

RIVERS



2018 Rhode Island Vital Events Registration System (RIVERS) Resident Obstetrician Training June 21, 2018

Presented By

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Training Agenda:



- RIVERS: Overview
- Expectations
- Login
- Certification Process
- Labor & Delivery
 - Overview
 - Creating a New Record
- The Difference You Make
- Assistance

RIVERS: Overview



- **RIVERS is a Web-based system**

- <https://rivers.health.ri.gov/RIVERS/welcome.htm>
- Access from any web enabled device

- **Supporting Browsers**

- Internet Explorer, Firefox and Safari supported
- Chrome browser not supported

- **Collaborative Effort**

- Physicians
- NB Screening staff
- Medical Records Staff

- **Data Collected**

- **Legal Data** - Used to register live births that occurred in the state of Rhode Island
- **Statistical Data** - Shared with CDC/NCHS, various State health programs, as well as local, state and federal agencies

Expectations



Information Collected

- Medical Risk Factors
- Infections
- Method of Delivery
- Obstetric Procedures
- Gestational Age Calculation
- Onset of Labor
- Characteristics of Labor & Delivery
- Maternal Morbidity

RI General Law Section 23-3-10



- Physicians in attendance shall certify to the facts of birth and provide the medical information required on the birth certificate within three (3) days after the birth.
- Medical Records will file a certificate of birth for each live birth that occurs in this state with the State Registrar of vital records within four (4) days.

RIVERS Login



Login to the system by selecting login button or hyperlink

The screenshot shows the RIVERS login page. At the top left is the Rhode Island Department of Health logo and the text "RHODE ISLAND DEPARTMENT OF HEALTH, OFFICE OF VITAL RECORDS". At the top right is the "GENESIS" logo. On the left side, there is a "Log on to:" dropdown menu with "RIVERS" selected and a "Login" button. In the center, there is a banner image of a city skyline. Below the banner, the text reads "Welcome to the Rhode Island Vital Events Registration System!". Further down, it says "Welcome to the 'Rhode Island Vital Events Registration System' (RIVERS)" and "RIVERS is the vital records registration and issuance software that was developed for Rhode Island Department of Health (DOH), State Office of Vital Records by Genesis System, Inc." Below this, there are two hyperlinks: "Log on to RI Vital Events Registration System" and "Report RIVERS Issue(s)". At the bottom center, there is a large, faint seal of the State of Rhode Island and Providence Plantings, featuring an anchor and the year "1636". At the bottom right, there is a small "GENESIS" logo and the text "©2013 Genesis Systems, Inc.".

Initial Login



- Enter User Name
- Enter Temporary Password
- Select Log In or Enter Key



LOGIN

User Name:

Password:

[Log In](#)

WARNING!

BY ACCESSING AND USING THE DEPARTMENT OF HEALTH REGISTRATION SYSTEM YOU ARE CONSENTING TO SYSTEM MONITORING FOR LAW ENFORCEMENT AND OTHER PURPOSES. UNAUTHORIZED USE OF OR ACCESS TO THIS COMPUTER SYSTEM MAY SUBJECT YOU TO STATE AND FEDERAL CRIMINAL PROSECUTION AND PENALTIES, AS WELL AS CIVIL PENALTIES.

Change Password

Old Password:

New Password:

Confirm New Password:

[Reset](#) [Save](#)

WARNING!

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- Enter Temporary (Old) Password
- Create a New Password
- **Must be at least 8 characters and contain a capital letter, a number and a symbol (@\$%#!*)**
- Select SAVE to save new password
- Select RESET to clear all fields

Select Location



Select the location where the birth occurred. Then, select OK or use ENTER key

The screenshot shows the web application interface for the Rhode Island Department of Health, Office of Vital Records. The page has a blue header with the department's logo and name on the left, and a user greeting "Welcome, catherine!" and "Location:" on the right. A yellow message box in the center contains the following text:

5/18/2015 1:21:15 PM

Message:
Welcome to Rivers

If your password needs to be reset or if you need assistance in registering a birth record, please contact Catherine Drance, Birth Registration Supervisor at (401)222-5165

If you reach our voice mail messaging system and need immediate assistance, please press zero or call (401) 222-2813 to speak with someone in the office.

