

CCHD Quick Start Guide

More information and resources at cchd.pqenc.org

INTRODUCTION

The North Carolina State Legislature passed Session Law 2013-15 to expand the Newborn Screening program established by the Department of Health and Human Services to include newborn screening for critical congenital heart defects (CCHD) utilizing pulse oximetry. As a result, of this legislation, public health rules requiring CCHD screening of every neonate and required reporting of data related to CCHD screening went into effect on July 25, 2014.

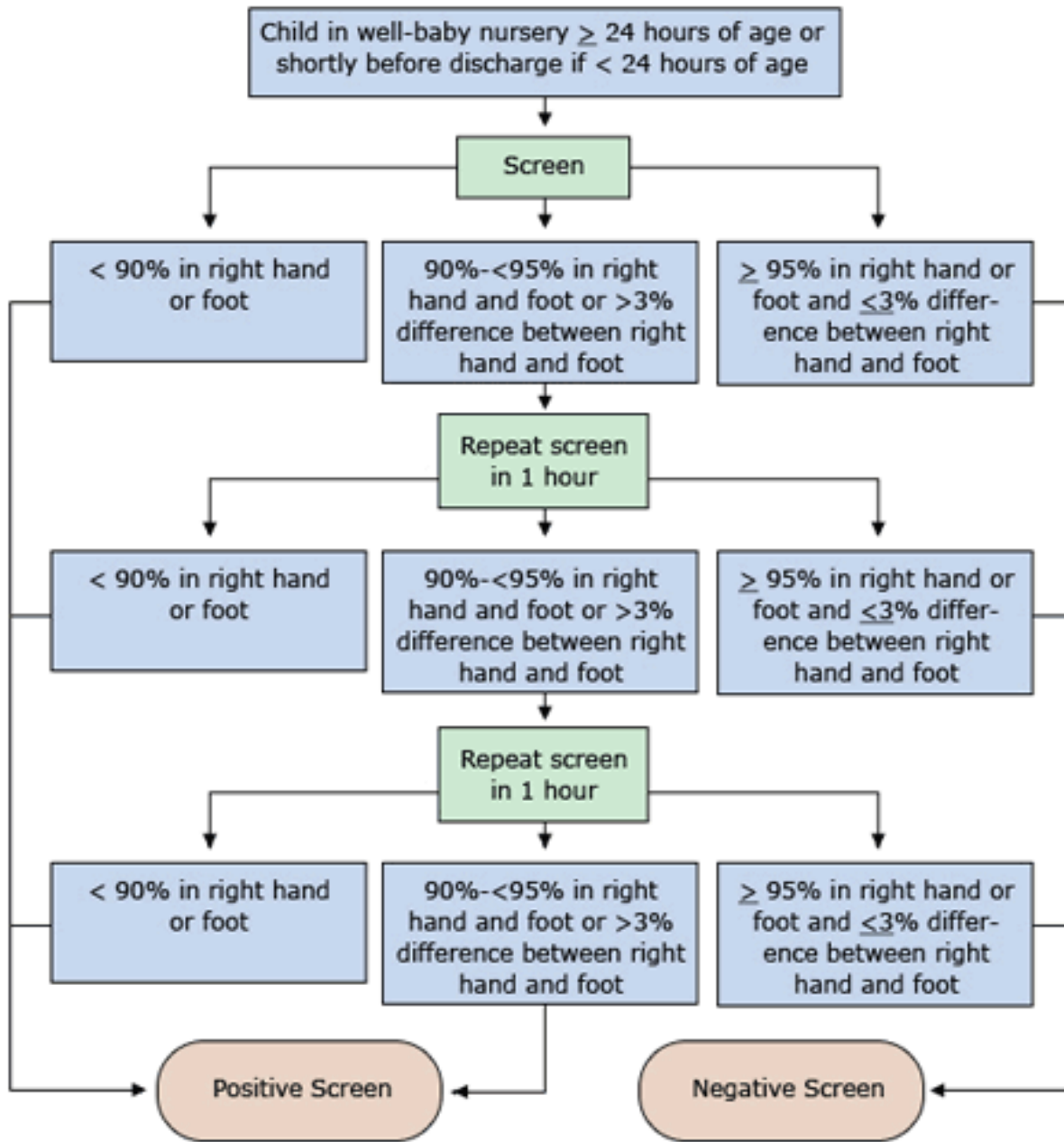
Reporting requirements about CCHD screening are now in effect in order to allow for mandated data collection for public health surveillance of CCHD through the NC Birth Defects Monitoring Program. All medical facilities and health care providers who perform CCHD screenings on neonates and infants will be required to electronically report specific data elements about those neonates and infants with positive or failed screenings. These medical facilities and health care providers will also be required to report aggregate data elements related to CCHD screening of neonates and infants.

