

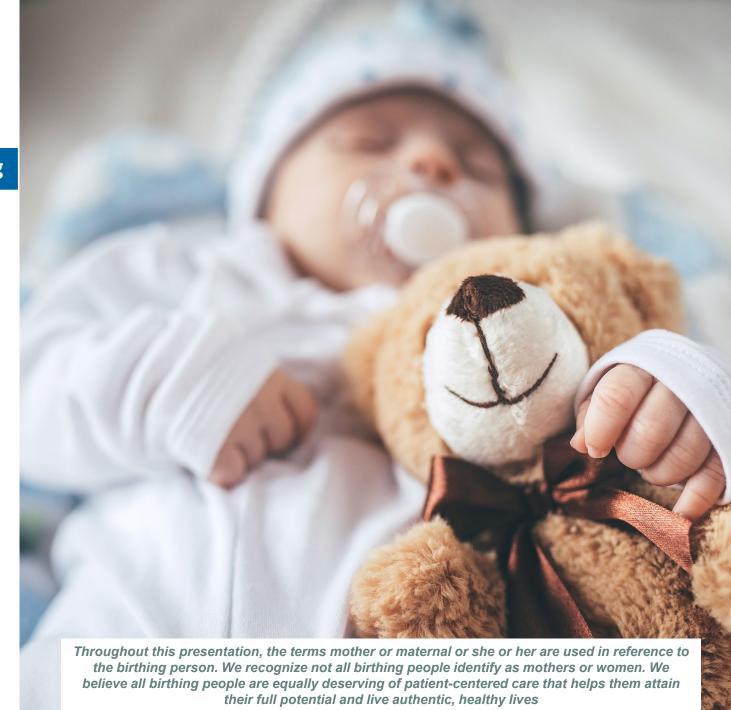
Implementing Plan of Safe Care in the Hospital Setting

Emerging Evidence and Practices for Addressing Neonatal Abstinence Syndrome in Infants and Families Affected by SUD

August 9, 2024

PRESENTED BY: Helen DuPlessis, MD, MPH

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POSC CURRICULUM ROADMAP

Webinar 1

Federal and State Regulations & POSC template

Webinar 2

Neurobiology of SUD & Best Practices for Screening,
Assessing and Toxicology

Webinar 3

Understanding perinatal SUD: Effects on Pregnancy, Parents, and Baby

Webinar 4

Dosing MAT Before, During, and After Pregnancy & Breastfeeding and SUD, MAT

Webinar 5

Harm Reduction & Stigma and SUD treatment

Webinar 6

Supporting Substance Exposed Infants & Considerations for Working with DCFS

Webinar 7

POSCs and supporting the pregnant person/parent & Operationalizing the POSC

Webinar 8

Discharge planning &
Transitions of Care and
Community Resources for PPP

Webinar 9

Trauma Informed Care and Social Determinants of Health for PPP

Webinar 10

TODAY: Emerging Evidence and Practices for Addressing Neonatal Abstinence Syndrome in Infants and Families Affected by SUD

OUR EXPERTS



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Karen Hill, RN, ANP-C, PhD

Principal



Charles Robbins, MBA

Principal



Jennifer Bridgeforth, MBA, CPhT, CPC, CPMA, CHC

Associate Principal

Presenter Disclosures

Faculty	Nature of Commercial Interest
Jennifer Bridgeforth, MBA, CPhT, CPC, CPMA, CHC	Ms. Bridgeforth discloses that she is an employee of Health Management Associates, a national research and consulting firm providing technical assistance to a diverse group of healthcare clients.
Helen DuPlessis, MD, MPH	Dr. DuPlessis discloses that she is an employee of Health Management Associates, a national research and consulting firm providing technical assistance to a diverse group of health care clients. She is also a Board Member of Blue Shield of California Health Plan
Karen Hill, RN, ANP- C, PhD	Karen Hill discloses that she is an employee of Health Management Associates, a national research and consulting firm providing technical assistance to a diverse group of healthcare clients.
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- ≫ Certificates of completion will be emailed within 10–12 business days of course completion.

