

NICU Database Update

2019 Data Training Sessions

Overview

1 2019 Data Sets

2 NICU Reports Site

3 NICU Data Site

4 NICU Database Eligibility

5 2019 NICU Database Updates

6 Resources

How can we foster a culture of quality improvement? How can we get better at being better?

- How can we **elevate the value** of the work of Data Contacts?
- How can we **engage leadership** to **encourage collaboration** between all data teams (i.e NICU, CPeTS, HRIF)?
- How can we **better improve data quality and data linkage between programs?** (i.e HRIF/NICU Match status report)



2019 Data Sets

TRANSPORT

- Patient Diagnosis
- Demographics
- Time Sequence
- Infant Condition/ TRIPS
- Referral Process
- Comments

NICU

- Demographics
- Maternal History & Delivery
- Delivery Room and First Hour of Birth
- Post-Delivery Diagnoses and Interventions
 - Respiratory
 - Infections
 - Other Diagnoses, Surgeries
 - Neurological
- Congenital Malformations
- Initial Disposition
- Post-Transport Status

2019 Data Sets

HRIF

- Very Low Birth Weight (VLBW) Infant
- Completed Gestational Age < 32 Weeks
- ECMO, Cooling, or Moderate/Severe HIE Diagnosis
- Surgery for Congenital Heart Disease
- Nitric Oxide Use
- Seizures during any stay prior to home discharge

CCS SUPPLEMENTAL FORM

- Section A. Hospital Births and Deaths (by BW)
- Section B. Total Admissions to Your NICU (by BW)
- Section C. Total Transports-Out of Your NICU (by BW)
- Section D. Hospital Births and NICU Inborn Admissions (by GA)
- Section E. Average Daily Census In Your NICU, Newborn Antibiotic Exposures (NAE) and Antibiotic Use Rate (AUR)
- Section F. Central-line Associated Bloodstream Infections (CLABSI)
- Perinatal Quality Improvement (QI) Project Inventory

NICU Reports



NICU REPORTS SITE

www.cpqccreport.org

- Online web-tool that analyzes and displays critical information on newborns admitted to NICUs across California
- **Need a one-on-one session?** Email info@cpqcc.org.

cpqcc
california perinatal
quality care collaborative

February 28, 2018
Contact Support
[Help Desk](#)

Welcome, Demo!
NICU User

Make your selections

- Select Display ...
- Home
- ✓ Dashboard
- SB NICU Snapshot
- CCS Report
- HRIF/CPQCC Match Summary
- HRIF/CPQCC Match Status Report
- Quality Indicators
- Eligibility
- Basic Table
- Detail Table
- Control Chart
- Risk-Adjusted Trend / Comparison
- CPeTS Transport In
- CPeTS Transport Out

My Activity and Trending Topics

Change password for DEMOuser
Show Session History
Show Favorites
CMQCC Maternal Data Center