The Perinatal Quality Collaborative of NC has developed this database to handle the reporting requirements for CCHD – This document will guide you through the process of setting up your facility account and entering and submitting data to the NC Birth Defects Monitoring Program data.

In addition, PQCNC has numerous resources related to screening, evaluation, and other CCHD related materials available at the **RESOURCES** tab at cchd.pqenc.org - PQCNC will also soon offer hospitals, birthing centers, midwives and other community health care providers the opportunity to participate in a free quality improvement learning collaborative about CCHD screening processes.



SCREENING PROTOCOL



Printable/sharable versions of this algorithm are available online at the **RESOURCES** tab at cchd.pqcnc.org



QUARTERLY DATA FORM



CCHD Quarterly Reporting Required Data Elements



Facility ID _____

(Total unduplicated count of)

1. Neonates who were screened _____
2. Positive Screens _____
3. Negative screens _____
4. Neonates whose parents or guardians objected to the CCHD screening _____
5. Live births, if the report is being submitted by a medical facility _____
6. Transfers into the facility, not previously screened _____
7. Total neonates not screened _____

(The following items must add up to the "Total neonates not screened")

- ECHO completed _____
- transfer out of the facility _____
- NICU complications _____
- missed screening _____
- death _____
- other _____
- not yet >= 24 hours _____

(NOTE: "not yet >= 24 hours" is for that rare case where the infant is not yet 24 hours on the day you are doing the quarterly totals - this is a mathematical exception, not an exception to the rule that all infants MUST be screened)



More info at cchd.pqcnc.org

Printable/sharable versions of the **Quarterly form** are available online at the **RESOURCES** tab at cchd.pqcnc.org



POSITIVE SCREENING FORM



CCHD Number _____
 Date of Birth ____/____/____
 Time of Birth _____
 Gestational Age at Birth _____ weeks
 Date of Screening _____
 Age at Screen _____ hours/days

Initial Screening:

Time _____
 Pulse Ox Saturation of Right Hand _____ %
 Pulse Ox Saturation of Foot _____ %
 Difference in Oxygen Saturation (Right Hand – Foot) _____ %
 _____ N/A (See Note Below) _____ PASS _____ FAIL _____ Parental Refusal

Second Screening (If Indicated):

Perform 1 hour after the initial screening if baby fails initial screen due to pulse ox readings of 90 – 94% or if >3% difference in oxygen saturation between extremities.

Time: _____
 Pulse Ox Saturation of Right Hand _____ %
 Pulse Ox Saturation of Foot _____ %
 Difference in Oxygen Saturation (Right Hand – Foot) _____ %
 _____ N/A _____ PASS _____ FAIL

Third Screening (If Indicated):

Perform 1 hour after the second screening if baby fails second screen due to pulse ox readings of 90 – 94% or if >3% difference in oxygen saturation between extremities.

Time: _____
 Pulse Ox Saturation of Right Hand _____ %
 Pulse Ox Saturation of Foot _____ %
 Difference in Oxygen Saturation (Right Hand – Foot) _____ %
 _____ N/A _____ PASS _____ FAIL

Final Screening Results:

_____ PASS _____ FAIL

Screen N/A _____ Due To _____

Screening and Follow-Up:

- Screen all eligible newborns after 24 hours of age and prior to discharge.
- Screen Not Applicable if CCHD has been ruled out or diagnosed with an Echocardiogram. Do not screen while on oxygen support.
- If oxygen saturation is 95% or greater in the RH or Foot and there is a 3% or less difference between RH and Foot during any screening this is considered a Passed or Negative Screen.
- If oxygen saturation is < 90% in either the RH or Foot during any screening this is a Failed or Positive Screen: Nurse to perform an assessment, continue monitoring and notify the physician immediately for follow-up plan.
- If oxygen saturations are between 90 – 94% in both the RH and Foot and there is a >3% difference between the RH and Foot the nurse will perform an assessment, notify the physician and plan for a repeat screen in 1 hour. If results are the same on the second screen perform a third screen in 1 hour; if readings persist on the third screen this is considered a Failed or Positive Screen: Notify the physician of final screening results and initiate F/U.

