

MatEx: Using the Data

Maternal Substance Exposure Database

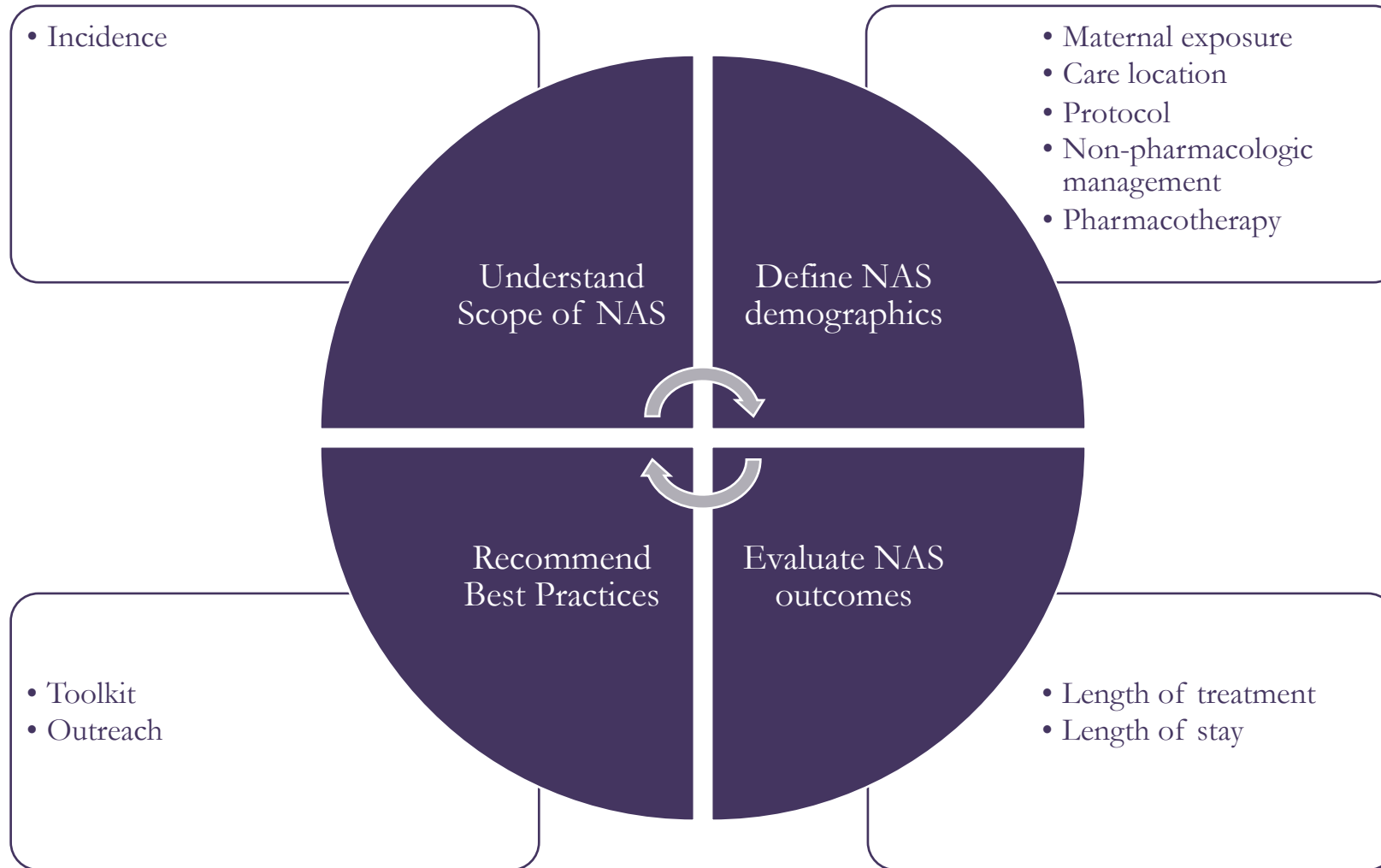
August 2020

Agenda

Time	Topic	Presenter
12:00 PM	MatEx Overview	Caroline Toney-Noland
12:05 PM	Data Entry	Robert Castro, MD
12:15 PM	Reports & Using the Data	Lisa Chyi, MD
12:30 PM	Case Study: UC Irvine	Sandra Iacob, MD & Pam Aron-Johnson, RN
12:50 PM	Questions	Jadene Wong, MD

MatEx Overview

Advancing NAS Management



MatEx Overview

Eligibility

Any infant greater than or equal to 34 weeks gestation with an **in-utero** history of exposure to opiates/narcotics (prescribed or illicit) with Neonatal Abstinence Syndrome (NAS) withdrawal symptoms by Day of Life 7. See list of drugs for complete eligibility:

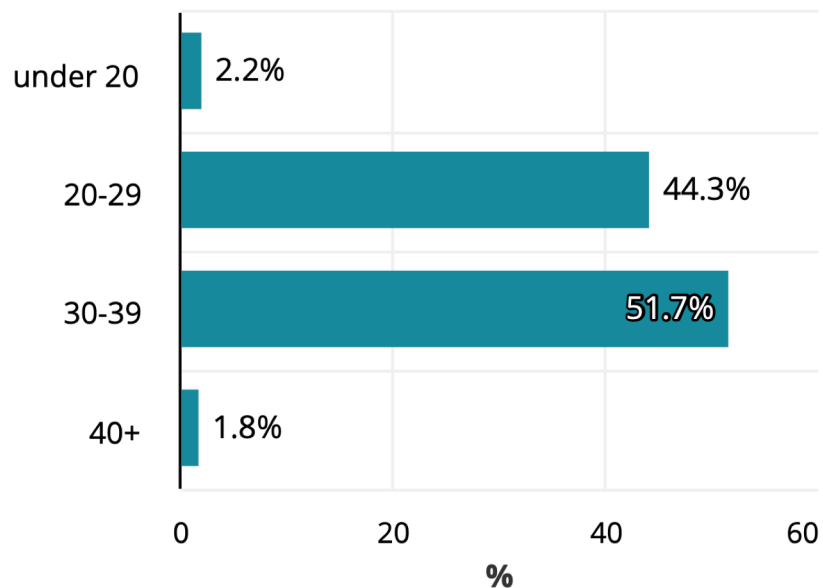
- Buprenorphine (Subutex, Suboxone)
- Codeine
- Fentanyl
- Heroin
- Hydrocodone
- Hydromorphone
- Methadone
- Oxycodone
- Other

- ≥ 34 weeks GA
- in-utero exposure to opiates/narcotics
- with NAS symptoms by DOL 7

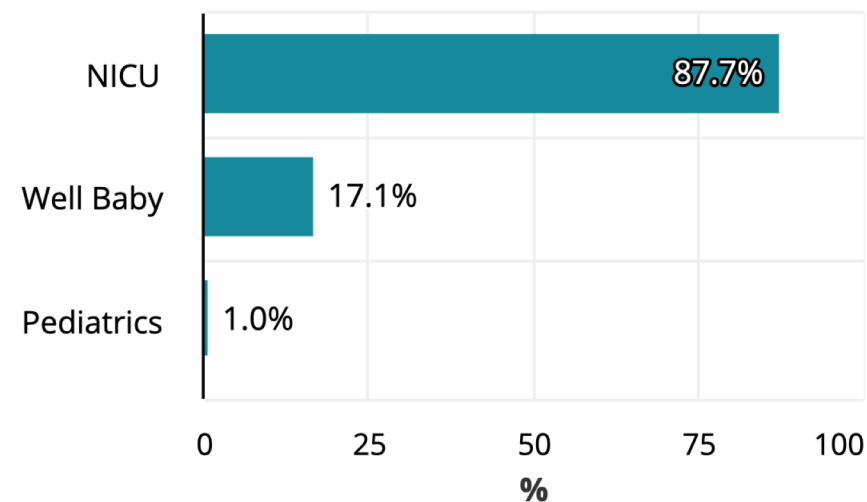
Hudak ML, Tan RC; Committee on Drugs; Committee on Fetus and Newborn.
American Academy of Pediatrics Clinical Report. Neonatal drug withdrawal.
Pediatrics. 2012;129(2). Available at:
www.pediatrics.org/cgi/content/full/129/2/e540

MatEx Snapshot

Maternal Age



Location of NAS Management



- 96.1% of all records reported receiving some non-pharmacologic treatment
- 56% of all records reported receiving pharmacologic treatment

- The average length of stay for opiate exposed infants in MatEx is 16.6 days.
- Only 30% of MatEx records report being discharged home on breastmilk. The average (2006-2019) for all CPQCC babies is 72%.



cpqccdata.org



Show 30 entries **CSV** Refresh Based on NICU Data/NAD Run Error Check New Edit Delete

Search:

Matex ID	NICU Data Record ID	Opt NAD ID	DOB	BW	GA	Admit Type	Admit Date	Disp Date	Comment	# Items Pnd	# Items Unk	# Items Err	# Items Pnd (MBSEI)	Updated
1000008			01-01-20	870	29/6	Outborn	01-01-20			18	0	0	7	03-04-20 06:56
1000009			03-03-20	3,400	UNK	Outborn	03-03-20	03-09-20	&''%;	27	2	0	9	06-29-20 10:14
1000012			03-03-20	3,400	UNK	Readmit	03-16-20			29	2	0	10	06-29-20 10:14
1000011			04-01-20	3,456		Outborn	04-02-20			32	0	0	12	04-18-20 08:16

Showing 1 to 4 of 4 entries

Previous Next

Create New MATEX Record

* Item required for the Collaborative for the Mom & Baby Substance Exposure Initiative (MBSEI).