Public health data for public health programs starts with you.....
Thanks for all you do!

Below the message box is a "Select Location:" dropdown menu with the following options:

- KENT COUNTY MEMORIAL HOSPITAL
- LANDMARK MEDICAL CENTER (WOONSOCKET)
- MEMORIAL HOSPITAL OF RI
- NEWPORT HOSPITAL
- RHODE ISLAND DEPARTMENT OF HEALTH
- RHODE ISLAND HOSPITAL
- SOUTH COUNTY HOSPITAL
- WOMEN AND INFANTS HOSPITAL OF RI

The footer of the page contains the following information:

©2013, Genesis Systems, Inc. | Current Date: 10-Jun-2015 | Build Number: 1.0.0.0

Certification

Certification Work Queue



From the Home Screen
Select:

- Birth Module
- Functions
- Certification Work Queue

A screenshot of the software interface for the Rhode Island Department of Health, Office of Vital Records. The interface has a light blue header with the text "RHODE ISLAND DEPARTMENT OF HEALTH, OFFICE OF VITAL RECORDS". Below the header, there are two tabs: "GLOBAL" and "BIRTH". The "BIRTH" tab is selected. A menu is open under the "Functions" dropdown, showing options: "Labor and Delivery", "Certification Work Queue" (which is highlighted), "Switch Location", and "Exit Application". The main content area is white and features a large circular logo of the Rhode Island Department of Health. Below the logo, the text reads: "newcert, Welcome to the Rhode Island Vital Records System-Office of Vital Records!".

RHODE ISLAND DEPARTMENT OF HEALTH, OFFICE OF VITAL RECORDS

GLOBAL | BIRTH

Functions Tools Help

- Labor and Delivery
- Certification Work Queue
- Switch Location
- Exit Application

RHODE ISLAND DEPARTMENT OF HEALTH

newcert, Welcome to the Rhode Island Vital Records System-Office of Vital Records!

Certification

Certification Work Queue



Select:

- Certifier Name
- Certifier Name may not appear if the Certifier is new and his/her name was not added
- Enter PIN (*PIN is issued from Medical Records at WIH. It's different than RIVERS password*)

RHODE ISLAND DEPARTMENT OF HEALTH, OFFICE OF VITAL RECORDS

GLOBAL BIRTH FETAL DEATH

Functions Process

EBR: Unresolved Work Queue Filter

ELECTRONIC CERTIFICATION

Help tips

Unresolved

OB Medical Items

Delivery Information

ACTIVITY:

Field Name:

Field Status:

Action: Default Mode

Medical Risk Factors

Infections and Method of Delivery

Obstetric Procedures

Characteristics of Labor & Delivery

Maternal Morbidity

Diabetes (select one of the following)

Prepregnancy (diagnosed before pregnancy)

Gestational (diagnosed during pregnancy)

Hypertension (select one of the following)

Prepregnancy (chronic)

Gestational (PIH, pre-eclampsia)

Eclampsia

Previous preterm birth

Other Previous poor pregnancy outcome (Includes perinatal death, small-for-gestational age/intrauterine growth restricted fetus)

Pregnancy resulted from infertility treatment(Check all that apply):

Fertility-enhancing drugs, artificial insemination, or intrauterine insemination

Assisted reproductive technology (e.g. In Vitro Fertilization (IVF), Gamete Intrafallopian Transfer(GIFT))

Mother had a previous cesarean delivery

Please login...