More info at cchd.pqcnc.org

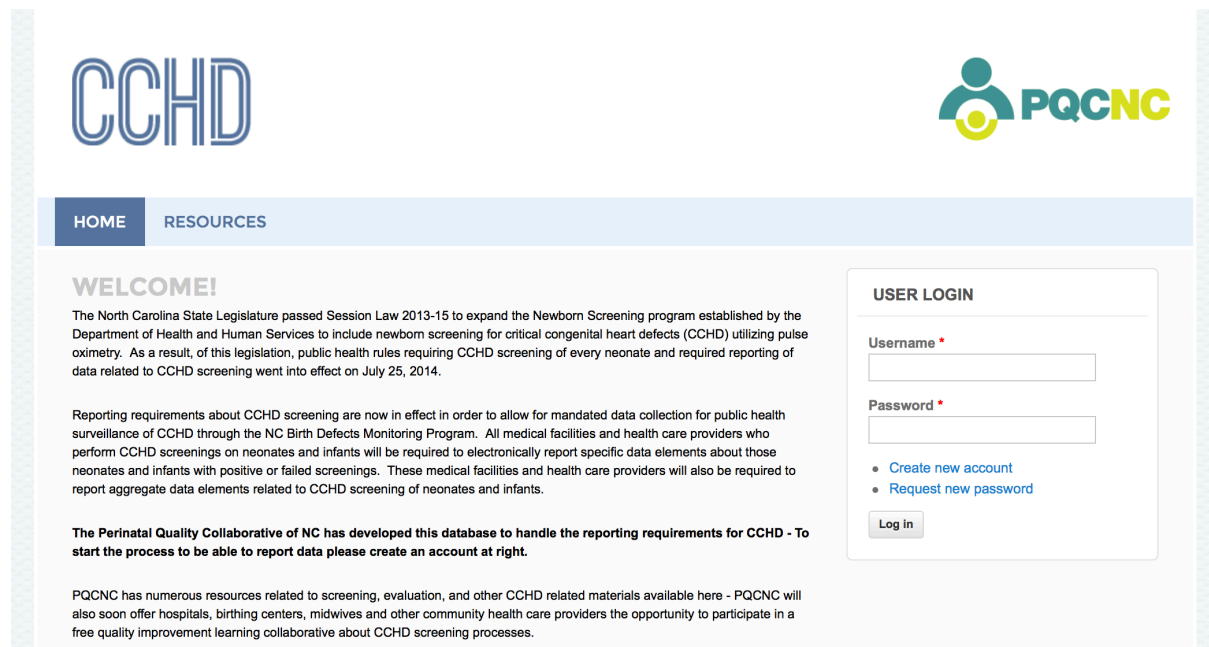


Printable/sharable versions of the **Positive Screening form** are available online at the **RESOURCES** tab at cchd.pqcnc.org



CREATING AN ACCOUNT

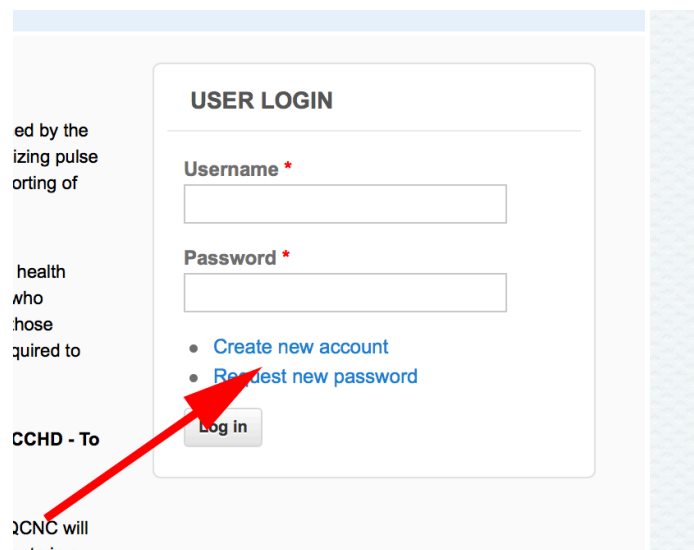
1) Go to cchd.pqcnc.org



The screenshot shows the CCHD website homepage. At the top left is the CCHD logo, and at the top right is the PQCNC logo. Below the logos is a navigation bar with 'HOME' and 'RESOURCES' tabs. The main content area is titled 'WELCOME!' and contains several paragraphs of text. On the right side, there is a 'USER LOGIN' box with the following elements:

- USER LOGIN** (title)
- Username *** (label) with an input field
- Password *** (label) with an input field
- Two links: [Create new account](#) and [Request new password](#)
- Log in** (button)

2) In the **USER LOGIN** box click on **Create new account**



This is a close-up view of the 'USER LOGIN' box from the previous screenshot. A red arrow points from the bottom left towards the 'Create new account' link. The box contains:

- USER LOGIN** (title)
- Username *** (label) with an input field
- Password *** (label) with an input field
- Two links: [Create new account](#) and [Request new password](#)
- Log in** (button)

