

Maternal Substance Exposure (MatEx) Data Base Quick Start Guide

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Introduction

Starting from 2019, the NICU Data web interface features a new option available for those CPQCC member centers who participate in the Maternal Substance Exposure (MatEx) data base collection.

As interest in the management of the newborn infant after maternal substance exposure is of interest not only to NICUs and as management of these infants also occurs outside the NICU setting, MatEx DB participation has been extended to include non-NICU facilities.

The California Maternal Data Center (CMDC) is pursuing a parallel effort, the Collaborative for the Mom & Baby Substance Abuse Initiative (MBSEI). For centers participating in MatEx and MBSEI, the MatEx DB allows capture of MBSEI data elements that then be propagated into the CMDC effort.

This document answers basic question to get started with this MatEx DB interface and how it is integrated into the NICU Data and optional NICU Admits Data Bases.

Accessing the MatEx Data Base

Upon logon, CPQCC member centers who participate in the MatEx data collection see an additional option in the cpqcdata.org web interface sidebar.

If your center is participating in the MatEx data collection, but this option is not available upon logon, contact the NICU Data Center via the Help Desk (www.cpqcchelp.org), so the NICU Data Center can update your facility's profile. Once your center's profile has been updated, the new option will appear at your next logon.

By clicking on the MatEx DB link, the current MatEx data base is loaded.

The MatEx DB interface is divided into three sections:

The **top** section allows the user to set the number of MatEx DB entries to show per page, and includes action buttons and a search box for filtering table records.

The **middle** section shows data currently entered in a tabular format. The message 'No data available in table' is displayed if no MatEx records have been entered.

The **bottom** section shows the number of records in the table, the number of records filtered, and it includes table navigation.

Maternal Exposure Database for Admission Year 2019, Center 0002

Show 30 entries CSV Refresh Based on NICU Data Run Error Check New Edit Delete top Search:

| Matex ID | NICU Data Record ID | DOB | BW | GA | Admit Type | Admit Date | Disp Date | Comment | # Items Pnd | # Items Unk | # Items Err | Updated |
|----------------------------|---------------------|-----|----|----|------------|------------|-----------|---------|-------------|-------------|-------------|---------|
| No data available in table | | | | | | | | | | | | |

Showing 0 to 0 of 0 entries bottom Previous Next

Entering Data through the MatEx DB Sidebar Option

Once, the MatEx DB interface has initialized, clicking on the New action button at the top of the table, brings up the MatEx data collection form. The MatEx form appears slightly differently for members who have opted to participate in the MBSEI collaborative.

CSV

Refresh Based on NICU Data

Run Error Check

New

Edit

Delete

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 <input type="text"/> | <input type="text"/> | | | NICU Data Record ID <input type="text"/> | | |
| | MATEX ID - assigned by intake system | | | | Only applicable for NICU Data eligible infants (NICU participants only). Otherwise, leave empty. | |
| Optional NAD Stay ID <input type="text"/> | | | | Optional Hospital Infant ID <input type="text"/> | | |
| | [Optional] NAD stay reference number (NICU participants only). | | | | [Optional] Infant ID for hospital record (not MRN). | |
| Admission Type * | <input 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"/> | | |
| | | | | | 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. | |
| Date of Birth * <input type="text"/> <input type="checkbox"/> Unknown | | | | Time of Birth <input type="text"/> <input type="checkbox"/> Unknown | | |
| Location of Birth * <input type="text"/> | | | | Location of NAS Management | <input type="checkbox"/> NICU <input type="checkbox"/> Well-Baby <input type="checkbox"/> Pediatrics <input type="checkbox"/> PICU <input type="checkbox"/> Transported to another hospital <input type="checkbox"/> Other <input type="checkbox"/> Unknown | |
| | For outborn infants, specify the hospital name in any format. | | | | Indicate all locations where the infant received treatment for non-pharmacological and pharmacological care related to exposure or potential exposure. | |
| Sex * <input type="radio"/> Female <input type="radio"/> Male <input type="radio"/> Undetermined <input type="radio"/> Unknown | | | | Mother's Date of Birth <input type="text"/> <input type="checkbox"/> Unknown * | | |
| | | | | | | |
| Admission Date * <input type="text"/> | | | | | | |
| | Indicate when the infant was admitted for treatment. The year of admission must be 2020. | | | | | |
| Birth Weight * <input type="text"/> <input type="checkbox"/> Unknown | | | | Gestational Age (ww/d) * <input type="text"/> <input type="checkbox"/> Unknown | | |
| | Specify the birth weight in grams. Any non-number entries are ignored. | | | | Specify completed weeks and days as WW/D or WW.D or WW-D or WWD or WW (assumes 0 for days). | |
| Comment <input type="text"/> | | | | | | |
| | [Optional] Any comments or notes that are added to this record. Please do not specify PHI. | | | | | |

Pending?

Cancel

Create

For NICU members, records can also be added through the NICU Data Base Edit ID screen and the Optional NICU Admits Data Base (NAD) interface. Both are discussed later in this document.

The appearance of the MatEx data collection form might differ depending on the size of the display used. **A minimum horizontal display size of 860 pixels is required. Tablets are supported for data entry as long as their screen size accommodates this requirement. Phones are not supported for data entry.**

The MatEx form is divided into 8 sections that can be accessed through the tabs at the top of the form. For new records, the MatEx form always opens on the Demographics tab.

Each MatEx data element is defined in detail in the MatEx DB Excel spreadsheet. The MatEx form includes some additional information for most of the fields.

Each MatEx record is uniquely identified by a number that is always assigned as the next available sequential number. The starting MatEx ID is 1000001.

Entering Dates

The screenshot shows the 'Date of Birth' field with a yellow highlight. To its right is an 'Unknown' checkbox. Below the field is a date selector for April 2019. The calendar shows days of the week (Mon-Sun) and dates (1-30). The number '1' is highlighted in a dark blue box, indicating it is the selected date.

Data entry for dates is facilitated through a date selector.

By default, the date is positioned on the current date.

Note that the month and year at the top of the date selector are both drop-downs menus allowing quick access to other months and years.

Dates can also be entered using the keyboard as MMDDYY, MMDDYYYY, MM-DD-YY, M-DD-YY, MM-D-YY, M-D-YY, MM-DD-YYYY, M-DD-YYYY, MM-D-YYYY, M-D-YYYY, MM/DD/YY, M/DD/YY, MM/D/YY, M/D/YY, MM/DD/YYYY, M/DD/YYYY, MM/D/YYYY, M/D/YYYY, MM.DD.YY, M.DD.YY, MM.D.YY, M.D.YY, MM.DD.YYYY, M.DD.YYYY, MM.D.YYYY, M.D.YYYY, YYYY-MM-DD, YYYY-M-D, YYYY-MM-D, YYYY-M-DD, YYYY/MM/DD, YYYY/M/D, YYYY/MM/D, YYYY/M/DD, YYYY.MM.DD, YYYY.M.D, YYYY.MM.D, YYYY.M.DD.

Also acceptable is MMDD, MM/DD, MM-DD or MM.DD. In this instance the current year is assumed to be the correct year, however, if that results in a future date, the year prior to the current year is assumed.