Certifier: --SELECT A VALUE--

PIN:

OK Cancel

Unresolved Work Queue



DEPARTMENT OF HEALTH, OFFICE OF VITAL RECORDS

Welcome, ritester! Location: WOMEN AND INFANTS HOSPITAL OF RI

LogOut

ELECTRONIC CERTIFICATION

Unresolved Work Queue Filter: Uncertified

Unresolved Work Queue: -Select a value- X 3

D'ANGELO (M), DE LEON SPACE (...)
PATERNITY (M), PAULSON PATER...
WHITE (M), WHITE HAPPY (C), O...

Unresolved Medical Risk Factors Infections and Method of Delivery Obstetric Procedures Characteristics of Labor & Delivery Maternal Morbidity

OB Medical Items

RISK FACTOR IN THIS PREGNANCY (CHECK ALL THAT APPLY)

Diabetes (select one of the following):

- Prepregnancy (diagnosis prior to this pregnancy)
- Gestational (diagnosis in this pregnancy)

Hypertension (select one of the following):

- Prepregnancy (chronic)
- Gestational (PIH, preeclampsia)
- Eclampsia
- Previous preterm birth
- Other Previous poor pregnancy outcome (Includes perinatal death, small-for-gestational age/intrauterine growth restricted birth)

Pregnancy resulted from infertility treatment(Check all that apply):

- Fertility-enhancing drugs, artificial insemination, or intrauterine insemination
- Assisted reproductive technology (e.g. In Vitro Fertilization (IVF), Gamete Intrafallopian Transfer(GIFT))
- Mother had a previous cesarean delivery

If selected, how many?

- None

- Filter defaults to Uncertified
- Select mother From drop down
- Record may not appear if the record was not created prior to certifier review.

OB Medical Items



➤ Be sure to enter data for all **5 tabs** (Check all that apply)

1. *Medical Risk Factors*
2. *Infections and Method of Delivery*
3. *Obstetric Procedures*
4. *Characteristics of Labor and Delivery*
5. *Maternal Morbidity*

➤ Press **“Tab Key”** after all entries

The screenshot shows a web-based form for "OB Medical Items". At the top, there are five tabs: "Unresolved", "Medical Risk Factors", "Infections and Method of Delivery", "Obstetric Procedures", "Characteristics of Labor & Delivery", and "Maternal Morbidity". The "Medical Risk Factors" tab is currently selected. Below the tabs, there is a section titled "OB Medical Items" with a sub-header "RISK FACTOR IN THIS PREGNANCY (CHECK ALL THAT APPLY)". The form contains several sections of checkboxes:

- Diabetes (select one of the following):**
 - Prepregnancy (diagnosis prior to this pregnancy)
 - Gestational (diagnosis in this pregnancy)
- Hypertension (select one of the following):**
 - Prepregnancy (chronic)
 - Gestational (PIH, preeclampsia)
 - Eclampsia
- Previous preterm birth
- Other Previous poor pregnancy outcome (Includes perinatal death, small-for-gestational age/intrauterine growth restricted birth)
- Pregnancy resulted from infertility treatment (Check all that apply):**
 - Fertility-enhancing drugs, artificial insemination, or intrauterine insemination
 - Assisted reproductive technology (e.g. In Vitro Fertilization (IVF), Gamete Intrafallopian Transfer (GIFT))
 - Mother had a previous cesarean delivery
- None

At the bottom of the form, there are three buttons: "Previous", "Save", and "Next".

Medical Risk Factors



Medical Risk Factors

Infections and Method of Delivery

Obstetric Procedures

Characteristics of Labor & Delivery

Maternal Morbidity

RISK FACTOR IN THIS PREGNANCY (CHECK ALL THAT APPLY)

Diabetes (select one of the following):

- Prepregnancy (*diagnosis prior to this pregnancy*)
- Gestational (*diagnosis in this pregnancy*)

Hypertension (select one of the following):

- Prepregnancy (*chronic*)
- Gestational (*PIH, preeclampsia*)
- Eclampsia
- Previous preterm birth
- Other Previous poor pregnancy outcome (*Includes perinatal death, small-for-gestational age/intrauterine growth restricted birth*)