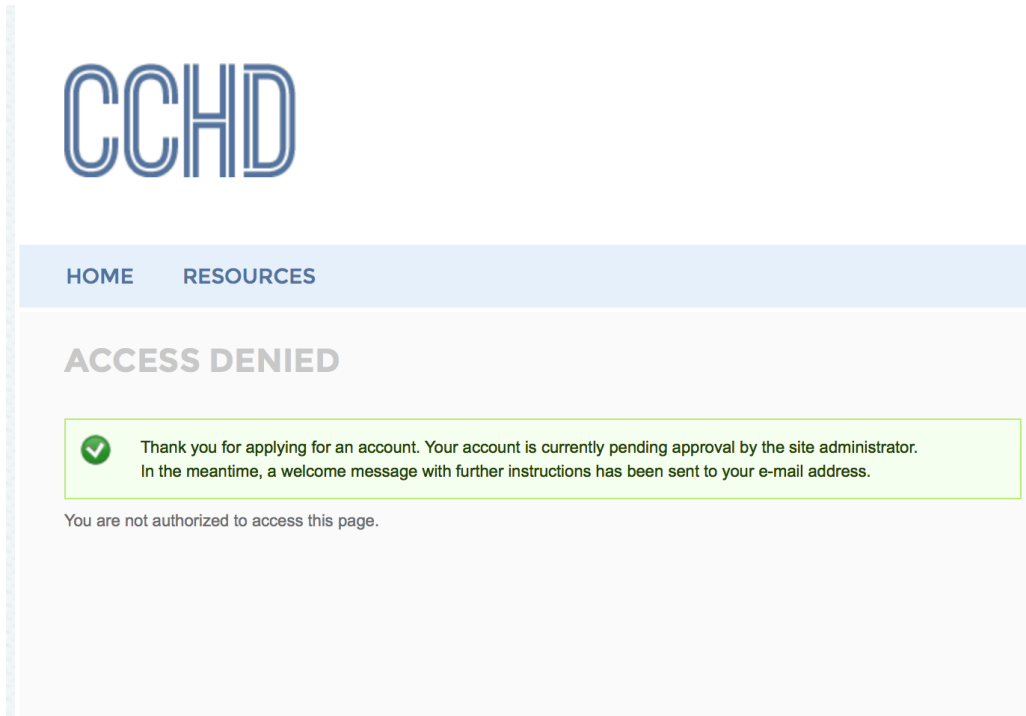


3) Complete the info required on both tabs and click **Create new account**

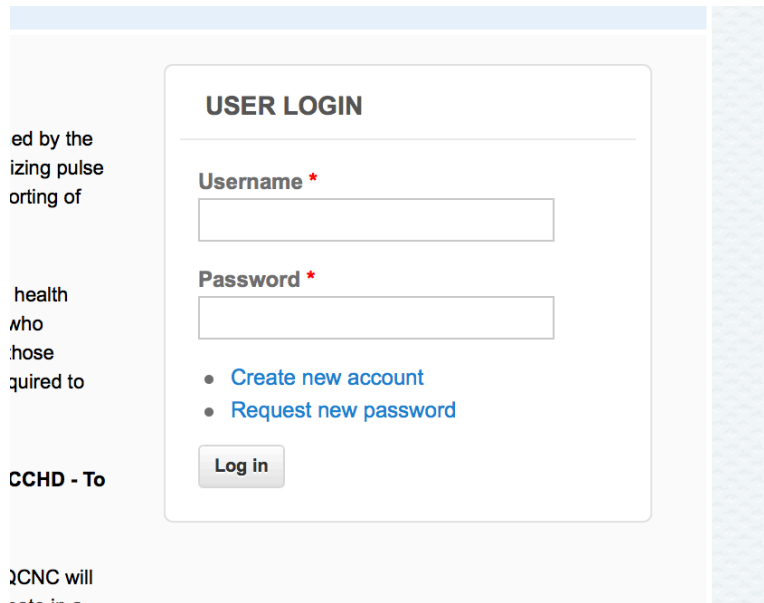
The screenshot shows the CCHD website's user account creation interface. At the top left is the CCHD logo. Below it is a navigation bar with 'HOME' and 'RESOURCES' links. A breadcrumb trail reads 'Home » User account » User account'. The main heading is 'USER ACCOUNT'. There are three tabs: 'Create new account' (highlighted in dark grey), 'Login', and 'request new password'. Below the tabs are two active tabs: 'Login Information *' and 'Contact Information *'. The 'Login Information *' tab contains two input fields: 'Username *' and 'E-mail address *'. The 'Username *' field has a note: 'Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes, and underscores.' The 'E-mail address *' field has a note: 'A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made by e-mail.' At the bottom of the form is a 'Create new account' button. Three red arrows originate from a single point at the top center and point to the 'Create new account' button, the 'Login Information *' tab, and the 'E-mail address *' field.