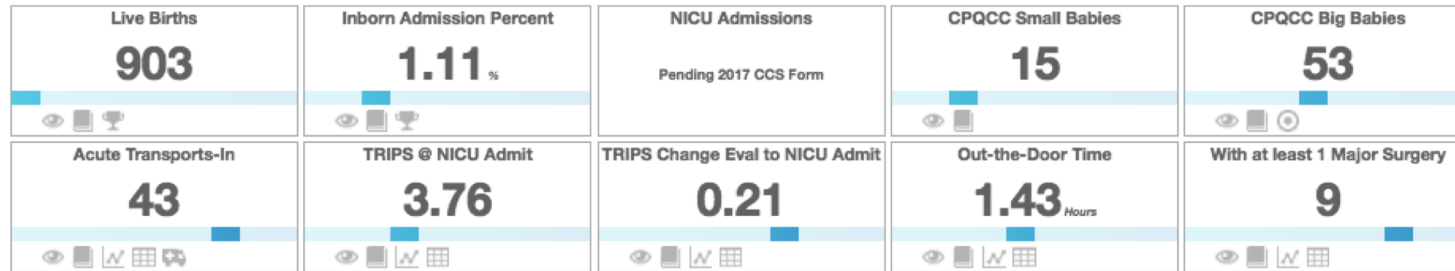
Dashboard



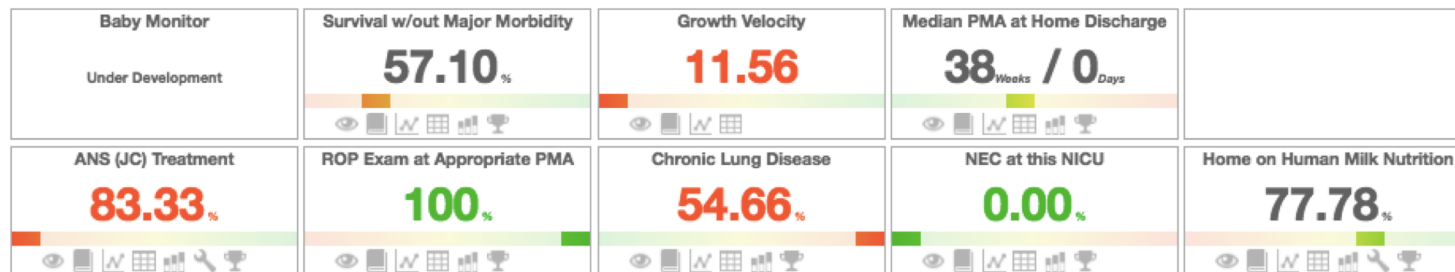
NICU Dashboard for Demo Center

2017 2018

NICU Operations



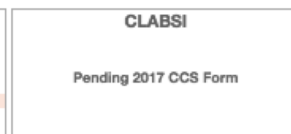
VON Small Babies



Big Babies



Infection Control

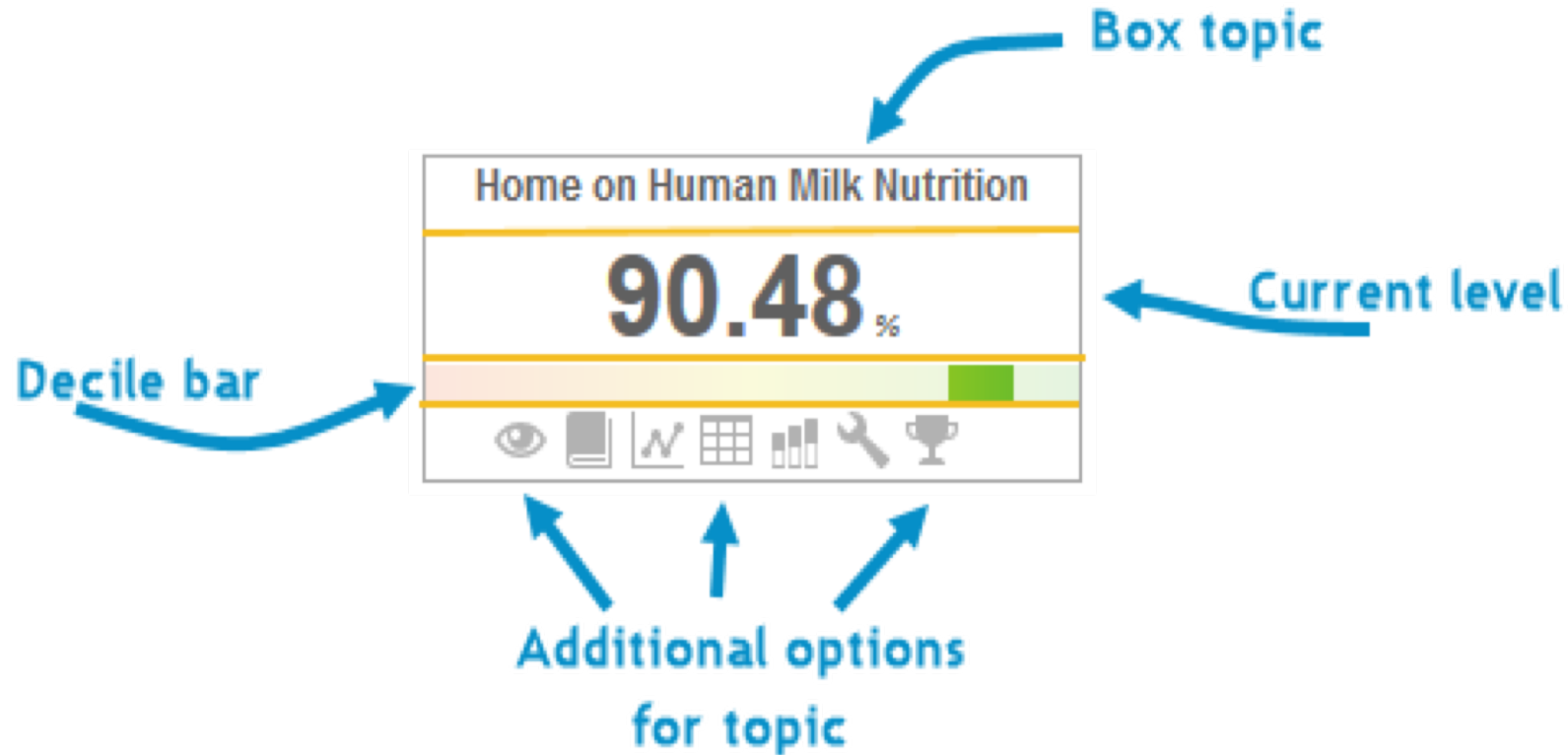


HRIF



Last dates reported for this center in CPQCC: Birth date: 12/25/2017. Admission Date: 12/26/2017. Discharge Date: 01/19/2018. Last birth date for live births data: 01/31/2018.

Dashboard



CURRENT LEVEL

- Quantitative measure
- If the topic is QI-related, it will reflect as green if the NICU is among the top 10% of performers and orange if among the bottom 10%
- Exceptions to rule noted in box's information tooltip

DECILE BAR

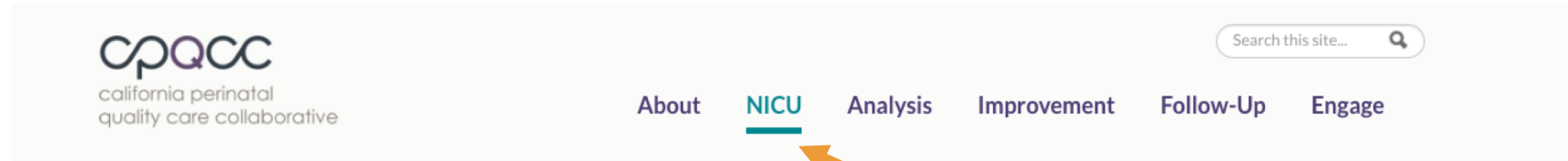
- Shows center/region's position in comparison to all other CPQCC centers/perinatal regions

ADDITIONAL OPTIONS

- Additional information and resources about the topic

NICU Reports Overview

www.cpqcc.org



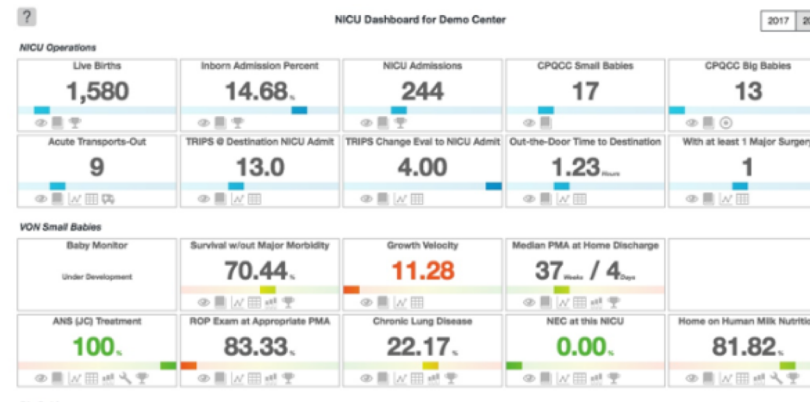
- NICU Data
- NICU Reports
- NICU Data Resources
- Committee Oversight

NICU Reports

CPQCC's [NICU Reports](#) site allows you to visualize and understand your NICU data and use those insights to drive improvements in NICU care. Below we profile a few of our most exciting types of reports. [For more information on available reports >](#)

Dashboard

The Dashboard serves as a launchpad for quality improvement, providing a snapshot of both clinical and operational metrics for each NICU. The dashboard can be used to get a sense of areas where a unit is performing well and areas that may require further attention. Graphs can be downloaded in JPEG or PDF formats for distribution among the NICU team or to hospital leadership.