LEARNING OBJECTIVES: SUPPORTING SUBSTANCE EXPOSED INFANTS

- Summarize the symptoms of and approaches to diagnosing neonatal abstinence syndrome (NAS), also known as neonatal opioid withdrawal syndrome (NOW)
- Sontrast traditional and emerging care practices for NAS and relative outcomes
- List at least 4 specific non-pharmacologic interventions that can be used to treat NAS
- Describe a basic approach to team-based care for mothers with OUD/SUD and infants with NAS



CHAT

Use the chat feature on your computer to respond to the following prompt.

>> What information would be most helpful to you in supporting your work with substance exposed infants and families?

Do not press **ENTER** until the presenter tells you to do so.

DIAGNOSIS, TREATMENT AND SUPPORT FOR INFANTS WITH NEONATAL WITHDRAWAL SYNDROMES

*Throughout this presentation the terms mother or maternal or she or her are used in reference to the birthing person. We recognize not all birthing persons identify as mothers or women. We believe all birthing people are equally deserving of gender-specific care that helps them attain their full potential and live authentic, healthy lives.



MEET KAYLA'S NEWBORN

- >> Baby M was born in February 2019
- >> Initially ambivalent, Kayla warmed to the idea of being a mom
- Mom has been mostly adherent with buprenorphine but continues to intermittently use pressed opioid pills and occasional alprazolam



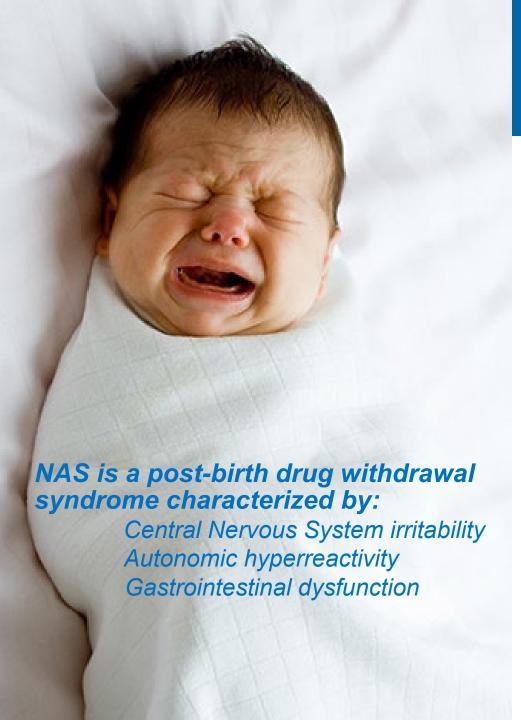
- >> Total morphine need was:
 - >> 50.6 mg total
 - >> 18.7 mg/day
 - >> 2.3 mg/dose
- >> Infant stayed on 4 different hospital units
- >> Kayla felt judged, inadequate and powerless



CLARIFYING TERMINOLOGY ABOUT NEONATAL WITHDRAWAL

- » Neonatal Abstinence Syndrome (NAS) a recognized constellation of clinical signs of withdrawal that may occur in neonates after in utero exposure to opioids and other substances
- » Neonatal Withdrawal Syndrome (NWS) same general definition as NAS focused on withdrawal from exposure to opioids or other substances
- >> Neonatal Opioid Withdrawal Syndrome (NOWS) specific withdrawal from opioids (FDA, 2013)





NEONATAL ABSTINENCE SYNDROME (NAS): HOSPITAL CARE

- NAS may not be recognized (occurs in 50-80% of exposed infants)
- Having a protocol for identification and management is critical
- Historic approaches to management are giving way to new paradigms
- >> Goals
 - >> Optimize growth and development
 - >> Minimize negative outcomes
 - Support secure attachment and post-discharge follow-up
 - >> Optimize opportunity for health and wellbeing
 - >> Reduce lengths of stay and treatment

STANDARDIZING THE CLINICAL DEFINITION OF OPIOID WITHDRAWAL IN NEONATES

Required for NAS diagnosis:

- 1. In utero exposure (known by history, toxicology not necessary) to opioids with or without the presence of other psychotropic substances
- 2. The presence of at least two of the most common clinical signs characteristic of withdrawal (excessive crying, fragmented sleep, tremors, increased muscle tone, gastrointestinal dysfunction).