Demographics

Maternal History

Maternal Screen

Infant Screen

Infant Non-RX Treatment

Infant RX Treatment

Disposition

MATEX ID

MATEX ID - assigned by intake system

NICU Data Record ID

Only applicable for NICU Data eligible infants (NICU participants only). Otherwise, leave empty.

Optional NAD Stay ID

[Optional] NAD stay reference number (NICU participants only).

Optional Hospital Infant ID

[Optional] Infant ID for hospital record (**not MRN**).

Admission Type *

- Inborn
- Outborn
- 30-Day Readmit after Discharge from this Hospital

Prior MATEX ID

Enter MATEX ID for previous stay and admission date for this stay. Once entered, click *Refresh* to load Demographics, Maternal History and Maternal Screen from previous MATEX record.

Date of Birth *

Unknown

Time of Birth

Unknown

Location of Birth *

For outborn infants, specify the hospital name in any format.

Location of NAS Management

- NICU
- Well-Baby
- Pediatrics
- PICU
- Transported to another hospital
- Other
- Unknown

Indicate all locations where the infant received treatment for non-pharmacological and pharmacological care related to exposure or potential exposure.

Sex *

- Female
- Male
- Undetermined
- Unknown

Admission Date *

Indicate when the infant was admitted for treatment. The year of admission must be 2020.

Mother's Date of Birth *

Unknown

Pending?

Cancel

Create

Create New MATEX Record

* Item required for the Collaborative for the Mom & Baby Substance Exposure Initiative (MBSEI).

Demographics Maternal History **Maternal Screen** Infant Screen Infant Non-RX Treatment Infant RX Treatment Disposition

Maternal Toxicology Screen Negative Positive Not Done Unknown

- If Positive, Which Drugs Tested Positive?
- Alcohol
 - Amphetamines
 - Antidepressants/Psychotropics (non SSRI)
 - Benzodiazepines/Barbiturates
 - Cocaine
 - Marijuana (THC)
 - Opiates
 - Phencyclidine (PCP)
 - Other (DESCRIBE)
 - Unknown

Check all drugs, the mother's toxicology screen tested positive for. At least one of the drugs must be checked.

Description of Other

- If Opiates, Which One(s)?
- Buprenorphine (Suboxone, Subutex)
 - Codeine
 - Fentanyl
 - Heroin
 - Hydrocodone
 - Hydromorphone
 - Meperidine
 - Methadone
 - Morphine
 - Oxycodone (Percocet, Percodan, OxyContin)
 - OxyContin
 - Other (DESCRIBE)
 - Unknown

At least one of the opiates must be checked if the maternal toxicology screen tested positive for opiates.

Description of Other

Enter a description for Other Opiate.

Pending? Cancel Create

# Items Pnd (MBSEI)	Updated
0	08-11-20 11:25
1	08-11-20 11:25
1	08-06-20 22:35
1	08-06-20 22:42
0	08-06-20 22:42
0	08-07-20 19:03

Previous Next

Create New MATEX Record

* Item required for the Collaborative for the Mom & Baby Substance Exposure Initiative (MBSEI).

Demographics Maternal History Maternal Screen Infant Screen **Infant Non-RX Treatment** Infant RX Treatment Disposition

Was a structured non-pharmacologic approach, such as 'Eat, Sleep, Console', used for treatment of this substance exposed newborn? * No Yes Unknown

- Which Type(s) of Non-Pharmacologic Support Did Infant Receive at Your Hospital at any Time?
- None
 - Cuddlers
 - Higher Calorie Formula
 - Kangaroo Care or Clothed Cuddling
 - Low Lactose Formula
 - Low Stimulation
 - Pacifiers
 - Rooming In
 - Swaddling
 - Other (DESCRIBE)
 - Not Applicable (not NAS)
 - Unknown

Description of Other

- How was the Infant Fed at Your hospital at any Time?
- Formula
 - Mother's Breast Milk
 - Donor Breast Milk
 - Other (DESCRIBE)
 - Unknown

- Reason(s) why Infant was Not Breastfed by Mother
- Mother not available
 - Mother medically unstable
 - Mother HIV positive
 - Mother positive for illicit drugs
 - Other (DESCRIBE)
 - Unknown

# Items Pnd (MBSEI)	Updated
0	08-11-20 11:25
1	08-11-20 11:25
1	08-06-20 22:35
1	08-06-20 22:42
0	08-06-20 22:42
0	08-07-20 19:03

Previous Next

Create New MATEX Record

* Item required for the Collaborative for the Mom & Baby Substance Exposure Initiative (MBSEI).

- Phenobarbital
- Other (DESCRIBE)
- Unknown

Description of Other

Did Infant Receive any Mother's Milk within the last 24 Hours of Infant Hospital Discharge? * No Yes Unknown

- Infant Health Insurance
- CCS
 - Commercial HMO
 - Commercial PPO
 - Medi-Cal
 - Point of Service EPO
 - Other
 - Unknown

Infant Discharge Date *

- Infant Hospital Disposition *
- Home to biological mother
 - Home to other family member
 - Discharged to Social Services/Foster Care
 - Adoption
 - Transported to another hospital
 - Died
 - Unknown

Select all insurance options that apply for the infant's hospital stay.
Note: Healthy Families Program transitioned to Medi-Cal in 2013.
Select 'Medi-Cal' for Medi-Cal Managed Care plans.

Description of Other

Maternal Disposition

Have All Safe Discharge Checklist Criteria Been Met? * No Yes No Checklist Unknown

- [A template Maternal Safe Discharge Checklist is available here.](#) You can customize the template to create a maternal Safe Discharge Checklist for your facility. Once you have developed those facility-specific criteria, indicate here whether the checklist has been followed for each specific patient.
- Check "Yes" if the specific patient has met ALL safe discharge criteria on your hospital's defined Safe Discharge Checklist
 - Check "No" if the specific patient has not met ALL safe discharge criteria on your hospital's defined Safe Discharge Checklist
 - Check "No Checklist" if your hospital has not yet developed a Safe Discharge Checklist specific to your hospital.

Pending?

Cancel

Create



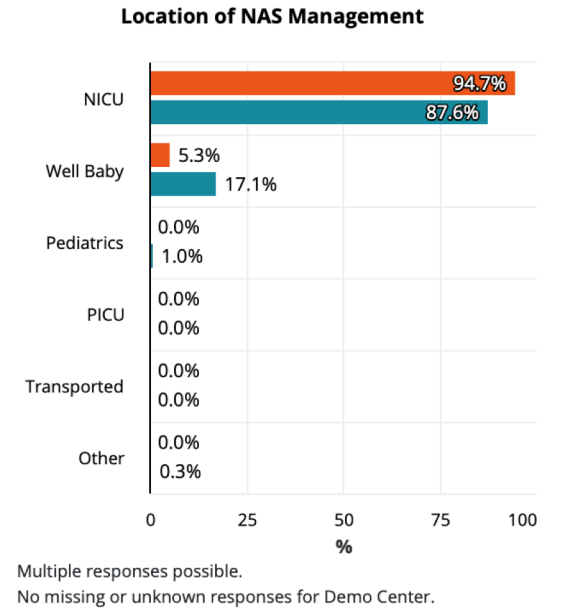
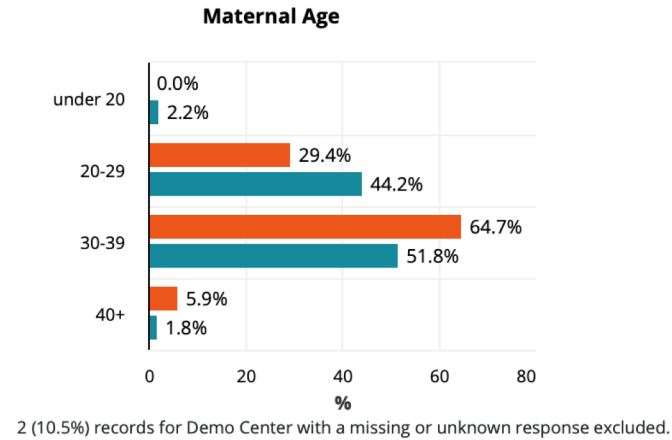
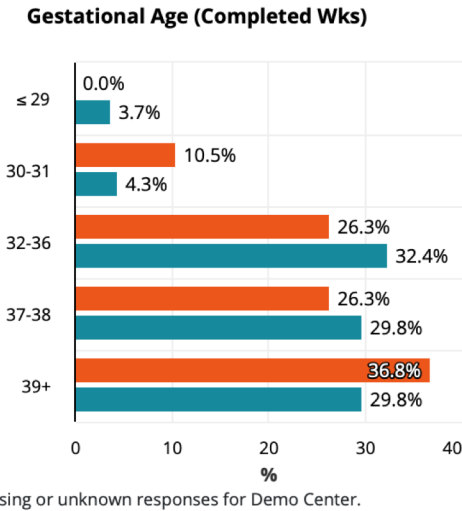
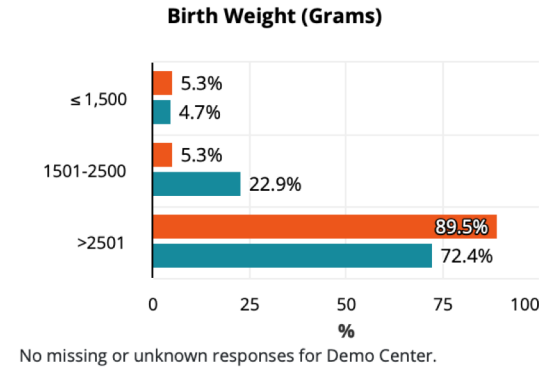
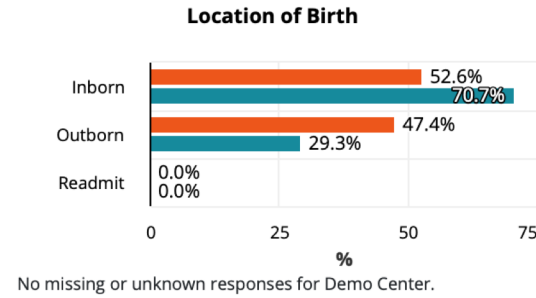
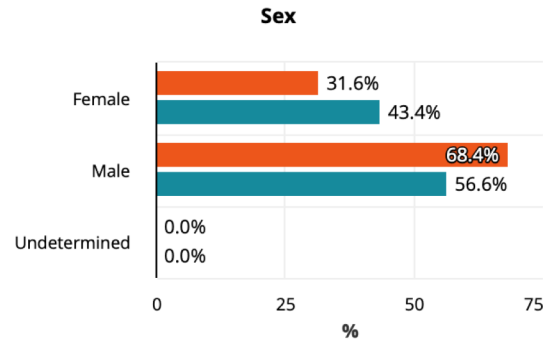
cpqccreport.org

