



# Birth Certificate Initiative (BCI)

**July 26<sup>th</sup>, 2018**

Partnering to Improve Health Care Quality  
for Mothers and Babies

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# Agenda

- Welcome
- Initiative Overview
- Learning Tools
- Birth Certificate Variables
- Data Entry Methods
- E-Vitals Report Demonstration
- Audit Process
- BCI Data Reporting
- Understanding Your Hospital Report
- Training
- Important Dates
- Upcoming Webinars
- Questions



# BCI Overview

# BCI Purpose

To improve the accuracy of 23 key birth certificate variables to 95% to support public health and quality improvement efforts



# Birth Certificate Initiative (BCI)

## BCI's purpose is accomplished through partnerships:

- Primarily driven by Florida delivery hospitals and providers
  - Total 20 participating hospitals
- Jointly sponsored by the Florida Department of Health (FDOH)
- Also supported by other FPQC partnering organizations



# Hospital Partnerships

- BayCare-Morton Plant Hospital
- Bayfront Health
- Holmes Regional Medical Center
- Jackson South Community Hospital
- Jupiter Medical Center
- Lee Health Cape Coral Hospital
- Mease Countryside Hospital
- Memorial Regional Hospital
- Mercy Hospital
- Mount Sinai Medical Center
- Palmetto General Hospital
- Parrish Medical Center
- Sarasota Memorial Healthcare System
- St. Joseph's Hospital North
- St. Joseph's Hospital South
- Tallahassee Memorial Hospital
- Tampa General Hospital
- UF Health Jacksonville
- Winnie Palmer Hospital
- Winter Haven Women's Hospital

# Partnerships



Ken Jones  
Gary Sammet  
Anna Goold  
Karen Freeman  
Marie Bailey  
Angela Thompson  
Sarah Beard



Chinyere Reid  
William Sappenfield  
Linda Detman  
Estefania Rubio  
Renice Obure

# Birth Certificate Data

## Electronic Birth Certificate

- Collects over 300 pieces of information on Florida's mothers and babies
- Information used by local, state, and national partners
- Consistent source of health information on ALL Florida babies and new mothers

## Importance of BC accuracy

- Foundation for surveillance, monitoring, public health practice, policy and research in maternal and infant health at a community, state & national level
- Reflects your hospital's performance and adherence to best practices in perinatal care



# Your Work is Important!

*“Your birth certificate reporting plants the seeds of future health care improvements for mothers and babies.”*

Dr. John Curran, Former Deputy Secretary, Florida Department of Health



*“Accurate birth certificate data is essential to health monitoring so that we can improve the care of mothers and babies in Florida.”*

Dr. Karen Harris, Chair, FL Dist., American Congress of Obstetricians & Gynecologists

*“March of Dimes uses birth certificates to identify areas with high rates of preterm births in order to support communities in their prevention efforts.”*

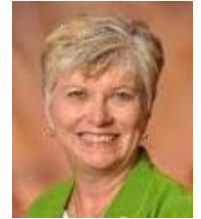
Lori Reeves, March of Dimes



# Your Work is Important!

*“The birth certificate tells the story of a single baby in the community as part of the larger stories of babies in the whole community and ultimately Florida’s story.”*

Nancy Travis, Cape Coral Hospital



*“Birth certificates are key to having the information needed to drive community change to improve the health of mothers and babies.”*

Carol Brady, Healthy Start

*“Quality Birth Data is critical as it is utilized for health statistics and research to assist in monitoring health programs and policies to improve the health of Floridians.”*

Ken Jones, State Registrar, Florida Department of Health

# BCI Goals

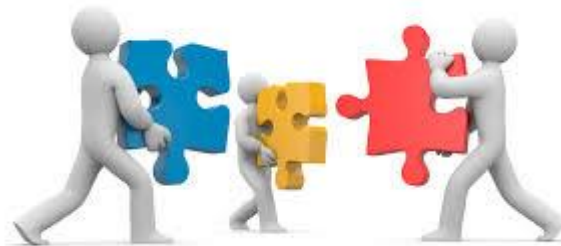
- To improve birth certificate accuracy on prioritized key birth certificate variables in Florida hospitals to 95% accuracy
- To develop useful online resources that are available for sustained birth certificate data training for new hospital staff.



# BCI Approach

## Webinars, Training and QI process

- Monthly training webinars and shared learning
- Archived Webinars
- Learning tools to support training efforts
- Hospital consultation and technical assistance as needed



# BCI Approach

## Data Reporting

- Auditing 10 hospital records monthly starting August 2018
- Internal hospital reviewer of audit
- Baseline data collected for June and July 2018 births
- Auditing, data collection and reporting processes will be covered in this webinar
- Timely monthly hospital data accuracy/QI reports
  - To see how well your hospital is doing
  - To see how well your hospital is doing compared to other hospitals

## Hospital Feedback

- Project design, tools and initiative support

# What are hospitals going to do?

## Every Month

- Review the most recent BCI hospital report
- Identify and work on at least one issue to improve
- Audit 10 birth certificates directly using hospital records
- Report monthly data by 20<sup>th</sup> of the following month
- Participate in the BCI webinar that month when offered

# What are hospitals going to do?

## August and September 2018

- Baseline Data: Audit 10 birth certificates each for June and July 2018 births
- August 2018 Data: Audit 10 birth certificates in early September
- Submit:
  - Baseline data by **August 20<sup>th</sup>**
  - August data by **September 20<sup>th</sup>**

# What are hospitals going to get from it?

- Monthly BCI hospital reports
- BCI QI materials and tools
- FPQC consultation & assistance when requested
- Improved reporting data accuracy on 23 key birth certificate variables  $\geq 95\%$
- More accurate hospital QI indicator reports
- Better birth certificate data to improve the health of mothers and babies



# Comments? Questions?



# Learning Tools

Version: 05/28/2018

## BCI GUIDE

### COMPLETING 23 KEY VARIABLES IN THE FLORIDA BIRTH CERTIFICATE

Data that is accurate and complete is of great importance to improve the health of mothers and babies. Although all the information collected in the birth certificate is significant, there are 23 key variables that have been identified as essential to supporting Florida's efforts for healthier mothers and babies. By reporting quality data, you help improve perinatal health.

Acknowledgment: Thanks to the Ohio and Illinois Perinatal Quality Collaboratives, the Ohio Department of Health and the Illinois Department of Public Health for their assistance and permitting us to adapt their materials based on their state initiatives.



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QUALITY FOR MOTHERS AND BABIES



# Guide

| DEFINITION                         | ITEM #   | TIPS FOR ENTRY  |
|------------------------------------|----------|---|
| <b>1. Birth weight</b>             |          |   |
| The weight of the infant at birth. | Item # 4 | Enter the weight of the infant in grams. If weight in grams is not available, enter the birth weight in pounds and ounces. Please do not convert. <b>This is the infant's weight at delivery, NOT at discharge.</b> |

# Instruction Manual



| Definition                         | ITEM #   | TIPS FOR ENTRY   | KEYWORDS AND ABBREVIATIONS  | NSCHS RECOMMENDED SOURCE  |
|------------------------------------|----------|--|---|---|
| <b>1. Birth weight</b>             |          |  |   |   |
| The weight of the infant at birth. | Item # 4 | Enter the weight of the infant in grams. If weight in grams is not available, enter the birth weight in pounds and ounces. Please do not convert. This is the infant's weight at delivery, NOT at discharge. | BW–Birthweight<br>Gms–Grams<br>g-grams<br>kg-Kilograms<br>Lbs-Pounds<br>oz-Ounces | 1 <sup>st</sup> Delivery record <i>under</i> :<br>- Infant data |

## BCI INSTRUCTION MANUAL

Completing the facility worksheet for 23 key variables for the Florida birth certificate