4) You will be directed to a confirmation screen

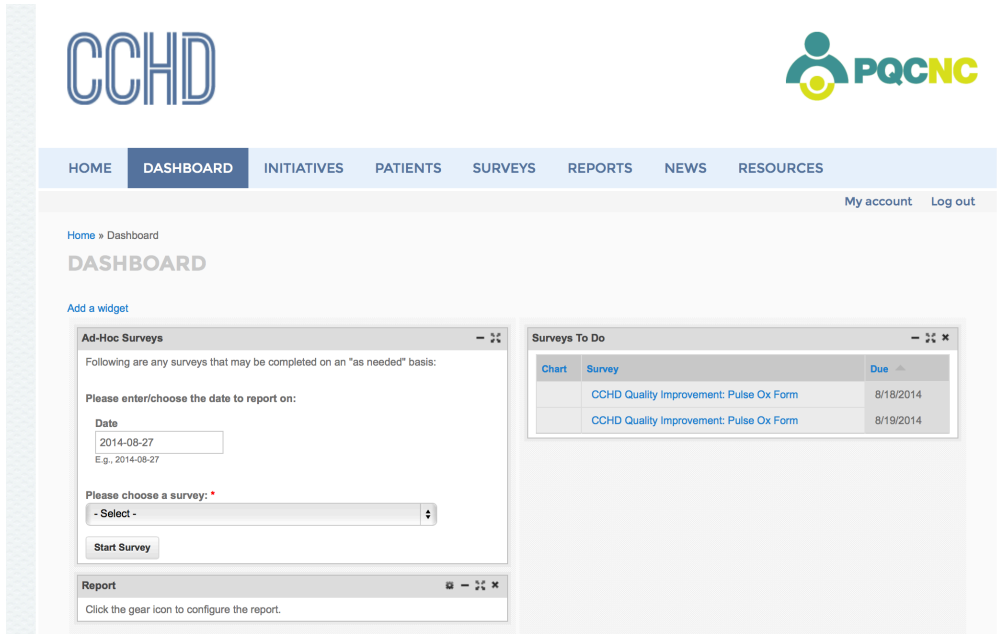


5) You will receive an email after your account is approved and will then be able to log in in the **USER LOGIN** box



ENTERING DATA

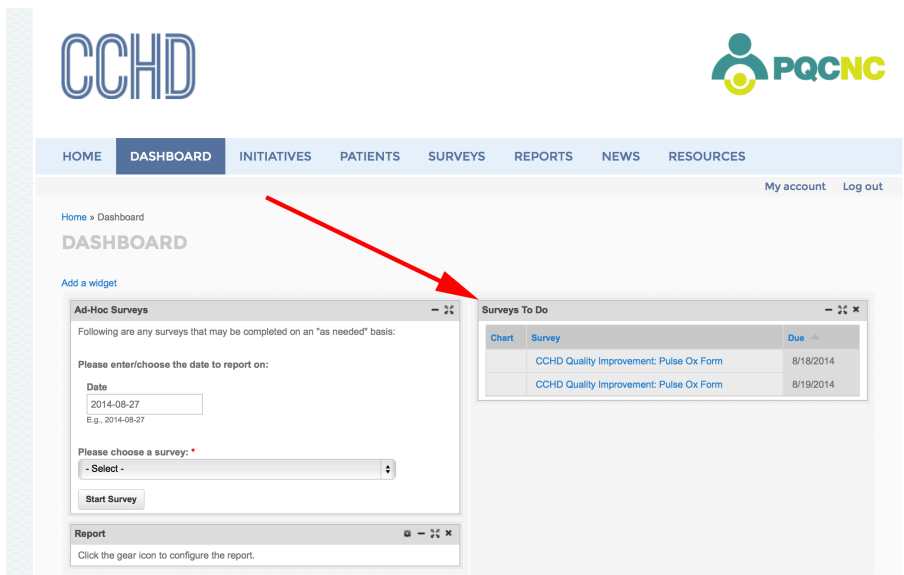
After you log in you will be taken to the **DASHBOARD**. The **DASHBOARD** is the screen where you will choose the forms to submit the required data



The screenshot shows the CCHD Dashboard interface. At the top left is the CCHD logo, and at the top right is the PQCNC logo. A navigation menu includes HOME, DASHBOARD (selected), INITIATIVES, PATIENTS, SURVEYS, REPORTS, NEWS, and RESOURCES. On the right side, there are links for 'My account' and 'Log out'. The main content area is titled 'DASHBOARD' and includes a 'Home » Dashboard' breadcrumb. Below this, there is a 'Add a widget' link. Two widgets are visible: 'Ad-Hoc Surveys' and 'Surveys To Do'. The 'Ad-Hoc Surveys' widget contains a form with a date field (set to 2014-08-27), a survey selection dropdown, and a 'Start Survey' button. The 'Surveys To Do' widget is a table with columns for 'Chart', 'Survey', and 'Due'.

