Quarterly CPQCC Data Training Webinar #1 :

Using the CPQCC Reports to Evaluate Your NICU's Quality of Care By Dr. Jeffrey Gould MD, MPH

### September 21, 2016 1:00pm-3:00pm



A CANCENTER 191

california perinatal quality care collaborative California Perinatal Quality Care Collaborative (CPQCC) Established 1997

### Jeffrey B. Gould, MD, MPH

Principal Investigator, CPQCC/CMQCC Director, Perinatal Epidemiology and Health Outcomes Research Unit Division of Neonatal and Developmental Medicine Stanford University School of Medicine





## QUALITY IMPROVEMENT: THE CHALLENGE

# **DATA** *E-Collect High-Quality, Reliable Data*

### **INFORMATION**

Provide Risk-Adjusted, Confidential, Real Time Reports That Inform and Organize Work

### ACTION

Support Perinatal Providers In Their Work Of Improving Perinatal Care and Outcomes



Goal: to demonstrate how to use <u>www.cpqccreport.org</u> to identify and track improvement opportunities



e-mail: support@cpqcc.org phone: 650-721-1844

quality care collaborative

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CPQCC Help Desk Main CPQCC Website CPQCC Data HRIF QCI

User ID:							
Password:							
Forgot Password							

Login

To request access to the demo center, please please click here to submit a ticket through the CPQCC Help Desk.





## california perinatal

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Welcome, Demo! NICU User

#### Select Display ... Introduction ✓ NICU Snapshot CCS Report HRIF/CPQCC Match Summary HRIF/CPQCC Match Status Report Quality Indicators Eligibility Table Detail Table Detail Table Standardized Table / Chart Unadjusted Trend Chart Transport In Transport Out

My Activity and Trending Topics

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

california perinatal quality care collaborative September 20, 2016 Contact Support Help Desk	02/26/2016 Revisio
Welcome, Demo! NICU User Make your selections	
Select Display ✓ Introduction NICU Snapshot CCS Report HRIF/CPQCC Match Summary HRIF/CPQCC Match Status Report Quality Indicators Eligibility Table Detail Table Standardized Table / Chart Unadjusted Trend Chart Transport In Transport Out	
Change password for DEMOuser Show Session History Show Parorites CMQCC Maternal Data Center	

#### CPQCC Reports Home Updates and Fixes

#### Revision to the HRIF/CPQCC Match Status Report

Based on your feedback, we have made a few modifications to the HRIF/CPQCC Match Status Report (formerly HRIF Infant Status Report) that is available on cpqccreport.org and on cpqccdata.org.

- 1. We have changed the wording from "Not Registered with HRIF" to "Unlinked CPQCC Record". This is a more appropriate nomenclature since an infant might very well be registered with HRIF, but does not match to a CPQCC infant due to differences in the details submitted to HRIF and CPQCC.
- We have added more information to the report. Previously, HRIF records pertaining to infants discharged home from the reporting center were not included in the report. These infants are now included, and they are shown as "Unlinked HRIF Record" in the HRIF Eligibility based on 5 Criteria / Match Status column.

The addition of unlinked HRIF records to the report needs to be used with care, and it is important to fully understand the group of HRIF registrations that might not be linked to a CPQCC record. As you know the eligibility criteria for CPQCC and HRIF are not identical. The CPQCC/HRIF linkage focuses on the following groups of infants that are eligible for both, CPQCC and HRIF:

- Extremely Low Birth Weight Infants (ELBW) or infants with a birth weight of ≤ 1,000 grams who are admitted to the reporting NICU at age 28 days or earlier.
- Very Low Birth Weight Infants (VLBW) or infants with a birth weight of ≤ 1,500 grams who are admitted to the reporting NICU at age 28 days or earlier.
- Infants born at less than 28 weeks completed gestation who are admitted to the reporting NICU at age 28 days or earlier.
- · Infants born at 29 to less than 32 weeks completed gestation who are admitted to the reporting NICU at age 28 days or earlier.
- Infants born at 36 weeks completed gestation or later and who received a diagnosis of moderate or severe HIE during their NICU stay who were admitted to the reporting NICU at age 28 days or earlier.
- · Infants who experienced active cooling during their NICU stay and who were admitted to the reporting NICU at age 28 days or earlier.
- Infants with ECMO during their NICU stay and who were admitted to the reporting NICU at age 28 days or earlier.

Obviously an infant might meet other HRIF eligibility criteria, but not be eligible for CPQCC; and vice versa, an infant might meet other CPQCC eligibility criteria, but not be eligible for HRIF.

Unlinked CPQCC records listed with an HRIF eligibility criterion different from "-" pertain to infants who meet one of the criteria listed above. In other words, based on the CPQCC record, one of these criteria can be validated for these records, and these CPQCC infants should **always** match to an HRIF registration. All **Unlinked CPQCC** records listed with an HRIF eligibility criterion of "-" might include CPQCC eligible infants who are not HRIF eligible.

Unlinked HRIF records pertain to all unlinked HRIF infant registrations that do not match to a CPQCC record. However, with the exception of the group of VLBW infants and infants born at <32 weeks completed gestation, we do not know whether the infant actually qualified for CPQCC. Therefore, the revised match report might include unlinked HRIF records that will never link to a CPQCC record. To help you focus on those HRIF records that should link, we have highlighted records pertaining to VLBW infants or infants born at <32 weeks completed gestation in red as in Unlinked HRIF record.

The revised HRIF/CPQCC Match Status Report might be helpful for:

#### Identifying unlinked CPQCC infants that should be registered with HRIF

Set the filter to Unlinked CPQCC record, HRIF Eligible due to VLBW, GA, HIE, ECMO or Cooling. Only those CPQCC records are shown that have to be linked to an HRIF record to meet the CPQCC close-out requirement of 100% HRIF registration of eligible infants.

