



# PA Case Management System (iCMS) SaaS Implementation

Primary Care Providers (PCPs) and  
Pediatricians  
Training

## What is iCMS?

- Internet Case Management System (iCMS), a web-based software application
- Used by the Pennsylvania Department of Health's Division of Newborn Screening and Genetics (DNSG) for case management, tracking and managing the follow-up of newborn filter paper and point-of-care (POC) screening results for infants born/residing in PA
- Developed and supported by Neometrics, a division of Natus



## Service Vendor

- Neometrics, a Division of Natus, incorporated in 1978
- Based in Hauppauge, NY
- Staff has over 100 years of experience in newborn screening and data management
- Market leader in newborn screening software for:
  - Testing, reporting and case management
  - Electronic data transfer (via HL7)
  - Federal reporting





## Implementation Coordinator and Trainer

**Lisa Hudson**, Applications Systems Analyst II and Certified HL7 Control Specialist, has over 20 years of public health systems experience

Responsibilities include:

- Provide assistance and training to existing clients (users and IT staff)
- Provide technical expertise on application, network and database issues
- Create user manuals, documentation and training materials
- Training

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## PA DNSG

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# Training Plan

- Complete Webinar Training
- Answer Webinar Review Questions
- Submit Answers and Request for Login
- Go Live!



## Implementation Goals

Provide a *single comprehensive* data system that:

- supports the newborn metabolic, hearing and critical congenital heart defects (CHD) screening follow-up programs
- supports unlimited DOH and external users, with different scopes and levels of access based on their roles
- provides fast and accurate identification of infants and their newborn screening results
- provides a secure interface for exchanging protected health information (PHI) with the contracted laboratories, submitters and treatment centers
- increases timeliness and efficiency of follow-up and reporting



# Implementation Plan

- ✓ **Phase I:** Laboratories are able to send newborn filter paper screening data to iCMS, using HL7 messaging. DOH users are able to perform newborn screening follow-up activities and run reports in iCMS. An ad-hoc reporting tool is also provided for DOH to build custom reports, as needed.
- ✓ **Phase II:** Treatment Centers (TCs) are provided access to iCMS for *specified* diagnostic follow-up activities and hospitals, midwives and birthing centers are able to manually enter or electronically submit hearing screening data to iCMS.

## Current Phase

- **Phase III:** Audiologists, Cardiologists and other health care professionals working with the newborns are provided access to iCMS for *specified* in-patient and out-patient diagnostic evaluation follow-up activities.



## Phase III Objectives

- Bring the Pennsylvania newborn screening and genetics program ***ahead*** of other newborn screening and genetics programs across the country.
- Eliminate the need for the current email of workbooks between state and all Health Care Professionals (HCP)s.
- Provide HCPs and other outside providers direct access to referred cases for easy and quicker reporting of diagnostic results, leading to timely follow-up and treatment.



## Data Entry Learning Objectives

- Be able to access and log into the PA iCMS
- Be able to search and find a newborn in the system
- Use PA iCMS to view the results from newborn's screenings
- Use PA iCMS to view a newborn's case information, such as, contacts, appointments, referrals, diagnoses etc.
- Use PA iCMS to view the newborn's diagnostic evaluation results
- Learn how to create user accounts in PA iCMS for other users
- Be prepared to train other users on how to use the system
- Feel comfortable using PA iCMS



## iCMS Concepts

- PHI and emails (trusted sender Neometrics.com)
- Individual logins
- Follow-up type:
  - Dried Blood Spot (DBS)
  - Hearing
  - Congenital Heart Defects (CHD)



# Let's Get Started...

## Login



Pennsylvania Department of Health  
Bureau of Family Health | Division of Newborn Screening and Genetics  
625 Forster St. | Seventh Floor East, Health and Welfare Building | Harrisburg, PA 17120  
Phone: 717-783-8143 or 877-724-3258 Fax: 717-724-6995  
Web: www.health.pa.gov



### ICMS Browser Requirements

Please enable Compatibility Mode for this site. (IE Users)  
Ensure iCMS is set as a Trusted Site. (IE Users)  
Download and Open the Quick Patch to update your browser.  
Make sure your browser's Pop-up Blocker is turned off.  
It's recommended to turn off header/footer for letter printing.