Entering Times

Times should always be entered on the 24-hour clock from 00:00 to 23:59.

If a time field is submitted as HMM, the field is padded with one zero and interpreted as 0HMM.

If a time field is submitted as MM, the field is padded with 2 zeros and interpreted as 00MM.

If a time field is submitted as M, the field is padded with 3 zeroes and interpreted as 00M.

The MatEx form also provides a time picker to enter time fields.

The screenshot shows the 'Date of Birth' field with a yellow highlight. To its right is an 'Unknown' checkbox. Below the field is a date selector for April 2019. The calendar shows days of the week (Mon-Sun) and dates (1-30). The month 'April' and year '2019' are highlighted in a yellow box, indicating they are the selected values.

Resetting Radio Button Selections

Sex  Female
 Male
 Ambiguous
 Unknown

Radio boxes that have been incorrectly checked and that need to be reset to an “empty” stage, can be reset by clicking on the minus sign on a blue circle. All radio boxes for the item will be reset to the unchecked stage.

Other Date Entry Related Features

If gestational age in weeks is known, but the additional days are unknown, use /U to enter the days portion, i.e., use 38/U to enter a gestational age of 38 completed weeks with unknown days.

For birth weight any non-number characters are removed before the field is processed.

MatEx Form Logic

The MatEx form uses logic to indicate to the users which fields should be filled out. Dependent fields are initially grayed out. These fields become active if they are applicable based on other responses on the form.

An example for a dependent question is shown below.

| | |
|--|--|
| <p>How was the Infant Fed at Your hospital at any Time?</p> <p><input type="checkbox"/> Formula</p> <p><input type="checkbox"/> Mom's Breast Milk</p> <p><input type="checkbox"/> Donor Breast Milk</p> <p><input type="checkbox"/> Other (DESCRIBE)</p> <p><input type="checkbox"/> Unknown</p> | <p>Reason(s) why Infant was Not Breastfed by Mom</p> <p><input type="checkbox"/> Mom not available</p> <p><input type="checkbox"/> Mom medically unstable</p> <p><input type="checkbox"/> Mom HIV positive</p> <p><input type="checkbox"/> Mom positive for illicit drugs</p> <p><input type="checkbox"/> Other (DESCRIBE)</p> <p><input type="checkbox"/> Unknown</p> |
| <p>Description of Other</p> <input type="text"/> | <p>Description of Other</p> <input type="text"/> |

The two description fields and the check boxes to the right are grayed out since a response to the Type of Infant Feeding is needed to determine whether any of the other fields are applicable.

| | |
|--|--|
| <p>How was the Infant Fed at Your hospital at any Time?</p> <p><input checked="" type="checkbox"/> Formula</p> <p><input type="checkbox"/> Mom's Breast Milk</p> <p><input type="checkbox"/> Donor Breast Milk</p> <p><input checked="" type="checkbox"/> Other (DESCRIBE)</p> <p><input type="checkbox"/> Unknown</p> | <p>Reason(s) why Infant was Not Breastfed by Mom</p> <p><input type="checkbox"/> Mom not available</p> <p><input type="checkbox"/> Mom medically unstable</p> <p><input type="checkbox"/> Mom HIV positive</p> <p><input type="checkbox"/> Mom positive for illicit drugs</p> <p><input checked="" type="checkbox"/> Other (DESCRIBE)</p> <p><input type="checkbox"/> Unknown</p> <p style="color: #0070C0; font-size: small;">Specify reason(s) why infant did not receive Mom's breast milk.</p> |
| <p>Description of Other</p> <input type="text" value="bottled mineral water"/> <p style="color: #0070C0; font-size: small;">Enter a description for other feed type.</p> | <p>Description of Other</p> <input type="text" value="Mom unable to breast feed"/> <p style="color: #0070C0; font-size: small;">Enter a description for other reason why infant did not receive Mom's breast milk.</p> |

Minimum Fields Needed to Start a New MatEx record

To start a new MatEx record, at a minimum the admission date has to be entered.

Saving a MatEx record

To save the new MatEx record the Create button that appears at the bottom of the form has to be clicked.

When the system attempts to save the MatEx record, the record is checked for errors. If any errors are found, a message appears at the bottom of the form (as shown on the next page), prompting the user to correct these errors. A record cannot be saved unless all errors are corrected. Once the form is acceptable, the user is returned to the MatEx data base table.

Create New MATEX Record

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

Description of Other

Treatment Start Date Unknown

Treatment End Date Unknown

Specify start/end dates for primary treatment drug.
The infant was admitted on 06-01-2019.

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

Description of Other

Treatment Start Date Unknown

Treatment End Date Unknown

Secondary treatment drug start/end dates not applicable.

Primary treatment end either in the future, prior to birth date, prior to admission date or prior to primary treatment start date. Please correct.

All ungrayed fields are applicable and should be filled out, otherwise the record will be marked as pending. A MatEx form does not have to be completely filled out to save a MatEx record. In other words, an infant’s record can be started while the infant is still hospitalized, and additional information can be added as it becomes available.

Maternal Exposure Database for Admission Year 2019, Center 0001

Show 30 entries CSV Refresh Based on NICU Data Run Error Check New Edit Delete Search:

| Matex ID | NICU Data Record ID | DOB | BW | GA | Admit Type | Admit Date | Disp Date | Comment | # Items Pnd | # Items Unk | # Items Err | Updated |
|----------|---------------------|----------|-------|------|------------|------------|-----------|---------------|-------------|-------------|-------------|----------------|
| 1000001 | | 03-01-19 | 2,100 | 38/0 | Inborn | 03-03-19 | 04-01-19 | Some % \$... | 20 | 0 | 0 | 05-24-19 09:08 |

Showing 1 to 1 of 1 entries Previous 1 Next

A record can be edited by clicking on its row and then selecting Edit from the top menu.

Similarly, a record can be deleted by clicking on its row and then selecting Delete from the top menu.

Adding Records to the MatEx DB based on a NICU Data Record

This section can be skipped by non-NICU MatEx Data Base users.

IDs submitted by NICU 0000 for Birth Year 2019 as of 2019-04-01 at 14:15

Eligible: Y = Eligible, N = Not Eligible, C = Eligibility based on NICU Confirmation, I = Outborn Infant w/out CPeTS Form and no other eligibility criterion met.