#### Identifying unlinked HRIF records

Set the filter to Unlinked HRIF record. Only those HRIF records are shown that are not matched to a CPQCC record. Note that not all these records have to be matched to a CPQCC record. In fact, some of these infants might not be part of the CPQCC data collection (admitted after 28 days; HRIF eligible, but not CPQCC eligible)





california perinatal quality care collaborative September 19, 2016 Contact Support Help Desk		All CPQCC NICU Admissions 401 to 1,500 grams or 22 to 29 weeks of Gestation by Eligibility Criteria (N=51) Comparison Group: All CPQCC NICUs This report is final. California Perinatal Quality Care Collaborative (CPQCC) DEMO CENTER, 2015										
Welcome, Demo! NICU User Make your selections		Eligibility Criterion	N Infants	% Infants	Infant Days							
Demo Center Eligibility	<b>v</b>	BW 401-1,500gr or GA 22-29wks	51	100.0%	2,592							
401-1500 BW or 22-29 GA	۲	Assisted ∨ent > 4 Hrs	24	47.1%	1,568							
		NIMV > 4 Hrs	15	29.4%	1,043							
		Acute Transport-In	14	27.5%	800							
Additional Options:		Surgery at reporting NICU	9	17.6%	702							
All CPQCC Centers												
Inborn and Outborn Infants	•	NICU Death	5 🛌	9.8%	205 🛧							
2015	*	Acute Transport-Out	3	5.9%	191 🖟							
LOGOUT		Early Sepsis	0	0.0%	0							
My Activity and Trending Topics			0 10 20 30 40 50 60 70 80	0 20 40 60 80	100 0 2000 4000 6000							







September 19, 2016 Contact Support Help Desk

Welcome, Demo! NICU User

Make your selections

Demo Center	
Eligibility	
>1500 BW	

Additional Options:
All CPQCC Centers
Inborn, Outborn and PDH Inf

2015

LOGOUT

My Activity and Trending Topics

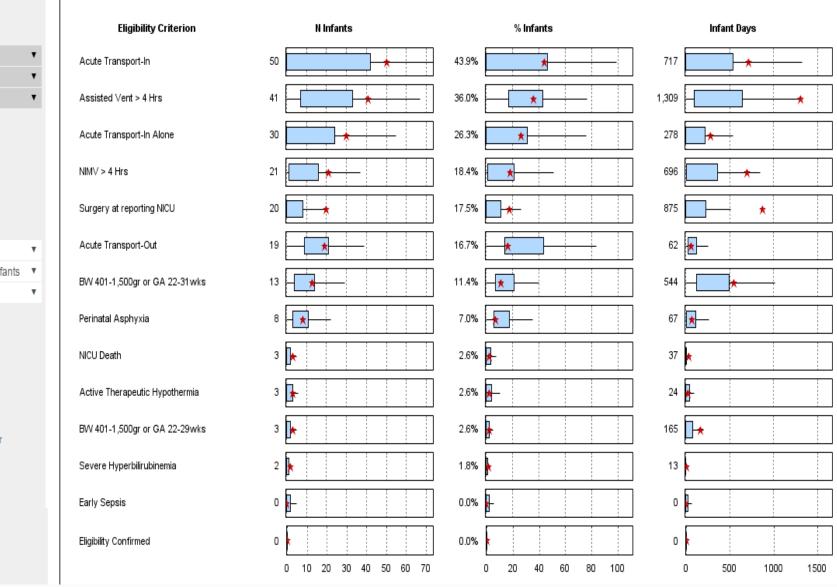
Change password for DEMOuser Show Session History Show Favorites CMQCC Maternal Data Center All CPQCC NICU Admissions over 1,500 grams by Eligibility Criteria (N=114)

Comparison Group: All CPQCC NICUs

This report is final.

California Perinatal Quality Care Collaborative (CPQCC)