User Name

Password

[Forgot your password?](#)

**Supported Web Browsers: IE v10 and higher**

**User Tip: TURN OFF the pop up blocker on first login**

**If you forget or misplace your password:  
Click "Forgot your Password?"  
You have 5 attempts before you are locked out.**

**Add 'nbs.pa.gov' to the list of trusted sites on your workstation onsite.**

URL For Production:

<https://nbs.pa.gov/toolbar/login.aspx>

IE must be run in compatibility mode:

Tools -> Compatibility View Settings

Add this website -> Click "Add"

## Password Criteria

- Passwords must have 8 characters including an uppercase, lowercase, numeric and a symbol
- Password can not be one that was previously used within last 180 days
- Users can only change their password 1 time every 15 days
- HCP Administrators can reset a user's password at any time
- Temporary password is good for 14 days
- Password reset required every 60 days

# User Terms and Conditions

- Users must agree to these terms and conditions to access iCMS

**Attention**



**Pennsylvania Internet Case Management System**  
**User Terms and Conditions**

By using the Pennsylvania Internet Case Management System (PA iCMS), you attest to the following:

**AUTHORIZED ACCESS**

- 1) I attest that the information I provided during registration is my own and is true and accurate to the best of my knowledge.
- 2) I attest that I am legally authorized to access the PA iCMS.
- 3) I understand that PA iCMS usernames and passwords are assigned to individuals and not to facilities. All authorized users must have their own accounts using their own credentials. Usernames and passwords cannot be shared. Any violations of username and password security may result in revocation of direct access.
- 4) I understand that I am only permitted to use the PA iCMS for the reasons explicitly stated in the Infant Hearing Education Assessment, Reporting and Referral (IHEARR) Act, 11 P.S. §§ 871-1 et seq.; the Newborn Child Testing Act, 35 P.S. §§ 621 et seq.; 28 Pa. Code Chapter 28; and, the Newborn Child Pulse Oximetry Screening Act, 11 P.S. §§ 878.1 et seq.
- 5) I agree to report any suspected breach or unauthorized access of the system to the Pennsylvania Newborn Screening Program immediately.

**CONFIDENTIALITY**

- 6) I understand that the data from the PA iCMS is protected patient health information and any information accessed must be treated as confidential as required by the authority cited in paragraph 4 above.
- 7) I understand that any person who unintentionally or intentionally makes an unauthorized disclosure of information from the PA iCMS may be subject to civil and criminal penalties.
- 8) I agree to abide by all rules and regulations set forth in the Health Insurance Portability and Accountability Act of 1996 (HIPAA) and any subsequent amendments.

**GENERAL TERMS AND CONDITIONS**

- 9) I accept the above conditions and certify that I am a healthcare professional authorized to access the PA iCMS.

Agree       Do Not Agree

# Landing Page



- PCP's have view only access to babies born or residing in PA where they are configured as the PCP on record for the case
- A PCP is configured only for babies that require follow-up

## Top Toolbar:

- **Home (Landing Page)** – Daily tasks and system options
- **Release Notes** – Training Materials
- **Contact Us** – Newborn Screening home page
- **Logout** – Exit out of iCMS

## Case Management



- Allows users to search for specific cases based on selected criteria

# Case Management

Newborn ID	<input type="text"/>	Mother's First Name	<input type="text"/>
Filter Paper #	<input type="text"/>	Mother's Last Name	<input type="text"/>
Medical Record #	<input type="text"/>	Mother's DOB	<input type="text" value="v"/>
Infant Last Name	<input type="text"/>	Mother's Phone #	<input type="text"/>
From Date of Birth	<input type="text" value="v"/>	Birth Facility	<input type="text" value="..."/>
To Date of Birth	<input type="text" value="v"/>	Submitter's Name	<input type="text" value="..."/>
Gender	<input type="text" value="v"/>	Case Status	<input type="text" value="v"/>
Birth Certificate #	<input type="text"/>		

- To find a record, enter a value in one or more of the fields and click “Search”
  - A combination of fields can be used, e.g. Infant Last Name and DOB
  - Wildcard cards can also be used, e.g. Infant Last Name as “SM\*”
- Click “Reset” to clear the search
- If the search returns more than 10,000 records, a warning message will be displayed

# Case Management

Newborn ID

Filter Paper #

Medical Record #

Infant Last Name

From Date of Birth  ▼

To Date of Birth  ▼

Gender  ▼

Birth Certificate #

Mother's First Name

Mother's Last Name

Mother's DOB  ▼

Mother's Phone #

Birth Facility  ...