Show 30 entries CSV Search:

| ID | MM-DD | BW | GA | MULT | BTHLOC | REFLOC | XFRLOC | Last Updated | STTS | ELIG | FORM | TOOL | ERR | PND | UNK | FORM | ERR | PND | UNK | FORM | ERR | PND | UNK |
|-------|-------|-------|----|------|--------|--------|--------|------------------|-------|------|------|------|-----|-----|-----|-------|-----|-----|-----|-------|-----|-----|-----|
| 01401 | 01-01 | 1,000 | 25 | - | 000001 | | | 2019-01-01 07:41 | PND | Y | A/D | | 0 | 133 | 0 | CPeTS | 0 | 42 | 0 | MTX | 0 | 0 | 0 |
| 01402 | 01-01 | 405 | 25 | S | HERE | na | na | 2019-01-01 07:43 | CMPLT | Y | DRD | | 0 | 0 | 0 | | | | | | | | |
| 01403 | 03-04 | 2,010 | 37 | S | HERE | na | na | 2019-03-26 14:39 | PND | N | A/D | | 0 | 86 | 0 | | | | | MTX++ | | | |
| 01404 | 02-02 | 3,029 | 39 | - | HERE | na | | 2019-04-01 14:15 | PND | N | A/D | | 0 | 138 | 0 | | | | | MTX+ | | | |

Showing 1 to 4 of 4 entries Previous 1 Next

For CPQCC NICUs that participate in the MatEx data collection, 4 columns have been added to the Edit ID area. The FORM column in this section indicates whether or not a MatEx record is present for this NICU Data record:

| | |
|-------|---|
| MTX | <p>Indicates that a MatEx record exists. The record can be accessed by clicking on MTX.</p> <p>All items in the MTX record that can be populated based on the NICU Data record are updated when the MTX record is opened from the NICU Data Edit ID screen with one exception: The admission date is only updated if the MatEx form indicates that the infant’s NAS management primarily occurred in the NICU and if no other options for the field <i>Transfer for NAS Management</i> are checked.</p> <p>Updates must be saved upon opening the MatEx form.</p> |
| MTX++ | <p>Indicates that a MatEx record does not exist for a NICU Data record with evidence of maternal or infant substance exposure. Evidence of maternal substance exposure is verified based on the description for Other Maternal Antenatal Conditions (A/D item 17.a); evidence of infant substance exposure is verified based on the description for Other Fetal Antenatal Conditions (A/D item 17.b).</p> <p>A new MatEx record can be added by clicking on MTX++.</p> <p>All items in the MTX record that can be populated based on the NICU Data record are populated.</p> <p>The MatEx form has to be saved in order to generate the new MatEx record.</p> |

| | |
|------|--|
| MTX+ | <p>Indicates that a MatEx record does not exist, and that the NICU Data record does not have evidence of maternal or infant exposure.</p> <p>A new MatEx record can be added by clicking on MTX+.</p> <p>All items in the MTX record that can be populated based on the NICU Data record are populated.</p> <p>The MatEx form has to be saved in order to generate the new MatEx record.</p> |
| | For Delivery Room Deaths and records of status DEL (deleted), a link to a MatEx form is never provided. |

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 <input type="text"/> <p>MATEX ID - assigned by intake system</p> | | | | NICU Data Record ID <input type="text" value="1403"/> <p>Only applicable for NICU Data eligible infants (NICU participants only). Otherwise, leave empty.</p> | | |
| Optional NAD Stay ID <input type="text"/> <p>[Optional] NAD stay reference number (NICU participants only).</p> | | | | Optional Hospital Infant ID <input type="text"/> <p>[Optional] Infant ID for hospital record (not MRN).</p> | | |
| 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"/> <p>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.</p> | | |
| Date of Birth * <input type="text" value="03-04-2019"/> <input type="checkbox"/> Unknown | | | | Time of Birth <input type="text" value="03:00"/> <input type="checkbox"/> Unknown | | |
| Location of Birth * <input type="text"/> <p>For outborn infants, specify the hospital name in any format.</p> | | | | Location of NAS Management <input checked="" type="checkbox"/> NICU <input type="checkbox"/> Well-Baby <input type="checkbox"/> Pediatrics <input type="checkbox"/> PICU <input type="checkbox"/> Transported to another hospital <input type="checkbox"/> Other <input type="checkbox"/> Unknown | | |
| Sex * <input checked="" type="radio"/> Female <input type="radio"/> Male <input type="radio"/> Undetermined <input type="radio"/> Unknown | | | | <p>Indicate all locations where the infant received treatment for non-pharmacological and pharmacological care related to exposure or potential exposure.</p> | | |
| Admission Date * <input type="text" value="03-04-2019"/> <p>Indicate when the infant was admitted for treatment. The year of admission must be 2020.</p> | | | | Mother's Date of Birth <input type="text" value="04-02-1977"/> <input type="checkbox"/> Unknown * Mother's age at delivery is 41 years. | | |
| Birth Weight * <input type="text" value="2010"/> <input type="checkbox"/> Unknown <p>Specify the birth weight in grams. Any non-number entries are ignored.</p> | | | | Gestational Age (ww/d) * <input type="text" value="37/2"/> <input type="checkbox"/> Unknown <p>Specify completed weeks and days as WW/D or WW.D or WW-D or WWD or WW (assumes 0 for days).</p> | | |
| Comment <input type="text"/> <p>[Optional] Any comments or notes that are added to this record. Please do not specify PHI.</p> | | | | | | |

Pending?

Cancel

Create

Adding Records to the MatEx DB based on the Optional NICU Admits DB (NAD)

This section can be skipped by non-NICU MatEx Data Base users.

NICU 0000 Optional All NICU Admissions Database for Infants Admitted in 2019

Show 30 entries CSV Add NICU Data Records Upload NICU Admissions New Edit Delete Add MATEX Record Edit MATEX Record Search:

| ID | DOB | TOB | BW | GA | Mult | Adm Dt | Adm Tm | Admit Notes | Birth Loc | Ref Loc | Ac Trs In | Dsch Dt | LOS | Trs Loc | Ac Trs Out | NICU Data Record ID | Updated |
|------|----------|-------|-------|------|------|----------|--------|-------------|-----------|---------|-----------|---------|-----|----------|------------|---------------------|----------------|
| 2 | 04-01-19 | 06:10 | 2,100 | | S | 04-02-19 | 21:29 | | | | | | | | | | 04-16-19 07:29 |
| 3 | 04-01-19 | 13:36 | 3,400 | 39/4 | S | 04-03-19 | 08:14 | | | Well... | | | | Pedia... | | | 04-16-19 09:22 |
| 1401 | 01-01-19 | 03:00 | 1,000 | 25/3 | | 01-01-19 | | | 000001 | 000001 | Yes | | | | | 1401 | 04-16-19 07:28 |

For CPQCC NICU members who participate in the MatEx DB, the Optional NAD interface includes 2 additional options as shown above to either add a new MatEx record or edit a MatEx record.

The Optional NAD includes the admission reason 'neonatal abstinence syndrome.' Typing :nas in the search box or alternatively selecting Admit Reason: Neonatal Abstinence Syndrome from the top drop-down box narrows the list to infants to those that should have a record in the MatEx DB. Note that the search box can also be used to search the Admit Notes field for other types of exposure. For instance, if a user adopts the convention to enter MTX in the Admit Notes field for all Optional NICU Admits DB records that should be entered into the MTX DB, entering the search term MTX will filter records with MTX appearing in the Admit Notes field.