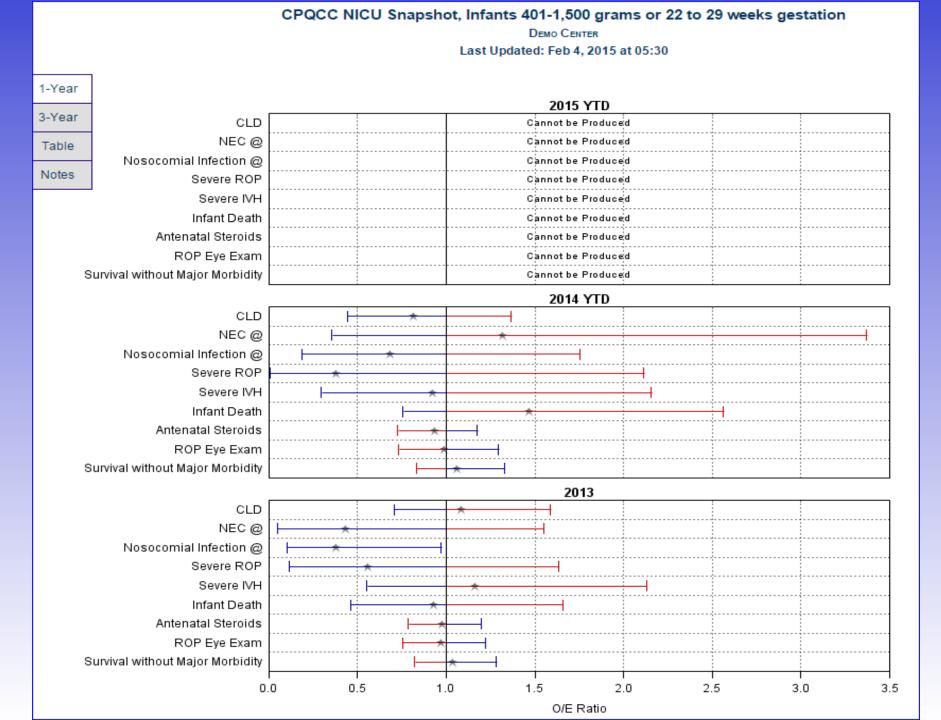
DEMO CENTER, 2015

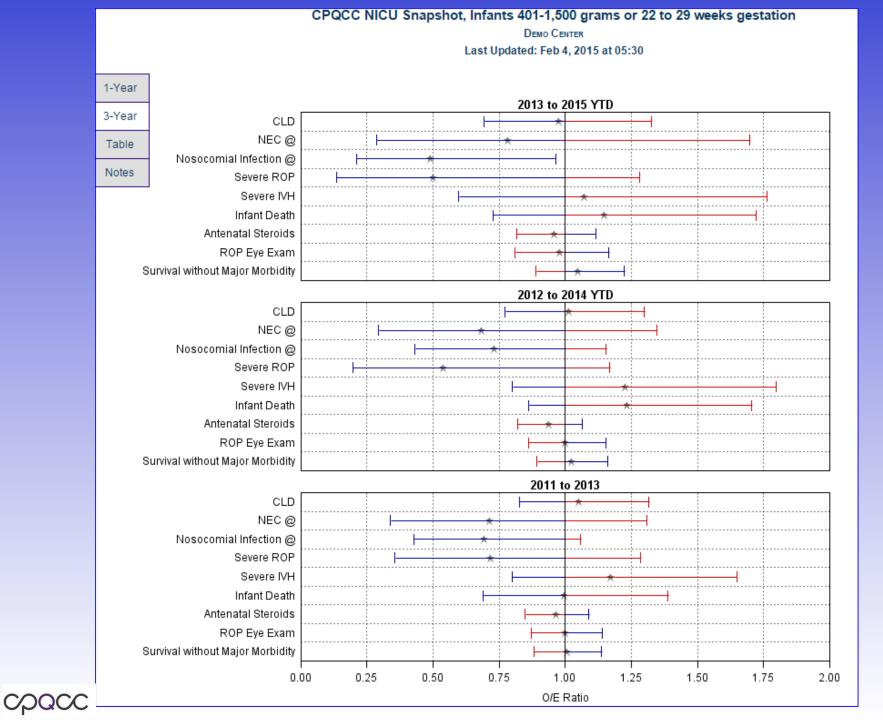


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r quality care collaborative	CABCC	CPQCC Reports Home
September 20, 2016	california perinatal auality care collaborative	Updates and Fixes
Contact Support	September 20, 2016	02/26/2016
Help Desk	Contact Support Help Desk	
Welcome, Demo!	Welcome, Demo!	Revision to the HRIF/CPQCC Match Status Report Based on your feedback, we have made a few modifications to the HRIF/CPQCC Match Status Report (formerly HRIF Infant Status Report) that is available on
NICU User	NICU User	cpqccreport.org and on cpqccdata.org.
Make your selections	Make your selections Select Display	1. We have changed the wording from "Not Registered with HRIF" to "Unlinked CPQCC Record". This is a more appropriate nomenclature since an infant might very well
	✓ Introduction	be registered with HRIF, but does not match to a CPQCC infant due to differences in the details submitted to HRIF and CPQCC. 2. We have added more information to the report. Previously, HRIF records pertaining to infants discharged home from the reporting center were not included in the
Select Display	NICU Snapshot CCS Report	report. These infants are now included, and they are shown as "Unlinked HRIF Record" in the HRIF Eligibility based on 5 Criteria / Match Status column.
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NICU Snapshot 🤄	Quality Indicators	As you know the eligibility criteria for CPQCC and HRIF are not identical. The CPQCC/HRIF linkage focuses on the following groups of infants that are
CCS Report	Eligibility	eligible for both, CPQCC and HRIF:
HRIF/CPQCC Match Summary	Table Detail Table	<ul> <li>Extremely Low Birth Weight Infants (ELBW) or infants with a birth weight of ≤ 1,000 grams who are admitted to the reporting NICU at age 28 days or earlier.</li> <li>Very Low Birth Weight Infants (VLBW) or infants with a birth weight of ≤ 1,500 grams who are admitted to the reporting NICU at age 28 days or earlier.</li> </ul>
HRIF/CPQCC Match Status Report	Standardized Table / Chart	<ul> <li>Infants born at less than 28 weeks completed gestation who are admitted to the reporting NICU at age 28 days or earlier.</li> </ul>
Quality Indicators	Unadjusted Trend Chart Transport In	<ul> <li>Infants born at 29 to less than 32 weeks completed gestation who are admitted to the reporting NICU at age 28 days or earlier.</li> </ul>
Eligibility	Transport Out	<ul> <li>Infants born at 36 weeks completed gestation or later and who received a diagnosis of moderate or severe HIE during their NICU stay who were admitted to the reporting NICU at age 28 days or earlier.</li> </ul>
Table		Infants who experienced active cooling during their NICU stay and who were admitted to the reporting NICU at age 28 days or earlier.
Detail Table	My Activity and Trending Topics	<ul> <li>Infants with ECMO during their NICU stay and who were admitted to the reporting NICU at age 28 days or earlier.</li> </ul>
	Change password for DEMOuser	Obviously an infant might meet other HRIF eligibility criteria, but not be eligible for CPQCC; and vice versa, an infant might meet other CPQCC eligibility criteria, but not be
Standardized Table / Chart	Show Session History Show Favorites	eligible for HRIF. Unlinked CPQCC records listed with an HRIF eligibility criterion different from "-" pertain to infants who meet one of the criteria listed above. In other words, based on
Unadjusted Trend Chart	CMQCC Maternal Data Center	the CPQCC record, one of these criteria can be validated for these records, and these CPQCC infants should always match to an HRIF registration. All Unlinked CPQCC
Transport In		records listed with an HRIF eligibility criterion of "-" might include CPQCC eligible infants who are not HRIF eligible. Unlinked HRIF records pertain to all unlinked HRIF infant registrations that do not match to a CPQCC record. However, with the exception of the group of VLBW infants and
Transport Out		infants born at <32 weeks completed gestation, we do not know whether the infant actually qualified for CPQCC. Therefore, the revised match report might include unlinked
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My Ashiriby and Transfer Tables		The revised HRIF/CPQCC Match Status Report might be helpful for:
My Activity and Trending Topics		Identifying unlinked CPQCC infants that should be registered with HRIF
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Change password for DEMOuser		HRIF record to meet the CPQCC close-out requirement of 100% HRIF registration of eligible infants. Identifying unlinked HRIF records
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Show Favorites CMQCC Maternal Data Center		matched to a CPQCC record. In fact, some of these infants might not be part of the CPQCC data collection (admitted after 28 days; HRIF eligibile, but not CPQCC eligible) eligible)
Civico Matemai Data Center		











#### CPQCC NICU Snapshot, Infants 401-1,500 grams or 22 to 29 weeks gestation DEMO CENTER Last Updated: Feb 4, 2015 at 05:30

#### CPQCC NICU Snapshot Detailed Notes and Background

The CPQCC NICU Snapshot includes 9 areas of quality improvement (QI) that were identified by the CPQCC Perinatal Quality Improvement Panel (PQIP) as key QI target areas. For all QI areas, the NICU Snapshot population consists of all infants with a birth weight of 401 to 1,500 grams or a gestational age of 22 to 29 completed weeks. With the exception of antenatal steroids, all NICU Snapshot measures exclude infants who died in the delivery room. Each QI area might define exclusions from the NICU Snapshot population as outlined below.