Chart	Survey	Due
	CCHD Quality Improvement: Pulse Ox Form	8/18/2014
	CCHD Quality Improvement: Pulse Ox Form	8/19/2014

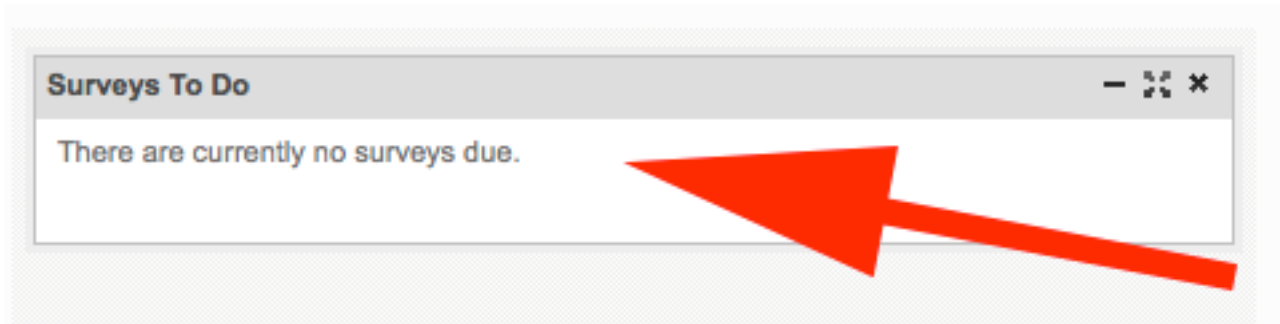
SUBMITTING YOUR QUARTERLY DATA. The quarterly data form will be available to submit in the **Surveys To Do** box on the first day following the end of each calendar quarter - April 1, July 1, October 1, and January 1. You will have 14 days to complete and submit the required information from the quarterly data form shown on page 3 of this guide.



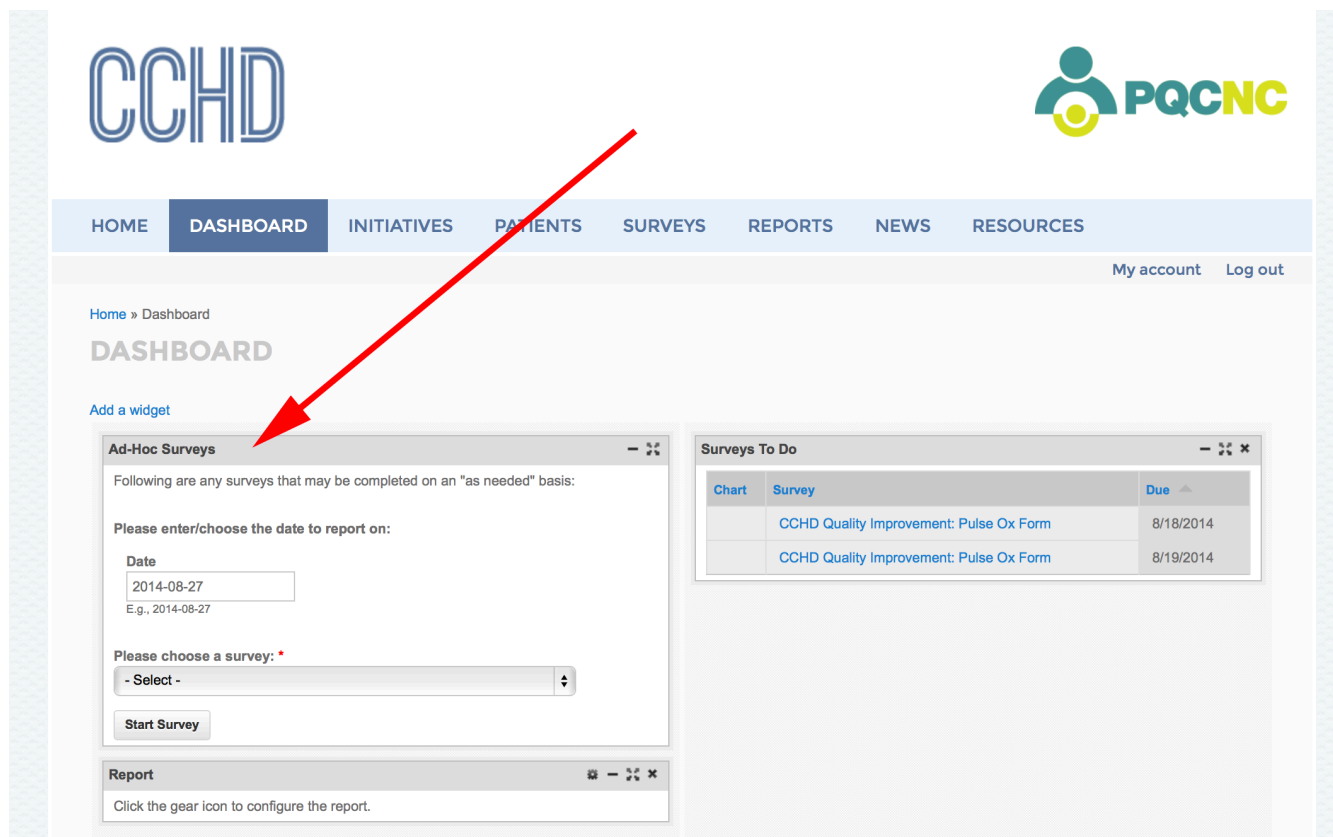
This screenshot is identical to the one above, but with a red arrow pointing from the 'Ad-Hoc Surveys' widget to the 'Surveys To Do' widget, highlighting the area where quarterly data forms are submitted.