Pregnancy resulted from infertility treatment(*Check all that apply*):

- Fertility-enhancing drugs, artificial insemination, or intrauterine insemination
- Assisted reproductive technology (*e.g. In Vitro Fertilization (IVF), Gamete Intrafallopian Transfer(GIFT)*)
- Mother had a previous cesarean delivery
If selected, how many?
- None

Infections and Method of Delivery



Unresolved

Medical Risk Factors | Infections and Method of Delivery | Obstetric Procedures | Characteristics of Labor & Delivery | Maternal Morbidity

OB Medical Items

Delivery Information

ACTIVITY:

Field Name:
Field Status:
Action:
Default Mode

METHOD OF DELIVERY

Fetal presentation at birth? --Select a value--

Final route & method of delivery? --Select a value--

If cesarean, was a trial of labor attempted? --Select a value--

INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY

Gonorrhea

Syphilis

Chlamidia

Hepatitis B

Hepatitis C

None of the above

Fetal presentation options:

- Cephalic
- Breech
- Other

Final Route/Method options:

- Vaginal
 - Spontaneous
 - Forceps
 - Vacuum
- Cesarean
 - Trial labor attempted?

If Cesarean, was a trial of labor attempted?

- Yes
- No

Obstetric Procedures, Gestational Age Calculation and Onset of Labor



Unresolved Medical Risk Factors Infections and Method of Delivery **Obstetric Procedures** Characteristics of Labor & Delivery Maternal Morbidity

OB Medical Items

OBSTETRIC PROCEDURES **GESTATIONAL AGE CALCULATION**

OB Medical Items Obstetric Procedures (check all that apply): Gestational Age (check all that apply):

Delivery Information

ACTIVITY:
(Obstetric Procedures)
Cervical cerclage:
false

Field Status:
Unresolved

Action:
Updating Record

Cervical cerclage

Tocolysis

External cephalic version:
 Successful
 Failed

None of the above

LMP

Physical Exam

Ultrasound (1st Trimester)

Ultrasound (2nd Trimester)

Other

ONSET OF LABOR

Onset of Labor (check all that apply):

Premature Rupture of the membranes (*prolonged greater than or equal to 12 hours*)

Precipitous Labor (*less than 3 hours*)

Prolonged Labor (*greater than or equal to 20 hours*)

None of the above

Characteristics of Labor & Delivery



Unresolved

Medical Risk Factors Infections and Method of Delivery Obstetric Procedures **Characteristics of Labor & Delivery** Maternal Morbidity

OB Medical Items

Delivery Information

ACTIVITY:

Induction of Labor: **false**

Field Status: **Unresolved**

Action: **Updating Record**

CHARACTERISTICS OF LABOR & DELIVERY

- Induction of labor**
 - Augmentation of labor
 - Steroids(*glucocorticoids*) for fetal lung maturation received by the mother prior to delivery
 - Antibiotics received by mother during labor
 - Clinical chorioamnionitis diagnosed during labor or maternal temperature is greater than or equal to 38°C(100.4°F)
 - Moderate /heavy meconium staining of the amniotic fluid
 - Fetal intolerance of labor such that one or more of the following action was taken: in-utero resuscitative measures, further fetal assessment, or operative delivery
 - Epidural or spinal anesthesia during labor
 - None of the above

Maternal Morbidity



Unresolved

Medical Risk Factors Infections and Method of Delivery Obstetric Procedures Characteristics of Labor & Delivery **Maternal Morbidity**

OB Medical Items

Delivery Information

ACTIVITY:

Maternal transfusion: **false**

Field Status: **Unresolved**

Action: **Updating Record**

MATERNAL MORBIDITY

Complication associated with labor and delivery (check all that apply):

- Maternal transfusion**
- Third or fourth degree perineal laceration
- Ruptured uterus
- Unplanned hysterectomy
- Admission to intensive care unit
- Unplanned operating room procedure following delivery
- None of the above