NICU 0000 Optional All NICU Admissions Database for Infants Admitted in 2019 Admit Reason: Neonatal abstinence syndrome

Show 30 entries CSV Add NICU Data Records Upload NICU Admissions New Edit Delete Add MATEX Record Edit MATEX Record Search: :nas

| ID | DOB | TOB | BW | GA | Mult | Adm Dt | Adm Tm | Admit Notes | Birth Loc | Ref Loc | Ac Trs In | Dsch Dt | LOS | Trs Loc | Ac Trs Out | NICU Data Record ID | Updated |
|----------|----------|-------|-------|------|------|----------|--------|-------------|-----------|---------|-----------|----------|-----|----------|------------|---------------------|----------------|
| 3 | 04-01-19 | 13:36 | 3,400 | 39/4 | S | 04-03-19 | 08:14 | | | Well... | | | | Pedia... | | | 04-16-19 09:22 |
| 4 | 03-01-19 | 10:26 | 2,000 | 39/0 | S | 03-01-19 | 11:26 | | | | | 03-16-19 | 16 | | | | 06-18-19 16:21 |
| 19053 | 04-30-19 | 19:24 | 2,755 | 38/2 | S | 04-30-19 | 20:00 | NAS ... | | | | 05-26-19 | 27 | | | | 06-06-19 14:29 |
| 20190003 | 01-02-19 | 11:59 | 2,052 | 33/1 | 2B | 01-02-19 | 12:26 | | | | | 01-19-19 | 18 | | | | 06-05-19 18:11 |
| 20190008 | 01-09-19 | 11:52 | 3,412 | 38/0 | S | 01-09-19 | 12:16 | | | | | 01-10-19 | 2 | | | | 06-05-19 17:46 |
| 20190019 | 01-26-19 | 21:25 | 2,492 | 35/3 | S | 01-26-19 | 21:53 | | | | | 02-07-19 | 13 | | | | 06-05-19 18:11 |
| 20190022 | 01-29-19 | 22:54 | 3,534 | 37/4 | | 01-30-19 | | | | | | 02-01-19 | 3 | No | | | 06-05-19 18:11 |

Showing 1 to 7 of 7 entries (filtered from 28 total entries) Previous 1 Next

Clicking on a row allows either adding a new or editing an existing MatEx record.

In the following example, a MatEx record for NAD ID 4 does not exist. Therefore, after clicking on the NAD record's row, the Add MatEx Record option activates. Clicking on Add MatEx Record, opens the MatEx form and populates all items that can be populated with non-missing or unknown values based on the NAD record.

Show 30 entries CSV Add NICU Data Records Upload NICU Admissions New Edit Delete Add MATEX Record Edit MATEX Record Search: :nas

| ID | DOB | TOB | BW | GA | Mult | Adm Dt | Adm Tm | Admit Notes | Birth Loc | Ref Loc | Ac Trs In | Dsch Dt | LOS | Trs Loc | Ac Trs Out | NICU Data Record ID | Updated |
|----|----------|-------|-------|------|------|----------|--------|-------------|-----------|---------|-----------|----------|-----|----------|------------|---------------------|----------------|
| 3 | 04-01-19 | 13:36 | 3,400 | 39/4 | S | 04-03-19 | 08:14 | | | Well... | | | | Pedia... | | | 04-16-19 09:22 |
| 4 | 03-01-19 | 10:26 | 2,000 | 39/0 | S | 03-01-19 | 11:26 | | | | | 03-16-19 | 16 | | | | 06-18-19 16:21 |

The result of adding a new MatEx record is shown on the next page.

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

| Demographics | Maternal History | Maternal Screen | Infant Screen | Infant RX Treatment | Infant Non-RX Treatment |
|----------------------|--|--|---------------|--|--|
| Disposition | | | | | |
| MATEX ID | <input type="text"/> | MATEX ID - assigned by intake system | | NICU Data Record ID | <input type="text"/> |
| | | | | | Only applicable for NICU Data eligible infants (NICU participants only). Otherwise, leave empty. |
| Optional NAD Stay ID | <input type="text" value="4"/> | [Optional] NAD stay reference number (NICU participants only). | | Optional Hospital Infant ID | <input type="text"/> |
| | | | | | [Optional] Infant ID for hospital record (not MRN). |
| Date of Birth * | <input type="text" value="03-01-2019"/> <input type="checkbox"/> Unknown | | | Time of Birth | <input type="text" value="10:26"/> <input type="checkbox"/> Unknown |
| Admission Type * | <input checked="" type="radio"/> Inborn <input type="radio"/> Outborn | | | Transfer for NAS Management | <input checked="" type="checkbox"/> NICU <input type="checkbox"/> Well-Baby <input type="checkbox"/> Pediatrics <input type="checkbox"/> PICU <input type="checkbox"/> Transported to another hospital <input type="checkbox"/> Other <input type="checkbox"/> Unknown |
| Location of Birth * | <input type="text"/> | | | Indicate all locations where the infant was transferred for treatment related to exposure or potential exposure. | |
| | For outborn infants, specify the hospital name in any format. | | | | |
| Sex * | <input type="radio"/> Female <input type="radio"/> Male <input type="radio"/> Ambiguous <input type="radio"/> Unknown | | | | |
| Admission Date * | <input type="text" value="03-01-2019"/> | Indicate when the infant was admitted for treatment. The year of admission must be 2019. | | Mother's Date of Birth * | <input type="text"/> <input type="checkbox"/> Unknown |
| Birth Weight * | <input type="text" value="2000"/> <input type="checkbox"/> Unknown | Specify the birth weight in grams. Any non-number entries are ignored. | | Gestational Age (ww/d) * | <input type="text" value="39/0"/> <input type="checkbox"/> Unknown |
| | | | | | Specify completed weeks and days as WW/D or WW.D or WW-D or WWD or WW (assumes 0 for days). |
| Comment | <input style="width: 100%; height: 60px;" type="text"/> | | | | |
| | [Optional] Any comments or notes that are added to this record. Please do not specify PHI. | | | | |

Applicable MATEX fields updated based on the Optional NAD. Click Create to save as new MATEX record.

Show 30 entries

Search: :nas

| ID | DOB | TOB | BW | GA | Mult | Adm Dt | Adm Tm | Admit Notes | Birth Loc | Ref Loc | Ac Trs In | Dsch Dt | LOS | Trs Loc | Ac Trs Out | NICU Data Record ID | Updated |
|----|----------|-------|-------|------|------|----------|--------|-------------|-----------|---------|-----------|----------|-----|----------|------------|---------------------|----------------|
| 3 | 04-01-19 | 13:36 | 3,400 | 39/4 | S | 04-03-19 | 08:14 | | Well... | | | | | Pedia... | | | 04-16-19 09:22 |
| 4 | 03-01-19 | 10:26 | 2,000 | 39/0 | S | 03-01-19 | 11:26 | | | | | 03-16-19 | 16 | | | | 06-18-19 16:21 |

In the next example, a MatEx record for NAD ID 3 exists. Therefore, after clicking on the NAD record’s row, the Edit MatEx Record option activates. Clicking on Edit MatEx Record opens the MatEx form and **updates all applicable items with non-missing values in the optional NAD record with one exception: The admission date is only updated if the MatEx form indicates that the infant’s NAS management primarily occurred only in the NICU.** Note that you have to save the MatEx record in order for any updated items to be saved to your MatEx DB.