Hide Demo Center in charts

Hide All MATEX Participants in charts

Hide data labels in bar charts

Show tables instead of charts



Hide Demo Center in charts

Show All MATEX Participants in charts

Hide data labels in bar charts

Show tables instead of charts

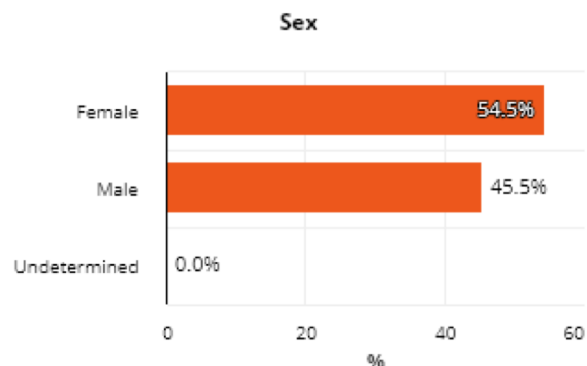
Demographics

Maternal History

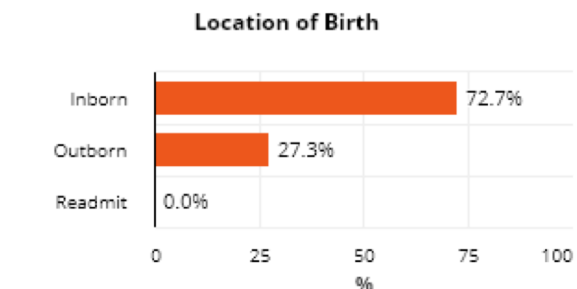
Maternal / Infant Screen

Infant Treatment

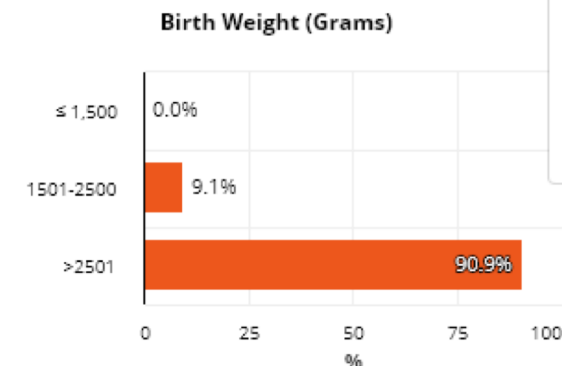
Disposition



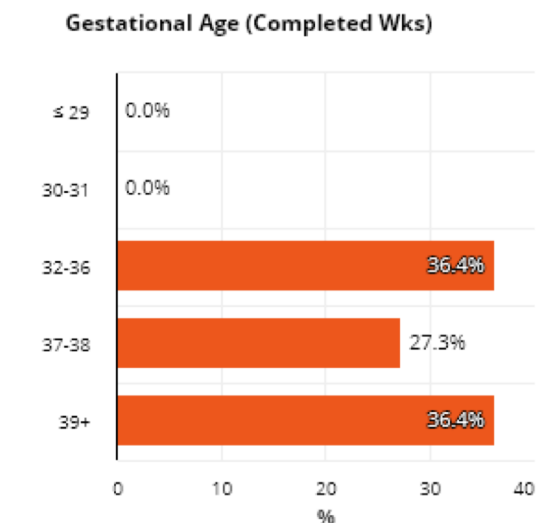
No missing or unknown responses for Demo Center.



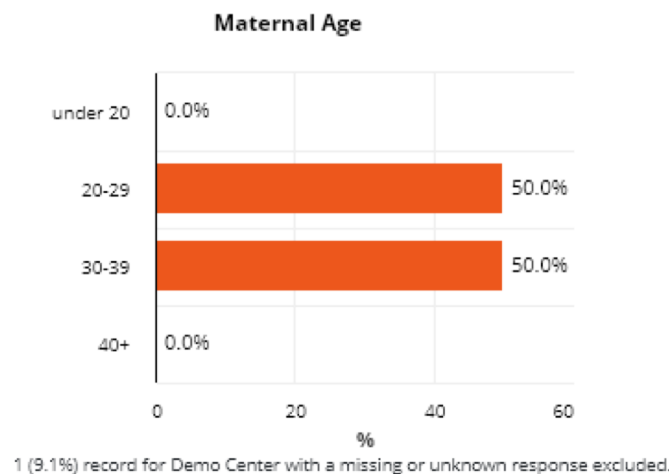
No missing or unknown responses for Demo Center.



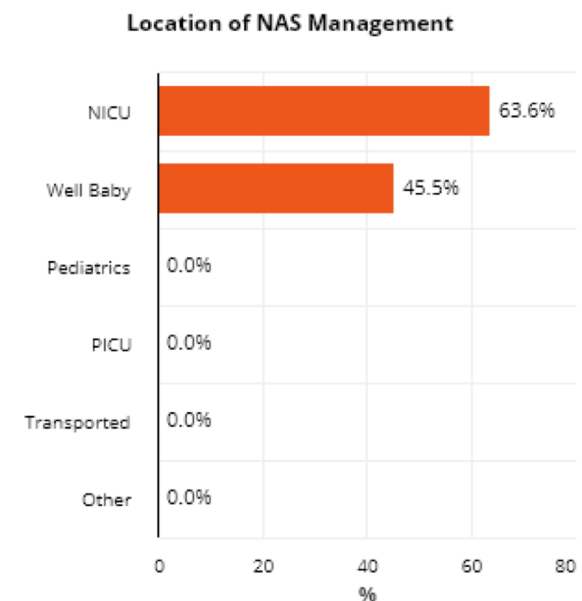
No missing or unknown responses for Demo Center.



No missing or unknown responses for Demo Center.



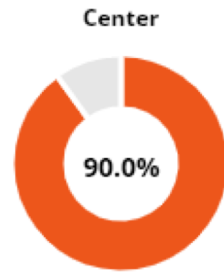
1 (9.1%) record for Demo Center with a missing or unknown response excluded.



Multiple responses possible.

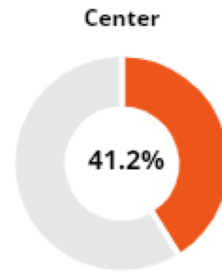
No missing or unknown responses for Demo Center.

% of Infants born to Mothers Positive for Exposure to Drugs During Pregnancy



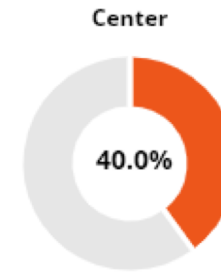
1 (4.8%) record for Demo Center with a missing or unknown response excluded.

% of Infants born to Mothers Receiving Addiction Services During Pregnancy



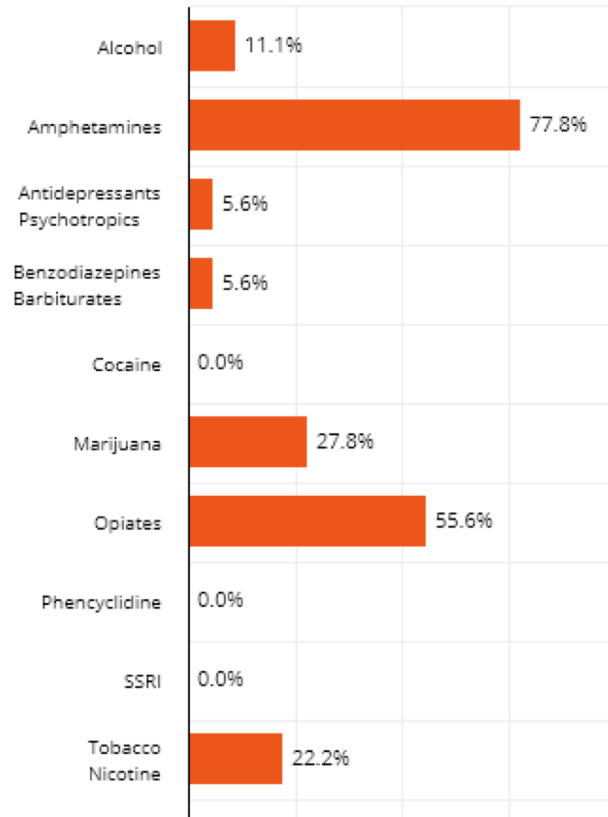
4 (19.0%) records for Demo Center with a missing or unknown response excluded.

