

# CPQCC Maternal Exposures Data Collection

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# MatEx Data Collection Pilot

Data collection pilot to improve understanding of this critical public health issue

## Data

Collecting data on all maternal substance exposures (including but not limited to opioids).

## QI

Range of reports designed to help hospitals identify areas of high and low performance, monitor the effects of improvement interventions, and conduct research that advances the quality of care.

## MatEx Workgroup

Comprised of member hospitals who are passionate about this topic.

The workgroup is led by Co-Chairs Robert Castro, Lisa Chyi, and Angela Huang.

# Eligibility Criteria

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

1. Buprenorphine (Subutex, Suboxone)
2. Codeine
3. Fentanyl
4. Heroin
5. Hydrocodone
6. Hydromorphone
7. Methadone
8. Oxycodone
9. Other

Reference:

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](http://www.pediatrics.org/cgi/content/full/129/2/e540)

# About the Data Collection

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1

## Optional

Is optional and open to both CPQCC member and non-member hospitals.

2

## NICU and more

Will be NICU focused but will not be limited to the NICU.

3

## [www.CPQCCData.org](http://www.CPQCCData.org)

Will be housed on the NICU Data site.

4

## MBSEI

This is a separate initiative which CPQCC is implementing in partnership with CMQCC and Health Management Associates.

# MatEx Database Participants

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- Dominican Hospital
- John Muir Medical Center
- LPCH
- Mercy Medical Center Redding
- Rady Children's NICU at Rancho Springs Medical Center
- Redlands Community Hospital
- Riverside University Health System Medical Center
- Salinas Valley Memorial Hospital
- Santa Clara Valley Medical Center
- Santa Rosa Memorial Hospital
- Tri-City Medical Center
- UC Davis
- UC Irvine

# Demographics

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).

Date of Birth \*

Unknown

Time of Birth

Unknown

Admission Type \*

Inborn

Outborn

Transfer for NAS Management

NICU

Well-Baby

Pediatrics

PICU

Transported to another hospital

Other

Unknown

Indicate all locations where the infant was transferred for treatment related to exposure or potential exposure.

Location of Birth \*

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

Sex \* 

Female

Male

Ambiguous

Unknown

Admission Date \*

Indicate when the infant was admitted for treatment.  
The year of admission must be 2019.

Mother's Date of Birth \*

Unknown

Birth Weight \*

Unknown

Specify the birth weight in grams.  
Any non-number entries are ignored.

Gestational Age (ww/d) \*

Unknown

Specify completed weeks and days as WW/D or WW.D or WW-D or WWD or WW  
(assumes 0 for days).

# Maternal History

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

Did the Mother Receive Medication Assisted Treatment during the Pregnancy? \*

No  
 Yes  
 Unknown

Indicate the Medication Assisted Treatment \*

Buprenorphine (Suboxone, Subutex)  
 Methadone  
 Other (DESCRIBE)  
 Unknown

Description of Other

Did the Mother Receive Addiction Services during Pregnancy? \*

No  Yes  Unknown

Addiction Services includes case management, psychiatry, psychology, social work, facilitated group therapy, or facilitated family therapy. During the pregnancy includes any time during the pregnancy and before admission to labor and delivery.

Maternal Drug Exposure during Pregnancy

Negative  Positive  Unknown

Drug exposure is defined as prescription drugs, drugs of addiction, illicit drugs, or antidepressants/antipsychotics.

If Positive, Which Drug Exposures during Pregnancy? \*  Alcohol  Amphetamines  Antidepressants/Psychotropics (non SSRI)  Benzodiazepines/Barbiturates  Cocaine  Marijuana (THC)  Opiates  Phencyclidine (PCP)  Selective Serotonin Reuptake Inhibitors (SSRI)  Tobacco  Other (DESCRIBE)  Unknown

If Opiates during Pregnancy, Which One(s)? \*

Buprenorphine (Suboxone, Subutex)  
 Codeine  
 Fentanyl  
 Heroin  
 Hydrocodone  
 Hydromorphone  
 Meperidine  
 Methadone  
 Morphine  
 Oxycodone (Percocet, Percodan, OxyContin)  
 OxyContin  
 Other (DESCRIBE)  
 Unknown

Description of Other

Description of Other

# Maternal Screen

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)
- Selective Serotonin Reuptake Inhibitors (SSRI)
- Tobacco
- Other (DESCRIBE)
- Unknown

If Opiates, Which One(s)?

- Buprenorphine (Suboxone, Subutex)
- Codeine
- Fentanyl
- Heroin
- Hydrocodone
- Hydromorphone
- Meperidine
- Methadone
- Morphine
- Oxycodone (Percocet, Percodan, OxyContin)
- OxyContin
- Other (DESCRIBE)
- Unknown

Description of Other

Description of Other



# Infant Screen

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

Infant 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)
- Selective Serotonin Reuptake Inhibitors (SSRI)
- Tobacco
- Other (DESCRIBE)
- Unknown

If Opiates, Which One(s)?

- Buprenorphine (Suboxone, Subutex)
- Codeine
- Fentanyl
- Heroin
- Hydrocodone
- Hydromorphone
- Meperidine
- Methadone
- Morphine
- Oxycodone (Percocet, Percodan, OxyContin)
- OxyContin
- Other (DESCRIBE)
- Unknown

Description of Other

Description of Other

# Infant Non-Pharmacological Treatment

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

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

Description of Other

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

Description of Other

# Infant Pharmacological Treatment

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 Infant Treated with Pharmacologic Drugs in Your Hospital?  No    Yes    Unknown  
The infant should have received at least one dose of the primary or secondary treatment drug.

Was the Pharmacologic Treatment Done in Accordance to the NAS Protocol at Your Hospital?  No    Yes    No NAS Protocol for Treatment    Unknown

Primary Pharmacologic Treatment Drug  Buprenorphine (Suboxone, Subutex)    Clonidine    Diluted Tincture of Opium    Methadone    Morphine    Phenobarbital    Other (DESCRIBE)    Primary Treatment Drug Not Used    Unknown

Treatment Start Date   Unknown

Treatment End Date   Unknown

Description of Other

Secondary Pharmacologic Treatment Drug  Buprenorphine (Suboxone, Subutex)    Clonidine    Diluted Tincture of Opium    Methadone    Morphine    Phenobarbital    Other (DESCRIBE)    Secondary Treatment Drug Not Used    Unknown

Treatment Start Date   Unknown

Treatment End Date   Unknown

Description of Other

# Disposition

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**

Infant Disposition

Was the Infant Discharged on NAS Treatment Drugs?  No    Yes    Unknown

NAS Treatment Drug Infant was Discharged on  Clonidine  
 Methadone  
 Morphine  
 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  
 Transported to another hospital  
 Died  
 Unknown

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.

# For More Information...

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## MatEx Website

<https://www.cpqcc.org/nicu/nicu-data/maternal-substance-exposure-data-collection-pilot>

- Contains information about the MatEx Database and the Mother & Baby Substance Exposure Initiative

## MatEx Webinar

<https://www.cpqcc.org/engage/event/maternal-substance-exposure-data-collection-pilot>

- Webinar recording of how to use the MatEx Database and helpful tips on collecting data.

## Join!

To join the Maternal Exposures Workgroup or to start collecting data on maternal exposures at your hospital, please submit a Help Ticket at [www.cpqcchelp.org](http://www.cpqcchelp.org)

CPQC