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Version: 05/25/2018

# Key Birth Certificate Variables

# Key Variable Grid

| SECTION                              | ITEM   | SUBITEM  | SOURCES  |   |
|--------------------------------------|--|--|--|---|
| Child                                | Birth Weight                                     |  | 1 <sup>st</sup> Delivery Record  |   |
|                                      | First Prenatal Visit                             |  | 1 <sup>st</sup> Prenatal Record  |   |
| Pregnancy History                    | Number of Prenatal Visits                        |  | 1 <sup>st</sup> Prenatal Record  |   |
|                                      | Prepregnancy weight                              |  | 1 <sup>st</sup> Prenatal record<br>2 <sup>nd</sup> Physician/nurse admission note  |   |
|                                      | Weight at delivery                               |  | 1 <sup>st</sup> L&D nursing admission triage form<br>2 <sup>nd</sup> Admission H&P   |   |
|                                      | Risk Factors in this Pregnancy                   | Prepregnancy diabetes  |  | 1 <sup>st</sup> Prenatal care record<br>2 <sup>nd</sup> L&D nursing admission triage form<br>3 <sup>rd</sup> Admission H&P<br>4 <sup>th</sup> Delivery record |
| Gestational diabetes                 |  |  |  |   |
| Prepregnancy or chronic hypertension |  |  |  |   |
| Gestational hypertension             |  |  |  |   |
| Hypertension-eclampsia               |  |  |  |   |
| Medical and Health Information       | Previous preterm birth                           |  | 1 <sup>st</sup> Prenatal care record<br>2 <sup>nd</sup> L&D nursing admission triage form  |   |
|                                      |  |  |  |   |
|                                      | Characteristics of Labor and Delivery            | Induction of labor   |  | 1 <sup>st</sup> Delivery record<br>2 <sup>nd</sup> Physician progress note;<br>3 <sup>rd</sup> L&D nursing admission triage form                              |
|                                      |  | Augmentation of labor  |  | 1 <sup>st</sup> Delivery record<br>2 <sup>nd</sup> Physician progress note  |
|                                      |  | Antenatal corticosteroids                                    |  | 1 <sup>st</sup> Delivery record<br>2 <sup>nd</sup> Maternal medication record<br>3 <sup>rd</sup> Newborn admission H&P  |
|                                      |  | Antibiotics received by the mother during labor              |  | 4 <sup>th</sup> Maternal physician order sheet<br>5 <sup>th</sup> Prenatal care records   |
|                                      | Method of delivery                               | Fetal presentation at birth                                  |  | 1 <sup>st</sup> Delivery record<br>2 <sup>nd</sup> Newborn Admission H&P  |
|                                      |  | Final route and method of delivery-Cesarean                  |  | 3 <sup>rd</sup> Recovery room record  |
|                                      | Newborn  | Obstetric Estimate of Gestation                              |  | 1 <sup>st</sup> OB admission H&P  |
|                                      |  | APGAR score  |  | 1 <sup>st</sup> Delivery record   |
| Breastfeeding at discharge           |  |  | 1 <sup>st</sup> L&D summary record<br>2 <sup>nd</sup> Maternal progress note<br>3 <sup>rd</sup> Newborn flow record<br>4 <sup>th</sup> Lactation consult |   |
| Abnormal Conditions of the Newborn   |  | Assisted ventilation required immediately following delivery |  | 1 <sup>st</sup> Labor delivery summary  |
|                                      |  | Assisted ventilation required for $\geq$ 30 minutes          |  | 1 <sup>st</sup> Newborn respiratory care flow sheet   |
|                                      | Assisted ventilation required for $\geq$ 6 hours |  |  |   |

# Birth Weight

**DEFINITION:** The weight of the infant at birth

**SOURCE:** Delivery Record under Infant Data

- Enter the weight of the infant in grams
- If not available in grams enter weight in pounds and ounces
- Please **do not convert**
- **This is the infant's weight at delivery, NOT at discharge**

# Date of First Prenatal Care Visit

**DEFINITION:** The date a physician or other health care professional first examined or counseled the pregnant woman for the pregnancy

**SOURCE:** Prenatal care record

- Enter the month, day, and year of the first prenatal care visit
- If date information is incomplete, enter all parts of the date that are known
- Do not ask the mother



# Number of Prenatal Visits

**DEFINITION:** The total number of visits recorded in the most current medical record available

**SOURCE:** Prenatal care record

- **Count** the number of prenatal visits from the most current prenatal record
- Do not include visits for classes, laboratory or other testing in which the pregnant woman was not individually examined or counseled
- Do not ask the mother

# Mother's Weight

## PREPREGNANCY WEIGHT

Mother's weight **BEFORE** current pregnancy started

1<sup>st</sup> Prenatal record

2<sup>nd</sup> Physician/nurse admission note

## WEIGHT AT DELIVERY

Mother's weight **at the time of delivery**

1<sup>st</sup> Labor and delivery (L&D) nursing admission triage

2<sup>nd</sup> Admission History and Physical (H&P)

- Use pounds in whole numbers only; Do not enter fractions or decimals
- If weight is 125 lbs. 4 ½ oz. or 125.4 lbs. enter 125 lbs. only

# Risk Factors in this Pregnancy

## 43. RISK FACTORS IN THIS PREGNANCY (Check all that apply)

- Diabetes - Prepregnancy (Diagnosis prior to this pregnancy)       Diabetes - Gestational (Diagnosis in this pregnancy)
- Hypertension - Prepregnancy (Chronic)       Hypertension - Gestational (PIH, preeclampsia)       Hypertension - Eclampsia
- Previous preterm birth       Other previous poor pregnancy outcome (Includes perinatal death, small-for-gestational age/intrauterine growth restriction)
- Mother/Parent had a previous cesarean delivery (If yes, how many )
- Pregnancy resulted from infertility treatment (If yes, check all below that apply)
- Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination
- Assisted reproductive technology (e.g., in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))
- Other (Specify)

# Diabetes

## PREPREGNANCY DIABETES

Glucose intolerance diagnosed **BEFORE** this pregnancy

DM–Diabetes mellitus    Class B-H DM  
Type 1 diabetes  
Type 2 diabetes  
IDDM–Insulin dependent diabetes mellitus  
Non-insulin dependent diabetes mellitus

## GESTATIONAL DIABETES

Glucose intolerance diagnosed **DURING** this pregnancy

Pregnancy-Induced Diabetes  
Class A1 or A2 DM  
GDM–Gestational diabetes mellitus  
IDGDM–Insulin dependent gestational diabetes mellitus

SOURCES: 1<sup>st</sup> Prenatal care record    2<sup>nd</sup> L&D nursing admission triage form  
3<sup>rd</sup> Admission H&P    4<sup>th</sup> Delivery record

- Check the time of diagnosis and select either one. **DO NOT mark both**

# Hypertension

## PREPREGNANCY (CHRONIC) HYPERTENSION

Elevation of blood pressure above normal for age and physiological condition diagnosed **PRIOR** to the onset of this pregnancy

Benign essential hypertension  
Essential hypertension  
Preexisting hypertension

## GESTATIONAL HYPERTENSION

Elevation of blood pressure above normal for age and physiological condition diagnosed **DURING** this pregnancy

Preeclampsia  
PIH–Pregnancy-induced hypertension  
HELLP Syndrome

SOURCES: 1<sup>st</sup> Prenatal care record      2<sup>nd</sup> L&D nursing admission triage form  
3<sup>rd</sup> Admission H&P                      4<sup>th</sup> Delivery record

- Check the time of diagnosis and select either one. **DO NOT mark both**

# Hypertension-Eclampsia

**DEFINITION:** Hypertension and generalized seizure or coma

**KEYWORD:** Eclamptic seizure

**SOURCES:** 1<sup>st</sup> Prenatal care record      2<sup>nd</sup> L&D nursing admission triage form  
3<sup>rd</sup> Admission H&P                              4<sup>th</sup> Delivery record

- Eclampsia can be checked with either pre-pregnancy or gestational hypertension

# Previous Preterm Birth

**DEFINITION:** A history of pregnancies resulting in a live infant born prior to 37 completed weeks

**SOURCES:**            1st Prenatal care record  
                                 2nd L&D nursing admission triage form

- Include live births born up to and including 36 weeks 6 days
- **Do not** include miscarriages, stillbirths or fetal deaths that occurred before 37 weeks

# Characteristics of Labor and Delivery

## 47. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply)

- Induction of labor
- Augmentation of labor
- Steroids (glucocorticoids) for fetal lung maturation received by the mother/parent prior to delivery
- Antibiotics received by the mother/parent during labor
- Clinical chorioamnionitis diagnosed during labor or maternal temperature  $> 38^{\circ}\text{C}$  ( $100.4^{\circ}\text{F}$ )
- Fetal intolerance of labor such that one or more of the following actions was taken: in-utero resuscitative measures, further fetal assessment, or operative delivery
- Epidural or spinal anesthesia during labor
- Other (Specify) \_\_\_\_\_
- None



# Induction vs. Augmentation of Labor

## INDUCTION OF LABOR

**Initiation** of uterine contractions by medical or surgical means for the purpose of delivery **BEFORE** labor has begun

1<sup>st</sup> Delivery record  
2<sup>nd</sup> Physician progress note  
3<sup>rd</sup> L&D nursing admission triage form

## AUGMENTATION OF LABOR

**Stimulation** of uterine contractions by medical or surgical means with the intent to reduce the time of delivery **AFTER** labor has begun

1<sup>st</sup> Delivery record  
2<sup>nd</sup> Physician progress note

- Common medications and techniques: oxytocin and artificial rupture of membranes
- Check when labor began and select either one. **DO NOT mark both**

# Antenatal Corticosteroids

**DEFINITION:** Steroids received by the mother prior to delivery to accelerate fetal lung maturation

**KEYWORDS:** Betamethasone; Betamethasone phosphate; Beta-PO4;  
Betamethasone acetate; Beta-Ac; Dexamethasone

**SOURCES:**

|                                       |  |
|---------------------------------------|--|
| 1 <sup>st</sup> Delivery record       | 2 <sup>nd</sup> Maternal medication record     |
| 3 <sup>rd</sup> Newborn admission H&P | 4 <sup>th</sup> Maternal physician order sheet |
| 5 <sup>th</sup> Prenatal care records |  |

- Typically administered in anticipation of preterm delivery (<37wks GA)
- Does not include steroid medication given to the mother for anti-inflammatory treatment

# Antibiotics Received by the Mother During Labor

**DEFINITION:** Includes antibacterial medications given systemically (intravenous or intramuscular) to the mother in the interval between the onset of labor and the actual delivery

**KEYWORDS:** SBE (sub-acute bacterial endocarditis), Maternal fever  
Prophylaxis GBS positive or GBS + (Group B streptococcus)