Deleting One or More MatEx DB Records

One or more MatEx DB records can be deleted by selecting them in the MatEx table and then clicking on the Delete button at the top:

Maternal Exposure Database for Admission Year 2019, Center 0000

Show 30 entries

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 |
|----------|---------------------|------------|----------|-------|------|------------|------------|-----------|--------------|-------------|-------------|-------------|---------------------|----------------|
| 1000007 | 1401 | | 01-01-19 | 1,000 | 25/3 | Outborn | 01-01-19 | 03-01-19 | Adding a ... | 0 | 1 | 1 | 1 | 05-24-19 15:25 |
| 1000006 | | 20190003 | 01-02-19 | 2,052 | 33/1 | Inborn | 01-02-19 | 01-19-19 | | 21 | 0 | 0 | 8 | 03-29-19 12:02 |
| 1000014 | 1404 | | 01-04-19 | 3,200 | 37/4 | Outborn | 01-10-19 | 02-14-19 | | 25 | 0 | 1 | 10 | 04-11-19 17:22 |
| 1000003 | | | 01-09-19 | 3,412 | 38/0 | Inborn | 01-09-19 | 01-10-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:47 |
| 1000012 | | 20190023 | 01-30-19 | 4,017 | 37/4 | | 02-04-19 | 02-08-19 | | 9 | 9 | 0 | 11 | 03-26-19 17:04 |
| 1000009 | | | 02-03-19 | 3,040 | 40/2 | Outborn | 02-05-19 | 02-05-19 | | 3 | 5 | 2 | 7 | 03-26-19 17:02 |
| 1000002 | 1403 | | 02-17-19 | 2,400 | 40/2 | Inborn | 02-17-19 | 03-20-19 | | 0 | 0 | 1 | 1 | 03-26-19 15:45 |
| 1000001 | | | 03-01-19 | 3,400 | 39/3 | Inborn | 03-01-19 | 03-07-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:34 |
| 1000010 | | | 03-01-19 | | | Outborn | 03-12-19 | | | 30 | 1 | 0 | 12 | 03-26-19 16:53 |

Showing 1 to 9 of 9 entries 5 rows selected

Previous 1 Next

1000009 02-03-19 3,040 40/2 Outborn 02-05-19 02-05-19 3 5 2 7 03-26-19 17:02

1000002 1403 02-17-19 2,400 40/2 Inborn 02-17-19 03-20-19 0 0 1 1 03-26-19 15:45

1000001 03-01-19 3,400 39/3 Inborn 03-01-19 03-07-19 0 0 0 3 03-25-19 16:34

1000010 03-01-19 3,400 39/3 Outborn 03-12-19 03-12-19 30 1 0 12 03-26-19 16:53

Delete

Are you sure you want to delete the entries for the following record(s)?

- o 1000007
- o 1000006
- o 1000014
- o 1000003
- o 1000012

In the example shown, 5 records are selected for deletion. Upon clicking on Delete, a confirmation message is displayed to the user, and the deletion is completed once the user confirms the deletion by clicking on Remove. Upon removal the updated MatEx table is shown:

Maternal Exposure Database for Admission Year 2019, Center 0000

Show entries 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 |
|----------|---------------------|------------|----------|-------|------|------------|------------|-----------|---------|-------------|-------------|-------------|---------------------|----------------|
| 1000009 | | | 02-03-19 | 3,040 | 40/2 | Outborn | 02-05-19 | 02-05-19 | | 3 | 5 | 2 | 7 | 03-26-19 17:02 |
| 1000002 | 1403 | | 02-17-19 | 2,400 | 40/2 | Inborn | 02-17-19 | 03-20-19 | | 0 | 0 | 1 | 1 | 03-26-19 15:45 |
| 1000001 | | | 03-01-19 | 3,400 | 39/3 | Inborn | 03-01-19 | 03-07-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:34 |
| 1000010 | | | 03-01-19 | | | Outborn | 03-12-19 | | | 30 | 1 | 0 | 12 | 03-26-19 16:53 |

Showing 1 to 4 of 4 entries Previous Next

Handling Batch Updates and Ensuring Consistency Across Data Bases

This section can be skipped by non-NICU MatEx DB users.

A MatEx record can be started at any time. What if NICU Data records or Optional NAD records are updated? How can we ensure that the MatEx record always reflects consistent values for common variables?

Maternal Exposure Database for Admission Year 2019, Center 0000

Show entries 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 |
|----------|---------------------|------------|----------|-------|------|------------|------------|-----------|--------------|-------------|-------------|-------------|---------------------|----------------|
| 1000003 | | | 01-09-19 | 3,412 | 38/0 | Inborn | 01-09-19 | 01-10-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:47 |
| 1000009 | | | 02-03-19 | 3,040 | 40/2 | Outborn | 02-05-19 | 02-05-19 | | 3 | 5 | 2 | 7 | 03-26-19 17:02 |
| 1000007 | 1401 | | 01-01-19 | 1,000 | 25/3 | Outborn | 01-01-19 | 03-01-19 | Adding a ... | 0 | 1 | 1 | 1 | 05-24-19 15:25 |
| 1000001 | | | 03-01-19 | 3,400 | 39/3 | Inborn | 03-01-19 | 03-07-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:34 |
| 1000005 | | | 03-02-19 | 4,001 | UNK | Outborn | 03-03-19 | 03-08-19 | | 1 | 5 | 0 | 4 | 03-25-19 17:14 |
| 1000008 | | | 03-12-19 | 3,236 | 39/0 | Inborn | 03-12-19 | 03-26-19 | | 0 | 9 | 0 | 3 | 03-26-19 16:38 |
| 1000004 | | | 04-01-19 | 2,000 | 40/0 | Outborn | 04-02-19 | 04-11-19 | | 1 | 0 | 0 | 5 | 04-11-19 17:10 |
| 1000002 | 1403 | | 02-17-19 | 2,400 | | Inborn | 02-17-19 | | | 3 | 0 | 0 | 2 | 06-18-19 17:12 |
| 1000006 | 20190003 | | 01-02-19 | 3,400 | | Inborn | 01-02-19 | | | 25 | 0 | 0 | 9 | 06-18-19 17:13 |

Showing 1 to 9 of 9 entries Previous Next

The MatEx DB can be refreshed based on the NICU Data and/or Optional NAD¹.

In the example above, gestational age and hospital discharge date are missing for MatEx ID 1000002. For MatEx ID 1000006, gestational age and discharge date are missing. Note the birth weight for this infant is coded as 3,400 grams.

Performing the refresh successfully updates the MatEx DB with current values in the NICU Data and Optional NAD.