% of Infants born to Mothers Receiving Medication Assisted Treatment During Pregnancy

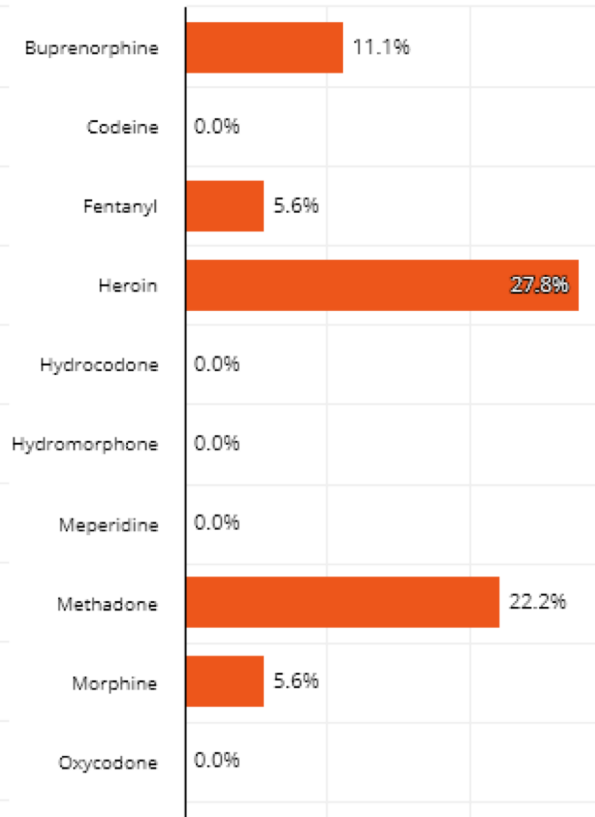


1 (4.8%) record for Demo Center with a missing or unknown response excluded.

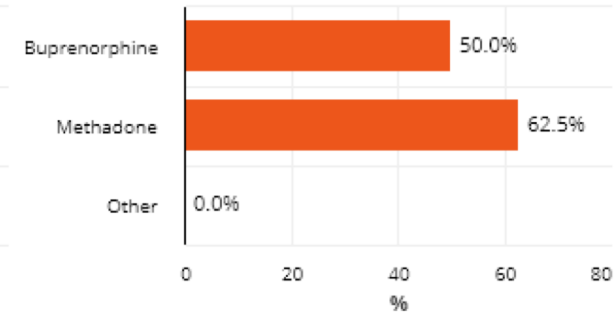
Maternal Drug Exposures during Pregnancy



Maternal Opiate Exposures during Pregnancy

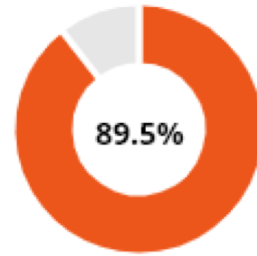


Medication Assisted Treatment Drugs



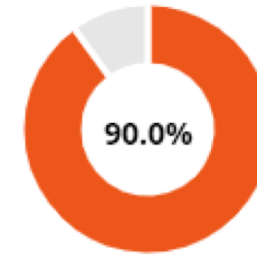
Multiple responses possible.
The denominator is the number of infants born to a mother receiving medication assisted treatment during pregnancy.
No missing or unknown responses for Demo Center.

**% of Infants born to Mothers with Positive Toxicology Screen
Center**



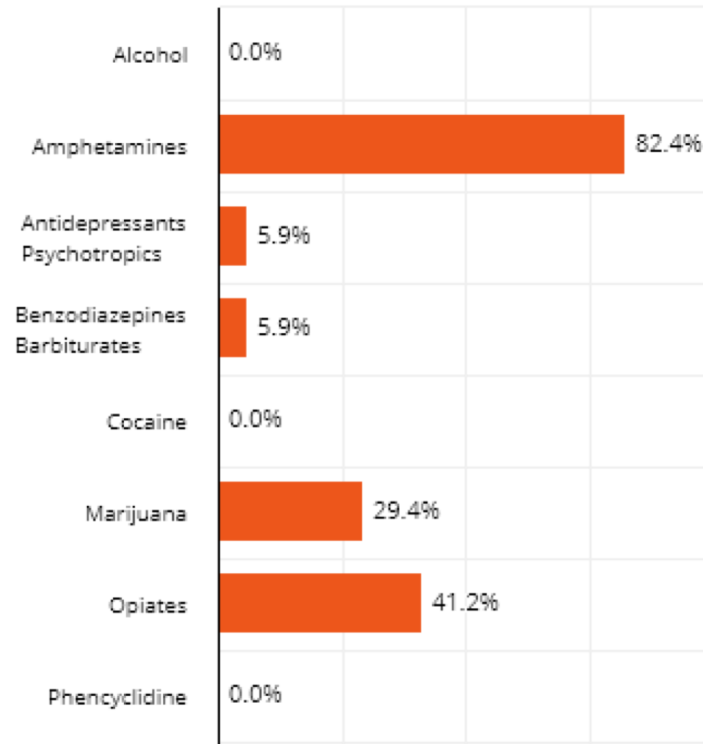
2 (9.5%) records for Demo Center with a missing or unknown response excluded.

**% of Infants with Positive Toxicology Screen
Center**

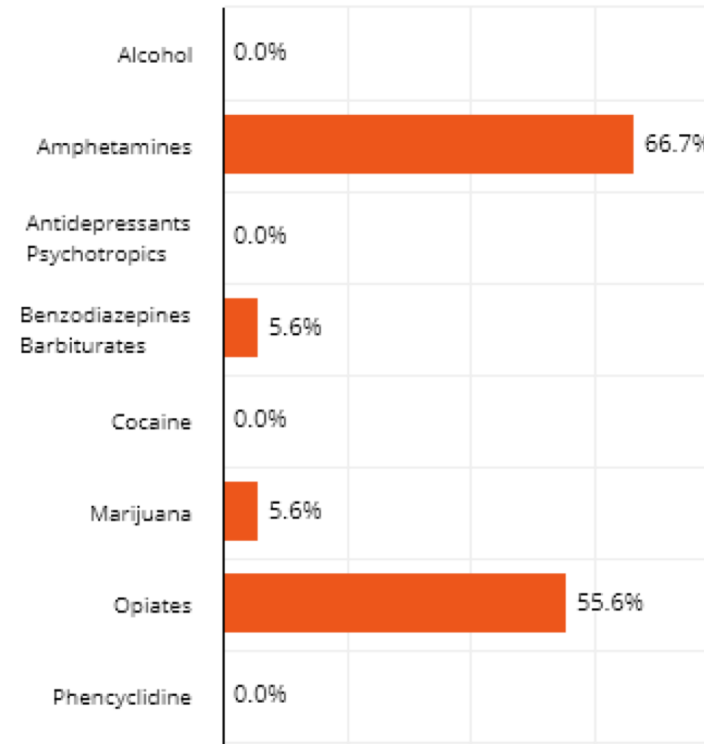


1 (4.8%) record for Demo Center with a missing or unknown response excluded.

**Maternal Toxicology Screen Positive
for ...**



**Infant Toxicology Screen Positive
for ...**



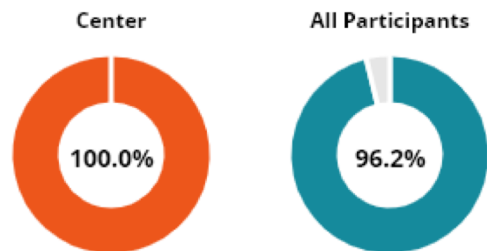
Hide Demo Center in charts

Show All MATEX Participants in charts

Hide data labels in bar charts

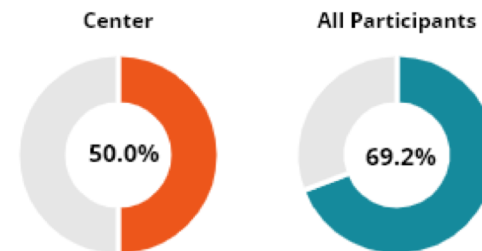
Show tables instead of charts

% of Infants for with Non-Pharmacologic Treatment



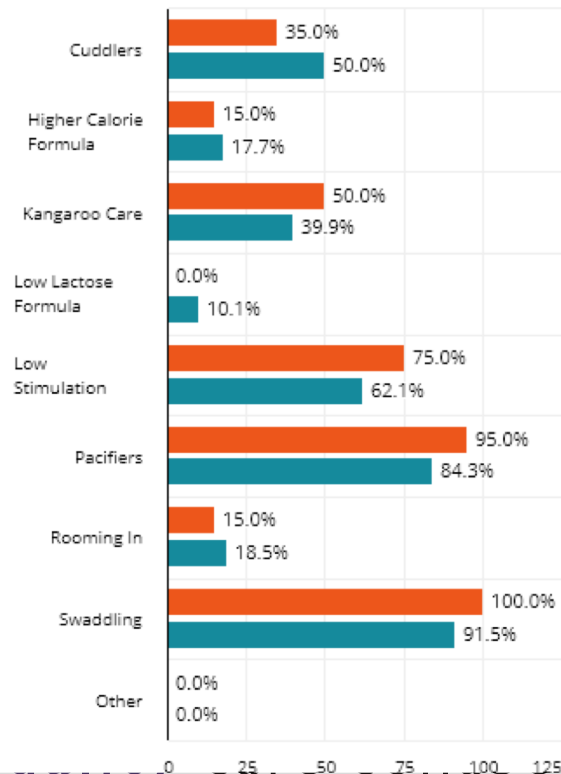
No missing or unknown responses for Demo Center.