**SOURCES:** 1<sup>st</sup> Delivery record                      2<sup>nd</sup> Maternal medication record  
3<sup>rd</sup> Newborn admission H&P            4<sup>th</sup> Maternal physician order sheet  
5<sup>th</sup> Prenatal care records

- Check this item only if medications were received systemically by the mother **during labor**

# Method of Delivery

## 48. METHOD OF DELIVERY

A. Fetal presentation at birth:

Cephalic

Breech

Other (Specify) \_\_\_\_\_

B. Final route and method of delivery (Check one):

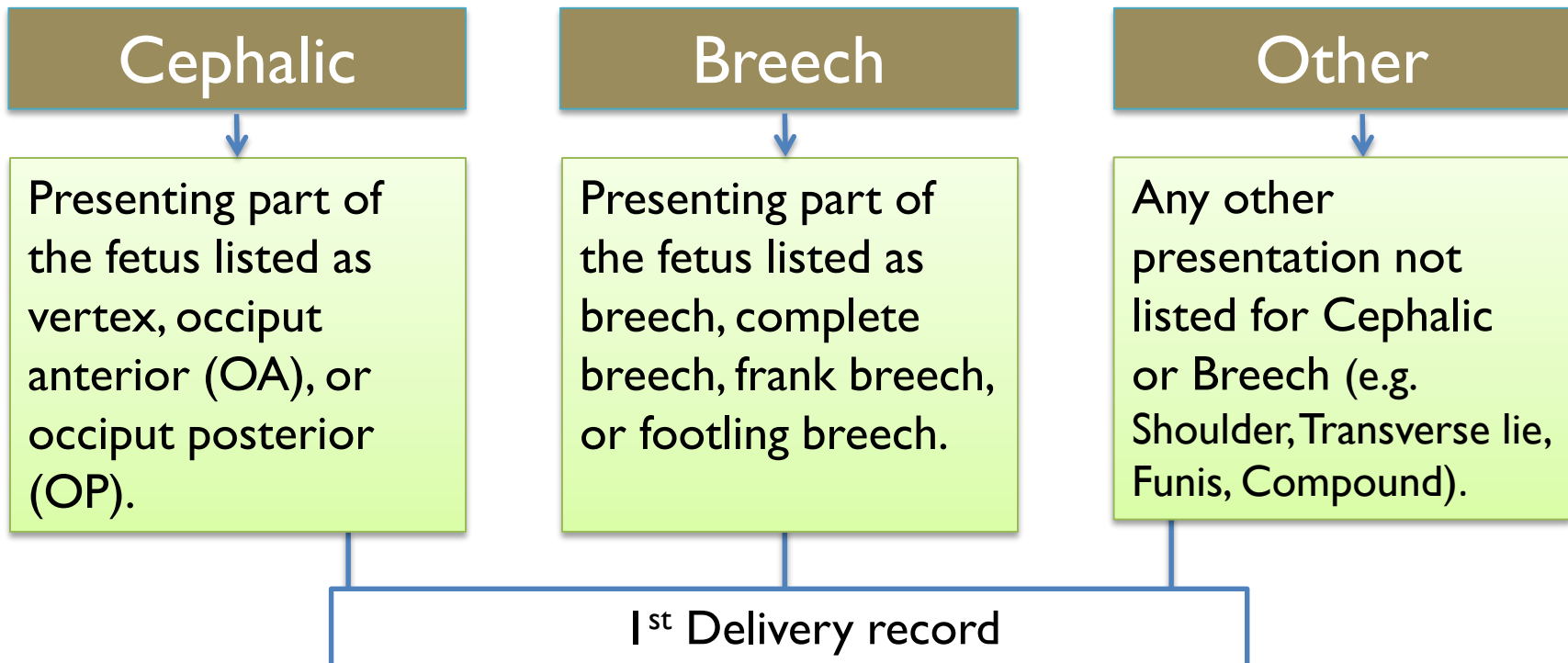
Vaginal/Spontaneous

Vaginal/Forceps

Vaginal/Vacuum

Cesarean (Was a trial of labor attempted?  Yes  No)

# Fetal Presentation at Birth



- Cephalic/Vertex – head is the presenting part at birth
- Breech – buttocks or leg is the presenting part at birth
- Check **one** of the three boxes.
- Check only the final presentation at birth.

# Final Route and Method of Delivery (CESAREAN)

**DEFINITION:** Extraction of the fetus, placenta, and membranes through an incision in the maternal abdominal and uterine walls.

**KEYWORDS:** C/S–Cesarean section, LSTCS–Low segment transverse

**SOURCES:** 1<sup>st</sup> Delivery record  
2<sup>nd</sup> Newborn admission H&P  
3<sup>rd</sup> Recovery room record

- Check this item only if **Cesarean**
- **Does not** include a vaginal birth after a prior cesarean

# Obstetrical Estimate of Gestation

**DEFINITION:** The best estimate of the infant's gestational age in completed weeks based on the prenatal care provider's estimate of gestational age

SOURCE: OB admission H&P

- Ultrasound completed in the first trimester is preferred
- This estimate of gestational age should be determined by all perinatal factors and assessments but **NOT** the neonatal exam
- **NEVER** round up or down. Enter number of weeks and days

# Breastfeeding at Discharge

**DEFINITION:** Information on whether the infant was given human milk or colostrum during the period between birth and discharge from the hospital

SOURCES: 1<sup>st</sup> L&D summary record      2<sup>nd</sup> Maternal progress note  
3<sup>rd</sup> Newborn flow record      4<sup>th</sup> Lactation consult

- It includes breastfeeding, pumping and any attempt to breastfeed
- The infant **DOES NOT** need to be exclusively breastfed
- It is **NOT** simply the mother's intent to breast-feed



# APGAR at 5 minutes

**DEFINITION:** The delivery attendant's assessment of color, heart rate, reflex irritability, muscle tone, and respiration of the infant at 5 minutes following birth.

SOURCES: 1<sup>st</sup> Delivery record

- Enter the infant's Apgar score at 5 minutes
- Scores are between 1 to 10 with 10 being the best score
- If not available, do not use the 10 minute APGAR or other

# Assisted Ventilation Required: Immediately Following Delivery

**DEFINITION:** Ventilation given to the infant through manual breaths for any duration with bag and mask or bag and endotracheal tube within the first several minutes from birth

## KEYWORDS:

- PPV (positive pressure ventilation)
- IPPV Bag (intermittent positive pressure ventilation)
- Neopuff O2 via ET (oxygen via endotracheal intubation)

**SOURCES:** Labor delivery summary

- **DOES NOT** include blow by or free flow oxygen, laryngoscopy for aspiration of meconium or nasal cannula

# Assisted Ventilation Required

30 minutes or more

Infant given mechanical ventilation by any method for **thirty minutes and less than six hours**

More than six hours

Infant given mechanical ventilation by any method for **six hours or more**

1<sup>st</sup> Newborn respiratory care flow sheet

- **Includes** conventional, high frequency, or continuous positive pressure (CPAP)
- **Excludes** free-flow oxygen only, laryngoscopy for aspiration of meconium, and nasal cannula
- **Check all that apply**

# Comments? Questions?



The following section is required only for the  
initiative **Leads**

# Data Entry Methods

# Key Personnel

- Hospitals will need to designate a:
  - Clinical Lead
  - Data Abstractor Lead
  - Birth Registrar Lead
- All 3 Lead designees will need to be knowledgeable of:
  - Best reliable data sources for the 23 key data variables and BCI data collection procedures
  - Maternal and infant health care (Clinical & Data Abstractor Leads)

# Key Personnel Roles

- **Clinical Lead** will:
  - Interface with clinical team on issues of reporting in the medical record
  - Receive monthly BCI audit reports
- **Data Abstractor Lead** will:
  - Conduct and report monthly audits to FPQC
  - Support the clinical expert
- **Birth Certificate Registration Lead** will:
  - Organize and encourage all personnel who complete birth certificates to participate in BCI QI efforts



# Auditing of Records

## Data Abstractor Lead:

- Will receive a monthly e-mail from Florida Department of Health (FDOH)
- Email will contain a list of State File Numbers (SFN) for 10 birth certificates

# Accessing the Evitals Report

- For each SFN entered into your Vital Records System a report will be generated
- Each report will contain data for the 23 key variables
- A total of 10 reports should be generated and printed each month



