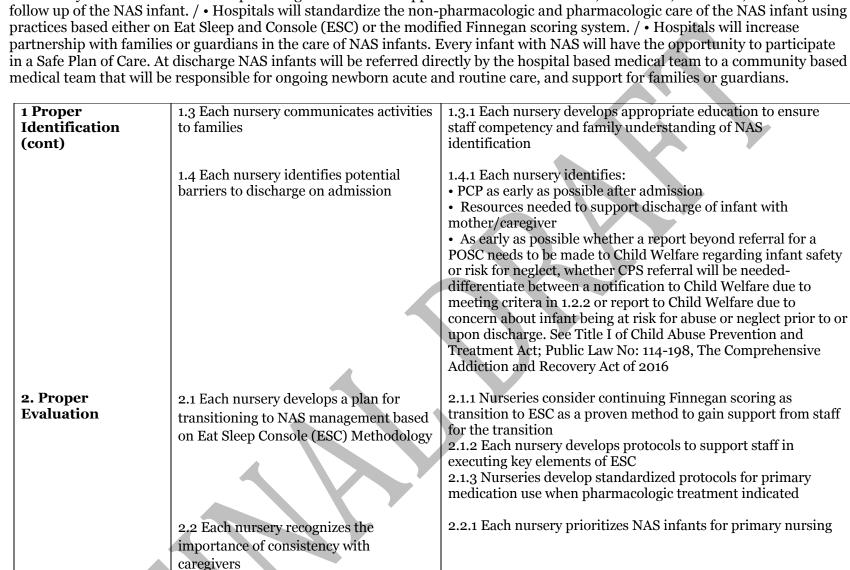
### **Perinatal Quality Collaborative of North Carolina**

Secondary Aim	Primary Drivers	Secondary Drivers
1 Proper	1.1 Each nursery has a protocol that	1.1.1 Identification of eligible infants for toxicology testing
Identification	defines indications and procedures for	1.1.2 Type of toxicology testing
	screening for infants at risk for	1.1.3 Process for communicating results to mother or caregiver
	withdrawal	1.1.5 Criteria for Referral to Social Work and CMARC
		1.1.6 Criteria for CPS referral
		1.2.1 Toxicology testing should be completed on all the following
	1.2 Each nursery develops criteria for	infants:
	toxicology testing and referral of infant	Known maternal history for substance use(inclusive of alcohol)
	to CHild Welfare for a Plan of Safe Care	Positive maternal drug screen
		And the following criteria:
		o No/late prenatal care (<4 visits or after 16 weeks)
		o Symptomatic infants
		o Unexplained abruption
		1.2.2 A Plan of Safe Care referral to Child Welfare should be
		made for infants
		Affected by Substance Abuse:
		1. Positive urine, meconium or cord segment drug
		screen with confirmatory testing in the context
		of other clinical concerns as identified by current
		evaluation and management standards. Or
		2. The infant's mother has had a medical
		evaluation, including history and physical, or
		behavioral health assessment indicative of an
		active substance use disorder, during the
		pregnancy or at time of birth.
		Affected by Withdrawal Symptoms:  The infent manifests clinically relevant drug or
		<ul> <li>The infant manifests clinically relevant drug or alcohol withdrawal.</li> </ul>
		Affected by Fetal Alcohol Spectrum Disorder(s) (FASD)
		Affected by Fetal Alcohol Spectrum Disorder(s) (FASD)

### **Perinatal Quality Collaborative of North Carolina**

Provide the facilitation, support and education necessary to deliver optimal care for infants with neonatal abstinence syndrome (NAS) in the hospital and for the first six months of the newborn period. Aim: • Create a multidisciplinary hospital and community-based team focused on providing a standardized approach to the identification, evaluation, treatment, discharge and