← Previous **Save** **Next →**

Delivery Information



“Unresolved fields marked in **YELLOW**”

- Verify/Complete Delivery Information
- Select Save
- Select Certify

The screenshot shows a web-based form for entering delivery information. The form is divided into several sections: CHILD'S INFORMATION, MOTHER'S INFORMATION, and CERTIFIER INFORMATION. The 'Unresolved' status is indicated by a yellow background for the Pounds, Ounces, and Grams fields. The 'Certify' button is highlighted with a blue arrow from the instructions box.

Unresolved

OB Medical Items

Delivery Information

ACTIVITY:
(Maternal Morbidity)
None of the above:
true
Field Status:
Resolved
Action:
Updating Record

CHILD'S INFORMATION

*Plurality: SINGLE
First Name: SPACE
Suffix: --SELECT A VALUE--
Time of Birth: 11:11 MILITARY
Place of Birth: WOMEN AND INFANTS HOSPITAL OF RI
Pounds: [Yellow]
Ounces: [Yellow]
Grams: [Yellow]

Birth Order: SINGLE DELIVERY
*Last Name: DE LEON
*Date Of Birth: 04/20/2015
Sex: FEMALE

MOTHER'S INFORMATION

*Medical Record Number: 000468465168
Mother's First Name (Delivery): BARBARA
*Mother's Last Name (Delivery): D'ANGELO

CERTIFIER INFORMATION

First Name: BOTH
Middle Name: [Empty]
Last Name: CERT ATTEND

Certify Exit

← Previous Save Next →

Certify the Record



Certification

CHILD'S INFORMATION

Plurality:	SINGLE
Birth Order:	SINGLE DELIVERY
First Name:	SPACE
Middle Name:	
Last Name:	DE LEON
Suffix:	
Date of Birth:	04/20/2015
Time of Birth:	11:11
Sex:	FEMALE
Place of Birth:	WOMEN AND INFANTS HOSPITAL OF RI
Child's Weight (Grams):	3856

MOTHER'S INFORMATION

Medical Record Number:	000468465168
First Name (Delivery):	BARBARA
Last Name (Delivery):	D'ANGELO

CERTIFIER INFORMATION

First Name:	BOTH
Middle Name:	
Last Name:	CERT ATTEND

Cancel Certification

Certification Screen will appear

- Verify information
- Select '**Certification**' button

Certify the Record



CERTIFIER INFORMATION

First Name: BOTH
Middle Name:
Last Name: CERT ATTEND

Cancel Certification

PLEASE ENTER PIN

To the best of my knowledge, birth occurred at the time, date, and place, and due to the cause(s) and manner stated.

Current Certifier Pin:

Ok Cancel

➤ Check attestation checkbox

➤ Enter Pin

➤ Select OK

After certification, answer 'yes' to prompt:
"Are you sure?"
and Wait for prompt:
"Record Successfully Certified"

Labor & Delivery Screen: Overview



From Home screen:

- Select Functions
- Labor and Delivery

- Similar Screen to Certification Work Queue
- Has the ability to certify as well as to start a new record
- Attendant/Certifier fields

A screenshot of the Rhode Island Department of Health, Office of Vital Records web application. The page title is "RHODE ISLAND DEPARTMENT OF HEALTH, OFFICE OF VITAL RECORDS". The navigation bar includes "GLOBAL" and "BIRTH" tabs. A dropdown menu is open under "Functions", showing options: "Labor and Delivery", "Certification Work Queue", "Switch Location", and "Exit Application". The main content area features the Rhode Island Department of Health logo and a personalized welcome message: "ana aldave, Welcome to the Rhode Island Vital Records System-Office of Vital Records!".