# Evitals Report Demonstration

**Gary Sammet**

Administrator--Public Health Statistics & Medical Classification

Bureau of Vital Statistics

Florida Department of Health

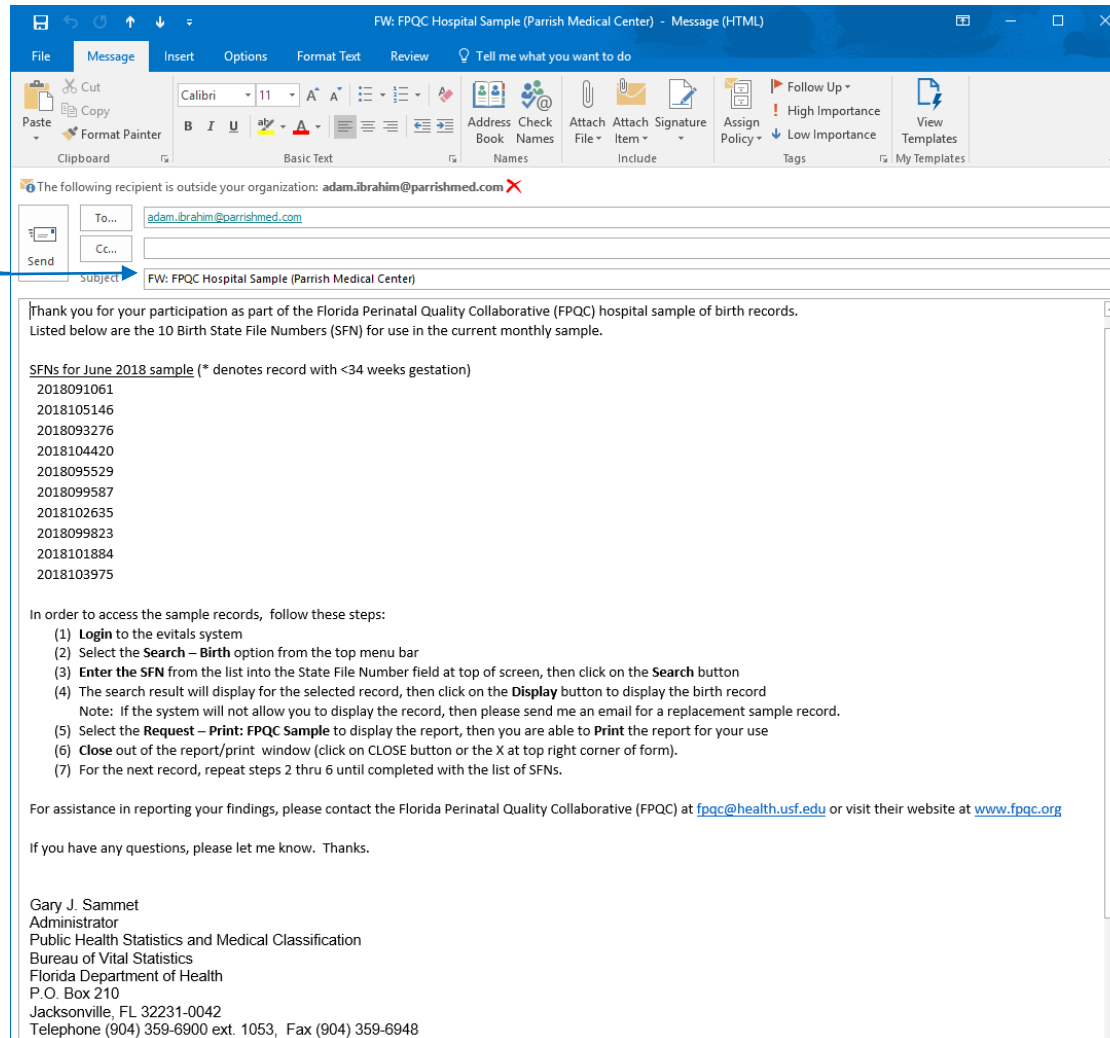
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for Mothers and Babies

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# Sampling conducted by Email notification

Subject: FPQC  
Hospital Sample



FW: FPQC Hospital Sample (Parrish Medical Center) - Message (HTML)

The following recipient is outside your organization: adam.ibrahim@parrishmed.com

To: adam.ibrahim@parrishmed.com

Cc:

Subject: FW: FPQC Hospital Sample (Parrish Medical Center)

Thank you for your participation as part of the Florida Perinatal Quality Collaborative (FPQC) hospital sample of birth records. Listed below are the 10 Birth State File Numbers (SFN) for use in the current monthly sample.

SFNs for June 2018 sample (\* denotes record with <34 weeks gestation)

- 2018091061
- 2018105146
- 2018093276
- 2018104420
- 2018095529
- 2018099587
- 2018102635
- 2018099823
- 2018101884
- 2018103975

In order to access the sample records, follow these steps:

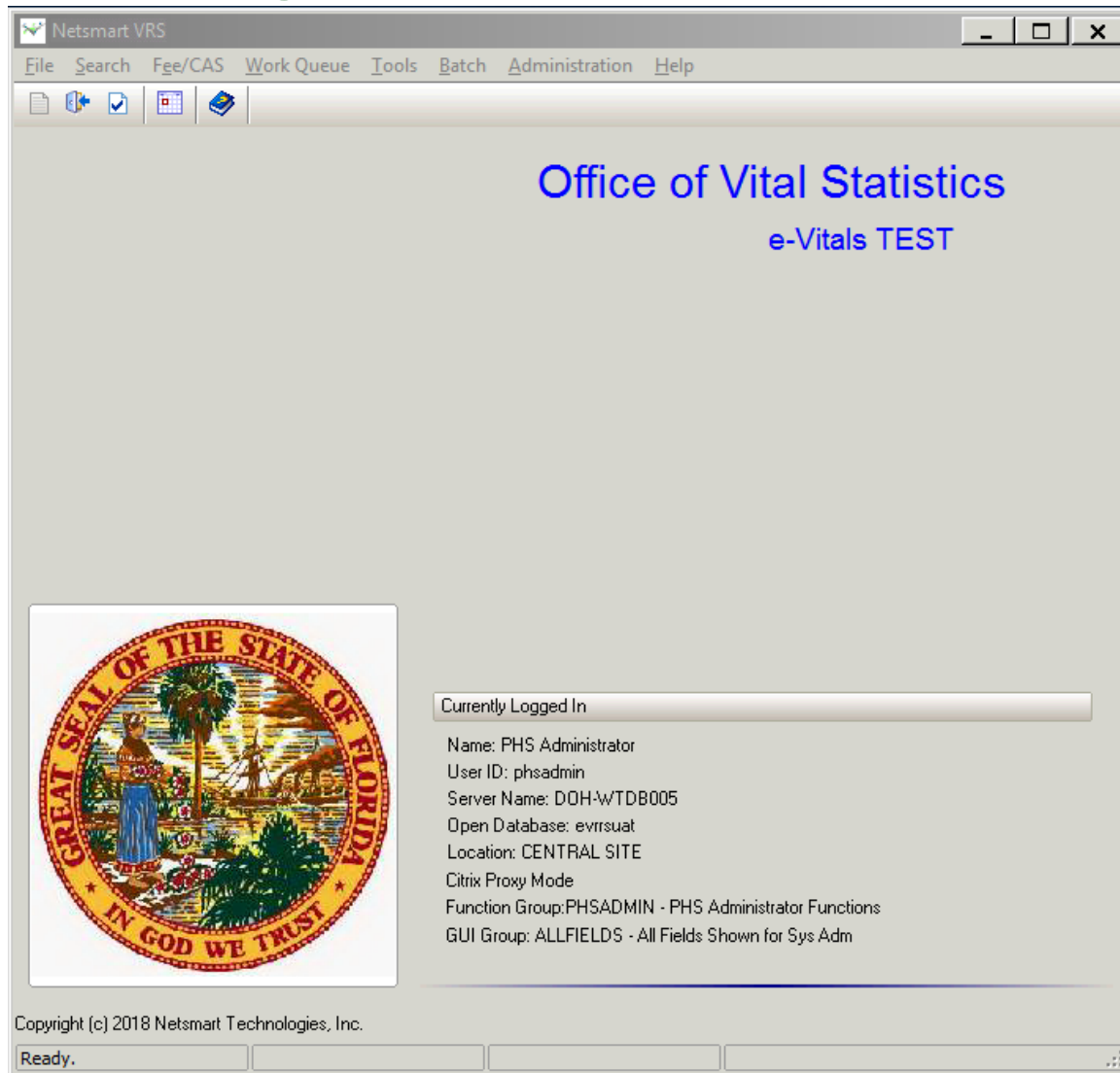
- (1) **Login** to the evitals system
- (2) Select the **Search – Birth** option from the top menu bar
- (3) **Enter the SFN** from the list into the State File Number field at top of screen, then click on the **Search** button
- (4) The search result will display for the selected record, then click on the **Display** button to display the birth record  
Note: If the system will not allow you to display the record, then please send me an email for a replacement sample record.
- (5) Select the **Request – Print: FPQC Sample** to display the report, then you are able to **Print** the report for your use
- (6) **Close** out of the report/print window (click on CLOSE button or the X at top right corner of form).
- (7) For the next record, repeat steps 2 thru 6 until completed with the list of SFNs.

For assistance in reporting your findings, please contact the Florida Perinatal Quality Collaborative (FPQC) at [fpqc@health.usf.edu](mailto:fpqc@health.usf.edu) or visit their website at [www.fpqc.org](http://www.fpqc.org)

If you have any questions, please let me know. Thanks.

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# Logon to e-Vitals system



The screenshot shows a Netsmart VRS application window. The title bar reads "Netsmart VRS" and the menu bar includes "File", "Search", "Fee/CAS", "Work Queue", "Tools", "Batch", "Administration", and "Help". The main content area displays "Office of Vital Statistics" and "e-Vitals TEST" in blue text. On the left, there is a circular seal of the State of Florida with the text "GREAT SEAL OF THE STATE OF FLORIDA" and "IN GOD WE TRUST". To the right of the seal, a box titled "Currently Logged In" lists the following information:

- Name: PHS Administrator
- User ID: phsadmin
- Server Name: DOH-WTDB005
- Open Database: evrsvat
- Location: CENTRAL SITE
- Citrix Proxy Mode
- Function Group:PHSADMIN - PHS Administrator Functions
- GUI Group: ALLFIELDS - All Fields Shown for Sys Adm

At the bottom left of the window, it says "Copyright (c) 2018 Netsmart Technologies, Inc." and "Ready." is displayed in the status bar.