#### Chronic Lung Disease (CLD)

An infant is considered to have CLD if

- it was on either continuous or intermittent oxygen on the date of week 36 adjusted gestational age, or
- discharged home or transferred out and never re-admitted at 34 or 35 weeks adjusted gestational age and on oxygen at time of discharge.

2

If an infant is discharged prior to 34 weeks adjusted gestational age and not on oxygen at time of discharge, this infant is included in the at risk (denominator) population.

If an infant is discharged prior to 34 weeks adjusted gestational age and on oxygen at time of discharge, this infant is neither included in the at risk (denominator) population nor is it counted as an event (numerator).

If information on gestational age in weeks and days or oxygen status on the date of week 36 adjusted gestational age and oxygen at discharge are not reported, the infant is excluded from the numerator and denominator.

This CLD outcome is risk-adjusted for gestational age at birth, small for gestational age (SGA), no prenatal care, mortality risk associated with any congenital anomaly reported, multiple birth, 5-minute Apgar score, maternal ethnicity, maternal race, infant sex and inborn/outborn location of birth, and NICU CCS level. The risk-adjustment model is based on the most recent 3 years of closed-out data. Click here to view model details in a new window.

#### Necrotizing Enterocolitis (NEC)

An infant is considered to have NEC if NEC was diagnosed at surgery, diagnosed at postmortem examination, or diagnosed clinically and radiographically based on the following criteria:

- 1. One or more of the following clinical signs present:
  - Bilious gastric aspirate or emesis;
  - Abdominal distension;
  - Occult or gross blood in stool with no apparent rectal fissure.

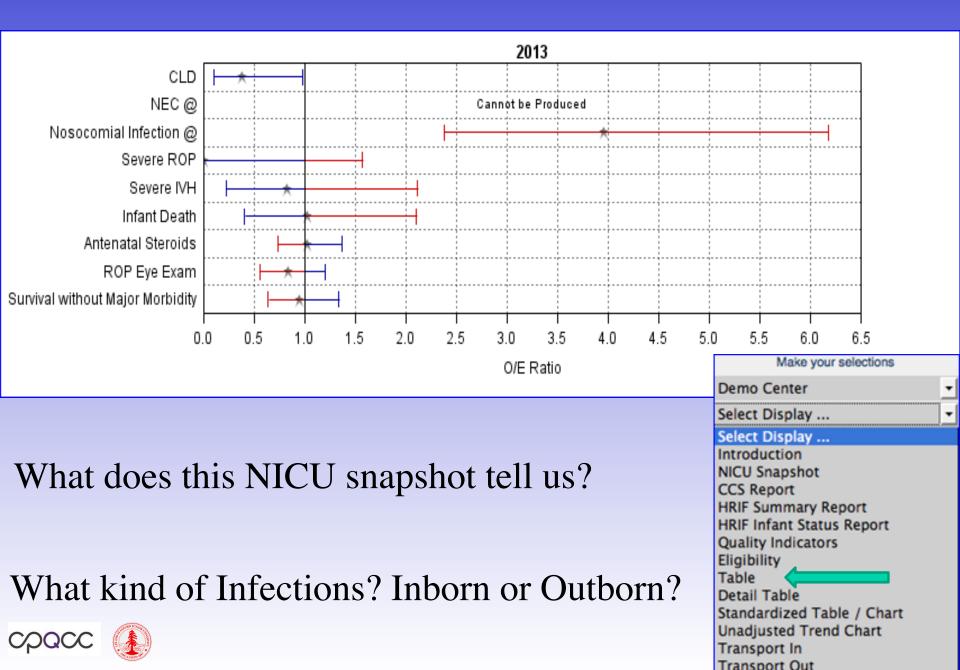
AND

- 2. One or more of the following radiographic findings present:
  - Pneumatosis intestinalis;
  - Hepato-biliary gas;
  - Pneumoperitoneum.

For the NICU Snapshot, only infants who were diagnosed with NEC at the reporting NICU are included as an NEC event in the numerator. If information on NEC is not reported, an infant is excluded from the numerator and denominator.

The NEC outcome is risk-adjusted for gestational age at birth, small for gestational age (SGA), no prenatal care, mortality risk associated with any congenital anomaly reported, multiple birth, 5-minute Apgar score, maternal ethnicity, maternal race, infant sex and inborn/outborn location of

1-Year 3-Year Table Notes



#### INFECTIONS, 2013

All CPQCC Infants born between 01/01/2013 and 12/31/2013

This report is final.

California Perinatal Quality Care Collaborative (CPQCC)

							74
		Center			CPQCC	Contro Notwork	
	 	(N = 171)		(	N Centers = 13 % Lower	% Upper	Center-Network Comparison
	Table			•	Quartile	Quartile	companison
Infections		CC Babies		•			
Early - Bacterial Pathogen					0.0	3.4	H
GBS	Infectior	IS		•	0.0	1.0	•
E. Coli					0.0	1.0	•
Other					0.0	1.3	۱.
Late - Bacterial Pathogen					0.0	3.9	H•
GBS					0.0	0.2	+
E. Coli					0.0	0.7	•
Other	1				0.0	2.9	H•
Coag Neg Staph	1	Additional (	Options:		0.0	2.5	H•
Fungal		CC Centers		•	0.0	0.0	+
Nosocomial					1.4	5.9	Н•
Late Infections at this Center	Inborn,	Outborn and	PDH Inf	ants 🔻			
Late - Bacterial Pathogen	2013			•	0.0	3.8	H•
GBS					0.0	0.0	•
E. Coli	1	0.6	0.0	0.0	0.0	0.6	•
Other	10	6.1	1.7	1.4	0.0	2.7	H•
Coag Neg Staph	15	9.1	4.2	0.6	0.0	2.1	H •
Fungal	2	1.2	3.4	0.0	0.0	0.0	•
Nosocomial	22	13.3	6.8	3.3	0.0	5.6	Н•
Notes:							