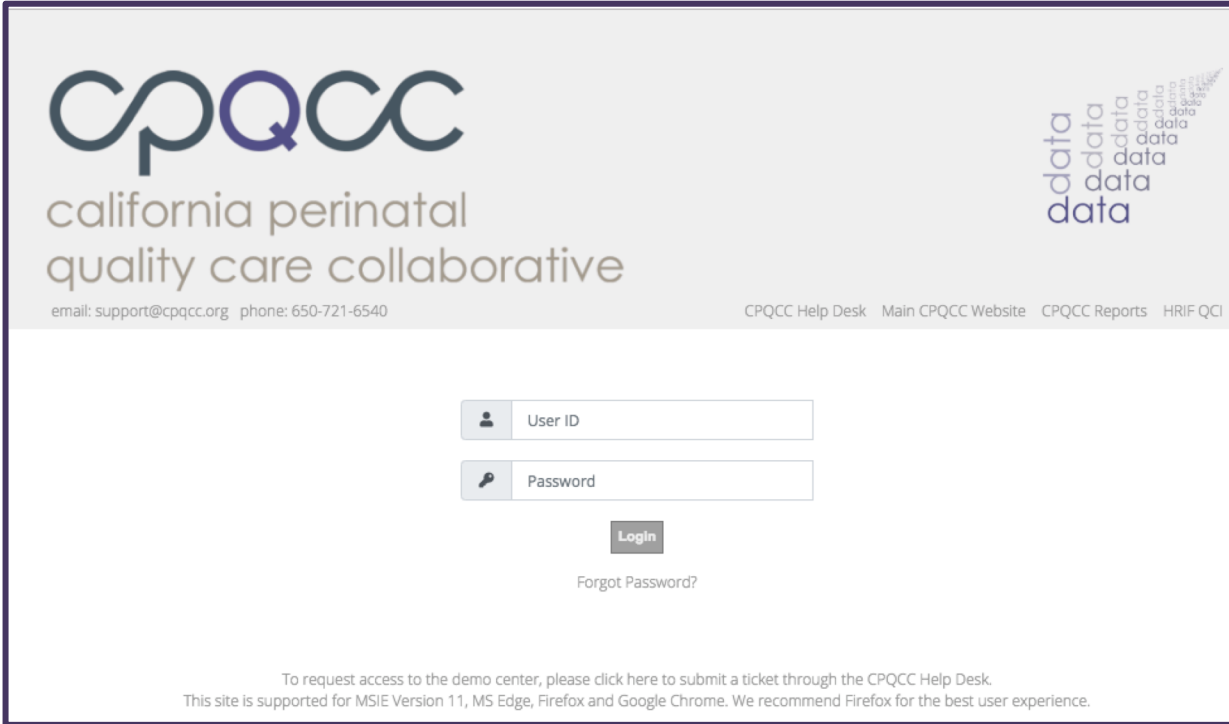


NICU Data Site

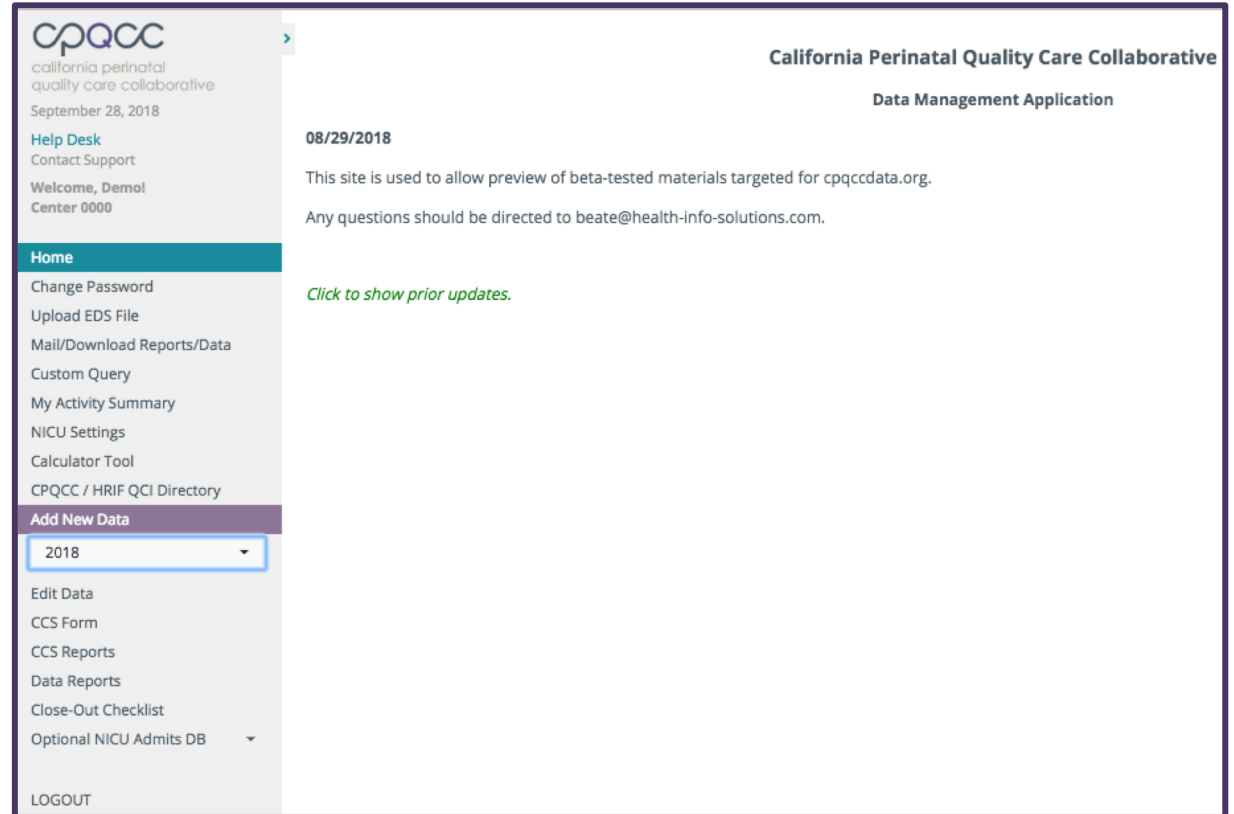


NICU Data Site

www.cpqccdata.org



The screenshot shows the CPQCC login page. At the top left is the CPQCC logo and the text "california perinatal quality care collaborative". Below this is the contact information: "email: support@cpqcc.org phone: 650-721-6540". At the top right, there is a navigation menu with links for "CPQCC Help Desk", "Main CPQCC Website", "CPQCC Reports", and "HRIF QCI". In the center, there are two input fields: "User ID" and "Password", with a "Login" button below them. A link for "Forgot Password?" is also present. At the bottom, there is a note: "To request access to the demo center, please click here to submit a ticket through the CPQCC Help Desk. This site is supported for MSIE Version 11, MS Edge, Firefox and Google Chrome. We recommend Firefox for the best user experience."



The screenshot shows the CPQCC Data Management Application dashboard. At the top left is the CPQCC logo and the text "california perinatal quality care collaborative". Below this is the date "September 28, 2018" and a "Help Desk" link. A navigation menu on the left includes links for "Home", "Change Password", "Upload EDS File", "Mail/Download Reports/Data", "Custom Query", "My Activity Summary", "NICU Settings", "Calculator Tool", "CPQCC / HRIF QCI Directory", "Add New Data", "Edit Data", "CCS Form", "CCS Reports", "Data Reports", "Close-Out Checklist", and "Optional NICU Admits DB". The "Add New Data" section is expanded, showing a dropdown menu with "2018" selected. At the top right, the text "California Perinatal Quality Care Collaborative" and "Data Management Application" is displayed. Below this, the date "08/29/2018" is shown, followed by a message: "This site is used to allow preview of beta-tested materials targeted for cpqccdata.org. Any questions should be directed to beate@health-info-solutions.com." A link "Click to show prior updates." is also present. At the bottom left, there is a "LOGOUT" link.

The NICU Data Site is used to:

- Enter and edit data
- Update the Contact Report Form
- Review the Close Out Check List

NICU Data Site

www.cpqccdata.org

Dear cpqccdata.org users:

The following updates were successfully installed:

- Based on user requests and to ensure that updated information on the Home screen is noticed by our users, we have implemented a start-up message feature. Once you have read the start-up message, you may bypass this message for future logons by checking the box next to *Do not show this message again*. We will reset the "message read" flag when a new message is posted.
- Based on user requests and after consultation with CPQCC neonatologists, we have revised the 2018 CPQCC A/D and DRD forms for the viral infection item, and the 2018 CPQCC A/D form for the late bacterial and viral infection items. It is now possible to select the option *Other* and enter a description for the pathogen. **Note that this option should only be used if the pathogen cannot be found on the list of pathogens.**
- The cpqccreport.org website was updated to reflect the close-out of birth year 2017. Several updates were installed, please logon to cpqccreport.org to review a list of updates.