# Search for Birth SFN

The screenshot shows the Netsmart VRS application window. The title bar reads "Netsmart VRS". The menu bar includes "File", "Search", "Fee/CAS", "Work Queue", "Tools", "Batch", "Administration", and "Help". A dropdown menu is open under "Search", listing "Birth", "Marriage", "Dissolution", "Death", and "Fetal Death". The "Birth" option is highlighted. The main content area displays "Office of Vital Statistics" and "e-Vitals TEST" in blue text. Below this is the Great Seal of the State of Florida, which features a woman holding a scale and a sword, with the text "GREAT SEAL OF THE STATE OF FLORIDA" and "IN GOD WE TRUST". To the right of the seal is a "Currently Logged In" section with the following details: Name: PHS Administrator, User ID: phsadmin, Server Name: DOH-WTDB005, Open Database: evrrsuat, Location: CENTRAL SITE, Citrix Proxy Mode, Function Group: PHSADMIN - PHS Administrator Functions, and GUI Group: ALLFIELDS - All Fields Shown for Sys Adm. At the bottom left, it says "Copyright (c) 2018 Netsmart Technologies, Inc." and "Ready." is displayed in the status bar.

# Enter SFN then click 'Search'

Netsmart VRS - Search - BIRTH

File Search Requests Tools Batch Administration Help

SEARCH CRITERIA RESULTS (click column title to sort)

State File Number Tracking Number  
2018000001

Child's First Name Middle Name Last Name Suffix

Sex Date of Birth Year of Birth County

Country of Birth SSN

Mother's/Parent's First Name Middle Name Name Prior to First Marriage SSN

Father's/Parent's First Name Middle Name Current Surname SSN

Record Status Create Date User ID Missing Child  Director's

Putative Father

Linked Death State/Province

Linked Death Country Linked Date of Death

Linked Death State File Number

Date Updated: Updated By: Sealed File Number Alert Count User Location Code

Search Display Reset/Clear

# On results screen click 'Display'

SEARCH CRITERIA

RESULTS (click column title to sort)

| State File Number | Tracking Number | Child's First Name | Middle Name | Last Name | Suffix | Sex | Date of Birth | Year of Birth | County | Country       |
|-------------------|-----------------|--------------------|-------------|-----------|--------|-----|---------------|---------------|--------|---------------|
| 2018000001        | 2018000001      | ROBERT             | BOB         | JONES     |        | M   | 03/12/2018    | 2018          | DUVAL  | UNITED STATES |

Search    **Display**    Reset/Clear

Records Found: 1



# Birth record will display (Child tab)

BIRTH - 2018 - Netsmart VR

File Search Requests Actions Linking Tools Administration Help

<No Alerts> Save No Edits

Child Cert/Attend Mother/Parent Father/Parent Pat Aff Admin Parnt Hist Preg Hist Med 1 Med 2 Newborn Flags MODS Court

System Information

|                  |                    |                    |                  |                  |                      |                            |             |
|------------------|--------------------|--------------------|------------------|------------------|----------------------|----------------------------|-------------|
| Tracking Number: | User Location Code | User ID:           | Regis Type       | Create Date      | Status               | Post Reg Status            | Sent to SSA |
| 2018000001       | 26006              | Hospital Registrar |                  | 04/02/2018       | Registered/Completed | CSE Paternity              | N           |
| Date Updated:    | Updated By:        | State File Number  | State File Date: | Type of Adoption | Type of Paternity    | Date Paternity Established |             |
| 07/18/2018       | phsadmin           | 2018000001         | 04/02/2018       |                  | DDRAdmPat            | 03/27/2018                 |             |

Source State File Number

Healthy Start

Screening consent (Y/N)  Program consent (Y/N)  Info release (Y/N)

Child Information

|                        |                          |               |        |                        |
|------------------------|--------------------------|---------------|--------|------------------------|
| First Name             | Middle Name              | Last Name     | Suffix |                        |
| ROBERT                 | BOB                      | JONES         |        |                        |
| Sex                    | Foundling?               | Date of Birth |        |                        |
| M                      | <input type="checkbox"/> | 03/12/2018    |        |                        |
| Birth Weight Indicator | Pounds                   | Ounces        | Grams  | Time of Birth (24 hr.) |
| P                      | 5                        | 6             | 2438   | 1840                   |

Place of Birth

County: DUVAL

Facility Name: UF HEALTH JACKSONVILLE

Place where birth occurred: HOSPITAL

Planned to deliver at home?  City: JACKSONVILLE

Long Name Verification

ROBERT BOB JONES

2018000001

# Click on 'Request' then select 'Print: FPQC Sample'

The screenshot shows the 'BIRTH - 2018 - Netsmart VR' application window. The 'Requests' menu is open, and 'Print: FPQC Sample' is highlighted. The main form displays the following information:

| Tracking Number | User Location Code | User ID            | Regis Type               | Create Date | Status               | Post Reg Status | Sent to SSA              |
|-----------------|--------------------|--------------------|--------------------------|-------------|----------------------|-----------------|--------------------------|
| 2018000001      | 26006              | Hospital Registrar | <input type="checkbox"/> | 04/02/2018  | Registered/Completed | CSE Paternity   | <input type="checkbox"/> |

Additional fields include:

- Date Updated: 07/18/2018; Updated By: phsadmin
- State File Number: 2018000001; State File Date: 04/02/2018
- Type of Adoption: [Dropdown]; Type of Paternity: DORAdmPat; Date Paternity Established: 03/27/2018
- Healthy Start: Screening consent (Y/N) ; Program consent (Y/N) ; Info release (Y/N)
- Child Information: First Name: ROBERT; Middle Name: BOB; Last Name: JONES; Sex:  M; Date of Birth: 03/12/2018
- Birth Weight Indicator: P; Pounds: 5; Ounces: 6; Grams: 2438; Time of Birth (24 hr.): 1840
- Place of Birth: County: DUVAL; Facility Name: UF HEALTH JACKSONVILLE; Place where birth occurred: HOSPITAL
- Planned to deliver at home? ; City: JACKSONVILLE
- Long Name Verification: ROBERT BOB JONES

# Report will display in new window then click 'Print'

**BIRTH - 2018 - Netsmart VR**

File Search Rec **Print Preview** 81% 1 Close

Child Cert/Attend

System Information  
Tracking Number: 2018000001  
Date Updated: 07/18/2018  
Source State File N  
Healthy Start  
Screening consent  
Child Information  
First Name: ROBERT  
Sex:  Foundlin M  
Birth Weight Indicat: P  
Place of Birth  
County: DUVAL  
Facility Name: UFH  
Planned to deliver at:   
Long Name Verificati: ROBERT BOB JON

**VITAL STATISTICS PERINATAL QUALITY CONTROL**

**BIRTH INFORMATION**  
STATE FILE NUMBER: 2018000001 DATE FILED: 04/02/2018  
DATE OF BIRTH: 03/12/2018 TIME OF BIRTH (24HR): 1840  
FACILITY NAME / COUNTY: UF HEALTH JACKSONVILLE / DUVAL  
CHILD'S NAME (FML): ROBERT BOB JONES  
MOTHER'S/PARENT'S NAME (FML/(mdn)): MARY ANN (SMITH)  
MOTHER'S/PARENT'S DATE OF BIRTH: 08/14/1978  
MOTHER'S/PARENT'S MRN: NOT RECORDED  
NEWBORN'S MRN: NOT RECORDED

**MEDICAL INFORMATION**  
1. BIRTHWEIGHT  
UNITS: POUNDS  
GRAMS: 2438 LBS/OZS: 5 / 6  
2. DATE OF FIRST PRENATAL VISIT: 88/88/8888  
3. TOTAL NUMBER OF PRENATAL VISITS: 30  
4. PREPREGNANCY WEIGHT: 120  
5. WEIGHT AT DELIVERY: 150

**PREGNANCY RISK FACTORS**  
6. PREPREGNANCY DIABETES: NO  
7. GESTATIONAL DIABETES: NO  
8. PREPREGNANCY OR CHRONIC HYPERTENSION: NO  
9. GESTATIONAL HYPERTENSION: NO  
10. HYPERTENSION - ECLAMPSIA: NO  
11. PREVIOUS PRETERM BIRTHS: NO

**CHARACTERISTICS OF LABOR AND DELIVERY**  
12. INDUCTION OF LABOR: NO  
13. AUGMENTATION OF LABOR: NO  
14. ANTENATAL CORTICOSTEROIDS: NO  
15. ANTIBIOTICS RECEIVED BY THE MOTHER DURING DELIVERY: NO  
16. FETAL PRESENTATION AT DELIVERY: BREECH  
17. FINAL ROUTE AND METHOD OF DELIVERY: SPONTANEOUS  
18. OBSTETRIC ESTIMATE OF GESTATION (in weeks): 38  
19. BREASTFEEDING AT DISCHARGE: NO  
20. APGAR SCORE AT 5 MINUTES: 09