¹ For CPQCC NICU members not using the Optional NAD, the button above the MatEx table refers to the NICU Data DB only.

| 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 |
|----------|---------------------|------------|----------|-------|------|------------|------------|-----------|--------------|-------------|-------------|-------------|---------------------|----------------|
| 1000007 | 1401 | 1401 | 01-01-19 | 1,000 | 25/3 | Outborn | 01-01-19 | 03-01-19 | Adding a ... | 0 | 1 | 0 | 0 | 05-24-19 15:25 |
| 1000006 | | 20190003 | 01-02-19 | 2,052 | 33/1 | Inborn | 01-02-19 | 01-19-19 | | 21 | 0 | 0 | 8 | 06-18-19 17:13 |
| 1000003 | | | 01-09-19 | 3,412 | | | | | | 0 | 0 | 0 | 3 | 03-25-19 16:47 |
| 1000009 | | | 02-03-19 | 3,040 | | | | | | 3 | 6 | 0 | 7 | 03-26-19 17:02 |
| 1000001 | | | 03-01-19 | 3,400 | | | | | | 0 | 0 | 0 | 3 | 03-25-19 16:34 |
| 1000005 | | | 03-02-19 | 4,001 | | | | | | 1 | 6 | 0 | 4 | 03-25-19 17:14 |
| 1000002 | 1403 | | 03-04-19 | 2,010 | | | | | | 1 | 0 | 4 | 1 | 06-18-19 17:12 |
| 1000008 | | | 03-12-19 | 3,236 | | | | | | 0 | 9 | 0 | 3 | 03-26-19 16:38 |
| 1000004 | | | 04-01-19 | 2,000 | | | | | | 1 | 0 | 0 | 5 | 04-11-19 17:10 |

Showing 1 to 9 of 9 entries

Previous 1 Next

Close

MATEX DB updated with non-missing values for applicable fields based on NICU Data and/or Optional NICU Admits DB records.

The updated MatEx DB table shows the updated values:

Maternal Exposure Database for Admission Year 2019, 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 |
|----------|---------------------|------------|----------|-------|------|------------|------------|-----------|--------------|-------------|-------------|-------------|---------------------|----------------|
| 1000001 | | | 03-01-19 | 3,400 | 39/3 | Inborn | 03-01-19 | 03-07-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:34 |
| 1000002 | 1403 | | 03-04-19 | 2,010 | 37/2 | Inborn | 03-04-19 | 03-31-19 | | 0 | 0 | 4 | 0 | 06-18-19 17:12 |
| 1000003 | | | 01-09-19 | 3,412 | 38/0 | Inborn | 01-09-19 | 01-10-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:47 |
| 1000004 | | | 04-01-19 | 2,000 | 40/0 | Outborn | 04-02-19 | 04-11-19 | | 1 | 0 | 0 | 5 | 04-11-19 17:10 |
| 1000005 | | | 03-02-19 | 4,001 | UNK | Outborn | 03-03-19 | 03-08-19 | | 1 | 6 | 0 | 4 | 03-25-19 17:14 |
| 1000006 | | 20190003 | 01-02-19 | 2,052 | 33/1 | Inborn | 01-02-19 | 01-19-19 | | 21 | 0 | 0 | 8 | 06-18-19 17:13 |
| 1000007 | 1401 | 1401 | 01-01-19 | 1,000 | 25/3 | Outborn | 01-01-19 | 03-01-19 | Adding a ... | 0 | 1 | 0 | 0 | 05-24-19 15:25 |
| 1000008 | | | 03-12-19 | 3,236 | 39/0 | Inborn | 03-12-19 | 03-26-19 | | 0 | 9 | 0 | 3 | 03-26-19 16:38 |
| 1000009 | | | 02-03-19 | 3,040 | 40/2 | Outborn | 02-05-19 | 02-05-19 | | 3 | 6 | 0 | 7 | 03-26-19 17:02 |

Showing 1 to 9 of 9 entries

Previous 1 Next

Errors in the MatEx DB

When using the NICU Data interface to enter records into the MatEx DB, errors are immediately checked such that data captured is error-free. However, as circumstances outside the MatEx DB interface can affect the error conditions, errors can be introduced.

As an example: A MatEx record is started and treatment start and end dates for a first NAS treatment are entered. The discharge date is not yet available. The MatEx record is linked to a NICU Data record. Once the NICU Data record is completed, the MatEx DB is refreshed with the updated discharge date. Unfortunately, the treatment start and end dates are in conflict with the discharge date, and the column labeled # Items Err shows a count different from zero.

Maternal Exposure Database for Admission Year 2019, Center 0000

Show 30 entries 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 |
|----------|---------------------|------------|----------|-------|------|------------|------------|-----------|--------------|-------------|-------------|-------------|---------------------|----------------|
| 1000001 | | | 03-01-19 | 3,400 | 39/3 | Inborn | 03-01-19 | 03-07-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:34 |
| 1000002 | 1403 | | 03-04-19 | 2,010 | 37/2 | Inborn | 03-04-19 | 03-31-19 | | 0 | 0 | 4 | 0 | 03-26-19 15:45 |
| 1000003 | | | 01-09-19 | 3,412 | 38/0 | Inborn | 01-09-19 | 01-10-19 | | 0 | 0 | 0 | 3 | 03-25-19 16:47 |
| 1000004 | | | 04-01-19 | 2,000 | 40/0 | Outborn | 04-02-19 | 04-11-19 | | 1 | 0 | 0 | 5 | 04-11-19 17:10 |
| 1000005 | | | 03-02-19 | 4,001 | UNK | Outborn | 03-03-19 | 03-08-19 | | 1 | 6 | 0 | 4 | 03-25-19 17:14 |
| 1000006 | | 20190003 | 01-02-19 | 2,052 | 33/1 | Inborn | 01-02-19 | 01-19-19 | | 21 | 0 | 0 | 8 | 03-29-19 12:02 |
| 1000007 | 1401 | 1401 | 01-01-19 | 1,000 | 25/3 | Outborn | 01-01-19 | 03-01-19 | Adding a ... | 0 | 1 | 0 | 0 | 05-24-19 15:25 |
| 1000008 | | | 03-12-19 | 3,236 | 39/0 | Inborn | 03-12-19 | 03-26-19 | | 0 | 9 | 0 | 3 | 03-26-19 16:38 |
| 1000009 | | | 02-03-19 | 3,040 | 40/2 | Outborn | 02-05-19 | 02-05-19 | | 3 | 6 | 1 | 7 | 03-26-19 17:02 |

Showing 1 to 9 of 9 entries Previous Next

In the example above, two records are in error, 1000002 and 1000009. An error report can be generated by clicking on Run Error Check. The error report includes the MatEx ID, the field description of the item in error, the tab on which the field is located, and a brief error message that indicates the problem.

Maternal Exposure Database Error Report for Admission Year 2019, Center 0000

| MATEX ID | Tab | Field | Error Message | Status |
|----------|---------------------|--------------------------------|---|--------|
| 1000002 | Infant RX Treatment | Primary Treatment Start Date | The primary treatment start date is either in the future, prior to the birth date, prior to the admission date or after the discharge date. | |
| | Infant RX Treatment | Primary Treatment End Date | The primary treatment end date is either in the future, prior to the birth date, prior to the admission date, after the discharge date, or prior to the primary treatment start date. | |
| | Infant RX Treatment | Secondary Treatment Start Date | The secondary treatment start date is either in the future, prior to the birth date, prior to the admission date or after the discharge date. | |
| | Infant RX Treatment | Secondary Treatment End Date | The secondary treatment end date is either in the future, prior to the birth date, prior to the admission date, after the discharge date, or prior to the secondary treatment start date. | |
| 1000009 | Demographics | Optional NAD Stay ID | The Optional NICU Admits Record ID (9090) associated with this MATEX ID does not exist. Either open the MATEX record and update this field, or run a Refresh to clear this error. | |

The MatEx ID is linked to the MatEx record, i.e., clicking on the ID opens its MatEx form, and the error can be corrected.