Submitter's Name  ...

Case Status  ▼

**Filter Paper(s)**

Drag a column header here to group by that column

Select	Newborn ID	Filter Paper #	Med Rec #	Infant Last N	Last Name at	DOB	Gender	Mother First	Mother Last	Mom DOB	Phone	Birth Facility	Submitter Na	Status
<input type="button" value="Select"/>	DA123456...	DA123456...	454646465...	TESTING	DLNAME	1/2/2019	Female	SMA MOTHER	TESTING			Albert Einstein Medical Center	Albert Einstein Medical Center	Open

- Click “Select” to view a record from the search results
- If the baby is not found, try alternate criteria

# Case Management

Home Help Contact Us Search Logoff Screen 1 of 1 < Prev 1 Next >

Case Information	<b>Newborn ID:</b> 34343453453	<b>Infant Name:</b> DLNAME, DFNAME	<b>Gender:</b> Female
◦ Demographics (C)	<b>Case Status:</b> Open	<b>Mother's Name:</b> TEST, MOM	<b>Date of Birth:</b> 01/01/2019 @ 00:00
◦ Additional Contacts	<b>Birth Order:</b> Not Multiple Birth	<b>Mother DOB:</b>	<b>Birth Weight:</b> 0 grams
◦ Provider Information	<b>Filter Paper #:</b> 34343453453	<b>Submitter Name:</b> Magee Womens Hospital of UPMC	<b>Results Released:</b> 01/22/2019
◦ Appointments	<b>Hyperal:</b>	<b>Birth Facility:</b> Magee Womens Hospital of UPMC	<b>PCP:</b> ABC Pediatrics
◦ Referrals	<b>Transfused Date:</b>	<b>MRN #:</b>	<b>PCP Phone:</b> (610) 402-6474
◦ Case Diagnosis	<b>Gestation Age:</b>	<b>Collection Date:</b> 01/02/2019 @ 00:00	<b>Hearing Date:</b> 01/02/2019
◦ Case Disposition	<b>Pulse Ox Date:</b>	<b>Pulse Ox Result:</b> Unknown	<b>Reason:</b>
◦ Document Capture			
Dried Blood Spot			
◦ Laboratory Results			
◦ Lab Demographics			
◦ Metabolic Diagnostic Results			
◦ Hemoglobin Diagnostic Results			
◦ Cystic Fibrosis Diagnostic Results			
◦ CH Diagnostic Results			
◦ CAH Diagnostic Results			
◦ SCID Diagnostic Results			
◦ SMA Diagnostic Results			
Point of Care - Hearing			
◦ IP/OP Screening Results			
◦ Hearing Risk Factors			
◦ Hearing Diagnostic Evaluation			
◦ Early Intervention			
Point of Care - CHD			
◦ CHD Screening Results			
◦ CHD Diagnostic Evaluation			

The header of a case has several components:

- The center, blue banner identifies the infant
- The left-side navigation menu includes links for other case details
- The top-right corner allows for system navigation
  - **Cancel** - Return to the previous screen
  - **Retry** - Returns to grid from where you selected the case
  - **Prev** and **Next** - Allow you to view additional filter papers for the case



# Case Menu

<b>Case Information</b> ^
o Demographics (C)
o Additional Contacts
o Provider Information
o Appointments
o Referrals
o Case Diagnosis
o Case Disposition
o Document Capture
<b>Dried Blood Spot</b> ^
o Laboratory Results
o Lab Demographics
o Metabolic Diagnostic Results
o Hemoglobin Diagnostic Results
o Cystic Fibrosis Diagnostic Results
o CH Diagnostic Results
o CAH Diagnostic Results
o SCID Diagnostic Results
o SMA Diagnostic Results
<b>Point of Care - Hearing</b> ^
o IP/OP Screening Results
o Hearing Risk Factors
o Hearing Diagnostic Evaluation
o Early Intervention
<b>Point of Care - CHD</b> ^
o CHD Screening Results
o CHD Diagnostic Evaluation