**ABNORMAL CONDITIONS OF THE NEWBORN**  
21. ASSISTED VENTILATION AFTER DELIVERY  
IMMEDIATELY FOLLOWING DELIVERY: NO  
30 MINUTES UP TO 6 HOURS AFTER DELIVERY: NO

Page 1 of 1

Sent to SSA: N  
Date Paternity Established: 03/27/2018

# FPQC Report

## VITAL STATISTICS PERINATAL QUALITY CONTROL

### BIRTH INFORMATION

STATE FILE NUMBER: 2018000001      DATE FILED: 04/02/2018  
DATE OF BIRTH: 03/12/2018      TIME OF BIRTH (24HR): 1840  
FACILITY NAME / COUNTY: UF HEALTH JACKSONVILLE / DUVAL  
CHILD'S NAME (FML): ROBERT BOB JONES  
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IMMEDIATELY FOLLOWING DELIVERY: NO  
30 MINUTES UP TO 6 HOURS AFTER DELIVERY: NO  
6 HOURS OR MORE AFTER DELIVERY: NO

# Close report

BIRTH - 2018 - Netsmart VR

File Search Reg Print Preview

81% 1 Close

Child Cert/Attend

System Information  
Tracking Number: 2018000001  
Date Updated: 07/18/2018  
Source State File N  
Healthy Start  
Screening consent

Child Information  
First Name: ROBERT  
Sex:  Foundlin  
 M  
Birth Weight Indicatc  
 P  
Place of Birth  
County: DUVAL  
Facility Name: UF H  
Planned to deliver at

Long Name Verificati  
ROBERT BOB JON

**VITAL STATISTICS PERINATAL QUALITY CONTROL**

**BIRTH INFORMATION**  
STATE FILE NUMBER: 2018000001 DATE FILED: 04/02/2018  
DATE OF BIRTH: 03/12/2018 TIME OF BIRTH (24HR): 1840  
FACILITY NAME / COUNTY: UF HEALTH JACKSONVILLE / DUVAL  
CHILD'S NAME (FML): ROBERT BOB JONES  
MOTHER'S/PARENT'S NAME (FML/mdn): MARY ANN (SMITH)  
MOTHER'S/PARENT'S DATE OF BIRTH: 08/14/1978  
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30 MINUTES UP TO 6 HOURS AFTER DELIVERY: NO

Sent to SSA  
 N  
Date Paternity Established  
03/27/2018

Page 1 of 1

# Click on 'Search' for next record

BIRTH - 2018 - Netsmart VR

File **Search** Requests Actions Linking Tools Administration Help

<No Alerts> Save No Edits

Child Cert/Attend Mother/Parent Father/Parent Pat Aff Admin Parent Hist Preg Hist Med 1 Med 2 Newborn Flags MODS Court

System Information

|                  |                     |                    |                          |              |                      |                  |                          |
|------------------|---------------------|--------------------|--------------------------|--------------|----------------------|------------------|--------------------------|
| Tracking Number: | User Location Code: | User ID:           | Regis Type:              | Create Date: | Status:              | Post Reg Status: | Sent to SSA:             |
| 2018000001       | 26006               | Hospital Registrar | <input type="checkbox"/> | 04/02/2018   | Registered/Completed | CSE Paternity    | <input type="checkbox"/> |

|               |             |                    |                  |                   |                    |                             |
|---------------|-------------|--------------------|------------------|-------------------|--------------------|-----------------------------|
| Date Updated: | Updated By: | State File Number: | State File Date: | Type of Adoption: | Type of Paternity: | Date Paternity Established: |
| 07/18/2018    | phsadmin    | 2018000001         | 04/02/2018       |                   | DORAdmPat          | 03/27/2018                  |

Source State File Number

Healthy Start

Screening consent (Y/N)  Program consent (Y/N)  Info release (Y/N)

Child Information

|            |             |           |        |
|------------|-------------|-----------|--------|
| First Name | Middle Name | Last Name | Suffix |
| ROBERT     | BOB         | JONES     |        |

Sex  Foundling? Date of Birth

M 03/12/2018

|                        |        |        |       |                        |
|------------------------|--------|--------|-------|------------------------|
| Birth Weight Indicator | Pounds | Ounces | Grams | Time of Birth (24 hr.) |
| P                      | 5      | 6      | 2438  | 1840                   |

Place of Birth

County: DUVAL

Facility Name: UF HEALTH JACKSONVILLE

Place where birth occurred: HOSPITAL

Planned to deliver at home?  City: JACKSONVILLE

Long Name Verification

ROBERT BOB JONES

2018000001

# Comments? Questions?



# Auditing Process



# Data Checklist

- BCI monthly check sheet to record the audit
- 1st row must be checked if infant's GA is <34 weeks
- Following 23 rows represent the key variables: Check if discrepancies are found
- Each column represents one chart (10 total)
- “**Total**” column adds the number of identified discrepancies for each variable and is the **only** information you will report

# Data Checklist



## Birth Certificate Initiative: Data Checklist

### EXAMPLE FORM

| Variable   | Total | Chart 1                      | Chart 2                      | Chart 3                      | Chart 4                      | Chart 5                      | Chart 6                      | Chart 7                      | Chart 8                      | Chart 9                      | Chart 10                     |
|--|-------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Is the infant <34 weeks gestation?<br>(not counted in overall accuracy)                                  | 0     | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes |
| <b>Check the appropriate box if the birth certificate and hospital record data items <u>DISAGREE</u></b> |       |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |
| Weight of infant at birth ( $\pm$ 1oz or 30g)  | 0     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     |
| Date of first prenatal visit ( $\pm$ 2 days)   | 0     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     |
| Total number of prenatal visits  | 0     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     |
| Mother's pre-pregnancy weight ( $\pm$ 1 pound)   | 0     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     | <input type="checkbox"/>     |

✓ Available in PDF or Excel formats

# Audit Materials

- 10 Evitals reports (one for each SFN)
- Data checklist (PDF or Excel)
- Hospital records matching the 10 SFN
- BCI instruction manual

# Audit

- Ensure the hospital record matches the Evitals report
- Compare each variable in the Evitals report with the best place in the hospital record
- If you find a disagreement, mark the corresponding box in the data checklist

# Example 1

| Variable                                      | Birth Certificate | Medical Record | Audit Disagreement |
|---|-------------------|----------------|--------------------|
| Weight of infant at birth ( $\pm$ 1oz or 30g) | 3000g             | 3000g          | No                 |
| Weight of infant at birth ( $\pm$ 1oz or 30g) | 3000g             | 2980g          | No                 |
| Weight of infant at birth ( $\pm$ 1oz or 30g) | 3000g             | 3085g          | Yes                |

## Example 2

| Variable          | Birth Certificate | Medical Record | Audit Disagreement |
|-------------------|-------------------|----------------|--------------------|
| Cesarean delivery | Cesarean          | Cesarean       | No                 |
| Cesarean delivery | Vaginal           | Vaginal        | No                 |
| Cesarean delivery | Vaginal           | Cesarean       | Yes                |
| Cesarean delivery | Cesarean          | Vaginal        | Yes                |

# Audit

- **Data Checklist**
  - PDF format – add number of disagreements for each variable and enter in the “Total” column
  - Excel format – “Total” column will be automatically calculated for you
- Review the BCI instruction manual for best variable sources within the medical record
- **DO NOT USE** the “Facility Worksheet” (or birth certificate worksheet) for the audit

# Data Entry

- **REDCap** (Research Electronic Data Capture) is a secured web application to support data capture
- **Data Abtractor Lead** will receive a [hyperlink](#) from FPQC to access the survey in REDCap
- Enter the information you collected on the **Data Checklist** directly into REDCap
- Submit the reports by the [20<sup>th</sup> of each month](#)



# REDCap

Resize font:



## Birth Certificate Accuracy Initiative (BCI)

Please complete the survey below.

Thank you!

1) Which hospital are you reporting for?

\* must provide value

2) Which month are you reporting for?

\* must provide value

3) Which year are you reporting for?

\* must provide value

2018  
 2019

reset

4) Number of infants < 34 weeks' gestation

\* must provide value

This measure will not be included in the percent accuracy calculation.

5) Total discordant responses for: Weight of infant at birth

\* must provide value

Enter the number of instances in which the birth certificate and the hospital vital record DID NOT MATCH.