Once all errors for a record are corrected the status field is updated as shown below:

Maternal Exposure Database Error Report for Admission Year 2019, Center 0000

| MATEX ID | Tab | Field | Error Message | Status |
|----------|---------------------|--------------------------------|---|-------------------------------------|
| 1000002 | Infant RX Treatment | Primary Treatment Start Date | The primary treatment start date is either in the future, prior to the birth date, prior to the admission date or after the discharge date. | |
| | Infant RX Treatment | Primary Treatment End Date | The primary treatment end date is either in the future, prior to the birth date, prior to the admission date, after the discharge date, or prior to the primary treatment start date. | |
| | Infant RX Treatment | Secondary Treatment Start Date | The secondary treatment start date is either in the future, prior to the birth date, prior to the admission date or after the discharge date. | |
| | Infant RX Treatment | Secondary Treatment End Date | The secondary treatment end date is either in the future, prior to the birth date, prior to the admission date, after the discharge date, or prior to the secondary treatment start date. | |
| 1000009 | Demographics | Optional NAD Stay ID | The Optional NICU Admits Record ID (9090) associated with this MATEX ID does not exist. Either open the MATEX record and update this field, or run a Refresh to clear this error. | <input checked="" type="checkbox"/> |

Finding Pending Items in a MatEx Record

The MatEx table shows the number of pending items in a MatEx record (1) and for members participating in MBSEI the number pending MBSEI items (2).

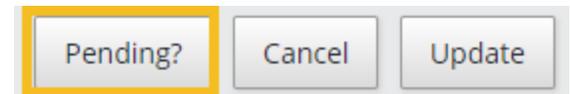
Show entries Search:

| 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 |
|----------|---------------------|------------|----------|-------|------|------------|------------|-----------|---------|-------------|-------------|-------------|---------------------|----------------|
| 1000006 | | 20190003 | 09-09-09 | UNK | UNK | Inborn | 01-02-19 | 01-19-19 | | 0 | 5 | 0 | 1 | 06-20-19 15:37 |
| 1000007 | 1401 | 1401 | 01-01-19 | 1,000 | 25/3 | Outborn | 01-01-19 | 03-01-19 | | 1 | 1 | 3 | 2 | 06-20-19 16:33 |
| 1000003 | | | 01-09-19 | 3,412 | 38/0 | Inborn | 01-09-19 | 01-10-19 | | 1 | 0 | 0 | 3 | 03-25-19 16:47 |
| 1000009 | | | 02-03-19 | 3,040 | 40/2 | Outborn | 02-05-19 | 02-05-19 | | 10 | 2 | 0 | 7 | 06-18-19 17:32 |
| 1000010 | | 4 | 03-01-19 | 2,000 | 39/0 | Inborn | 03-01-19 | 03-16-19 | | 28 | 0 | 0 | 10 | 06-20-19 17:26 |
| 1000001 | | | 03-01-19 | 3,400 | 39/3 | Inborn | 03-01-19 | 03-07-19 | | 1 | 0 | 0 | 3 | 03-25-19 16:34 |
| 1000005 | | | 03-02-19 | 4,001 | UNK | Outborn | 03-03-19 | 03-08-19 | | 2 | 6 | 0 | 4 | 03-25-19 17:14 |
| 1000002 | 1403 | | 03-04-19 | 2,010 | 37/2 | Inborn | 03-04-19 | 03-31-19 | | 27 | 0 | 0 | 9 | 06-20-19 17:23 |
| 1000008 | | | 03-12-19 | 3,236 | 39/0 | Inborn | 03-12-19 | 03-26-19 | | 1 | 9 | 0 | 3 | 03-26-19 16:38 |
| 1000004 | | | 04-01-19 | 2,000 | 40/0 | Outborn | 04-02-19 | 04-11-19 | | 2 | 0 | 0 | 5 | 04-11-19 17:10 |

Showing 1 to 10 of 10 entries Previous Next

To find which items are pending in a record, open a MatEx record by highlighting on the record in the MatEx table and clicking on Edit. The MatEx form footer includes a

button labeled **Pending?**. Clicking on the button opens the Pending Items tab that list all items that are pending for the current record as shown below.



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

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

Disposition **Pending Items**

The record is incomplete. The following items are pending:

* Location of Birth [Demographics]

* Maternal Date of Birth [Demographics]

Did Mother Receive Medication Assisted Treatment during Pregnancy? [Maternal History]

Note that the pending count shown in the table might be higher than the number of pending items listed since dependent (child) items are included in the pending count that is shown in the table. In the example, the item *Did Mother Receive Medication Assisted Treatment during Pregnancy* has a dependent item that only applies if the mother did receive medication assisted treatment during pregnancy.

The Pending Items tab is updated while the record is completed, i.e., when all items are filled out, the Pending Items tab will reflect the updated record status:

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

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

Disposition **Pending Items**

The record is complete. No pending items.

Other Questions Regarding Technical Issues or Data Entry

- 1. If I want to start a new MatEx record, and I have both, a NICU Data record and an Optional NICU Admits DB record, which record should I use to start the MatEx record?**

To start a new MatEx record in this situation, first use the Optional NICU Admits DB record. As the Optional NICU Admits DB record will populate the MatEx record with the NICU Data Record ID for the infant, proceeding this way will link the MatEx record to both data bases. Of course, the NAD does not include gender and mother's birth date. So after you have saved the MatEx record, use the option Refresh Based on NICU Data/NAD to retrieve this information from the linked NICU Data record.

- 2. What happens if a NICU Data Record that is linked to a MatEx record that is hard-deleted?**

The MatEx record is not deleted, however, the NICU Data Record ID is removed from the MatEx record. A refresh is not necessary.

- 3. What happens if a NICU Data Record that is linked to a MatEx record that has the deleted flag set?**

The MatEx record is not deleted. The Edit ID panel no longer links to the MatEx record. The MatEx table no longer shows the link to the NICU Data ID, however, the MatEx DB is only updated and the link removed from the MatEx DB when a user performs a Refresh.

- 4. What happens if an Optional NICU Admits DB record that is linked to a MatEx record is deleted?**

The MatEx record is not deleted. The MatEx table no longer shows the link to the Optional NICU Admits DB, however, the MatEx DB is only updated and the link removed from the MatEx DB when a user performs a Refresh.

- 5. How can I break a link between a MatEx DB record and a NICU Data record?**

To break a link between the two data bases, open the MatEx DB record, and remove the linked NICU Data record ID on the Demographics tab. If your NICU participates in the optional NICU Admits DB, make sure that the NAD record is also unlinked from the NICU Data record, otherwise, the MatEx DB interface will infer from the link to the NAD that there is also a link to the NICU Data record.