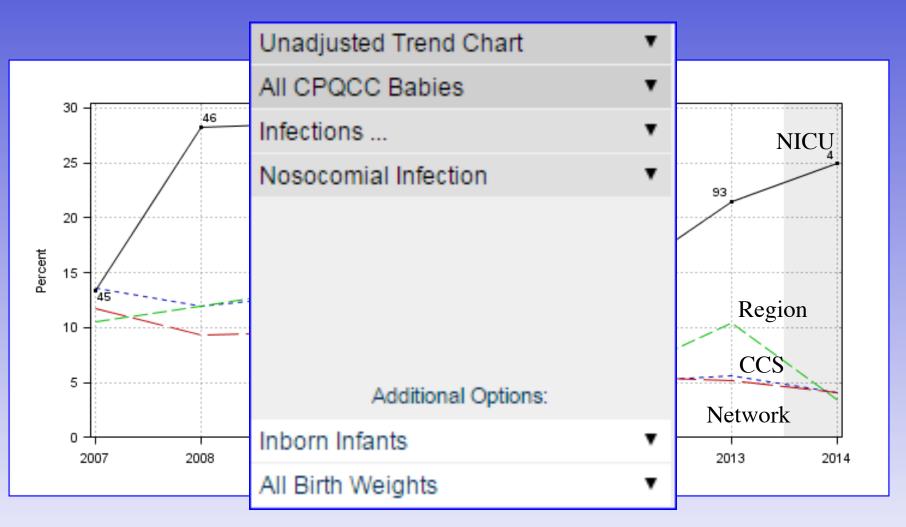
### Nosocomial Infection: What About Only Our Inborns? Did We Just Have A Bad Year?

		Center (N = 98) Table				(N	Center-Network		
	Т					edian	% Lower Quartile	% Upper Quartile	Comparison
nfections	A	II CPQCC	Babies		۲				
Early - Bacterial Pathogen	In	fections			•	2.3	0.0	4.1	H
GBS						0.0	0.0	1.3	•
E. Coli						0.0	0.0	1.2	+
Other						0.0	0.0	1.6	*
Late - Bacterial Pathogen						2.6	0.0	4.5	Н•
GBS						0.0	0.0	0.0	+
E. Coli						0.0	0.0	0.7	+
Other						1.6	0.0	3.2	H •
Coag Neg Staph		A	dditional Opti	ons:		1.2	0.0	2.8	Н •
Fungal	A	II CPQCC	Centers		•	0.0	0.0	0.0	Þ
Nosocomial	In	born Infan	te		•	4.3	0.9	6.0	н•
ate Infections at this Center			10		-				
Late - Bacterial Pathogen	2	013			۲	2.5	0.0	4.5	Н•
GBS		1	1.1	0.0		0.0	0.0	0.0	•
E. Coli		1	1.1	0.0		0.0	0.0	0.7	•
Other		9	9.7	3.7		1.5	0.0	3.2	H •
Coag Neg Staph		14	15.1	9.3		0.9	0.0	2.7	н •
Fungal		2	2.2	7.4		0.0	0.0	0.0	Þ
Nosocomial		20	21.5	14.8		4.0	0.0	6.0	н•