Thank you,

CPQCC Support

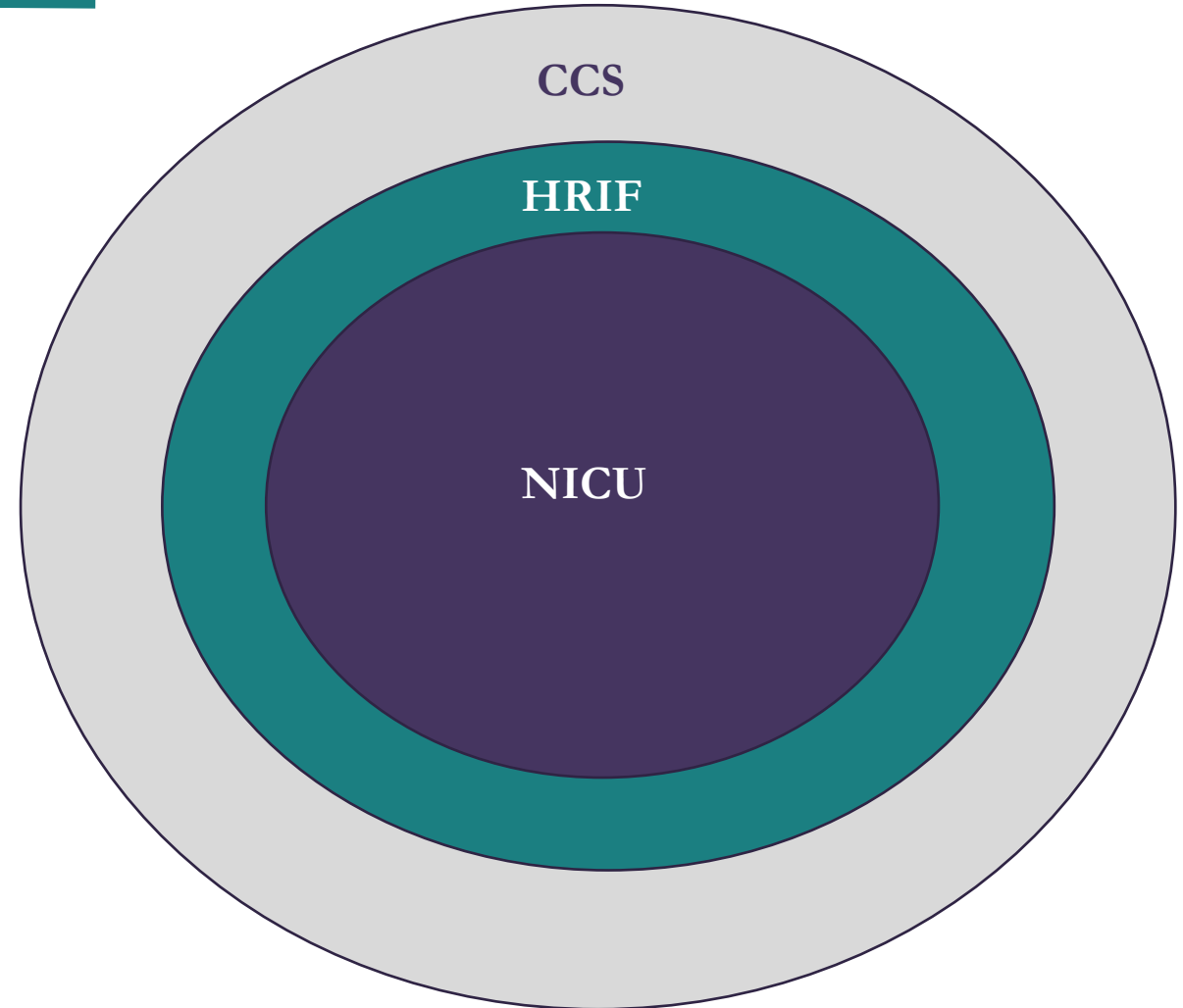
Last updated: 07/05/2018 at 10:45

Do not show this message again

Continue

NICU Database Eligibility

- Infants are **NICU** eligible if they are either:
 - VLBW or
 - Severe Acuity
- **ALL NICU** eligible infants meet CCS eligibility criteria
- But **NOT** all infants with CCS eligible conditions will be **NICU** eligible
- **NOTE:** HRIF eligibility will include NICU eligible infants **and** CCS eligible infants



Small Baby Eligibility

VLBW

- Any infant who is **born at your hospital:**
 - **birth weight 401 - 1,500 grams, OR**
 - **gestational age 22 weeks 0 days to 31 weeks 6 days (inclusive)**

- Any outborn infant who is **admitted to any location in your hospital within 28 days, and:**
 - **birth weight 401 - 1,500 grams, OR**
 - **gestational age 22 weeks 0 days to 31 weeks 6 days (inclusive)**

Regardless of where they receive care (NICU admission not required).

In summary, all Small Babies are eligible for entry into the NICU Database.

Big Baby

Severe Acuity

Any infant who is born at or admitted to your hospital within 28 days of birth, with a birth weight that is greater than 1500 grams MUST also meet one of the following 11 criteria to be legible:

1. Infant Death
2. **Acute transport in**
3. **Acute transport out**
4. Surgery
5. Intubated Assisted Ventilation for > 4 continuous hours
6. Nasal IMV/SIMV (or any other form of non-intubated assisted ventilation) for > 4 continuous hours
7. Early bacterial sepsis
8. Previously discharged home and readmitted to your hospital for exchange transfusion and/or bilirubinemia level ≥ 25 mg/dL
9. Suspected encephalopathy or suspected perinatal asphyxia
10. Active therapeutic hypothermia
11. **Seizures**

TRS Form



CPeTS Acute Inter-facility Transport: Was the infant transported to your NICU within 28 days of life, who requires medical, diagnostic, or surgical therapy that is not provided, or that cannot be efficiently provided due to temporary staffing /census issues, or due to insurance restrictions at the referring hospital?

Yes No

DRD Form



Did the infant die in the delivery room or any other location in your hospital within 12 hours of birth AND prior to NICU admission? (Infants who died in the delivery room with a birth weight of 400 grams or less should not be included unless their gestational age is 22 to 29 (prior to 2013) / 31 (2013 or later) completed weeks)

Yes No

Birth weight: ≥ 401 grams [VON Expanded DB Center] who was born or admitted at your hospital within 28 days of birth.

Yes No

Gestation: 22 weeks 0 days - < 30 weeks of gestation prior 2013 (29 weeks and 6 days should be checked as 'Yes') who was born or admitted at your hospital within 28 days of birth.
Gestation: 22 weeks 0 days - < 32 weeks of gestation 2013 or later (31 weeks and 6 days should be checked as 'Yes') who was born or admitted at your hospital within 28 days of birth.

Yes No

A/D Form



Does the infant meet at least one of the following criteria:

- 1. Infant Death, or
- 2. Surgery, or
- 3. Intubated Assisted Ventilation for > 4 continuous hours, or
- 4. Nasal IMV/SIMV (or any other form of non-intubated assisted ventilation) for > 4 continuous hours (2009 or later), or
- 5. Acute transport in, or
- 6. Acute transport out, or
- 7. Early bacterial sepsis, or
- 8. previously discharged home and readmitted to your hospital for exchange transfusion and/or bilirubinemia level ≥ 25 mg/dL AND birth weight > 1,500 grams who was born or admitted at your hospital within 28 days of birth (2007 or later), or
- 9. Suspected encephalopathy or suspected perinatal asphyxia (2013 or later), or
- 10. Active therapeutic hypothermia (2013 or later)

Yes No

Add 11. Seizures

The infant is eligible for the CPQCC database.

To start the process of submitting data on-line, check birth year of infant, enter infant ID, and retrieve the correct form. Note that you will only be able to continue if you check the birth year and enter a valid infant ID!