Journal of Pediatrics, 2021

SYMPTOMS OF NEONATAL ABSTINENCE SYNDROME



- >> High-pitched cry
- >> Hyper-irritability
- >> Tremors, jitteriness
- Myoclonic jerks, hyperactive Moro
- >> Rare seizures



- >> Poor feeding
- >> Emesis, regurgitation
- >> Diarrhea
- >> Failure to thrive



- >> Tachycardia
- >> Tachypnea
- Temperature instability
- Skin mottling
- >> Nasal stuffiness
- >> Sweating

DIAGNOSIS REQUIRES A HEIGHTENED INDEX OF SUSPICION AND KNOWLEDGE ABOUT TIMING

- >> Variation in onset
 - >> Range is typically 24-72 hours
 - >> Exposure to single-substance, shorter acting drugs may present during the hospitalization (e.g., heroin, morphine)
 - >> Exposure to substance with "longer" half-lives present later
 - ≫Codeine, hydrocodone, fentanyl 2-5 days
 - ≫Methadone 4-10 days
 - >>Benzodiazepines (7-12 days), chlordiazepoxide (14-21 days), barbiturates (7 days)
- Effects of poly-substance exposure may delay onset and increase types of symptoms
- >> Variation in duration

ASSESSMENT OF NAS

- >> Eat ≥ 1 oz or full BF session
- Sleep ≥ 1 hour between feeds
- Sonsole Cease crying within 10 min. of being consoled

Studies now demonstrate good correlation between the two assessment protocols for management of NOWS (Amin, 2022; Young, 2023)

Finnegan Neonatal Abstinence Scoring Tool (FNAST)

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Sneezing (>3)			1	Т	Г	П	\neg	Т	Т	Т						
Nasal Flaring			2	Т	Г	П	\neg	\top	Т	Т	Г					
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Average Daily Sc	ore															
Inter-Observer R	eliability %															
Initials Of Scorer	1															
Initials Of Scorer	2															

CHANGING PARADIGMS: PRESERVING THE DYAD; BEING LESS INVASIVE

Eat, Sleep, Console

- Eat ≥ 1 oz or full Breastfeeding session
- Sleep ≥ 1 hour between feeds
- Console Cease crying within 10 minutes of being consoled

Grossman MR, et al. Pediatrics. 2017;139(6):e20163360

- Special ward setting (non-intensive care unit)
- Staffing dedicated, trained
- Parent's Roles assessments
- Improved communication
- Comprehensive care

Prenatal Consultation



Inpatient Observation & NAS Treatment while Rooming In



Appropriate Neuro-developmental + Primary Care Follow-Up and Support

STANDARDIZED NON-PHARMACOLOGIC CARE BUNDLE

- Support and coaching for parents (consoling support interventions)
- >> Proactive skin protection
- >> Environmental Accommodations
- Swaddling

- » Breastfeeding promotion/On demand feeds
- >> Non-nutritive sucking
- >> Cuddler program
- Sestablishing policies and procedures



- Maternal presence and Rooming-in
- Dim lights
- Reduced NICU admission
- Reduced/coordinated interventions
- Reduction in white noise/sound (location)
- Limit visitors

STANDARDIZED NON-PHARMACOLOGIC CARE BUNDLE (CONT.)

- Non-pharmacologic interventions
- Rapid weaning protocol
- Guidelines for assessment and monitoring
- Methadone and Adjunctive therapies
- When needed (PRN) vs scheduled Morphine

Outcomes realized:

- >> Better engaged, more confident parents
- Reduced use and absolute dosage of medication
- >> Reduced length of stay
- >> Reduced overall costs of care



EMPOWERING MESSAGES TO PARENTS



On the inpatient unit, we explained that our first-line and most important treatment would center around measures to comfort the infant and that these should be performed by a family member. Parents were told that they were the treatment of their infants and must be present as much as possible. Nurses and physicians focused on supporting and coaching parents on the care of their infants.