### **Nosocomial Infection**

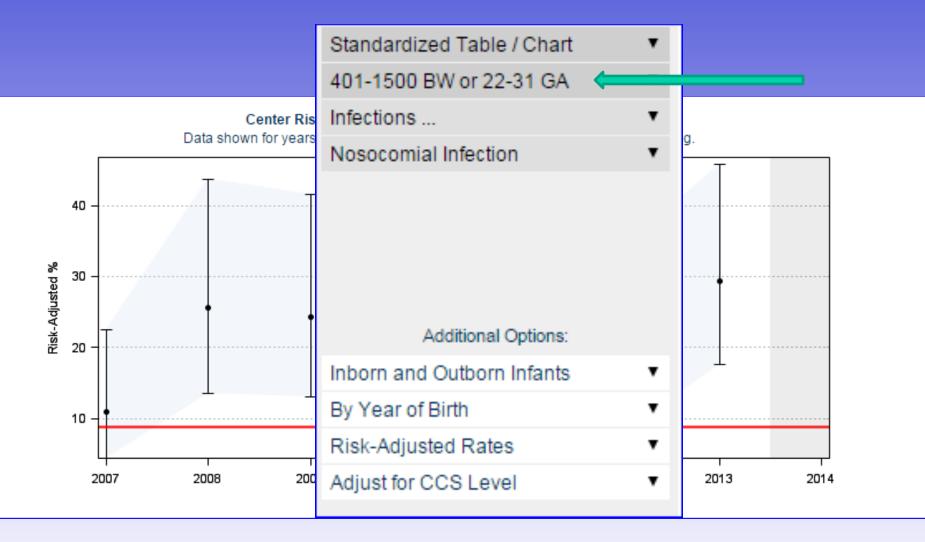


### **But Our Admits Are Sicker!**





### **Nosocomial Infection**

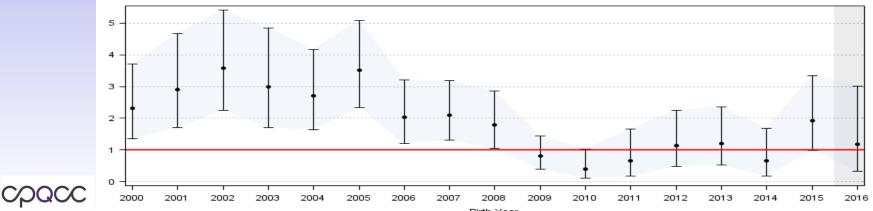


### Well Just How Challenged Are We?

CACC

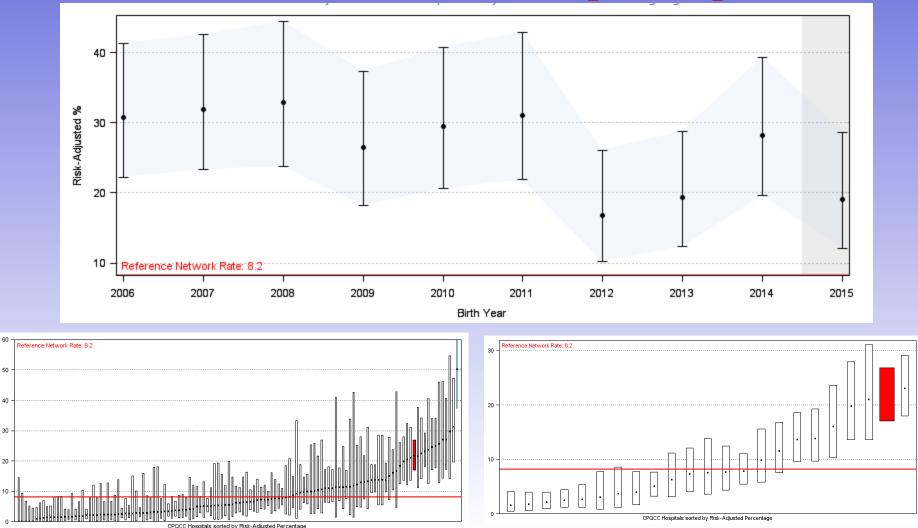


	Conton	Diele	Conton	Center Infants with Known Outcome							
Birth Year	Center Infants Known	-	Center Infants n Unknown Outcome	Evente	Observed %	Expected %	O/E Ratio	Limits	nfidence for O/E itio		
	Outcome	0364	Outcome					Lower	Upper		
2000	113	0	2	17	15.0	6.5	2.31	1.35	3.70		
2001	82	0	12	17	20.7	7.1	2.91	1.70	4.67		
2002	82	0	15	22	26.8	7.5	3.58	2.24	5.41		
2003	75	0	11	16	21.3	7.2	2.98	1.71	4.85		
2004	90	0	13	20	22.2	8.2	2.70	1.65	4.17		
2005	91	2	11	28	30.8	8.8	3.51	2.33	5.08		
2006	95	0	17	18	18.9	9.3	2.03	1.20	3.20		
2007	113	0	11	22	19.5	9.3	2.10	1.32	3.19		
2008	126	0	1	17	13.5	7.5	1.79	1.04	2.87		
2009	121	0	0	11	9.1	11.2	0.81	0.40	1.45		
2010	114	0	0	4	3.5	8.7	0.40	0.11	1.03		
2011	100	1	0	4	4.0	6.2	0.65	0.18	1.66		
2012	86	0	0	8	9.3	8.2	1.14	0.49	2.25		
2013	87	0	1	8	9.2	7.7	1.20	0.52	2.36		
2014	86	0	0	4	4.7	7.1	0.65	0.18	1.68		
2015	93	0	0	12	12.9	6.7	1.92	0.99	3.35		



## Standardized Table Risk adjusted time trends

**Overall and Level Specific position** 



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Risk-

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Welcome, Demo! NICU User

#### Select Display ...

Introduction ✓ NICU Snapshot CCS Report HRIF/CPQCC Match Summary HRIF/CPQCC Match Status Report Quality Indicators Eligibility Table Detail Table Standardized Table / Chart Unadjusted Trend Chart Transport In Transport Out

My Activity and Trending Topics

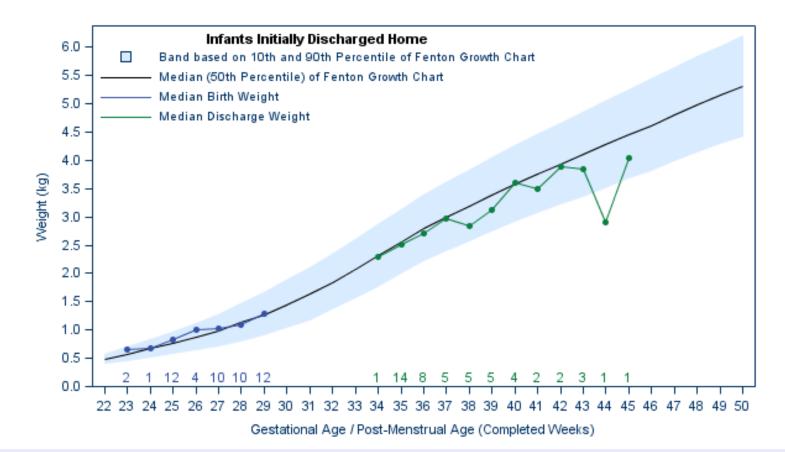
Change password for DEMOuser Show Session History Show Favorites CMQCC Maternal Data Center

# What Can We Learn From The CCS Report?



### CCS REPORT, Topic I

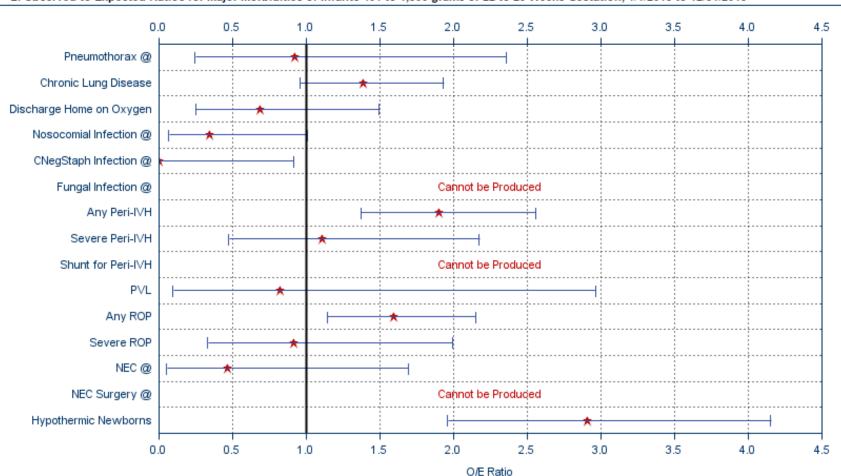
#### I. Growth Trajectories for Infants 22 to 29 Weeks Admitted to NICU, 1/1/2013 to 12/31/2013



CADCC



### CCS REPORT, Table L for Hospital "X"



#### L. Observed to Expected Ratios for Major Morbidities of Infants 401 to 1,500 grams or 22 to 29 Weeks Gestation, 1/1/2013 to 12/31/2013





## Back to CPQCC Tables

#### OTHER DIAGNOSES, 2013

All CPQCC Infants born between 01/01/2013 and 12/31/2013

This report is final.