Birth Year: 2017 2018

Hospital No.:

Infant ID:

Last 3 IDs Entered: 1325 1324 1323

Add New Data

2018 CPQCC Admission/Discharge Form

Started by HIS
on 05/02/2018 @ 17:34.

Last update by HIS
on 08/22/2018 @ 09:21.

59:34

Center Number: 0000

Infant ID: 01300

Birth Year: 2018

DOB: 4-15-2018 BW: 3251 GA: 39/4 CPQCC Eligible Infant

- Minimum 5 variables to start a record
- 60:00 timer to remind user to save

Demographics Items 1-8	Maternal HX Items 9-18	DR Items 19-23	Respiratory Items 24-39	Infections Items 40-42	Other DX/PX Items 43-47	Neurological Items 48-51	Anom. / Bili Items 52-55	Disposition Items 56-60
---------------------------	---------------------------	-------------------	----------------------------	---------------------------	----------------------------	-----------------------------	-----------------------------	----------------------------

Demographics

1. Birth Weight grams
2. Head Circumference at Birth cm Unknown
3. Best estimate of gestational age a) Weeks b) Days:
4. Date/Time of Birth at Time Unknown
5. Infant Sex
6. Died in Delivery Room
7. a) Location of Birth
Note: For infants who were previously home, always check Outborn, even if the infant was born at your hospital or was born at the co-located hospital (for satellite NICUs only).
b) Age in Days at Admission to your NICU
c) Select hospital of birth for outborn infants
8. Hospital Admission History
Note: The Hyperbilirubinemia Items 53 to 55 are activated ONLY IF the infant Was Home after Birth (Item 8a).
a) Discharged Home after Birth?
b) NICU Re-Admission Status after PDH

Mark this record as deleted

IDs submitted by Center 0000 for Birth Year 2018 as of 2018-10-01 at 11:13

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

Show 30 entries CSV

...

Search:

ID	MM-DD	BW	GA	MLT	BTHLOC	REFLOC	XFRLOC	Last Updated	STTS	ELIG	FORM	TOOL	ERR	PND	UNK	FORM	ERR	PND	UNK
01300	04-15	3,251	39	S	HERE	na	na	2018-08-22 09:13	CMPLT	Y	A/D		0	0	1				
01301	04-13	4,309	38	S	HERE	na	na	2018-09-04 12:34	CMPLT	Y	A/D		0	0	0				
01302	03-04	3,389	33	S	HERE	na	na	2018-07-04 15:31	PND	Y	DRD		0	2	0				
01303	01-08	3,344	38	S	HERE	na	000001	2018-05-02 18:36	CMPLT	Y	A/D		0	0	0				
01304	03-04	1,084	26	2A	HERE	na		2018-05-02 18:36	PND	Y	A/D		0	61	0				
01305	01-12	3,654	40	S	000003		na	2018-05-02 18:36	CMPLT	Y	A/D		0	0	0	TRS	0	0	0
01306	01-23	1,874	30	S	000003		na	2018-05-02 18:36	CMPLT	Y	A/D		0	0	0	TRS	0	0	0
01307	01-12	2,709	35	S	HERE	na	000001	2018-09-04 12:31	SIH	Y	A/D		0	5	0				
01308	04-25	1,201	35	S	HERE	na	na	2018-05-02 18:36	PND	Y	A/D		0	1	0				
01309	01-08	2,454	33	S	HERE	na	na	2018-05-02 18:36	PND	Y	A/D		0	4	0				
01310	03-01	1,139	26	S	HERE	na		2018-05-02 18:36	PND	Y	A/D		0	84	0				
01311	01-02	1,271	30	S	HERE	na	na	2018-05-02 18:36	CMPLT	Y	A/D		0	0	2				
01312	03-23	4,364	41	S	HERE	na	000001	2018-05-02 18:36	SIH	Y	A/D		0	5	0				
01313	04-11	3,189	39	S	HERE	na	na	2018-05-02 18:36	CMPLT	Y	A/D		0	0	2				
01314	04-30	3,329	40	S	HERE	na	na	2018-05-02 18:36	PND	Y	A/D		0	1	0				
01315	04-30	2,819	36	S	HERE	na	na	2018-05-02 18:36	PND	Y	A/D		0	7	1				
01316	02-22	4,969	35	S	HERE	na	000001	2018-05-02 18:36	PND	Y	A/D		0	7	0				
01317	02-05	1,111	31	-	HERE	na	na	2018-05-02 18:36	PND	Y	A/D		0	127	0				
01318	03-21	2,224	34	S	HERE	na	na	2018-05-02 18:36	CMPLT	Y	A/D		0	0	0				
01319	04-20	3,439	41	S	HERE	na	na	2018-05-02 18:36	PND	Y	A/D		0	2	0				
01320	03-01	1,186	29	S	HERE	na	000001	2018-06-13 15:03	PND	Y	A/D		0	7	1				
01321	01-15	3,844	39	S	HERE	na	na	2018-05-02 18:36	CMPLT	Y	A/D		0	0	0				
01322	01-30	2,028	31	S	HERE	na		2018-05-02 18:36	PND	Y	A/D		0	37	2				
01323	04-04	4,774	40	-	000003			2018-05-02 18:36	PND	Y	A/D		0	139	0	TRS	0	0	0
01324	04-08	879	28	S	HERE	na		2018-05-02 18:36	PND	Y	A/D		0	33	0				
01325	03-04	2,000	36	-	HERE	na		2018-07-04 21:34	PND	E	A/D		0	148	0				

NICU Data Site

Electronic Data Submission (EDS)

- Enter data record by record, or send bulk upload in a .csv or Excel file (EDS)
- EDS files can be uploaded through the link on your navigation bar 'Upload EDS File'
- If you are interested in EDS submission please:
 - Review the EDS Instructions located on the main CPQCC website (www.cpqcc.org) under “NICU Data Resources”.
 - Submit a Help Ticket at www.cpqcchelp.org if you need additional help

Sending Reports/Data

E-Mail Reports/Data for Center 0000

What would you like to send?

- Most current error and warnings report
- Quarterly reports
- Center Master DB
- CCS Report
- Unknown Report
- Pending Report

For which birth year?

Quarterly report for which quarter?

- 1st Quarter
- 2nd Quarter
- 3rd Quarter
- 4th Quarter

Choose Data Format (for master DB to center only):

- Comma Separated ASCII File
- SAS File

Process Send Request

Process Download Request

Click to have the item selected sent to your e-mail address that is registered with CPQCC.

Data Download Request

The data requested can be downloaded to your computer using the link below. The data is in a ZIP archive that is protected with your cpqccdata.org login password.