% of Infants for whom a Structured Non-Pharmacologic Treatment Approach was Used

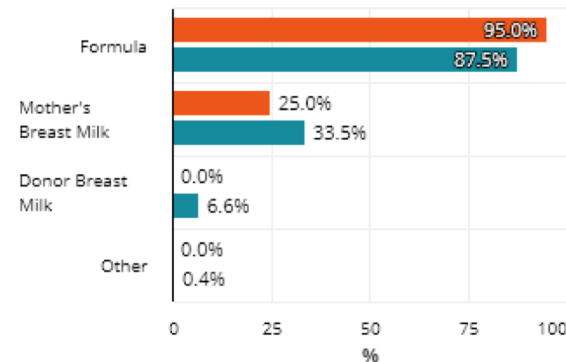


17 (81.0%) records for Demo Center with a missing or unknown response excluded.

Types of Non-Pharmaceutical Support Provided

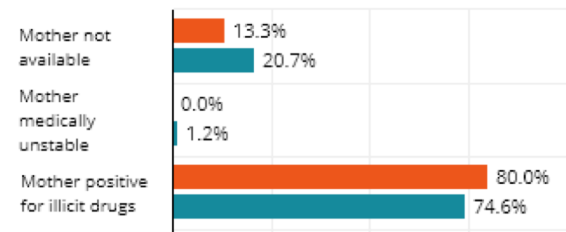


Infant Feed Types while Hospitalized



Multiple responses possible.
1 (4.8%) record for Demo Center with a missing or unknown response excluded.

Reasons why Infant was not Breastfed



Infant Discharged on Pharmacologic Treatment Drug	Demo Center (N Inf=11)		All MATEX Participants (N Inf=175)	
	N	%	N	%
Yes	3	27.3	29	16.6
No	8	72.7	146	83.4
No missing or unknown responses for Demo Center.				

Pharmacologic Treatment Drug Infant was Discharged on	Demo Center (N Inf=3)		All MATEX Participants (N Inf=29)	
	N	%	N	%
Clonidine	0	0.0	0	0.0
Methadone	0	0.0	7	24.1
Morphine	2	66.7	16	55.2
Phenobarbital	1	33.3	5	17.2
Other	0	0.0	1	3.4
No missing or unknown responses for Demo Center.				

Discharged on Breast Milk	Demo Center (N Inf=11)		All MATEX Participants (N Inf=169)	
	N	%	N	%
Yes	5	45.5	59	34.9
No	6	54.5	110	65.1
No missing or unknown responses for Demo Center.				

Using the Data:

QI example comparing drug treatment to non-drug treatment

- Home
- Change Password
- Upload EDS File
- Activity Reports
- Status Reports
- Admin Tasks
- Mail/Download Reports/Data
- Custom Query
- Update Log / Msg Archive
- Logon to NICU Reports
- Calculator Tool
- Member Directory
- NICU 0000
- Add New Data
- Add via Shared Record [0]
- 2020
- Edit Data
- CCS Form
- CCS Report
- Data Reports
- Close-Out Checklist
- Optional NICU Admits DB
- MATEX DB**

Maternal Exposure Database for Admission Year 2020, Center 0000



Show 30 entries **CSV** Refresh Based on NICU Data/NAD Run Error Check New Edit Delete

Search:

Matex ID	NICU Data Record ID	Opt NAD ID	DOB	BW	GA	Admit Type	Admit Date	Disp Date	Comment	# Items Pnd	# Items Unk	# Items Err	# Items Pnd (MBSEI)	Updated
1000013			01-02-20	1,780	30/5	Inborn	01-02-20	01-12-20		1	1	0	0	08-11-20 11:25
1000008			01-10-20	1,360	29/6	Inborn	01-10-20	01-18-20		0	0	0	1	08-11-20 11:25
1000011			02-04-20	3,456	33/4	Outborn	02-04-20	02-09-20		3	2	0	1	08-06-20 22:35
1000012			02-26-20	2,500	31/3	Outborn	02-26-20	03-02-20		0	1	0	1	08-06-20 22:42
1000009			03-03-20	3,400	UNK	Inborn	03-03-20	03-08-20		0	2	0	0	08-06-20 22:42
1000016			03-17-20	1,560	29/0	Inborn	03-17-20	03-25-20		1	0	0	0	08-07-20 19:03

Showing 1 to 6 of 6 entries

Previous Next

matexdb0000-4 Search Sheet Share

Home Insert Page Layout Formulas Data Review View

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
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11																						
12																						
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17	1000012				2/26/20	1:54	2500	31/3	1		1	0	0	0	0	0	0	2/26/20	3/5/01	1	0	
18	1000009				3/3/20	1:54	3400	UNK	0		0	1	0	0	0	0	0	3/3/20	3/5/01	1	0	
19	1000016				3/17/20		1560	29/0	0		1	0	0	0	0	0	0	3/17/20	5/25/98	1	0	
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	matexid	bdate	adate	Disp Date													
2	1000001	1/1/19	1/1/19	1/24/19													
3	1000004	1/26/19	1/26/19	2/7/19													
4	1000010	3/21/19	3/21/19	4/3/19													
5	1000002	4/1/19	4/3/19	4/16/19													
6	1000006	4/30/19	4/30/19	5/26/19													
7	1000015	5/19/19	5/19/19	6/5/19													
8	1000005	5/24/19	5/24/19	6/9/19													
9	1000007	10/1/19	10/1/19	10/20/19													
10																	
11																	
12																	
13	matexid	bdate	adate	Disp Date													
14	1000013	1/2/20	1/2/20	1/12/20													
15	1000008	1/10/20	1/10/20	1/18/20													
16	1000011	2/4/20	2/4/20	2/9/20													
17	1000012	2/26/20	2/26/20	3/2/20													
18	1000009	3/3/20	3/3/20	3/8/20													
19	1000016	3/17/20	3/17/20	3/25/20													
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	

Font: Calibri (Body) 12 | Bold | Italic | Underline | Paragraph: Wrap Text | Merge & Center | Numbering: General | Styles: Conditional Formatting, Format as Table, Cell Styles | Actions: Insert, Delete, Format, AutoSum, Fill, Clear, Sort & Filter

E2 | fx | =D2-C2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	matexid	bdate	adate	Disp Date	LOS												
2	1000001	1/1/19	1/1/19	1/24/19	23												
3	1000004	1/26/19	1/26/19	2/7/19	12												
4	1000010	3/21/19	3/21/19	4/3/19	13												
5	1000002	4/1/19	4/3/19	4/16/19	13												
6	1000006	4/30/19	4/30/19	5/26/19	26												
7	1000015	5/19/19	5/19/19	6/5/19	17												
8	1000005	5/24/19	5/24/19	6/9/19	16												
9	1000007	10/1/19	10/1/19	10/20/19	19												
10				Average	17.4												
11																	
12																	
13	matexid	bdate	adate	Disp Date	LOS												
14	1000013	1/2/20	1/2/20	1/12/20	10												
15	1000008	1/10/20	1/10/20	1/18/20	8												
16	1000011	2/4/20	2/4/20	2/9/20	5												
17	1000012	2/26/20	2/26/20	3/2/20	5												
18	1000009	3/3/20	3/3/20	3/8/20	5												
19	1000016	3/17/20	3/17/20	3/25/20	8												
20				Average	6.8												
21																	
22																	
23																	
24																	
25																	
26																	
27																	

UCI School of Medicine

Our Experience with MatEx

Sandra Jacob MD | Pam Aron-Johnson RN

MatEx

- **Data Collection for ~1.5 years**
 - **NICU**
 - **Mother&Baby**
 - **OB**

MatEx & UCI

- **Our NICU**
 - 1550 Deliveries/year
 - All maternal Transports throughout Orange County
 - Level 4 Regional NICU
 - 450+ NICU Admission/year
- **2019**
 - 48 infants entered into MatEx
 - 15 infants treated
 - 10 discharged on meds

File Home Insert Page Layout Formulas Data Review View ACROBAT Tell me what you want to do...

Normal Page Break Preview Page Custom Layout Views

Ruler Formula Bar Gridlines Headings

Zoom 100% Zoom to Selection

Split View Side by Side Synchronous Scrolling Reset Window Position

Hide Unhide

New Window Arrange All Freeze Panes Switch Windows

Macros

	A	C	D	E	F	G	H	O	P	R	T	U	V	W	X	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1			readmit	hospno	bdate	btime	atype	gestage	bwgt	disp	acutetrout		ddate	ddatehsp	disphsp				adx0	adx1	adx2	adx3	adx4	adx5	adx6	adx7	adx8
	Matex ID/NAD ID	readmission counter	CPQCC CENTER ID AUTO POPULATES	DOB	TOB	0=L&D 1=NBN 3=TX 4=home,,E D,Clinic,ED see readmit codes 110,111,130,131,14	GA	BW	1=hm 2=tx 3=exp 4=nbm	Y= acute n=nonacute	TX REASON	DC DATE/ TX DATE mm/dd/yyyy	FINAL DC DATE	1=alive 3=died	MATERNAL DRUG SCREEN	BABY DRUG SCREEN	Suspected infection	Respiratory distress	Hypoglycemia	Hyperbilirubinemia	Temperature instability	Feeding difficulties	BW/GA per policy	Small for gestational age	Perinatal transitional monitoring	Neonatal abstinence syndrome	
2					020	433	0	25 -3	805																		
3					020	2341	0	28-6	1460																		
4					020	1306	3	34-2	1915																		
5					020	1103	0	39-0	3150	2	Y	SURG															
6	1000065				020	757	1	38-2	3140																		
7					020		0	32-6	1820																		
8					020		0	34-3	2370																		
9					020		0	34-3	1795																		
10					020		0	34-3	2455																		
11					020		0	39-2	3090	2	Y	SURG			1												
12					020	1143	3	34-2	2115																		
13					020	1352	4	38-6	3550	1					1												
14					020	1954	4	34-2	2230																		
15					020	1635	0	35	2845																		

MatEx

Demographics	Maternal History	Maternal Screen	Infant Screen	Infant Non-RX Treatment	Infant RX Treatment	Disposition
MATEX ID	<input type="text" value="1000003"/> MATEX ID - assigned by intake system			NICU Data Record ID	<input type="text"/>	<input type="text"/> Only applicable for NICU Data eligible infants (NICU participants only). Otherwise, leave empty.
Optional NAD Stay ID	<input type="text" value="270"/> [Optional] NAD stay reference number (NICU participants only).			Optional Hospital Infant ID	<input type="text"/>	<input type="text"/> [Optional] Infant ID for hospital record (not MRN).
Admission Type *	<input checked="" type="radio"/> Inborn <input type="radio"/> Outborn <input type="radio"/> 30-Day Readmit after Discharge from <u>this</u> Hospital			Prior MATEX ID	<input type="text"/>	<input type="text"/> Enter MATEX ID for previous stay <u>and</u> admission date for this stay. Once entered, click <i>Refresh</i> to load Demographics, Maternal History and Maternal Screen from previous MATEX record.