- **Demographics** – current demographic data for the case
- **Additional Contacts** – additional contacts for the case
- **Provided Information** – PCP assigned to case (You!)
- **Appointments** – all appointments for the case
- **Referrals** – all referrals for follow-up on the case
- **Case Diagnosis** – confirmed diagnosis by disorder
- **Case Disposition** – Case status
- **Document Capture** – lab reports and other case documents; .doc, .docx, .xls, .xlsx, .pdf, .jpg, .gif and .png files
- **Laboratory Results** – filter paper results
- **Lab Demographics** – demographics from the filter paper
- **Diagnostic Results** – separate tab for various diagnostic evaluations for the case
- **IP/OP Screening Results** – all hearing screening results
- **Hearing Risk Factors** – risk factors then can effect hearing
- **Early Intervention** – follow-up assistance for hearing loss
- **CHD Screening Results** – all CHD screening results

# Case Demographics

**Patient Information**

\* Newborn ID: 94343453453

DBS CHN: Kate Withjack

POC-Hearing CHN: Kate Withjack

POC-CHD CHN: Kate Withjack

Infant Last Name: TEST

Infant First Name: BG

Infant Last Name at Discharge:

Infant First Name at Discharge:

Gender: Female

White

Black

Asian

Native Indian/Alaskan

Other

Hawaii/Pacific Island

Not Indicated

Hispanic Origin

Multiple Races

Newborn Hispanic: No

Birth Order: Not Multiple Birth

\* Date of Birth: 1/1/2019

Birth Time: 0000

Birth Weight: 0

Medical Record Number:

Medical Assistance:

Transfused:

Transfused Date:

Antibiotics:

AKA First Name:

AKA Last Name:

Hyperal:

Carnitine Supplement:

NICU:

Guardian's First Name:

Guardian's Last Name:

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**Mother's Information**

Mother Last Name: TEST

Mother First Name: MOM

Mother Initial:

Street Address: 1 MAIN STREET

Zip Code: 15213

City: Pittsburgh

State: PA

Mother's County: ALLEGHENY

Home Phone: ( ) -

Cell Phone: ( ) -

Work Phone: ( ) - Work Extension:

Mother DOB:

Email Address:

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**Emergency Contact**

Emergency Contact:

Emergency Contact #: ( ) -

Emergency Contact Info:

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**Birth Hospital Information**

Birth Hospital ID: 111

Magee Womens Hospital of UPMC  
300 Halket Street, Room 4662 LCIC  
Pittsburgh PA - 15213

- Displays the most recent demographic information in view-only mode
- If you have more recent demographic information, please email it to the CHN assigned to this case

# Additional Contacts

Primary Contacts									
Contact Type	Name	Street	City	State	Phone	Language	Cell Phone	Email	
Mother	MOM TEST	1 MAIN STREET	PITTSBURGH	PA					
Additional Contacts									
	LG	Contact Type	Name	Street	City	State	Phone	Adopted	Foster Care
<a href="#">Select</a>	No	Grandparent	MAY GRANNY			PA	(555) 555-5555	No	No

- Displays the mother’s contact information as well as other contacts who have been added
- If mother is not legal guardian, the additional contact screen will indicate the current legal guardian
- Click “Select” to view the details

# Provider Information

Assigned Providers											
	Seq#	Provider ID	Description	Provider Type	Phone	Fax	Email	Date Added	Last Change	Added By	
Select	1	116581	ABC Pediatrics	DBS PCP	(610) 402-6474	(610) 402-0409		04/18/2019	04/18/2019	Daniel LaGonterie	

- Displays the PCP by provider type for the case, click “Select” to see the details
- Provider types include DBS PCP, Hearing PCP and CHD PCP. However, the same PCP can be assigned to all types
- If there is more than one PCP assigned to the case, all PCPs will have access to the case

# Appointments

Appointments									
	Appointment Type ▼	Appointment Date ▼	Appointment Time ▼	Provider ▼	Reason Not Seen ▼	Entered By ▼	Date Created ▼	Modified By ▼	Date Updated ▼
Select	DBS Other	05/01/2019	17:00	Alfred I. duPont Hospital for Children - IMMUNOTC		scid	04/18/2019 10:53:13	scid	04/18/2019 10:53:13
Select	SMA Initial Assessment	03/04/2019				Charu Pahwa	01/30/2019 11:20:46	Charu Pahwa	01/30/2019 11:20:46
Select	HGB Initial Assessment	02/25/2019		Geisinger Medical Center - ENDOTC		Daniel LaGonterie	02/25/2019 17:42:38	Daniel LaGonterie	02/25/2019 17:42:38
Select	CF Initial Assessment	02/25/2019				Daniel LaGonterie	02/25/2019 17:42:45	Daniel LaGonterie	02/25/2019 17:42:45