California Perinatal Quality Care Collaborative (CPQCC)

		Center (N = 229)		(N	CPQCC Centers = 1	31)	Center-Network
	N	%	Last Year %	% Median	% Lower Quartile	% Upper Quartile	Comparison
Body Temperature at NICU admission							
< 36°C (Hypothermic)	41	20.2	28.1	2.8	0.6	7.4	н•
36-36.4°C (Cold Stressed)	44	21.7	18.0	16.1	11.1	21.7	⊢•
> 36.4°C	118	58.1	53.9	82.1	70.9	87.5	• 🛏
Total	203	100.0	100.0				
Patent Ductus Arteriosus							
PDA (VON 2011 def)	6	2.6	1.7	3.2	0.0	9.1	H-
PDA (expanded def)	30	13.1	8.4	19.4	11.8	25.5	►
Indomethacin	2	6.7	13.3	20.8	0.0	45.8	
Ibuprofen	0	-	100.0				
PDA Ligation	9	30.0	20.0	3.0	0.0	14.3	<b>н</b> •
Necrotizing Enterocolitis							
Necrotizing Enterocolitis	3	1.3	0.6	1.3	0.0	2.5	H
Necrotizing Enterocolitis at this Center	3	1.3	0.6	1.1	0.0	2.2	*
NEC Surgery	1	33.3	0.0	0.0	0.0	58.3	<b>⊢</b> −−−1
Gastro Intestinal							
Focal GI Perforation	4	1.7	4.0	0.3	0.0	1.7	*
Focal GI Perforation at this Center	3	1.3	2.3	0.3	0.0	1.4	*

Notoo



#### Table 1: Quality Indicator Metrics Compared to All CPQCC Centers Not Controlling for CCS Level, 2013

QI Metric	N	Observed %	Expected %	O/E Ratio	95% Confidence Limits for O/E Ratio		
					Lower	Upper	
Antenatal Steroids for Inborn Infants 24/0 to 33/6 wks Gestation	67	92.5	88.2	1.0	0.8	1.3	
Postnatal Steroids for CLD	24	54.2	24.6	2.2	1.2	3.8	
Nosocomial Infections	67	11.9	13.4	0.9	0.4	1.8	
Human Milk Nutrition for Infants Discharged Home	69	63.8	67.3	0.9	0.7	1.3	

#### Table 2: Quality Indicator Metrics Controlling for CCS Level, 2013

QI Metric	N	Observed %	Expected %	O/E Ratio	95% Confidence Limits for O/E Ratio		
					Lower	Upper	
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Postnatal Steroids for CLD	24	54.2	24.2	2.2	1.2	3.8	
Nosocomial Infections	67	11.9	13.5	0.9	0.4	1.7	
Human Milk Nutrition for Infants Discharged Home	69	63.8	64.4	1.0	0.7	1.3	

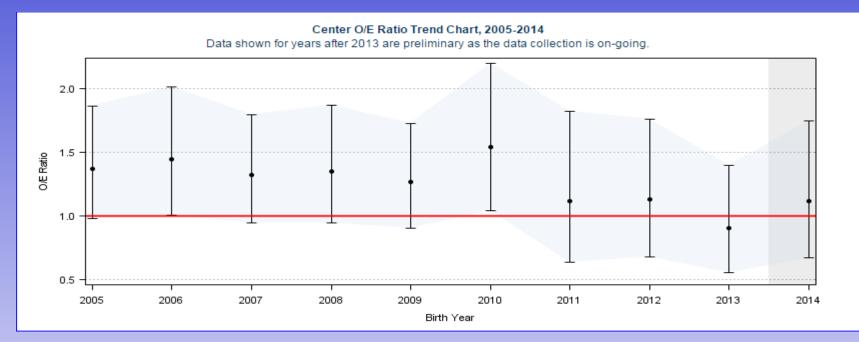
#### Table 3: Quality Indicator Metrics 3-Year Aggregate Controlling for CCS Level, 2011-2013

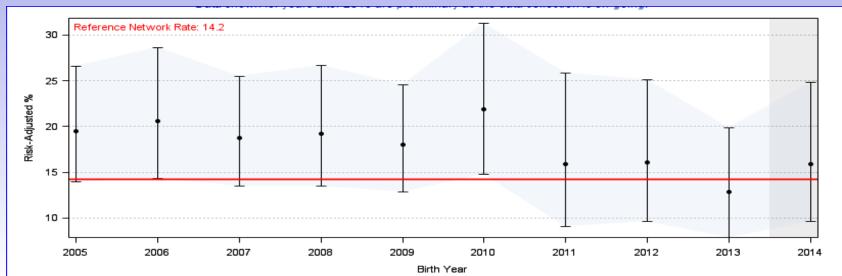
QI Matric	N	Observed %	Expected %	O/E Ratio	95% Confidence Limits for O/E Ratio	
					Lower	Upper
Antenatal Steroids for Inborn Infants 24/0 to 33/6 wks Gestation	184	91.3	91.5	1.0	0.9	1.2
Postnatal Steroids for CLD	59	37.3	21.7	1.7	1.1	2.6
Nosocomial Infections	178	8.4	11.7	0.7	0.4	1.2
Human Milk Nutrition for Infants Discharged Home	198	66.2	64.2	1.0	0.9	1.2

							1
	Center (N = 85)		CPQCC (N Centers = 130)			Center-Network	
	N	%	Last Year %	% Median	% Lower Quartile	% Upper Quartile	Comparison
Diagnoses							