- 6. How can I break a link between a MatEx DB record and an Optional NICU Admits DB record?**

To break a link between the two data bases, open the MatEx DB record, and remove the linked NAD stay ID on the Demographics tab. If the MatEx record is also linked to a NICU Data record, make sure that this NICU Data record does not point to the NAD stay ID removed, otherwise, the MatEx DB interface will infer from the link to the NICU Data record and the link of the NICU Data record to the NAD that there is also a link to the Optional NICU Admits DB record.

- 7. How can I obtain a copy of the MatEx DB?**

The MatEx DB can be downloaded at any time as a CSV file through the CSV button at the top of the MatEx table.

- 8. Can I still copy information for a MatEx infant based on a NICU Data record, even if the infant's exposure management was mostly handled by another unit in my hospital and the infant was only in the NICU for a short time?**

Yes. If the infant has a NICU Data Record ID, you can initiate a record based on the NICU Data record. *After you have initialized the record, make sure to change the field Transfer for NAS Management to the unit in your hospital where the infant's exposures were managed; also – if needed – change the Admission Date to the date when the infant was transferred to that unit.* In any subsequent refresh steps, both fields will not be changed.

Note that the discharge date for the NICU Data record and hence the MatEx record is based on the date on which the infant left your hospital.

- 9. Can I still copy information for a MatEx infant based on an Optional NICU Admit record, even if the infant's exposure management was mostly handled by another unit in my hospital?**

Yes. If the infant has an Optional NICU Admits Record ID, you can initiate a record based on the Optional NICU Admits DB. *After you have initialized the record, make sure to change the field Transfer for NAS Management to the unit in your hospital where the*

infant's exposures were managed; also – if needed – change the Admission Date to the date when the infant was transferred to that unit. In any subsequent refresh steps, both fields will not be changed.

Note that the hospital discharge date in the Optional NICU Admits record is used to populate the MatEx field hospital discharge date.

10. What happens if a MatEx record is connected to both, a NICU Data record and an Optional NICU Admits DB record?

Information from both records is used to populate the MatEx record. If the same field is present in both records, the NICU Data record always trumps the Optional NICU Admits DB record.

11. The MatEx table indicates that there is an error in my MatEx DB. How can I find this error?

Run an error check, or open the MatEx DB and try to update the record (errors will be shown in the bottom area under the form).

12. Are there any other checks performed to ensure that the MatEx DB, NICU Data DB and Optional NICU Admits DB are consistent?

At this point, no other checks beyond those described in this document are performed.

13. I still have questions that are not answered by this document, where do I get help?

The CPQCC data center is available via the Help Desk at www.cpqcchelp.org.

Other More General Questions Regarding the Maternal Substance Exposure Data Collection

1. Which infants are eligible for the MatEx DB?

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

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

2. Are only inborn infants eligible, or are infants who are transported in eligible as well?

Infants who are transported to your center are eligible for the MatEx Database as well.

3. Maternal Drug Information: What will be the best way to collect this? Some but not all drugs are usually mentioned in Newborn H&P. To get a complete record, will it be HIPAA safe to go into maternal chart? Will somebody from CMQCC collect this information? If yes, will it be better if we can coordinate with that person.

[Robert Castro] Obtaining maternal drug information should be similar to what information is required to accurately assess/treat the newborn demonstrating symptoms of NAS and documented in the newborn's chart. Obtaining information from the maternal charts/records and interviewing the mother, pertinent to the management of the baby, should be routinely documented in the baby's records. The Database collection is de-identified and transferring that maternal/neonatal history and information will be HIPAA protected. My center will not be relying on CMQCC data collection to complete that section of the database.

4. I am still having trouble obtaining the mother's information. Are there any other tips?

A few sources for maternal data that can be built to follow to the infant's charts in EPIC are: OB notes, NICU and L&D social worker notes (from assessments), EPIC report for urine toxicity screen results, and substance use counselor notes (occasionally the mother will disclose to neonatal providers as well). Delivery documentation (delivery summary in EPIC) can be built so that the OB can document substance use history if known at the time of delivery.

5. If maternal screen is positive by history or by urine drug screen, but the baby does not develop any withdrawal symptoms and never requires any treatment will this baby also qualify for data collection?

[Robert Castro] The Maternal Substance Exposures Database will be collected on symptomatic NAS babies at 34 weeks or greater.

So, a baby that is not symptomatic would not be eligible. This will eliminate a potential positive maternal/neonatal drug screen from opioids that may have been administered in L&D. Yes, we could potentially miss babies that demonstrate late manifestations of NAS post-discharge. In my experience, this is rare...but a good number are re-admitted if the symptoms are severe.

6. Alcohol use during pregnancy has also been listed in the drug abuse list. Does this account for any duration/ quantity/ type of Alcoholic drink?

[Robert Castro] The identification of other drugs/medication exposure will likely be based on the maternal screening/interview. If the alcohol exposure is felt to be significant during pregnancy, would include in the baby's H&P and database. However, the database is not quantifying the severity of exposure to any of the substances listed.

7. Are we collecting information on babies who are symptomatic but receive only non-pharmacologic treatment?

[Lisa J. Chyi] Yes. It is important to learn more about symptomatic opioid exposed infants who receive only non-pharmacologic treatment. I believe much of the bay area and state are moving towards ESC. ESC seems to decrease need for drug treatment so it would be good to have more information on these patients. Our database collects information on non-pharmacologic management and where infant was admitted for NAS.

8. Are we supposed to start collecting data from May 1? If yes what Id number should we assign to these patients.

Data can be collected for any infant with evidence of NAS who was admitted to your hospital in the year 2019 or later. MatEx ID numbers are assigned consecutively starting with number 1000001 (see page 4). The MatEx form allows you to associate the NICU Data Record ID for qualifying infants, the Optional NAD (NICU Admits Data Base) ID or an internal ID (not PHI) to a MatEx record.

9. Is the criterion for home on maternal milk the same as with NICU Data discharges (within the last 24 hours)?

Yes, any feeding with maternal milk during the 24 hours preceding discharge should be coded as "Yes."

10. Will this also include patients who have never been admitted to our NICU? Those who stay in Newborn Nursery?

Yes.

11. Is this only for infants born within our facility or also for transports in?

Infants who are transported to your center can also be included in the MatEx Database

12. Is this only for babies exposed to opioids? We see a lot of babies exposed to meth.

An infant is eligible if the mother was exposed to opiates, or if the mother's tox screen tested positive for opiates, or if the infant's tox screen tested positive for opiates. If exposure to other substances and exposure to opiates occurred, the infant is still eligible for MatEx.

If only exposure to other non-opiate substances occurred, and if the mother's tox screen is negative for opiates, and if the infant's tox screen was negative for opiates, the infant is not eligible for MatEx.

Note though that currently eligibility information is not checked. Therefore, if you would like to track such infants in your NICU, you can add records for these infants. They will however not be included in any analysis on NAS infants.

13. If a mom is admitted and delivers a week later, and if the mom is treated for withdrawal prior to delivery, would that be medication assisted treatment, or did they have to be in an actual program prior to admission?

Yes, as the mother was treated for withdrawal prior to the delivery, in this situation medication assisted treatment during pregnancy should be answered "Yes."