The form will automatically appear in the **Surveys To Do** box on your **DASHBOARD** - if there are no forms currently due there will be no forms available in your **Surveys To Do** box



SUBMITTING A POSITIVE SCREENING FORM. Positive screens should be submitted as soon as they occur. As positive screens do not appear on a regular schedule they are referred to as **Ad-Hoc Surveys** and are available from your **DASHBOARD**



CCHD 

HOME **DASHBOARD** INITIATIVES PATIENTS SURVEYS REPORTS NEWS RESOURCES My account Log out

Home » Dashboard

DASHBOARD

Add a widget

Ad-Hoc Surveys

Following are any surveys that may be completed on an "as needed" basis:

Please enter/choose the date to report on:

Date

E.g., 2014-08-27

Please choose a survey: *

Report

Click the gear icon to configure the report.

Surveys To Do

Chart	Survey	Due
	CCHD Quality Improvement: Pulse Ox Form	8/18/2014
	CCHD Quality Improvement: Pulse Ox Form	8/19/2014



Ad-Hoc Surveys - ✕

Following are any surveys that may be completed on an "as needed" basis:

Please enter/choose the date to report on:

Date

E.g., 2014-08-27

Please choose a survey: *

- Select - ▾


Start Survey

1) Enter the date of the positive screen

Ad-Hoc Surveys - ✕

Following are any surveys that may be completed on an "as needed" basis:

Please enter/choose the date to report on:

Date
 
E.g., 2014-08-27

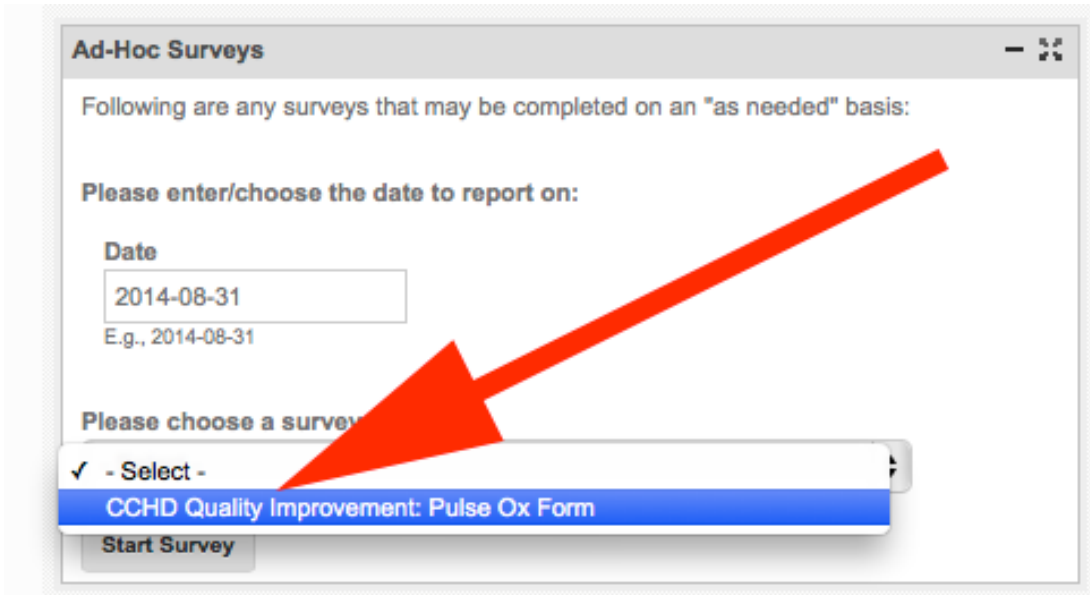
Please choose a survey: *

- Select - ▾

Start Survey



2) Select **CCHD Quality Improvement: Pulse Ox Form** from the list of surveys available to you