Matex ID	NICU Data Record ID	Opt NAD ID
1000001		
1000002		
1000003		270
1000004	5905	
1000005	5906	

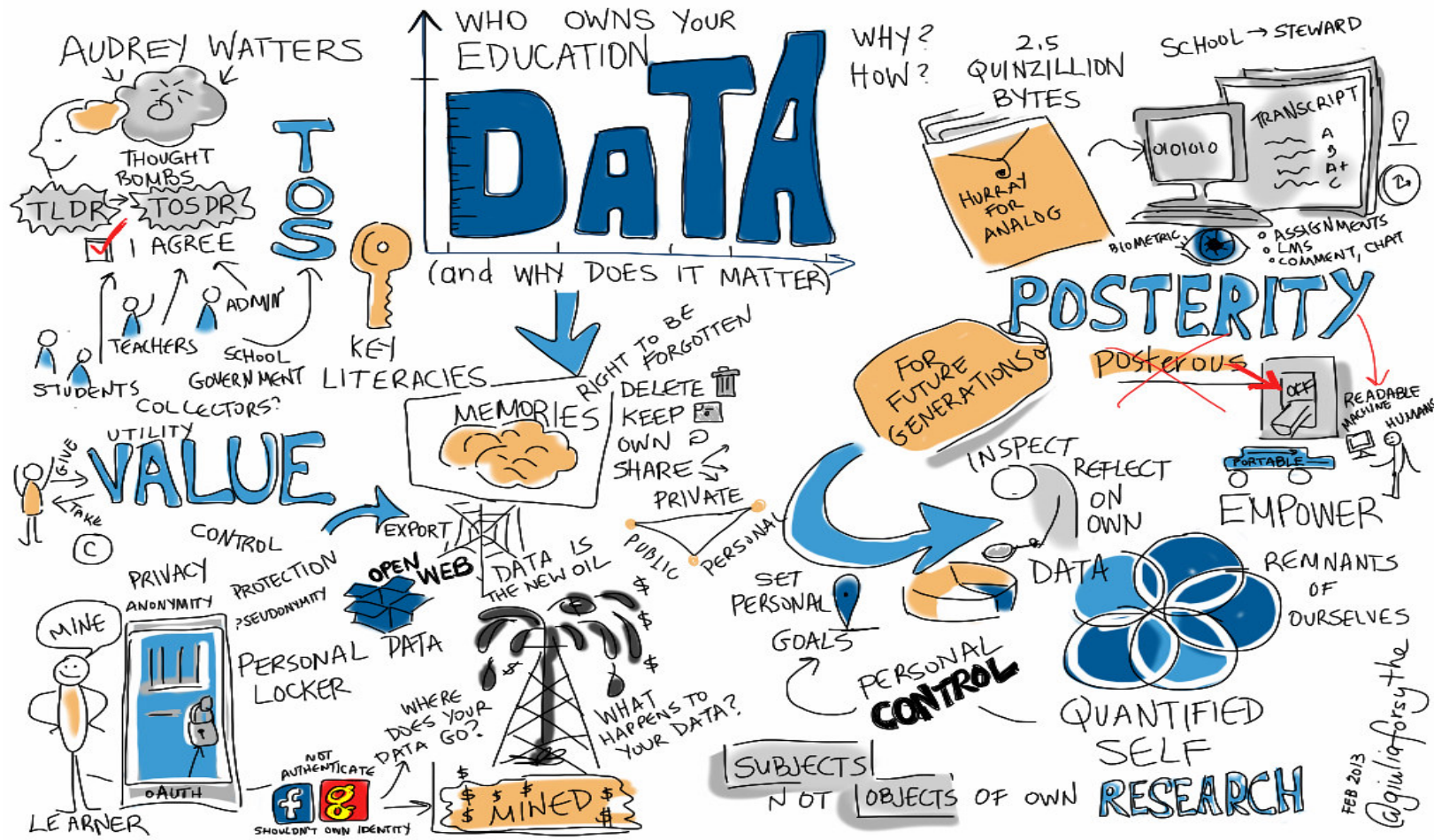
Getting lost?

← Maternal Exposure Database for Admission Year 2019, Center 0291



- At the top right-hand corner of the data entry page in the MatEx DB there is a pdf for the Quick Start Reference guide. If you ever get stuck this will take you through each step.
- There is so much to learn and do. Start adding and play with the database. Make it work for you. It is designed to help you keep track of all these babies as an individual or as a group.





How do you tackle barriers with other units in your hospital?

How do you get their buy in?

What data do you have to show to get their interest?

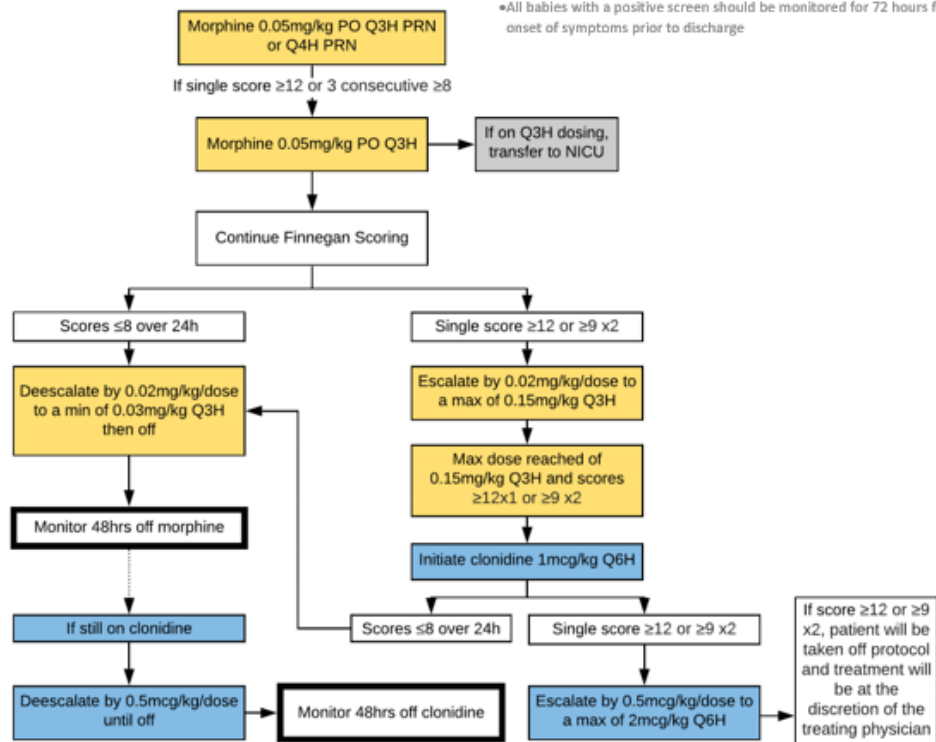
MatEx

- **So what can you do with this data?**
- **How is this applicable at the bedside for the patient?**

MatEx - MBSEI

UCI Neonatal Abstinence Syndrome

Maternal Risk-Based Screening	How To Screen	First-Line Treatment
<ul style="list-style-type: none"> Positive maternal urine test Acknowledgement of maternal history of drug use during pregnancy Placental abruption Scant or lack of prenatal care Admission from justice center 	<ul style="list-style-type: none"> Urine Drug Screen Pain with Reflex to Confirmation Meconium Drug Screen 	<ul style="list-style-type: none"> Continue to establish a therapeutic relationship with parents/caregivers and empower them to be involved with the care of their newborn Emphasize parental presence at bedside, being hands-on with cares, skin-to-skin, holding, swaddling Establish a quiet, low light environment with a limited number of visitors Cluster nursing assessments and interventions when newborn is awake Encourage breastfeeding if mother is in a program on methadone or buprenorphine Start diaper/barrier creams right away Perform Finnegan scores Q3H preferably after a feeding Notify provider when Finnegan scores >8 x3 or >12 x2 All babies with a positive screen should be monitored for 72 hours for onset of symptoms prior to discharge



References:

- Laura Braome, Tsz-Yin So. Neonatal Abstinence Syndrome: The Use of Clonidine as a Treatment Option. *NeoReviews* Oct 2011, 12 (10) e575-e584; DOI: 10.1542/neo.12-10-e575
- Henrietta S. Bada, et al. Morphine Versus Clonidine for Neonatal Abstinence Syndrome. *Pediatrics* Feb 2015, 135 (2) e383-e391; DOI: 10.1542/peds.2014-2377
- Czynski AJ, Davis JM, Dansereau LM, et al. Neurodevelopmental Outcomes of Neonates Randomized to Morphine or Methadone for Treatment of Neonatal Abstinence Syndrome. *J Pediatr.* 2020;219:146-151.e1.