RHODE ISLAND DEPARTMENT OF HEALTH, OFFICE OF VITAL RECORDS

GLOBAL | BIRTH

Functions Tools Help

- Labor and Delivery
- Certification Work Queue
- Switch Location
- Exit Application

RHODE ISLAND DEPARTMENT OF HEALTH

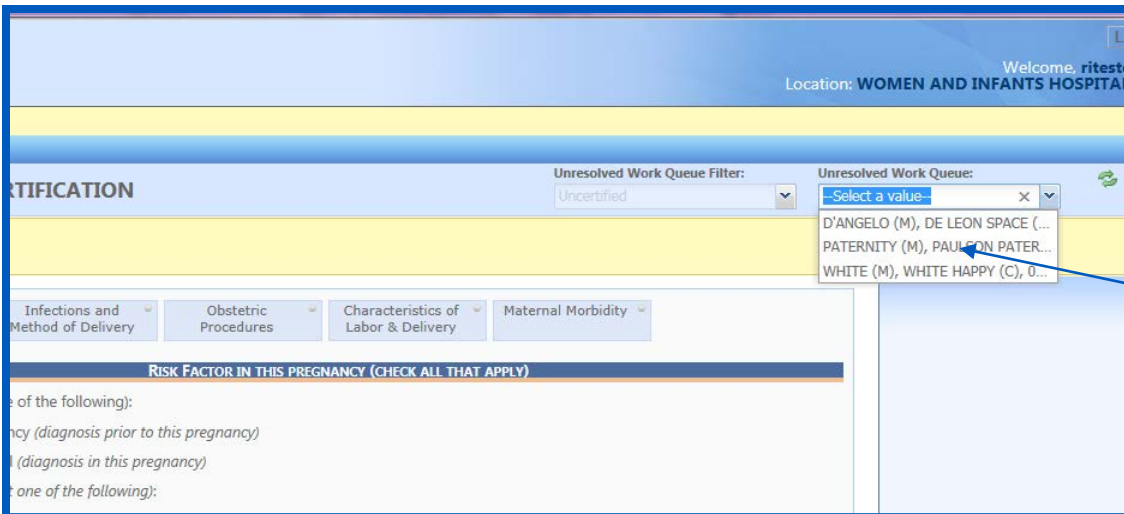
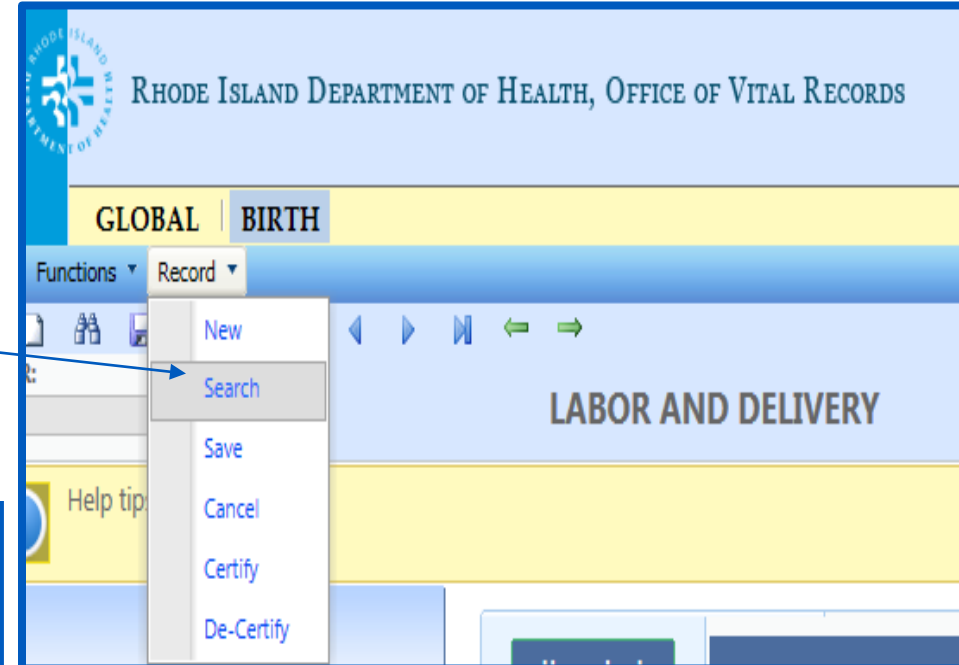
ana aldave, Welcome to the Rhode Island Vital Records System-Office of Vital Records!