A FEW RESOURCES TO CONSIDER FOR THE DYAD

Plan of Safe Care REDUX

Primary, Obstetric and Gynecological Care





Infant Health and
Safety
(neurodevelopment
expertise/high risk infants)

Prevention and Treatment of Mental Health and Substance Use Conditions





Infant and Child
Development
(developmental screening,
Help Me Grow)

Parenting and Family Support

(home visiting, classes, Road to Resilience)





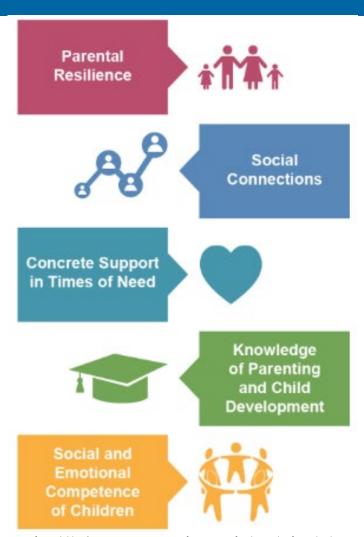
*Other referrals

(e.g., addressing social determinants of health)

*Throughout this presentation the terms mother or maternal or she or her are used in reference to the birthing person. We recognize not all birthing persons identify as mothers or women. We believe all birthing people are equally deserving of gender-specific care that helps them attain their full potential and live authentic, healthy lives.

THE IMPORTANCE OF FAMILY CONNECTION AND SERVICES

- All children deserve to have their needs met and have the chance to develop their capacities in the security of a committed, nurturing, and consistent family.
- Agencies serving children and youth, including healthcare institutions, child welfare, mental health, education, and other community service providers, must collaborate effectively to engage and surround the child and family with needed services, resources, and supports, rather than requiring caregivers to navigate multiple systems and service providers.



Picture from Children's Home Society, Concept from Center for the Study of Social Policy.

A FEW RESOURCE EXAMPLES PREVENTION AND AFTERCARE SERVICES

- >> DCFS partners with organizations already working in local communities to provide support services for parents, youth, and caregivers across Los Angeles County.
 - >> Identify the Service Panning Area (SPA) for the dyad
 - Browse the online <u>directory</u>
- Other quick resources in LA County

L.A. County Perinatal and Early Childhood Home Visiting Network Best Bay Network HV eDirectory https://www.homevisitingla.org/

>> Partnerships for Families

Parenting Concrete Supports

Parent/Child Activities

Therapy

Eligibility:

Families who are expecting a baby or have a child up to 12 months (or 2 years with County approval) and are impacted by Domestic Violence, Mental Health and/or Substance Abuse.

Teenage Parents are eligible.

PFF Providers:

- SPA1 Children's Bureau of Southern CA (213) 342-0100
- SPA 2 The Help Group (818) 947-5553
- SPA 3 SPIRITT Family Services (626) 442-1400
- SPA 4 Para los Niños (213) 413-1466 ext. 402
- SPA 5 The Help Group (818) 947-5553
- SPA 6 Children's Institute, Inc. (213) 260-7600



A FEW RESOURCE EXAMPLES PREVENTION AND AFTERCARE SERVICES





Prevention & Aftercare (P&A)

HAVE YOU HEARD ABOUT THE PROTECTIVE FACTORS?

Studies show that the strongest, healthiest families have qualities in common. These "protective factors" help create a safe and healthy environment for adults to be the best parents they can be—and for children to learn, grow, and develop to their best potential.

To strengthen your family's protective factors, visit a P&A agency in your community for traditional and non-traditional services, activities, resources and supports such as:

Family Fun Nights!

Parenting Educational Classes

Peer Support Groups

Financial Literacy

Concrete Support for Basic Family Needs

Linkage to additional needed resources **Fatherhood Classes**

Wellness Activities

Parent-Child Family Centered Activities

Connect to agencies' websites

with QR code:

Services are FREE to all LA County families, regardless of age, immigration status or insurance status.

Where to go for P&A?

SPA 1 - Penny Lane Centers (661) 266-4783

SPA 2 - The Help Group (818) 938-3504

SPA 3 – SPIRITT Family Services (909) 630-6305

SPA 4 - Para Los Niños (213) 814-1550 ext. 700

SPA 5 - The Help Group (818) 938-3504 or (310) 751-1171?