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2. Proper	2.3 Each nursery communicates goals of	2.3.1 Emphasize importance of mother as the treatment for signs
<b>Evaluation (cont)</b>	ESC and its activities to families	and symptoms of NAS
		2.3.2 Employ standardized materials that educate families
		regarding ESC method
		2.3.3 Daily contact from care team with parent or guardian
	2.4 Each nursery communicates	2.4.1 Daily contact at bedside or by phone with parent or
	activities to families	guardian
		2.4.2 Employ standardized materials that educate families
		regarding scoring for Finnegan or ESC method
		2.4.3 Develop programs to allow family/guardian to participate
		in Finnegan scoring or decision to administer medication for ESC.
		ESC.
3. Proper	3.1 All nurseries employ non-	3.1.1 Non-pharmacologic supportive measures started
Treatment	pharmacologic treatment techniques	immediately after identification
Treatment	prior to initiation of pharmacologic	3.1.2 Minimizing environmental stimuli including low noise,
	treatment	low light, limiting visitors, cluster care
		3.1.3 Consider best location for hospitalization (Private
		room?)
		3.1.4 Swaddling
		3.1.5 Encourage Maternal Presence
		3.1.6 Encourage Skin to Skin
		3.1.7 Encourage Kangaroo Care
		3.1.8 Lactation Support
		3.1.9 Breastfeeding and the provision of expressed human
		milk should be encouraged if not contraindicated for other
		reasons



### **Perinatal Quality Collaborative of North Carolina**



3. Proper Treatment (cont)	3.2 Each nursery develops and adheres to a center defined standardized ESC	3.2.1 Consider mother's substance exposure in selecting pharmacologic therapies
	plan for as needed pharmacologic	3.2.2 Hospitals identify standard first line medication:
	treatment of the infants with	Morphine, Methadone or Clonidine.
	withdrawal necessitating	3.2.3 Pharmacologic intervention initially on PRN basis as
	pharmacologic treatment	indicated by ESC protocol.
		3.2.4 Obtain pharmacy consultation when considering a need for regular narcotic dosing for withdrawal
		for regular flarcotic dosing for withdrawar
	3.3 Each nursery educates staff and	3.3.1 Develop standardized materials that educate families
	parents on proper treatment	regarding ESC methodology
	4.1 Each nursery has a standardized	4.1.1 At risk is defined as including known antenatal drug
	minimum length of stay for all infants	exposure, a positive drug test or clinical signs or symptoms 4.1.2 Adhere to AAP length of stay standard of 4-7 days for all
	at risk for opioid withdrawal.	at risk infants for opioids
		at flox illiants for opioids
4. Proper		
Discharge	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.2.1 Each center develops stability triggers for notification of
Discharge	4.2 Each nursery adheres to a	proper organizations, family and PCP of pending discharge.
	standardized plan for the discharge of	4.2.2 Each center includess infant and family/caregiver
	infants and family/caregiver	criteria for discharge to include but not limited to:
		Identified caregiver
	4.2 Each nursery adheres to a	Medically stable with adequate weight nutrition  Clearers of from all bearited or outside agencies.
	standardized plan for the discharge of	Clearance from all hospital or outside agencies  (social work, CBS etc.)
	infants and family/caregiver	(social work, CPS etc.)  • Home situation reviewed
		PCP identified and verbally updated with handoff
		1 of identified and verbally appeared with handon

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4. Proper Discharge (cont)		<ul> <li>Follow-up appointments made or caregiver notified of needed follow-up appointments</li> <li>Outpatient resources identified</li> <li>Determine if outpatient meds/treatment (i.e. methadone) available in community pharmacy</li> <li>Caretaker demonstrates normal infant care</li> <li>Caretaker demonstrates ability to adequately feed infant</li> <li>Caregiver demonstrates non-pharmacologic treatments</li> <li>Caregiver provides return demonstration of medication administration <ul> <li>If caregiver is in recovery for opioid use disorder, have visiting nurse administer</li> <li>Caregiver recognizes symptoms of withdrawal</li> <li>Caregiver is educated as to when to notify PCP if concerned</li> </ul> </li> </ul>
	4.3 Each nursery develops appropriate education to ensure staff competency and family understanding of discharge	• CMARC referral  4.3.1 Develop standardized materials that educate staff and families regarding discharge 4.3.2 Education for families on NAS discharge includes:     • Normal infant care     • Feeding infant     • Safe sleep practices     • Non-pharmacologic treatments     • Medication administration if applicable     • Symptoms of withdrawal     • When to notify PCP if concerned