[Click here to download your data in a password-protected ZIP archive](#)

All NICU Admissions Database

- **Optional tool** allows members to track **all of their NICU admissions** over the year
- 39 NICUs are currently using

ADVANTAGES

- Updated NICU admissions volume on the dashboard
- Allows use of all NICU admissions as denominator for Big Baby metrics
- Automatic population of several sections of the annual CCS Form
- Provides the ability to track infants who are not eligible for entry into the main NICU Database but affect a NICU's resource use (“Low Acuity Big Babies”)

All NICU Admissions Database

Add CPQCC Admissions

Optional All NICU Admissions Database for Infants Born in 2018

Upload NICU Admissions from CSV File

Show entries CSV New Edit Delete Search:

ID	DOB	TOB	BW	GA	Mult	Adm Type	Adm Dt	Adm Tm	Admit Notes	Birth Loc	Ref Loc	Ac Trs In	Disp	Dsch Dt	LOS	Trs Loc	Ac Trs Out	CPQCC ID	Updated
20180001	01-01-18	00:45	510	24/2	S	0	01-01-18	01:00					3	01-07-18	7			1000	06-27-18 14:13
20180007	01-01-18	05:49	4,090	41/1	S	4	01-05-18	06:07		SMCS		No	1	01-08-18	4				06-27-18 14:13
20180002	01-01-18	06:30	1,010	28/6	2A	0	01-02-18	06:47					2	01-08-18	7	Sutte...	No	1001	06-27-18 14:13
20180003	01-01-18	06:34	1,395	28/6	2B	0	01-02-18	06:50					2	01-08-18	7	Sutte...	No	1002	06-27-18 14:13
20180003.1	01-01-18	06:34	1,395	28/6	2B	130	01-20-18	12:52			Sutte...	Yes	1	06-15-18	147			1002	06-27-18 14:13
20180006	01-02-18	18:55	3,850	39/4	S	3	01-04-18	23:45		Rideo...	Sutte...	Yes	1	01-07-18	4			1005	06-27-18 14:13
1311	01-02-18	21:41	1,271	30/2	S	0	01-02-18						1	02-08-18	38			1311	06-27-18 14:13
20180005	01-03-18	08:09	1,199	31/3	2B	0	01-03-18	08:35					4	02-01-18	30			1004	06-27-18 14:13
20180005.1	01-03-18	08:09	1,199	31/3	2B	110	02-03-18	13:26					4	02-14-18	12			1004	06-27-18 14:13
20180004	01-03-18	08:10	1,510	31/3	2A	0	01-03-18	08:25					2	03-01-18	58		No	1003	06-27-18 14:13
20180012	01-04-18	03:02	3,502	36/5	S	14	01-07-18	21:15		SMCS		Yes	1	01-09-18	3				06-27-18 14:13
20180012.1	01-04-18	03:02	3,502	36/5	S	130	02-01-18	08:34		SMCS	Sutte...	Yes						1008	06-27-18 14:13

Allows population of all NICU admissions from the A/D database (with A/D records)

Create new entry

Demographics

Reference Number

Provide a reference number (integer) that identifies unique NICU admissions OR unique infants. Leave empty if you would like the system to assign the next available sequential reference number. If you are assigning reference numbers by infant, use the infant's reference number for the first stay and use the Re-Admission Counter to indicate the re-admission incidence. **Do not use the infant's MRN.**

Readmission Counter

If your reference number is unique for each infant admitted to your NICU, specify the re-admission incidence to identify unique NICU stays. In this case, date of birth, time of birth, birth weight, gestational age, multiple status and birth location are copied based on the infant's Reference Number. **Leave empty unless the infant was previously at your NICU.**

Date of Birth

The year of birth must be 2018.

Time of Birth

Birth Weight

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

Gestational Age (ww/d)

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

Multiple

CPQCC ID

Admission

Admission Date

Admission Time

Admission Type

Acute Admission

Check this box if the infant's admission was acute. Acute admissions include acute transports to the NICU, acute admissions from home or from another unit within the NICU's hospital.

Admission Notes

Cancel

Create

All NICU Admissions Database

Current: optional “admission notes” text field for dx, other info

New for 2019: optional “admission diagnoses” fields:

- Enter zero to three unranked admission diagnoses
- For each, choose from a list of 16 common dx, i.e transport for insurance or bed availability, and a text field for “other”

New for 2019: All NICU Admissions Overview report

- Small Babies (NICU Database eligible)
- Big Babies (NICU Database eligible)
- Lower Acuity Big Babies (non-NICU eligible)
- Most frequent admit dx and average LOS

CCS Supplemental Form

2018 CCS Supplemental Form

Last update by HIS
on 12/07/2017 @ 18:35.

59:28

CPQCC / VON Center Number: 0000

2018 CCS NICU Status: Regional

Section A Section B Section C Section D Section E Section F QI Prj 1

A. Hospital Births and Deaths of Infants Born in 2018 by Birth Weight

Infants Born Between 1/1/2018 and 12/31/2018	< 401 grams	401-500 grams	501-750 grams	751-1,000 grams	1,001-1500 grams	1,501-2500 grams	> 2500 grams	Total
Total Live Births by Birth Weight in your center from 1/1/2018 to 12/31/2018	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Should be ... compared to your CPQCC submissions	≥ 0	= 0	= 0	= 1	= 6	≥ 4	≥ 12	≥ 23
<i>Deaths for infants born in 2018 who either: 1) died while under the care of your NICU staff regardless of the location in your hospital (Non-Delivery Room Deaths), or 2) died in the delivery room or initial resuscitation area within 12 hours of birth and prior to NICU admission (Delivery Room Deaths). Also include infants not born in your hospital. Do NOT include stillborns.</i>								
Total Deaths of Infants Admitted to Your NICU (or under the care of your NICU staff regardless of the location in your hospital)	0	0	0	0	0	0	0	0
<i>This row will be updated based on your entries for the number of deaths prior and post 28 days.</i>								
NICU Deaths Prior to and Including the 28th Day of Life (*) (Not Stillborn, Non-Delivery Room Deaths)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Should be ... compared to your CPQCC submissions	≥ 0	= 0	= 0	= 0	= 0	= 0	= 1	≥ 1
Should be ... based on your All NICU Admits DB	= 0	= 0	= 1	= 0	= 0	= 0	= 1	= 2
NICU Deaths after the 28th Day of Life (**) (Not Stillborn, Non-Delivery Room Deaths)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	0
Should be ... compared to your CPQCC submissions	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
Should be ... based on your All NICU Admits DB	= 0	= 0	= 0	= 0	= 0	= 0	= 0	= 0
Delivery Room Deaths	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Should be ... compared to your CPQCC submissions	≥ 0	= 0	= 0	= 0	= 0	= 0	= 1	≥ 1
<p>* Note: Up to 27 days, 23 hours, and 59 minutes from birth. ** Note: From 28 Days, 0 hours since birth up to 1 year of age. Note: CCS counts by infant. If an infant was born in your center, you would count him/her in Table A. Then, if this infant was transported out, you would count him/her in Table C. And then, if this same infant was re-admitted to your hospital, you would count her/him a third time in Table B. So this one infant is counted 3 times on this form.</p>								

Check for Errors

Check Pending Items

Save Form

Populate Form with Values based on NICU Admit DB

Hide Values based on NICU Admit DB

- Vital statistics data from **CMQCC** now populates number of births at your hospital (or hosting location for satellite NICUs)
- Now possible to show the values based on the **All NICU Admit DB**
- Allows population of the CCS Supplemental Form with values based on the **All NICU Admit DB**

2019 NICU Database Updates

Big Baby Eligibility

CHANGE: The following changes have been made to the Big Baby eligibility criteria for inclusion the NICU Database:

- “Acute Transport” no longer includes staffing/census (“bed availability”) issues or insurance restrictions.
- Seizures has been added as an eligibility criterion.

Updated 2019 Definition - Acute Transport (CPeTS): An acute transport is movement of an infant from one in-patient setting to another in-patient setting for a higher level of care on or before Day 28 of life (i.e. medical, diagnostic, or surgical therapy that cannot be provided at the sending hospital.)

Added 2019 Definition – Seizures: Seizures are defined as compelling clinical evidence of seizures, or of focal or multifocal clonic or tonic seizures. Also check Yes if there is EEG evidence of seizures regardless of clinical status.