SPA 6 - Children's Bureau (Magnolia Place) (213) 342-0100

SPA 7 - SPIRITT Family Services (562) 903-7000

SPA 8 - South Bay Center for Counseling (424) 260-8381

American Indian Families Countywide – United American Indian Involvement (213) 202-3970

API Families Countywide - Special Services for Groups (213) 252-2100

If you have any questions, call:
Nicole Davis (213) 905-3291
Christopher Perdue (213) 276-4628
Email: PreventionandAftercare@dcfs.lacounty.gov



Brought to you by:
Los Angeles County Department of Children and Family Services





EDUCATE STAFF ABOUT NAS/NOWS AND EMERGING PRACTICES

Identification, evaluation, and treatment

- Clinical providers and staff with strong foundation of knowledge can educate and support families
- Positive interactions with families of newborns with NAS contribute to better outcomes and reduced length of stay (LOS)
- Provider and staff interactions with families should be supportive and non-judgmental
- Families can play valuable role in care, including mothers being encouraged to breastfeed if on stable substance use disorder treatment with medications

OPIOIDS and NAS

When reporting on mothers, babies, and substance use

LANGUAGE MATTERS



I am not an addict.

I was exposed to substances in utero. I am not addicted. Addiction is a set of behaviors associated with having a Substance Use Disorder (SUD).



I was exposed to opioids.

While I was in the womb my mother and I shared a blood supply. I was exposed to the medications and substances she used. I may have become physiologically dependent on some of those substances.



NAS is a temporary and treatable condition.

There are evidence-based pharmacological and non-pharmacological treatments for Neonatal Abstinence Syndrome.

YOUR PRACTICE AND THOUGHTS ABOUT THE FOLLOWING STATEMENTS

- A. You should call the hotline immediately for anyone on Medications for Addiction Treatment (MAT)
- B. If the parent and infant are affected by substances, you should inform your charge nurse
- C. You should use the email notification system for parents on a stable recovery path, even if the infant has mild NAS symptoms
- D. You should never bother the DCFS hotline worker with a question about someone who already has a POSC





QUESTIONS?

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FOR ANY QUESTIONS OR COMMENTS

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CONTACT US

BEFORE YOU GO: PLEASE COMPLETE THE **EVALUATION OF** TODAY'S SESSION

https://healthmanagement.qualtrics.com/jfe/form/SV 0oWhzwXK7gnqiEe







RESOURCES

- » NAS Toolkit 39 best practices, guidelines and protocols on perinatal SUD nastoolkit.org
 - >> Breastfeeding: Best Practice 9
 - >> NAS: Best Practices 16-24
 - >> Outcomes of exposed infants: Best Practices 28-33
 - >> Neurobiology of SUD: Best Practice 7, 8, 10, 13, 14, 37
- » L.A. County Department of Children and Family Services Help For Families Webpage https://dcfs.lacounty.gov/help-for-families/
- » L.A. County Mandated Supporting Initiative website https://supportingfamilies.lacounty.gov/ (see resources under POSC tab)
- >> HMA's SUD Website: addictionfreeca.org
- » National Clinician Consultation Center (UCSF):

CA Substance Use Line:

https://nccc.ucsf.edu/clinician-consultation/substance-use-management/california-substance-use-line/

National Substance Use Management https://nccc.ucsf.edu/clinician-consultation/substance-use-management/

- » National Center on Substance Abuse and Child Welfare. SAMHSA funded. https://ncsacw.acf.hhs.gov/
- SAMHSA: SAMHSA's National Helpline https://www.samhsa.gov/find-help/national-helpline

RESOURCES

Mandated Supporting Initiative

- >> General Website https://supportingfamilies.lacounty.gov/
- >> Plans of Safe Care tools and Newborn Risk Assessment

The NAS Toolkit (nastoolkit.org) – thirty-nine best practices for addressing the needs of pregnant/parenting pregnant persons with SUD and their affected infants

The Clearinghouses for Evidence-based Practices

- >> The California Evidence-based Clearinghouse for Child Welfare. https://www.cebc4cw.org/
- >> Title IV-E Prevention and Services Clearinghouse. https://preventionservices.abtsites.com/

Home Visiting

- >> Maternal Infant and Early Childhood Home Visiting. https://mchb.hrsa.gov/maternal-child-health-initiatives/home-visiting-overview
- >> California Home Visiting Program. https://www.cdph.ca.gov/Programs/CFH/DMCAH/CHVP/Pages/default.aspx
- >> Evidence-based Practices and Resource Center (formerly National Center for Evidence-based Practices). https://www.samhsa.gov/ebp-resource-center
- >> Child Welfare Information Gateway. Strengthen Families and Education to Prevent Maltreatment. https://www.childwelfare.gov/pubpdfs/parented.pdf