Obtaining Existing Patient Record



Select a record by using Search or Unresolved Work Queue

Search



Unresolved Work Queue

Data Entry & Certification



➤ Certification Screen:

- Record
- Certify

➤ Verify/Complete:

- OB Information
- Delivery Information

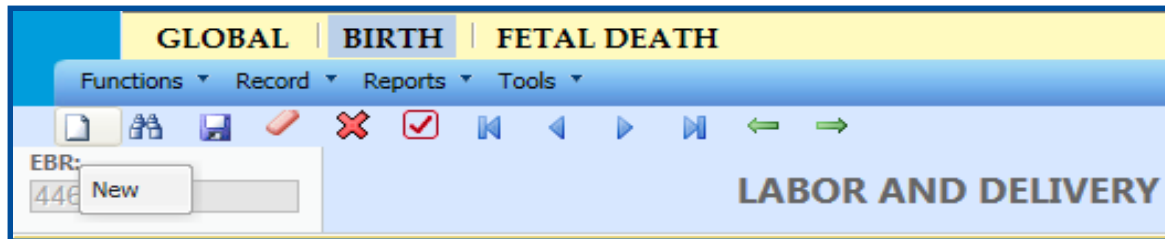
The screenshot shows the web interface for the Rhode Island Department of Health, Office of Vital Records. The page is titled "GLOBAL | BIRTH" and "LABOR AND DELIVERY". A "Record" dropdown menu is open, showing options: New, Search, Save, Cancel, Certify (highlighted), and De-Certify. The interface includes a navigation bar with "Functions" and "Record" menus, and a main content area with a "Record" button and a "Certify" button. The "Certify" button is highlighted. The interface also displays a "Delivery Information" section with a "Mother's First Name" field containing "MOTHER" and a "Date of Birth" field. The "OB Medical Items" section is also visible. The background features a graphic of a birth certificate.

Create New Record



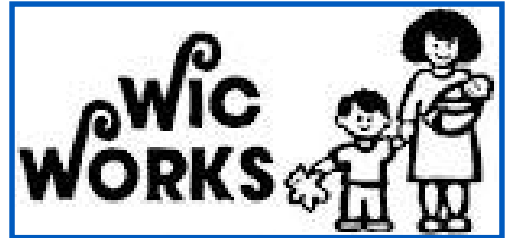
Search Record to ensure it has not been created

- Select *New* icon OR go to Functions, then Select *New*



- Fill in all OB items and Delivery Information
- Select Attendant & Certifier
- Select *SAVE*
- Proceed to certification
- Items required to save – DOB, MRN, Record Type, Mom's last name, Plurality & # of births

Why Birth Certificate?



Why Birth Data?



➤ For Your State and Government (National & Local):

- Safety, Health and Welfare of The Public
- National Center for Health Statistics (NCHS) & Center for Disease Control (CDC)
- RI Health Department & Partners:
 - Newborn Screening
 - Brown University Infant Speech Program
 - Pregnancy Risk Assessment Program (PRAMS)
 - Pre-maturity Task Force (DOH, DHS, CNE, Brown University,...)
 - Low Birth Weight Review
- Funding Grants & Research



Need Help?



Electronic Birth Registration Help
Contact *The Office of Vital Records:*
(401) 222-2813
M-F 7:30-3:30



Questions?



Ana C. Tack

Birth & Fetal Death Registration Manager

(401) 222 - 5165

Ana.Tack@health.ri.gov

www.health.ri.gov



Thank You