Diagnoses								
Respiratory Distress Syndrome							82.9	⊢•⊣
Meconium Aspiration Syndrome	Table					•	0.0	+
Pneumothorax							6.2	H
Pneumothorax at this Center	401-1	401-1500 BW or 22-29 GA					5.6	H
CLD - VON Def 1	401-1	401-1500 BW 0122-29 GA *					35.2	<b>⊢</b>  ●
CLD - VON Def 2	_						28.6	<b>⊢</b>
CLD - VON Def 3	Respi	iratory				•	30.0	<b>⊢</b> →•
Interventions								
Use of Ventilation							68.3	⊢-►
Oxygen							100.0	+
CPAP							89.7	<b>⊢</b> →
Conventional Ventilation							100.0	H
HiFi Ventilation							50.5	· ↓ ●
ECMO							0.0	+
Inhaled Nitric Oxide							4.0	н•
Inhaled Nitric Oxide at this Center							3.9	н•
Surfactant at any Time							64.5	<b>⊢</b> •I
Time to Surfactant: ≤ 15 minut							32.5	⊢
Time to Surfactant: >15 - ≤ 30							20.5	<b>⊢</b> •I
Time to Surfactant: >30 - ≤ 60							21.7	⊢.
Time to Surfactant: >60 - ≤ 120							27.0	•—
Time to Surfactant: >120 minu		Additional Options:					50.0	⊢-•-
Time to Surfactant: Total				-				
Supplemental Oxygen on Day 28		All CPQCC Centers					58.6	⊢•1
Supplemental Oxygen at 36 Wks	All OI	All CFQCC Centers •					35.2	⊢ ●
Non-Oxygen Respiratory Support AGA	Inhor	Inborn and Outborn Infants				•	0.0	I•
Postnatal Steroids	110011	r anna i c	Junoonn	in the first	,		17.9	⊢
Chronic Lung Disease (CLD)	0040					_	75.0	<b>⊢</b>
CLD at this Center	2013					•	73.9	++
Extubation	_	4	20.0	52.0	39.2	14.3	51.0	H <b></b>
Blood Pressure		7	35.0	47.4	46.4	25.0	66.7	⊢∙───┤
Other Reason		7	35.0	31.6	0.0	0.0	20.0	<b>⊢</b> •
Steroids for CLD - VON Def 1		13	54.2	21.1	14.3	0.0	33.3	<b>⊢</b> → •
Steroids for CLD - VON Def 2		13	54.2	21.1	13.3	0.0	33.3	⊢ •
Steroids for CLD - VON Def 3		13	54.2	21.1	14.8	0.0	33.3	⊢i •
Outcomes								
Discharged Home		69	81.2	82.1	73.6	65.3	82.5	⊢•
on Oxygen		14	20.3	9.4	4.2	0.0	10.2	н•

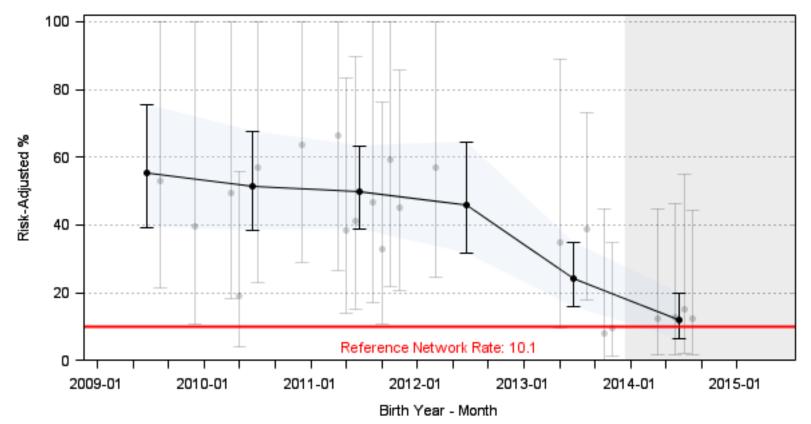
### Topic Use The Standardized Table/Chart to Track Your Progress Example: Postnatal Steroids For CLD as O/E or as Rates





## Hypothermia, <37 Degrees C

Center Risk-Adjusted Percentages Trend Chart by Month and Year of Discharge, 2009-2015 Data shown for years after 2013 are preliminary as the data collection is on-going.







## CPQCC

california perinatal quality care collaborative

February 10, 2018 Contact Support Help Desk

### Welcome, Jeff! CPQCC Administrator

### Make your selections

Demo Center
Detail Table
401-1500 BW or 22-29 GA
Other
Hypothermia

### Hypothermic Newborns (Body temperature under 36 °C)

All Infants 401 to 1,500 grams or 22 to 29 completed weeks of gestation, 01/01/2006 to 02/10/2016

Comparison Group: CPQCC Network

This report is final for years 2014 and earlier, and preliminary for years 2015 and later as the data collection is on-going.

California Perinatal Quality Care Collaborative (CPQCC)

DEMO CENTER



	Center			CPQCC Network		
	N	Total	%	N	Total	%
Total for 2006 through 2014						
251-500 grams	4	7	57.1	346	884	39.1
501-750 grams	17	82	20.7	2,290	8,581	26.7
751-1,000 grams	17	99	17.2	1,830	11,844	15.5
1,001-1,250 grams	14	103	13.6	1,526	13,090	11.7
1,251-1,500 grams	21	130	16.2	1,765	16,454	10.7
1,501-1,750 grams	0	8	0.0	93	1,177	7.9
1,751-2,000 grams	0	1	0.0	14	143	9.8
2 001-2 250 grams	0	1	0.0	3	31	Q 7

## QUALITY IMPROVEMENT: THE CHALLENGE

# **DATA** *E-Collect High-Quality, Reliable Data*

### **INFORMATION**

Provide Risk-Adjusted, Confidential, Real Time Reports That Inform and Organize Work

### ACTION

Support Perinatal Providers In Their Work Of Improving Perinatal Care and Outcomes



# The CPQCC report allows comparison with similar Ca NICUs to identify and track improvement opportunities

CPQCC california perinatal quality care collaborative	stode reports reports reports reports
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# To request access to your center's CPQCC reports, please submit a request through the CPQCC Help Desk at www.cpqccsupport.org.

🟫 Support Center H	lome 📄 Knowledgebase 🛛 🔒 O	pen a New Ticket	Tickets (5)	
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Please fill in the form below	w to open a new ticket.			
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Ticket Details Please Describe Your Issu Issue Summary: Issue Details:	✓ — Select — Data Entry/Report Questions Data Finalization/Close Out Check list	·		
<> ¶ B I	Data Review/Phone Appointment Data Trainings	) III 🛛 🖛	- 1	Î
Details on the reason(s)	Eligibility Questions General Inquiry/Feedback Membership (Invoices) New Members/Name Change System Tools/Resources Technical Support Transfer Record/Duplicates Records User Access/Password Reset VON Files Website Problem/Issues			



- **Q.** Real time is babies that are discharged or we enter information before discharge?
- A. Ideally real time data is data entered as soon as the baby has been discharged home. However you can enter data before discharge.
- **Q.** Will this talk be available on line later?
- A. Yes, for those who missed the webinar and would like to watch previous webinars, CPQCC will send out the recorded webinars and presentations to the membership. You can also find the recorded webinars at www.cpqcc.org.
- **Q.** Can we talk about the relevance of HRIF data reporting?
- A. HRIF reporting will be covered in the CPQCC Quarterly Data Training Webinar #3: The Value of the High-Risk Infant Follow-up Program, presented by Dr. Susan Hintz. Please go to www.cpqcc.org to register for this webinar.