- Displays all appointments on record for the case
- Click “Select” to view the details

# Referrals

Referrals								
Select	Referral Date	Referral Type	Referred To	Phone #	Completed By	Completed On	Status	
Select	04/17/2019	CAH - Endocrinology CAH	Albert Einstein Medical Center - ENDOTC	(215) 456-8706	Daniel LaGonterie	04/17/2019	Completed	
Select	04/17/2019	CH - Endocrinology CH	Albert Einstein Medical Center - ENDOTC	(215) 456-8706	Daniel LaGonterie	04/17/2019	Completed	
Select	04/17/2019	SCID - Immunology/Infectious Disease	Alfred I. duPont Hospital for Children - IMMUNOTC	(302) 651-4000	scid	04/17/2019	Completed	
Select	02/27/2019	SMA - Spinal Muscular Atrophy	Clinic for Special Children- SMATC	(717) 547-3350	Kelly Holland	02/27/2019	Completed	
Select	02/26/2019	SCID - Immunology/Infectious Disease	The Milton S. Hershey Medical Center Penn State Medical Center - IMMUNOTC	(717) 531-8521	Daniel LaGonterie	04/17/2019	Completed	

- Displays all referrals for the case by referral type
- For every completed referral, there will be a diagnostic record
- Click “Select” to view the details

# Case Diagnosis

Diagnosis

Diagnosis Type:  Presumptive Diagnosis  Final Diagnosis

Disorder:

Diagnosis:

Notify Date:

Diagnosis Date:

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Diagnosis Assigned

Drag a column header here to group by that column

Diagnosis Type	Disorder	Diagnosis Code	Description	Diagnosis Date	Notify Date	Assigned By
Final	SMA (SMN1)	SMA	Spinal Muscular Atrophy	02/27/2019	02/27/2019	Kelly Holland

- Displays all confirmed diagnoses by disorder

# Case Disposition

**Case Disposition - In order to close all Follow Up Types at once the Disposition code selected must exist for all**

\* Follow up Type   
 Disposition   
 Disposition Date 5/7/2019  
 Assigned By   
 Notes

**Assigned Dispositions**

	Follow Up	Disposition	Disposition Date	Assigned By	Notes
Select	DBS				
Select	POC - Hearing				
Select	POC - CHD				

**Assigned Diagnosis**

Diagnosis Type	Diagnosis Code	Description	Diagnosis Date	Treatment Date	Assigned By
Final	ARG	Argininemia	02/27/2019	02/27/2019	StateAdminNeo
Final	NDD	No disorder detected - HL7	04/22/2019	04/22/2019	Jordan Shover

- Displays the case status and diagnoses assigned for each follow-up type

# Document Capture

**Document Capture**

Drag a column header here to group by that column

View Document	Comment	Saved by	Date Saved	Select
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
	Parents Consent Form	TCA_CAH	08/05/2017	<input type="checkbox"/>

- To view an attached document, click

# Laboratory Results

Select	Group	Disorder	Mnemonic	Comment	Status
Select	AA	AA	WNL	Within Normal Limits	Normal
Select	AA	MSUD	WNL	Within Normal Limits	Normal
Select	AA	PKU	WNL	Within Normal Limits	Normal
Select	Hgb	HGB	FA	Within Normal Limits	Normal
Select	BIO	BIO	WNL	Within Normal Limits	Normal
Select	CF	CF	WNL	Within Normal Limits	Normal
Select	SCID	SCID	WNL	Within Normal Limits	Normal
Select	LSD	POMPE	WNL	Within Normal Limits	Normal
Select	LSD	MPS-1	WNL	Within Normal Limits	Normal
Select	AC	AC	WNL	Within Normal Limits	Normal
Select	CH	CH	WNL	Within Normal Limits	Normal
Select	GAL HL7	GAL HL7	WNL	Within Normal Limits	Normal
Select	X-ALD	X-ALD	WNL	Within Normal Limits	Normal
Select	<b>SMA</b>	<b>SMA (SMN1)</b>	<b>PREPOS-REF</b>	<b>Out of Range Referral</b>	<b>Presumptive Positive</b>
Select	<b>SMA</b>	<b>SMA (SMN2)</b>	<b>1Copy</b>	<b>1 Copy</b>	<b>Presumptive Positive</b>