# Comments? Questions?



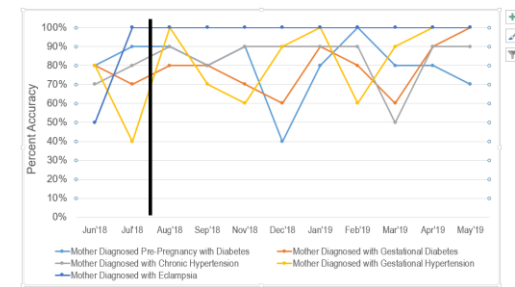
# BCI Data Reporting

# Hospital Reports

## Reports will show:

- Individual hospital accuracy percent for each birth certificate variable
- Individual hospital accuracy percent compared to all BCI hospitals and the BCI Goal
- The overall accuracy percent for all 23 key variables month-to-month throughout the initiative

Percent Accuracy of Maternal Condition Variables



# Hospital Reports

## Monthly

- Received near the time of the webinar of the following month (*assumes all hospitals report in a timely manner*)
- For example, August's report should be received around the time of September's webinar

# Understanding Your Hospital Report

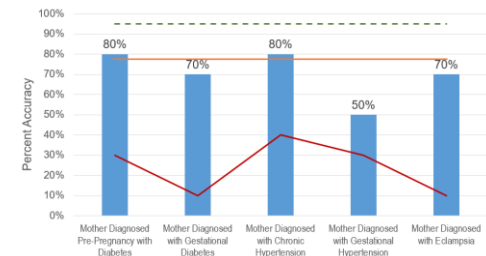
# Understanding Your Hospital Report

## Monthly Reports

- Show data from baseline (Jun & Jul 2018) through end of initiative (May 2019)
  - All variables combined
  - Each individual variable

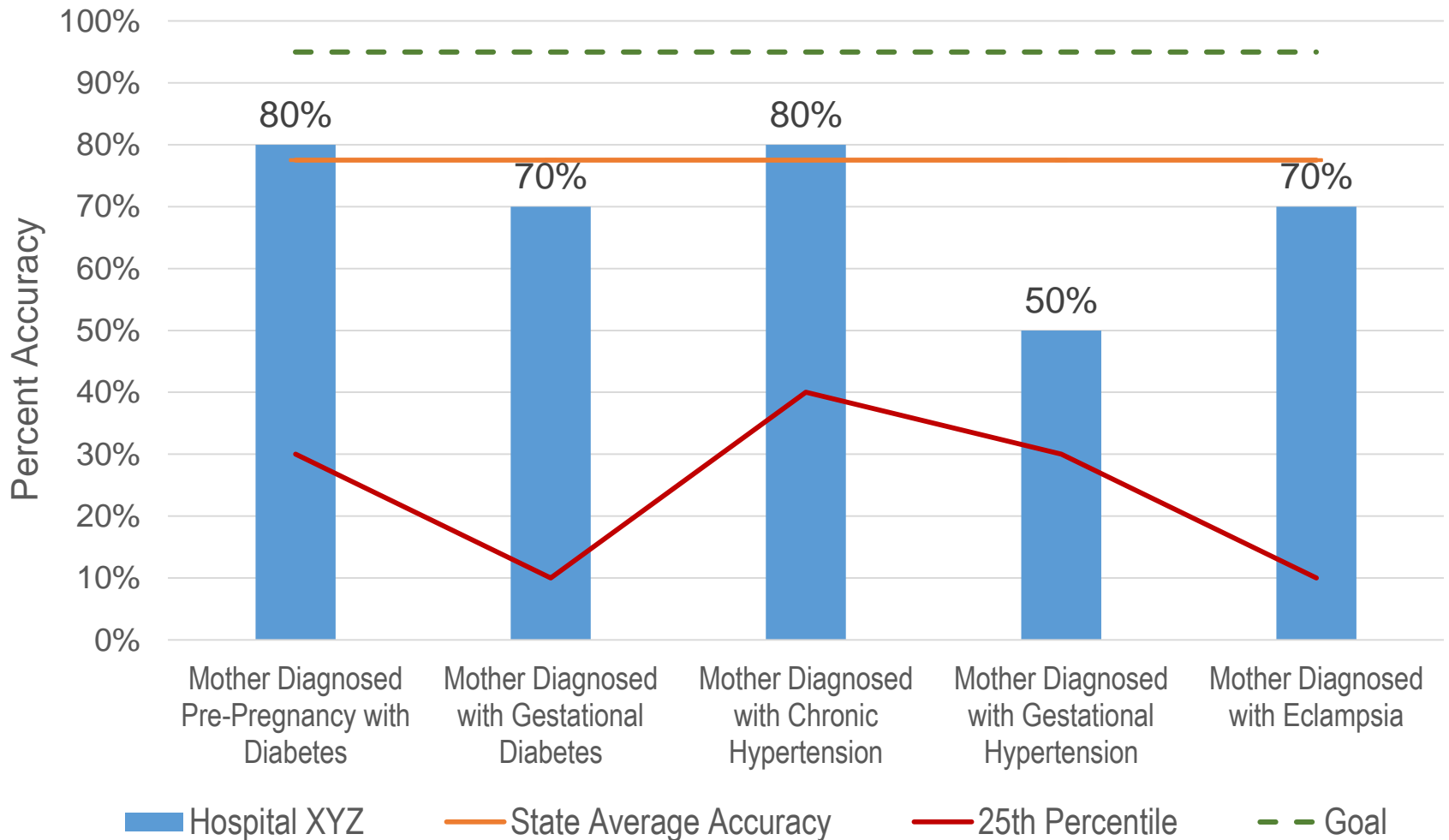
# Understanding Your Hospital Report

- Focus on your hospital's bar graph to see improvement in your data
- Look for percent accuracy trends in your June 2018 through May 2019 reports
- Compare your hospital's accuracy (bars) to:
  - The BCI Goal
  - Average for all participating hospitals
  - 25<sup>th</sup> percentile for all participating hospitals