The CA Bridge Program cabridge.org

The Substance Abuse and Mental Health Services Administration (SAMHSA)

- National Center on Substance Abuse and Child Welfare. Resources on Plan of Safe care Implementation. https://ncsacw.acf.hhs.gov/topics/capta-plans-of-safe-care/
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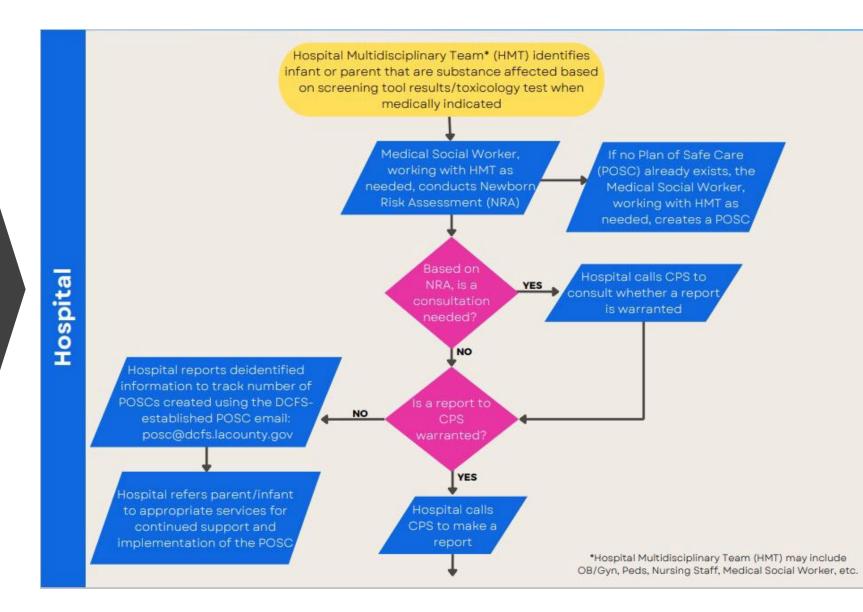
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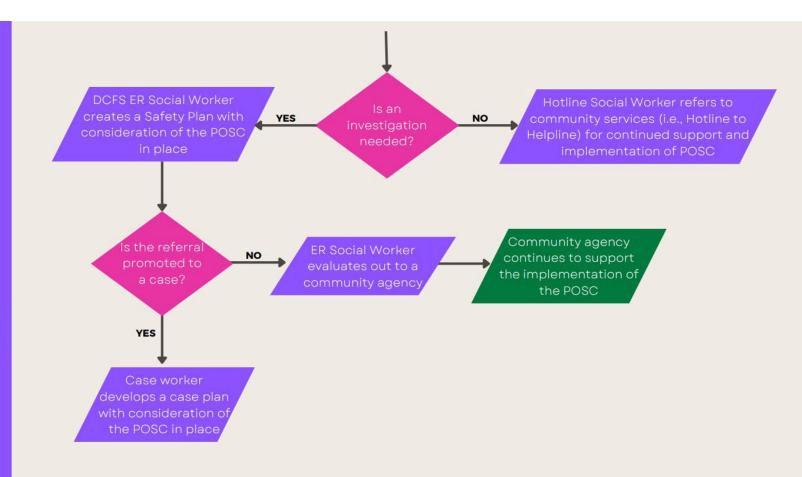
APPENDIX: ADDITIONAL MATERIALS

POSC PROCESS MAP (PART 1)



POSC PROCESS MAP (PART 2)

DCFS



Los Angeles County Plan of Safe Care

The goal of a Plan of Safe Care is to address the health and substance use disorder treatment needs of the infant and affected parent or caregiver. The plan is to be developed alongside the parent with input from the other caregiver, as well as any collaborating professional partners and agencies involved in caring for the infant and family.

DATE:	HOSPITAL NAME:
PARENT'S NAME:	CWS/CMS REFERRAL/CASE #(when applicable):
PREFERRED NAME:	PREFERRED LANGUAGE:
ADDRESS:	TELEPHONE:
INFANT'S NAME:	INFANT'S DOB/ANTICIPATED DELIVERY DATE:

Resiliency: Parenting can be stressful, but parents' ability to manage and bounce back from challenges is what creates for strong resiliency.