Ad-Hoc Surveys

Following are any surveys that may be completed on an "as needed" basis:

Please enter/choose the date to report on:

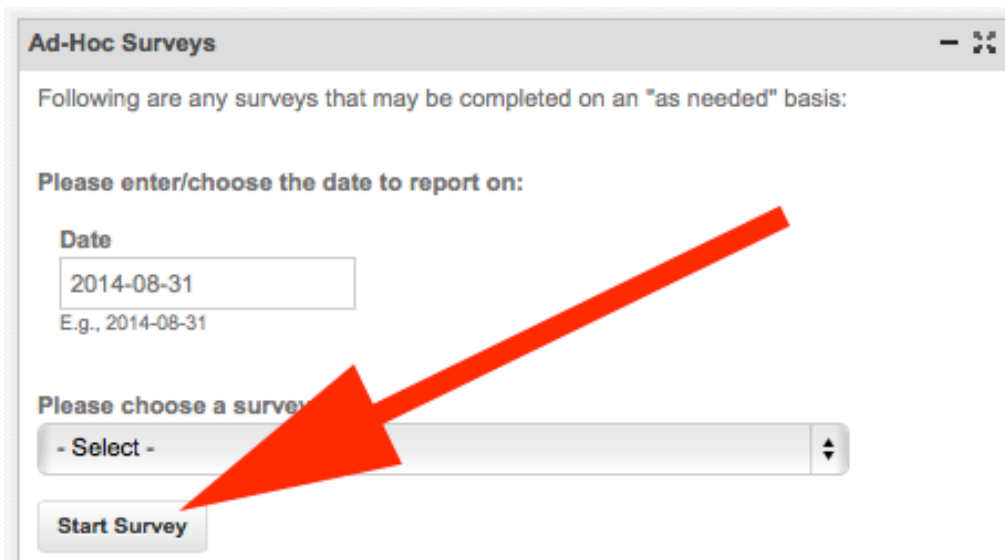
Date

 E.g., 2014-08-31

Please choose a survey:

- ✓ - Select -
- CCHD Quality Improvement: Pulse Ox Form**

3) Click on **Start Survey** and complete the requested data.



Ad-Hoc Surveys

Following are any surveys that may be completed on an "as needed" basis:

Please enter/choose the date to report on:

Date

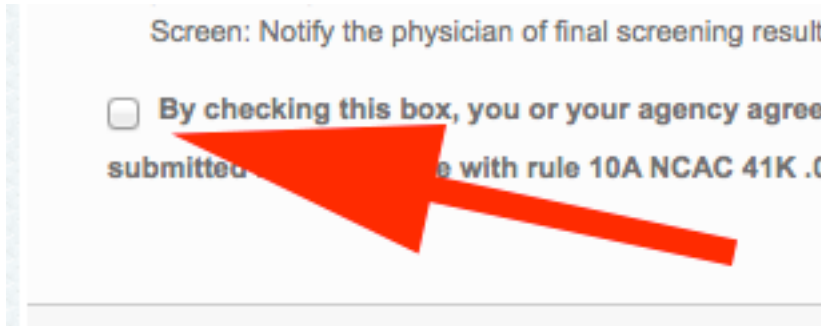
 E.g., 2014-08-31

Please choose a survey:

- Select -



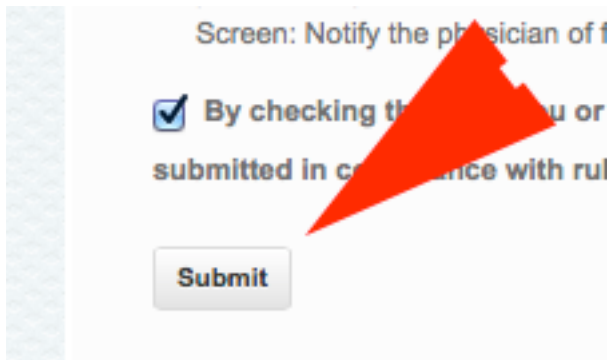
4) Read and check the box on the bottom of the form to bring up the **Submit** button



Screen: Notify the physician of final screening result:

By checking this box, you or your agency agree:
submitted in compliance with rule 10A NCAC 41K .0

5) Click **Submit** and you have completed submission of your data.



Screen: Notify the physician of f

By checking this you or
submitted in compliance with rul

Submit

QUESTIONS?

Should you have questions or need further assistance please email <mailto:cchd@pgcnc.org>