Select	Testcode	Testnam	Value
Select	00155	SMN1	

No data to display

- “Select” the test to view the detailed result values
- Abnormal results are highlighted in red



# Lab Demographics

Lab Demographics Screen	
Child's Information	Submitter / Physician
<b>Newborn ID</b> 34343453453 <b>Filter Paper #</b> 34343453453 <b>Name</b> TEST, <b>Name at Discharge</b> DLNAME, DFNAME <b>Collection Date / Time</b> 01/02/2019 @ 0000 <b>Med Rec Number</b> <b>Birth Date / Time</b> 01/01/2019 @ 0000 <b>Sex</b> Female <b>Race</b> Unknown <b>Hispanic</b> <b>Birth Order</b> Not Multiple Birth <b>Birth Weight</b> 0 grams <b>Current Weight</b> <b>Tranfused</b> <b>Trans Date/Time</b> <b>Specimen Age</b> 360 <b>Specimen Type</b> Initial Specimen <b>Age of Collection</b> 24 <b>Date Spec Received</b> 01/17/2019 <b>NICU</b> <b>Hyperal</b> <b>Carnitine</b> <b>Meconium Ileus</b> <b>Antibiotics</b> <b>Weeks Gestation</b>	<b>Submitter</b> Magee Womens Hospital of UPMC <b>Address</b> 300 Halket Street Pittsburgh PA 15213 Room 4662 LCIC  <b>Phone</b> (412) 641-1734 <b>Fax</b> (412) 641-4508  <b>Physician Name</b> <b>Address</b> LA137-2, None <b>City</b> LN <b>State</b> <b>Zip Code</b> <b>Phone</b>  <b>Birth Hospital</b> Magee Womens Hospital of UPMC <b>Address</b> 300 Halket Street Pittsburgh PA 15213 <b>Phone</b> (412) 641-1734
Mother's / Guardian's Information	Mother's Medical History
<b>Mother's Name</b> TEST, <b>Mother's DOB</b> <b>Mailing Address</b> <b>City</b> <b>State</b> <b>County</b> <b>Zip Code</b> <b>Email Address</b> <b>Phone</b> <b>Medical Assistance</b>  <b>Emergency Contact</b> <b>Emergency Phone</b> <b>Emergency Contact Info</b>  <b>Guardian's First Name</b> <b>Guardian's Last Name</b>	<b>Thyroid Disease</b> <b>Diabetes</b> No <b>On Steriods</b> <b>Maternal Hepatitis</b> UNK <b>Other</b>

- View only
- Populated from the filter paper

# Diagnostic Results

CH Diagnostic Results							
	Evaluation Status	Diagnosis Date	Referral Date	Diagnostic Provider	CH Results	Created Date	Created By
	In Progress		04/17/2019	Albert Einstein Medical Center - ENDOTC		04/17/2019	Daniel LaGonterie

- To view a diagnostic form, click it's name from the left navigation menu
- Click “Select” to view the details
- Any diagnostic flagged as “In Progress” has not been completed

# Diagnostic Results

**dit SCID Diagnostic Results**

\* **Diagnosis Date**

\* **Diagnosis**  
  
 If other, please specify

**Confirmatory Testing**

**Confirmatory Testing Date**

**Treatment Start Date**

\* **Was the CD3 T cell level tested?**

\* **What was the CD3 T cell level?**

\* **Was proliferation to PHA test done?**

\* **Proliferation to PHA:**

\* **Was Maternal engraftment documented?**

\* **Was a mutation analysis performed in the genes known to be associated with SCID?**

\* **Were variants detected in the genes known to be associated with SCID?**

\* **Allele 1:**

\* **Allele 2:**

\* **Was 22q11 deletion ruled out?**

Created Date  
 04/17/2019  
 Created By  
 scid

**Final Diagnosis**

[Return to SCID Diagnostic Results Grid](#)