Big Baby Eligibility

Updated Big Baby Eligibility criteria for 2019:

1. Infant Death
2. **Acute transport in**
3. **Acute transport out**
4. Surgery
5. Intubated Assisted Ventilation for > 4 continuous hours
6. Nasal IMV/SIMV (or any other form of non-intubated assisted ventilation) for > 4 continuous hours
7. Early bacterial sepsis
8. Previously discharged home and readmitted to your hospital for exchange transfusion and/or bilirubinemia level ≥ 25 mg/dL
9. Suspected encephalopathy or suspected perinatal asphyxia
10. Active therapeutic hypothermia
11. **Seizures**

Transport Data Set (TRS)

Patient Diagnosis (tab 1, items C.1-C.2):

Item C.2. Indication for Transport [T_TRANSCODE]

CHANGE: The definition for **Acute Transport** now **excludes** staffing/census issues (sometimes referred to as “bed availability”) and insurance restrictions. These choices have been removed.

Updated CPeTS Definition: An acute transport is movement of an infant from one in-patient setting to another in-patient setting for a higher level of care on or before Day 28 of life (i.e. medical, diagnostic, or surgical therapy that is not provided.)

- Select **Medical services** if the infant was transported for medical problems that require acute resolution.
- Select **Surgery** if the infant was transported primarily for major invasive surgery (requiring general anesthesia or its equivalent).

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Demographics (tab 1, items 1-8):

Item 2. Head Circumference at Birth [BHEADCIR]

CHANGE: Added the option to indicate “not done” if the head circumference was not measured on the day of birth or the following day.

Updated Definition: If the head circumference was not recorded on the day of birth, record the first head circumference measurement taken on the following day. The head circumference entries allowed should be between 10.0cm and 70.0cm. If the head circumference was not measured on the day of birth or on the following day, check “*Not Done.*” Specify *Unknown* if this information cannot be obtained.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Maternal History and Delivery (tab 2, items 9-18):

Item 12. Group B Strep Positive [GROUPBSTREP]

CHANGE: Added “urine culture if performed” to the possible tests for Group B Streptococcus.

Updated Definition:

- **Select *Yes*** if either a maternal vaginal or anal **or urine culture** was positive for Group B Streptococcus (GBS).
- **Select *No*** if a maternal culture(s) for GBS was/were done (vaginal, anal **or urine culture**) and was/were negative for Group B Streptococcus (GBS).
- **Select *Not Done*** if a maternal culture for GBS (vaginal, anal **or urine culture**) was not performed. **Select *Unknown*** if this information cannot be obtained.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Delivery Room and First Hour after Birth (tab 3, items 19-23):

Item 19b. How long was umbilical cord clamping delayed?

CHANGE: Add options if delayed cord clamping was performed for 60-120 and >120 seconds

Updated Definition:

- **Select 30 to 60 seconds** if delayed umbilical cord clamping was performed for 30 to 60 seconds.
- **Select 60 to 120 seconds** if delayed umbilical cord clamping was performed for between 60 seconds and 120 seconds.
- **Select > 120 seconds** if delayed umbilical cord clamping was performed for more than 120 seconds.
- If 19a is No, then **Not Applicable will be automatically selected** and this item will be grayed out.
- **Select Unknown** if this information cannot be obtained.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Delivery Room and First Hour after Birth (tab 3, items 19-23):

Item 20. APGAR Scores [API, AP5, API0]

CHANGE: Added the option to indicate “not done” for any Apgar scores that were not collected.

Updated Definition: Enter the Apgar score at 1 minute and at 5 minutes as noted in the Labor and Delivery record, if available. Enter the 10-minute Apgar score, if available. Check *Not Done* for any score if that score was not done. Check *Unknown* for any score that is unknown.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Respiratory (tab 4, items 24-39):

Item 25. Respiratory Support After Initial Resuscitation

CHANGE: Added the option to indicate “None” on the online form.

Item 30. Pneumothorax [PNTX]

CHANGE: Updated to match VON’s definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated Definition: Select *Yes, here* if the infant had extra pleural air diagnosed by chest radiograph or needle aspiration (thoracentesis) at YOUR hospital prior to Initial Disposition, and/or at **YOUR hospital four (4) or more hours** following readmission after initial transport. This includes infants who had thoracic surgery and then later developed extra pleural air diagnosed by CXR or needle thoracentesis.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Respiratory (tab 4, items 24-39):

Item 34. Inhaled Nitric Oxide > 4 hours [NITRICO]

CHANGE: Updated to match VON's definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated 2019 Definition

Select *Yes Elsewhere* if infant received Inhaled Nitric Oxide (iNO) > 4 hours

- At another hospital before being admitted to your hospital, and/or
- At the hospital where the infant was initially transported, if the infant was initially transported and then readmitted to your hospital after initial transport.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Respiratory (tab 4, items 24-39):

Item 36b. CLD (chronic lung disease) [POSTERCLD]

CHANGE: Updated to match VON's definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated Definition: If postnatal systemic corticosteroids were given, check all indications for steroid treatment that applied.

Select *Yes*, here if steroids were administered to treat or prevent bronchopulmonary dysplasia (BPD) or chronic lung disease:

- at **YOUR hospital** prior to Initial Disposition, and/or
- at **YOUR hospital** following readmission after initial transport.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Respiratory (tab 4, items 24-39):

Item 38. Respiratory Support after 36 weeks

CHANGE: Added the option to indicate “None” on the online form.

Item 39. Respiratory Monitoring and Support Devices at Discharge

CHANGE: Added the option to indicate “None” on the online form.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Respiratory (tab 4, items 24-39):

Item 39a. Apnea/Cardio-Respiratory Monitor [ACFINAL]

CHANGE: Updated to match VON's definition, removing the following:

Answer "Yes" if arrangements were made to provide cardio-respiratory or apnea monitoring at home following discharge, even if the infant was not actually on the monitor at the time he/she left your hospital.

Updated Definition:

Select Yes if the infant was discharged home or transferred on an Apnea Monitor or Cardio-Respiratory Monitor.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Infections (tab 5, items 40-42):

**Item 40. Early Bacterial Sepsis and/or Meningitis on or Before Day 3 of Life [EBSEPS]
[EBSEPSCD 1-3]**

**Item 41a. Late Sepsis and/or Meningitis after Day 3 of life – Bacterial Pathogen
[LBPATH] [LBPATHCD 1-3]**

CHANGE: Updated to add choice “Other” (with “Other Description” [EBSEPSDESC] and [LBPATHDESC]) to the drop-down list of pathogen choices for both items. You can select up to three Bacterial Pathogen codes from Appendix C of the NICU Database Manual.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Infections (tab 5, items 40-42):

Updated Definition:

Select “Other” if a bacterial pathogen NOT from the listed bacterial pathogens is recovered from a blood and/or cerebrospinal fluid culture obtained on Day 1, 2 or 3 of life. Please review the list of bacterial pathogens falling under the CPQCC definition. If Other is chosen from the drop-down list, use the description field to specify the pathogen.

Select “Other” if a bacterial pathogen NOT from the listed bacterial pathogens is recovered from a blood and/or cerebrospinal fluid culture obtained after Day 3 of life. Please review the list of bacterial pathogens falling under the CPQCC definition. If Other is chosen from the drop-down list, use the description field to specify the pathogen.