Original Plan ... and Obstacles

- Screening

- **NICU** screening criteria created, easily accepted
- **OB** screening criteria discussed, many committees, lack of champion

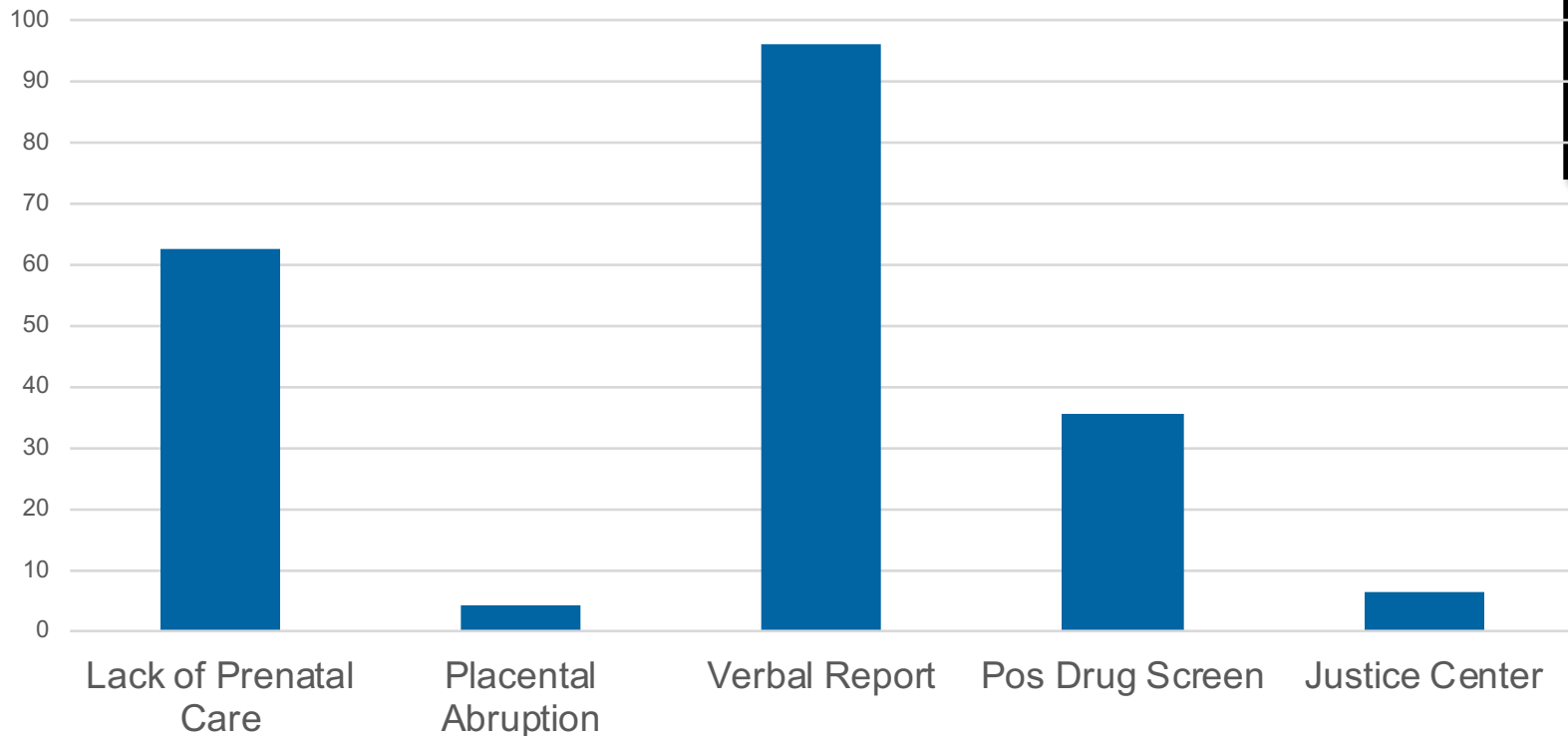
- Baby Algorithm

- **NICU** discussed and accepted
- **Mother&Baby** discussed, concerned for rooming in, morphine, inpatient wean

Solution: Review 2019 Data

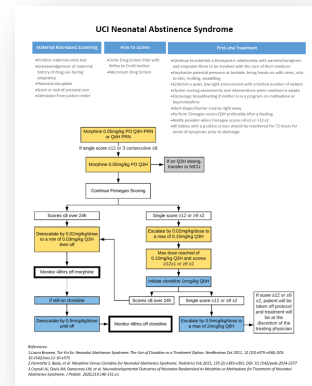
Screening

Screening Data



Maternal Risk-Based Screening

- Positive maternal urine test
- Acknowledgement of maternal history of drug use during pregnancy
- Placental abruption
- Scant or lack of prenatal care
- Admission from justice center



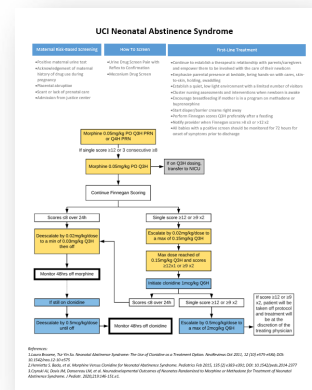
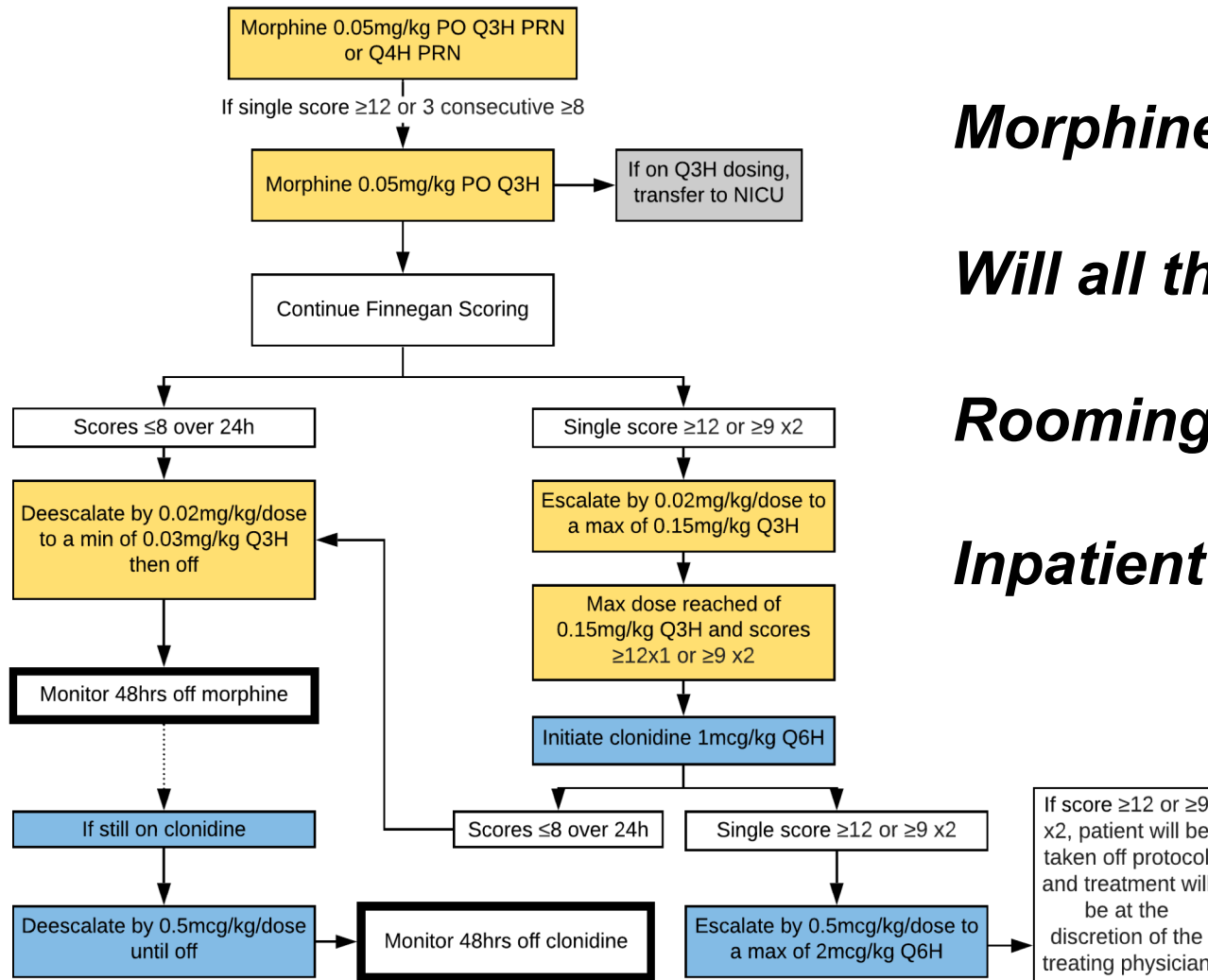
Algorithm

Morphine? Training? Comfort level?

Will all these babies now end up in the NICU?