- If the Final Diagnosis box has not been checked, additional testing is pending

# IP/OP Screening Results

IP Screening Results						
	Screening Type	Screening Order	Result	Screening Provider	Screen Date	Error
<a href="#">Select</a>	Inpatient Hearing	First	L - ABR: Pass, R - ABR: Pass	Magee Womens Hospital of UPMC	01/02/2019	No

OP Screening Results						
	Screening Type	Screening Order	Result	Screening Provider	Screen Date	Error
No data to display						

- In-Patient and Out-Patient Hearing Screening results are view only
- Click “Select” to view the details

# IP/OP Screening Details

Screen No.	1
Screen Type	Inpatient
* Screening Provider	H1 Magee Womens Hospital of UPMC 300 Halket Street, Room 4662 LCIC Pittsburgh PA 15213
Screeener	LH
* Date of Screening	1/2/2019
Time of Screening	0000
Date Screening Results Received	4/18/2019
* Result Left Ear	Pass
* Screening Method Left	ABR
Malformation Left Ear	
Family Notified Date	
Data Entry Error	<input type="checkbox"/>
* Result Right Ear	Pass
* Screening Method Right	ABR
Malformation Right Ear	
PCP Notified Date	

- The screening details show date, time, method, results and malformations, if any, for the screen



# Hearing Risk Factors

Risk Factors	
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Caregiver concern regarding hearing, speech, language, or developmental delay.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Family history of permanent childhood hearing loss.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Neonatal intensive care of more than 5 days or any of the following regardless of length of stay: ECMO, assisted ventilation, exposure to ototoxic medications (Gentamicin and tobramycin) or loop diuretics (furosemide/Lasix), and hyperbilirubinemia that requires exchange transfusion.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	In utero infections, such as CMV, herpes, rubella, syphilis, and toxoplasmosis.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Craniofacial anomalies, including those that involve the pinna, ear canal, ear tags, ear pits, and temporal bone anomalies.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Physical findings, such as white forelock, that are associated with a syndrome known to include a sensorineural or permanent conductive hearing loss.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Syndromes associated with hearing loss or progressive or late-onset hearing loss, such as neurofibromatosis, osteopetrosis, and Usher syndrome; other frequently identified syndromes include Waardenburg, Alport, Pendred, and Jervell and Lange-Nielson.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Neurodegenerative disorders, such as Hunter syndrome, or sensory motor neuropathies, such as Friedreich ataxia and Charcot-Marie-Tooth syndrome.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Culture-positive postnatal infections associated with sensorineural hearing loss, including confirmed bacterial and viral (especially herpes viruses and varicella) meningitis.
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Head trauma, especially basal skull/temporal bone fracture requiring hospitalization
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Entered	Chemotherapy

**Last Modified By** Daniel LaGonterie 04/18/2019 04:56 PM

Save Cancel

- Risk Factors for hearing are flagged based upon the list of CDC indicators

# Early Intervention

Early Intervention										
	Referral Date	Enrollment Status	Provider	Enrolled Date	Services Start Date	Entered By	Date Created	Modified By	Date Updated	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<a href="#">Select</a>	05/07/2019	Pending	Allegheny County Department of Human Services			Doni test	05/07/2019 16:02:12	Doni test	05/07/2019 16:02:12	

- If hearing loss is identified, the system will track Early Intervention status for the case
- Click “Select” to view the details

# CHD Screening Results

CHD Screening Results										
	Sequence	Pulse Ox Results	Date Time	Reason	Created By	Date Created	Modified By	Date Modified	Final Result	
	367011	Unknown			HL7 Import User	01/29/2019 13:41:13	HL7 Import User	01/29/2019 14:32:53	Yes	

**Edit CHD Screening Results**

\* Pulse Ox

Date

Time

If not performed reason  refused  transferred  <24 hrs.  postnatal echocardiogram performed  prenatal fetal echocardiogram

birth weight < 1500 grams  Other

Final Result

- CHD results are view only
- Click “Select” to view the details

## User Administration



PCP Administrators  
can:

- Create New Users
- Unlock Users
- Reset Passwords

# User Administration

Add New User

Status: Active Inactive Locked

Drag a column header here to group by that column

Select	User ID	User Name	Full Name	Email	Phone	Last Login	Organization	Audits	Reset Password
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Select	745	JSMITH	Joe Smith	LISA.HUDSON@NAT...	( ) -			Audit	Reset Password
Select	746	SGREEN	Sara Green	LISA.HUDSON@NAT...	( ) -			Audit	Reset Password
Select	680	TCU_CAH	TC User CAH Test Staging	DONI.ANTONELLI@N...	( ) -	7/27/2017 3:25:07 AM		Audit	Reset Password