Bacterial Infection Pathogens List

101	Achromobacter species [including <i>A. xylosoxidans</i> (also known as <i>Alcaligenes xylosoxidans</i>) and others]
102	Acinetobacter species including multidrug-resistant <i>Acinetobacter</i>
103	<i>Aeromonas</i> species
104	<i>Alcaligenes</i> species [<i>A. xylosoxidans</i> and others]
201	<i>Bacteroides</i> species
202	<i>Burkholderia</i> species [<i>B. capecica</i> and others]
301	<i>Campylobacter</i> species [<i>C. fetus</i> , <i>C. jejuni</i> and others] including drug-resistant <i>Campylobacter</i>
302	<i>Chryseobacterium</i> species
303	<i>Citrobacter</i> species [<i>C. diversus</i> , <i>C. freundii</i> , <i>C. koseri</i> and others]
304	<i>Clostridium</i> species
501	<i>Enterobacter</i> species [<i>E. aerogenes</i> , <i>E. cloacae</i> , and others] including Carbapenem-resistant <i>Enterobacter</i>
502	<i>Enterococcus</i> species [<i>E. faecalis</i> (also known as <i>Streptococcus faecalis</i>), <i>E. faecium</i> , and others] including Vancomycin-resistant <i>Enterococcus</i>
503	<i>Escherichia coli</i> including Carbapenem-resistant <i>Escherichia coli</i>
601	<i>Flavobacterium</i> species
801	<i>Haemophilus</i> species [<i>H. influenzae</i> and others]
1101	<i>Klebsiella</i> species [<i>K. oxytoca</i> , <i>K. pneumoniae</i> and others] including Carbapenem-resistant <i>Klebsiella</i> and Cephalosporin-resistant <i>Klebsiella</i>
1201	<i>Listeria monocytogenes</i>
1301	<i>Moraxella</i> species [<i>M. catarrhalis</i> (also known as <i>Branhamella catarrhalis</i>) and others]
1302	<i>Morganella morganii</i>
1401	<i>Neisseria</i> species [<i>N. meningitidis</i> , <i>N. gonorrhoeae</i> and others] including drug-resistant <i>N. gonorrhoeae</i>

1601	Pantoea"
1602	Pasteurella species
1603	Prevotella species
1604	Proteus species [P. mirabilis, P. vulgaris and others]
1605	Providencia species [P. rettgeri and others]
1606	Pseudomonas species [P. aeruginosa and others] including multidrugresistant Pseudomonas aeruginosa
1801	Ralstonia species
1901	Salmonella species including drug-resistant Salmonella serotype Typhi
1902	Serratia species [S. liquefaciens, S. marcescens and others]
1903	Staphylococcus coagulase positive [aureus] including Methicillinresistant Staphylococcus aureus and Vancomycin-resistant Staphylococcus aureus
1904	Stenotrophomonas maltophilia
1905	Group B Streptococcus or GBS [also known as Streptococcus agalactiae]
1906	Streptococcus anginosus [formerly Streptococcus milleri]
1907	Streptococcus pneumoniae
1908	Streptococcus pyogenes [Group A Streptococcus]
8888	Other

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Infections (tab 5, items 40-42):

Item 4 Ia. Late Bacterial Sepsis and/or Meningitis [LBPATH] [LBPATHCDI-3]

CHANGE: Updated to match VON's definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated Definition: Select **"Yes, Here"** if a bacterial pathogen from the list of bacterial pathogens was recovered from a blood and/or cerebrospinal fluid culture obtained after day 3 of life:

- At your hospital prior to initial disposition, and/or
- At your hospital **four (4) or more hours** following readmission after initial transport

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Infections (tab 5, items 40-42):

Item 4Ib. Coagulase Negative Staph [CNEGSTAPH]

CHANGE: Updated to match VON's definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated Definition:

Select **"Yes, Here"** if coagulase negative staph occurred:

- At your hospital prior to initial disposition, and/or
- At your hospital **four (4) or more hours** following readmission after initial transport

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Infections (tab 5, items 40-42):

Item 41c. Fungal [FUNGAL]

CHANGE: Updated to match VON's definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated Definition:

Select **"Yes, Here"** if a fungus was recovered from a blood culture obtained from either a central line or peripheral blood sample and/or was recovered from cerebrospinal fluid obtained by lumbar puncture, ventricular tap or ventricular drain after Day 3 of life

- At your hospital prior to initial disposition, and/or
- At your hospital **four (4) or more hours** following readmission after initial transport

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Infections (tab 5, items 40-42):

Item 44b. Necrotizing Enterocolitis [NEC]

CHANGE: Updated to match VON's definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated Definition:

Select **"Yes, Here"** if NEC was diagnosed:

- At your hospital prior to initial disposition and/or
- At your hospital **four (4) or more hours** following readmission after initial transport.

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Infections (tab 5, items 40-42):

Item 45. Focal Intestinal Perforation [GIPERF]

CHANGE: Updated to match VON's definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated Definition:

Select **"Yes, Here"** if Focal Gastrointestinal Perforation occurred

- At your hospital prior to initial disposition, and/or
- At your hospital **four (4) or more hours** following readmission after initial transport

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Neurological (tab 7, items 48-51)

Item 48c. If Periventricular – Intraventricular Hemorrhage, PIH (Grades 1 to 4) where first occurred [PIHHEMLOC]

CHANGE: Updated to match VON’s definition, to specify timing of the outcome in relation to when the infant was admitted or readmitted to the hospital.

Updated 2019 Definition:

Select **“Yes and First Here”** if PIH (grades 1 to 4 as defined above) first occurred at:

- at your hospital prior to initial disposition, or
- at your hospital **four (4) or more hours** following readmission after initial transport

NICU ADMISSION DISCHARGE (A/D) & DELIVERY ROOM DEATH (DRD) FORM

Disposition (tab 9, items 56-60)

Item 59. Head Circumference at Initial Disposition [HEADCIRC]

CHANGE: Definition updated to include “*Not Done*” and head circumference measured *up to 7 days prior to discharge*.

Updated Definition: Enter the head circumference as recorded in the chart or clinical flow sheets on the Date of Initial Disposition (Item W8 on the Patient Identification Worksheet). If the head circumference is not recorded on the Date of Initial Disposition, record the most recent head circumference measured **up to 7 days prior to discharge**.

NICU Data Resources

www.cpqcc.org



Search this site...

- About
- NICU**
- Analysis
- Improvement
- Follow-Up
- Engage

- NICU Data
- NICU Reports
- NICU Data Resources**
- Committee Oversight

NICU Data Resources

The resources below are designed to assist NICU Data Contacts in abstracting and entering data into the NICU Database as efficiently and effectively as possible. They are organized by birth year. If you have a question regarding any of these resources, please submit a ticket through our [Help Desk](#).

Resources for entering data into the HRIF Reporting System can be found on the [Data Resources](#) page under Follow-up.

2018 Birth Year

- [Mandated Changes](#)
- [Item Numbers Crosswalk](#)

Data Finalization

- [Sample Close-Out Checklist](#) (**NOTE:** This is just a sample. Each center's checklist must be filled out and submitted electronically through the [NICU Data site](#)).
- [Still-In-Hospital \(SIH\) Table](#)
- [EDS Instructions and Specifications](#)
- [EDS Excel File](#)
- [EDS Skeleton CVS File](#)

Manual of Definitions

- [Manual](#)
- [Manual Appendices](#)