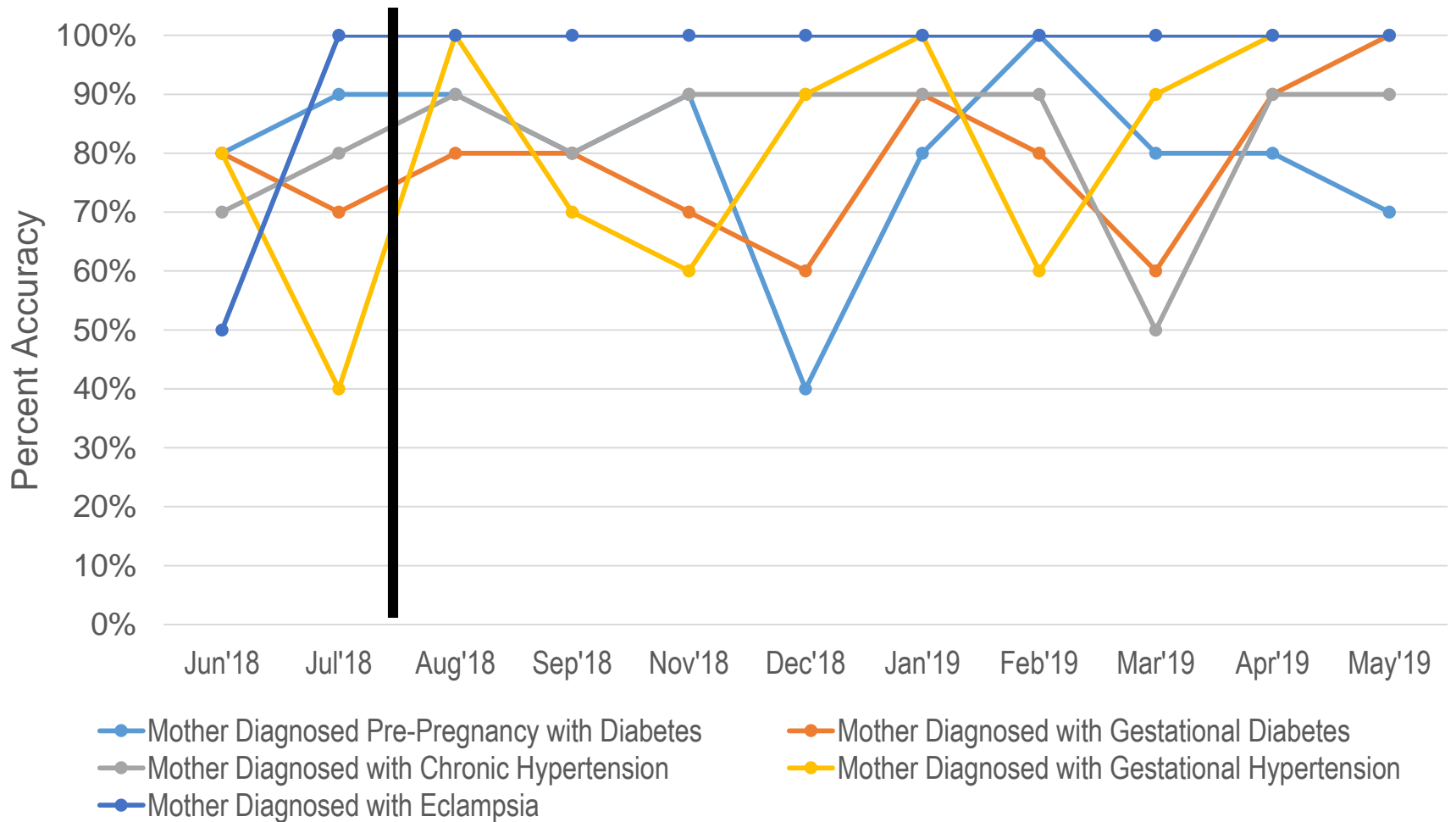




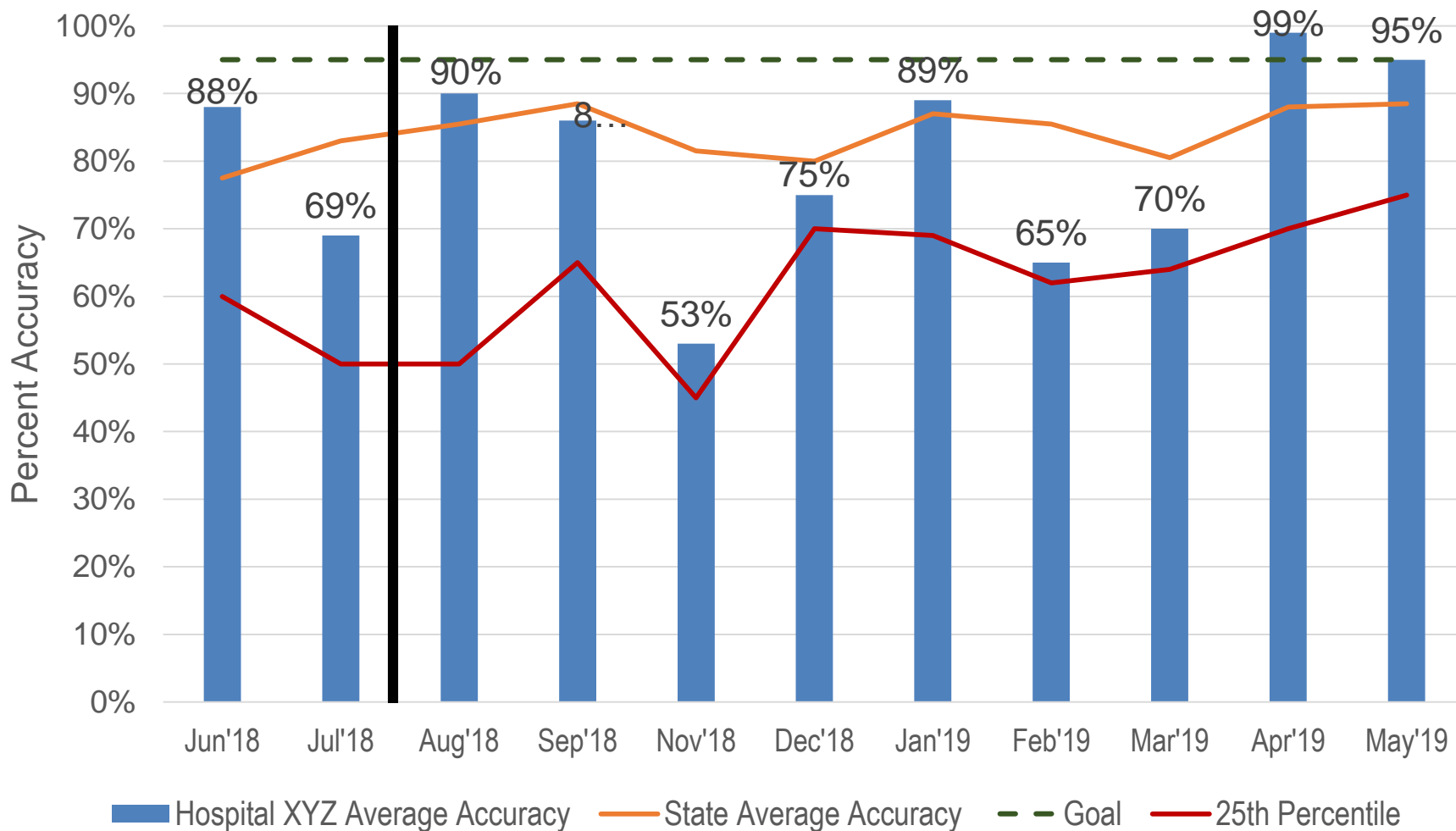
# Average Percent Accuracy of Maternal Condition Variables



# Percent Accuracy of Maternal Condition Variables



# Percent Accuracy of All 23 Birth Certificate Variables



# Comments? Questions?



# Training

# Training

It is important to recognize that training might need to be on:

- Clinical side
- Birth certificate reporting side



# Important Dates

# Important Dates

## Deliverable

1. Data Entry of audits into **REDCap**
2. Hospital monthly **reports** from FPQC

## Due Date

**20<sup>th</sup> of every month**

**Around the time of  
webinar**



# Upcoming Webinars

# BCI Webinar Purpose

- Share BCI project overview
- Provide quality training and tools to assist with accurate data collection
- Learn about problems/challenges and best practices from each hospital
- Report on data accuracy progress
- Provide important updates
- Make recommendations for improvement

# Upcoming Webinars

- **Monthly webinars starting August 2018** – Detailed look at variables that hospitals are finding challenging
  - **August 23<sup>rd</sup>, 2018** – ‘Improving Reporting Accuracy: Total Number of Prenatal Visits’
  - **September 27<sup>th</sup>, 2018**
  - **October 25<sup>th</sup>, 2018**
  - **December 6<sup>th</sup>, 2018**
- Based on poor performing variables and hospital needs.

# BCI Website

# FPQC Website

www.fpqc.org



Home > ... > The Chiles Center > Florida Perinatal Quality Collaborative

Florida Perinatal Quality Collaborative



- Home
- Who We Are
- Governance & Structure
- Get Involved
- Communications
- Testimonials
- Projects >
- Events
- Provider Education >
- Patient Education >
- Staff & Information

Located at:



Welcome to the  
Florida Perinatal Quality Collaborative



Welcome to the website of the Florida Perinatal Quality Collaborative (FPQC)

[View our Current Projects.](#)

Now Recruiting Hospital Participants

## NEONATAL ABSTINENCE SYNDROME

### Quality Improvement Initiative

[Find out more](#)

#### Latest News



FPQC Engages



Access LARC Meeting



Florida Perinatal Quality Collaborative



FPQC Launches Labor




# FPQC Website

News Education Research Patient Care USF Health USF Search


**USF HEALTH** [Home](#) > [...](#) > [The Chiles Center](#) > [Florida Perinatal Quality Collaborative](#)  
Florida Perinatal Quality Collaborative

Home About Admissions Academics Research Giving

- Home
- Who We Are
- Governance & Structure
- Get Involved
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Located at:  
 **Chiles Center**  
Women, Children & Families

Welcome to the  
**Florida Perinatal Quality Collaborative**

 Partnering to Improve Health Care Quality  
for Mothers and Babies



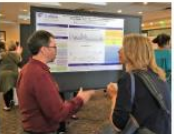

Welcome to the website of the **Florida Perinatal Quality Collaborative (FPQC)**  
[View our Current Projects.](#)

Now Recruiting Hospital Participants

**NEONATAL ABSTINENCE SYNDROME**  
Quality Improvement Initiative

[Find out more](#)

Latest News

-  [FPQC Engages](#)
-  [Access LARC Meeting](#)
-  [Florida Perinatal Quality](#)
-  [FPQC Launches Labor](#)

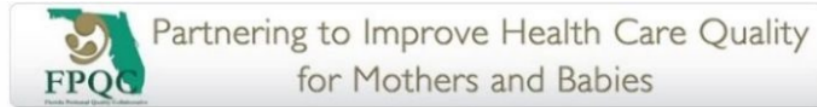
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- Projects ▼
  - Past
  - Current**
  - Upcoming
- Events
- Provider Education ▶
- Patient Education ▶
- Staff & Information

Located at:



## ● Current Projects



### Promoting Primary Vaginal Deliveries (PROVIDE)

About one-fifth of Florida hospitals meet the Healthy People 2020 national goal for Nulliparous Term Singleton Vertex (NTSV) cesarean section deliveries of 23.9% or less. The purpose of this project is to work with Florida stakeholders and hospitals to improve readiness, recognition, response, and reporting with the ultimate goal of promoting intended primary vaginal deliveries.

### Access LARC

This is a new project with the goal of working with Florida hospitals to improve hospital policies, procedures, and collaboration to increase rates of postpartum LARC usage, and to work with Medicaid, and other payers and state partners, to facilitate their use.

### Birth Certificate Accuracy Improvement Initiative (BCI)

Inaccurate or incomplete data in the birth certificate impacts surveillance, research, and public health prevention and intervention strategies. The BCI aims to improve the accuracy of key birth certificate variables to at least 95% by providing training, support, and data reporting.

### Perinatal Quality Indicator System

# BCI Website

- Home
- Who We Are
- Governance & Structure
- Get Involved
- Communications
- Testimonials
- Projects ▼
  - Past
  - Current
  - Upcoming
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## ● Current Projects



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### Perinatal Quality Indicator System



|                        |
|------------------------|
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| Who We Are             |
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| Get Involved           |
| Communications         |
| Testimonials           |
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# BCI Website

## ● Birth Certificate Accuracy Improvement



### Birth Certificate Initiative (BCI)

Birth certificates are an invaluable source of information for assessing risks and quality of maternal and infant health outcomes. Hospitals and researchers use these data to ascertain where improvement is needed and where hospitals are succeeding in ensuring the optimal birth and health outcomes for mothers and babies. Without complete and accurate data, this is not feasible.



BCI's purpose is to improve the accuracy of birth certificate reporting for health care quality improvement and public health purposes. Based on a recent pilot with nine hospitals, BCI improved birth certificate reporting in a simple, worthwhile fashion.

The current phase of this initiative launched off in July 2018.



Tools



Webinars and Training

# Comments? Questions?



# Acknowledgements



# Thank you!

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