What helps you cope with everyday life? Where do you draw your strength?

Social Connections: Families need help in raising and keeping children safe. Who is there to help/support you and the child? What is their relation to you?

Concrete Supports: Access to resources that help meet the basic needs of your family can help you focus more on being a parent. Are there any local services that have been or might be able to support you? (i.e., diapers/wipes, baby clothes, care seat, formula if not breastfeeding, etc.)

Knowledge of Parenting & Child Development: It's important for caregivers to know and understand child development so that the caregivers can adjust their parenting and expectations based on the child's needs and developmental path (or trajectory). Where, or from whom, will you gain information about child development in general and specifically about your own child?

Nurturing/Attachment: Building a close bond helps parents better understand, respond to, and communicate with their children. What are ways you will connect with your child to nurture the feelings of love and support?

Plan of Safe Care

Identify all services the family is currently engaged in and new referrals to meet infant/parent/family's need:								
Resource/Service	Currently Engaged	Referral/ Enrollment Date	Discussed	Declined	Organization			
Outpatient Substance Use Care/MAT		Referred: Enrolled:			Name: Phone #:			
Mental Health Counseling		Referred: Enrolled:			Name: Phone #:			
Residential Treatment		Referred: Enrolled:			Name: Phone #:			
Safe Sleep Plan		Referred: Enrolled:			Name: Phone #:			
Child Care		Referred: Enrolled:			Name: Phone #:			
Home visiting		Referred: Enrolled:			Name: Phone #:			
Parenting Class		Referred: Enrolled:			Name: Phone #:			
Family Resource Center		Referred: Enrolled:			Name: Phone #:			
WIC		Referred: Enrolled:			Name: Phone #:			
Financial Assistance		Referred: Enrolled:			Name: Phone #:			
Housing Assistance		Referred: Enrolled:			Name: Phone #:			
Other:		Referred: Enrolled:			Name: Phone #:			

Achieving Goals

Utilizing Identified Strengths: After reflecting on your current strengths, it's important to identify how you plan to utilize them to support you and your family's safety, health and well-being. How will you build off of your current strengths to support your goals in these areas?

Infant's Health Support								
Check all substances	exposed prenatally:	Withdrawal Symptoms of Infant						
Alcohol Amphetamine	Are any of the checked substances prescribed?: Yes	Positive Toxicology Screening: Yes No						
Barbiturates Benzodiazepines	If yes, list the substance(s) prescribe							
Cocaine		Experiencing withdrawal symptoms: Yes No						
E-Cigarettes	At what point(s) during the pregnancy were the	Check applicable symptoms below:						
Marijuana Methadone	checked substance(s) used? What was the frequency?:	High pitched ary Poor feeding						
Methamphetamine	mac nas alon oquencyn	Sleep disturbance Vomiting						
Opioids		Tremors Loose stools Respiratory issues Increased muscle tone						
Suboxone								
Other:	History of substance use (includin alcohol) prior to pregnancy:	If the infant was prenatally exposed to alcohol, has a screening for Fetal Alcohol Syndrome Disorder (FASD) been conducted?: Yes						
		No If no, when will it need to scheduled?:						
		FASD Screening Result:						
		Yes No Unk						
		Diagnosis of Prenatal Alcohol Exposure (PAE) entered into newborn chart?: Yes No						
Medication(s) for	withdrawal symptoms:	Medical insurance:						
Developmental No	eeds:	Other Medical Conditions:						

Comments:

Please check if any of the following are applicable:								
Plan of Safe Care was completed and provided to client for continued support and implementation								
Parent was engaged in services prior to delivery								
Additional referrals were made for services for the infant and/or birthing parent/caregivers								
By signing below, I agree with the Plan of Safe Care developed								
Parent/Caregiver Print Name	Parent/Caregiver Signature	Date						
Parent/Caregiver Print Name	Parent/Caregiver Signature	Date						
Provider/Social Worker Print Name	Provider/Social Worker Signature	Date						
Provider/Social Worker Phone Number	Provider/Social Worker Office							