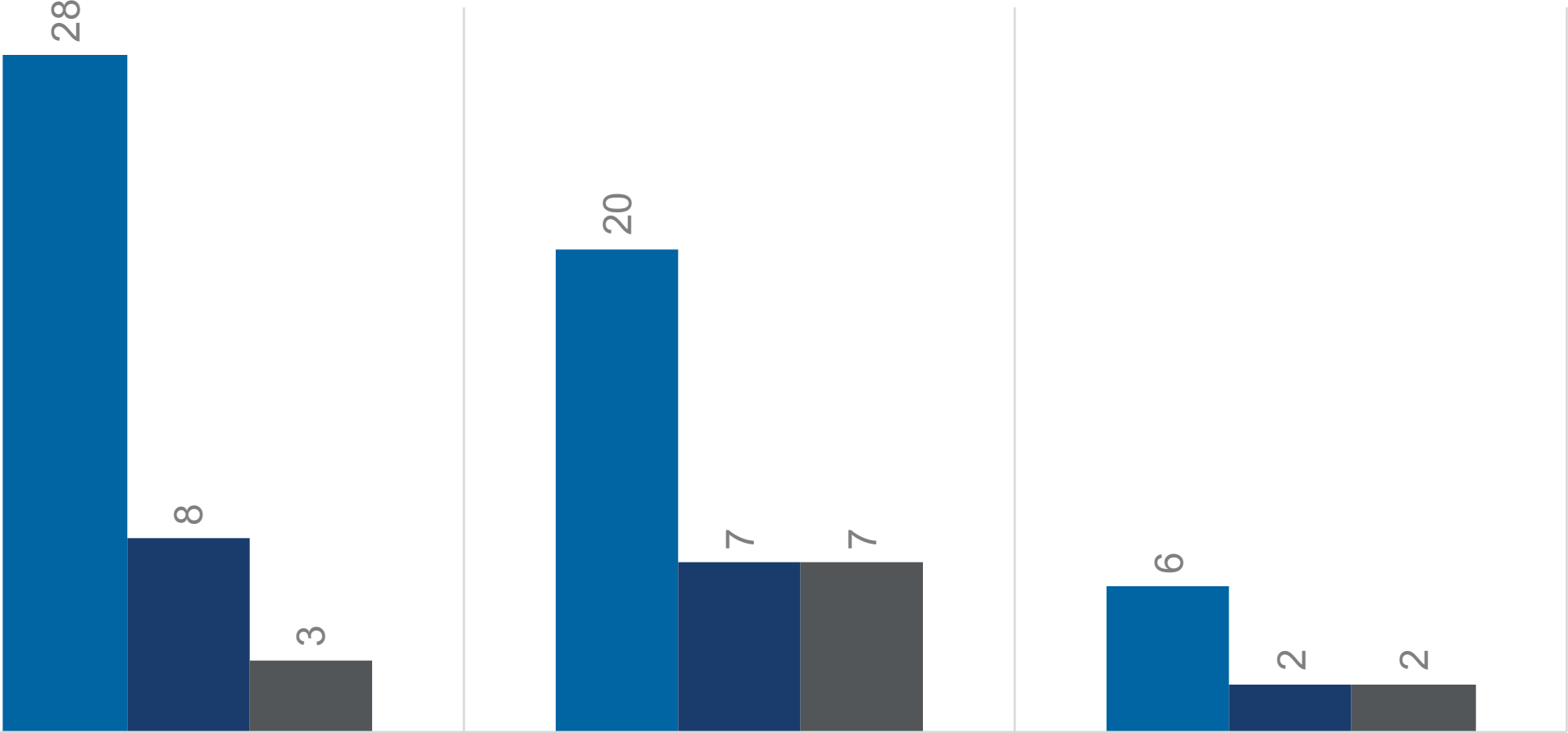
Rooming in? Do we trust the dyad?

Inpatient wean? LOS???



2019 ADMISSIONS

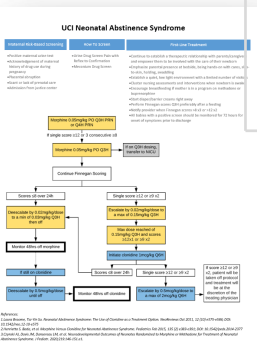
■ Total ■ Treated ■ DC Meds



NICU #

NURSERY #

NICU TX #



Original Plan ... and Obstacles

- **Screening**

- **NICU** Implemented July 2020
- **OB** To be implemented in Aug/Sept 2020

- **Baby Algorithm**

- **NICU** Implemented July 2020
- **Mother&Baby** Implemented July 2020

Stigma

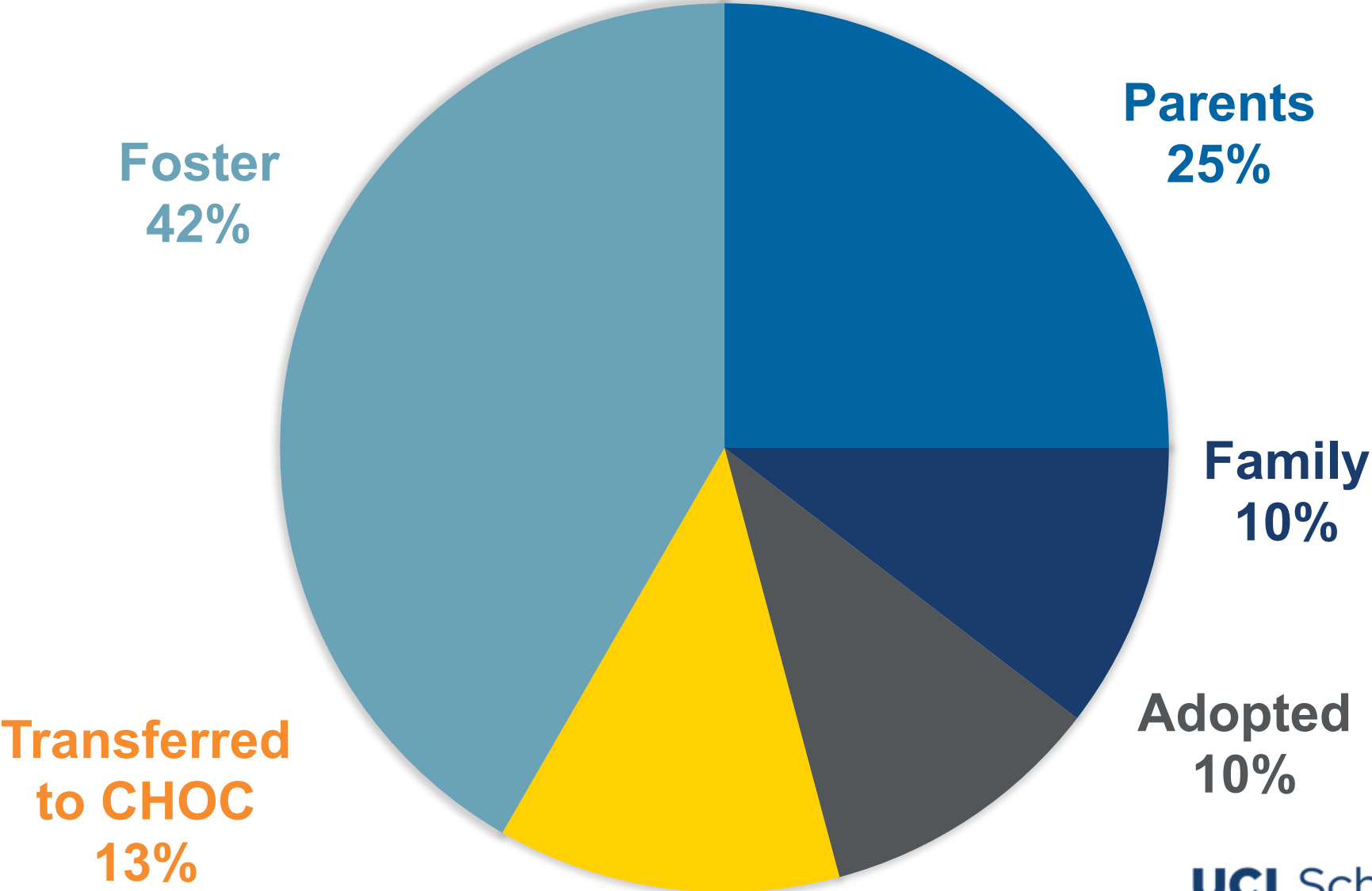
- “Foster Babies”
- “Drug Babies”
- “Parents get too many chances to get it right”

Frank and candid conversations

Webinars/Educational Sessions

UCI School of Medicine

2019 CAREGIVER



What does “Parenting Classes” and proving change mean?

Meeting with Orange County
Public Defender's Office
working in Dependency

Thank You!

Additional Resources

nastoolkit.org

The screenshot shows the homepage of the Mother & Baby Substance Exposure Toolkit. At the top, there are navigation links for "Home" and "About the Toolkit". The main heading is "Mother & Baby Substance Exposure Toolkit". Below this, a paragraph states: "This toolkit introduces best practices to support and improve the quality of care for substance exposed mothers and newborns." A second paragraph explains: "Throughout the toolkit, the terms mother or maternal or she or her are used in reference to the birthing person. We recognize not all birthing people identify as mothers or women. We believe all birthing people are equally deserving of patient-centered care that helps them attain their full potential and live authentic, healthy lives." A prominent orange button labeled "EXPLORE THE TOOLKIT" is centered below the text. Further down, a section titled "Let's learn about our Archetypes" features two profile cards. The first card, for "Kayla", includes a person icon and text about her prescription drug dependency and marijuana use. The second card, for "Baby M", includes a baby icon and text about her journey through gestation and the risk of Neonatal Abstinence Syndrome. At the bottom, a section titled "Where do you work?" displays three category cards: "Outpatient" (with a person icon), "Labor and Delivery" (with a delivery icon), and "Nursery/NICU" (with a baby icon). Each card contains the text: "The Best Practices in this section apply to staff, administration, and..."



If your NICU is interested in participating or learning more about MatEx,
email Caroline Toney-Noland at:
ctn@stanford.edu