- Lists all users in your affiliated facilities
- Has color coded entries for active, inactive and locked users

# Add Users

[Add New User](#)

Status: Active Inactive Locked

Drag a column header here to group by that column

Select	User ID	User Name	Full Name	Email	Phone	Last Login	Organization	Audits	Reset Password
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<a href="#">Select</a>	680	TCU_CAH	TC User CAH Test Staging	DONI.ANTONELLI@N... ( ) -		7/27/2017 3:25:07 AM		<a href="#">Audit</a>	<a href="#">Reset Password</a>

- Click “Add New User”

# Add Users

< Prior    Next >

User ID    Roles    Affiliations    Designee    User Information

\* User Name    JSMITH2

\* Full Name    Joe Smith | x

*\* Indicates required field*

Save    Cancel

- Enter the user name and full name
- Use the first name initial + last name as the user name
- If the username already exists, add a number at the end, e.g. JSMITH2
- Click “Next” to continue

# Add Users



- Select the user’s role, which should be limited to:
  - “PCP User”
  - Then click “Next”

# Add Users

The screenshot shows a web interface for adding users. At the top, there are navigation buttons: '< Prior' and 'Next >', with 'Next >' circled in red. Below this are tabs for 'User ID', 'Roles', 'Affiliations', 'Designee', and 'User Information'. The 'Affiliations' tab is active, showing a table with columns '#', 'ID', and 'Description'. The table is empty, displaying 'No data to display'. Below the table, it says 'Page 1 of 0 (0 items)'. At the bottom of the 'Affiliations' section are 'Save' and 'Cancel' buttons. Below the 'Affiliations' section is the 'Providers' section, which includes a warning: '\* Do NOT press Enter while filtering affiliations or your screen will refresh and data will be lost.' It contains a table with columns '#', 'ID', and 'Description'. One row is visible with ID '116581' and Description 'ABC Pediatrics'. The 'Add' button for this row is circled in red.

- Select the user’s affiliations by clicking “Add” then click “Next”
- PCP Admins can only create users with the same affiliations
- If affiliated to multiple sites, “Add” each one to the new user

# Add Users

< Prior **Next >**

User ID Roles Affiliations **Designee** User Information

**Designees**

Drag a column header here to group by that column

#	ID	Description
<input type="text"/>	<input type="text"/>	<input type="text"/>

No data to display

**Providers**

Drag a column header here to group by that column

#	ID	Description
<input type="text"/>	<input type="text"/>	<input type="text"/>
Add	116581	ABC Pediatrics

Save Cancel

- Click “Next” to skip over the designee screen

# Add Users

< Prior    Next >

User ID    Roles    Affiliations    Designee    **User Information**

\* Indicates Mandatory Field

Phone ( ) -

Fax ( ) -

\* Email joe.smith@childhosp.org

Title

Organization

Address

City

\* State PA

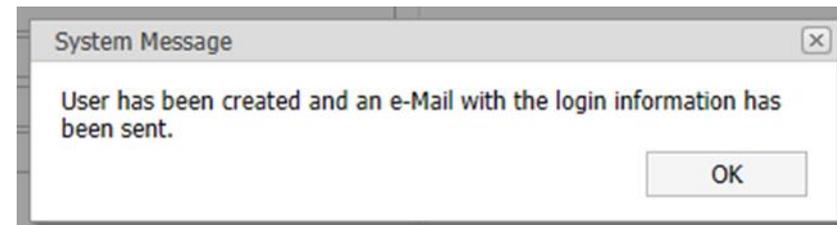
\* Zip Code 19019

Active

**Save**    Cancel

- Enter the mandatory information
- Click “Save”

If the configuration for the user account is correct, a confirmation message will display



# Add Users

The items below require attention:

- It is required to select at least one affiliate.

←

User ID Roles Affiliations Designee **User Information**

\* Indicates Mandatory Field

Phone ( ) -

Fax ( ) -

\* Email joe.smith@childhosp.org

Title

Organization

Address

City

\* State PA

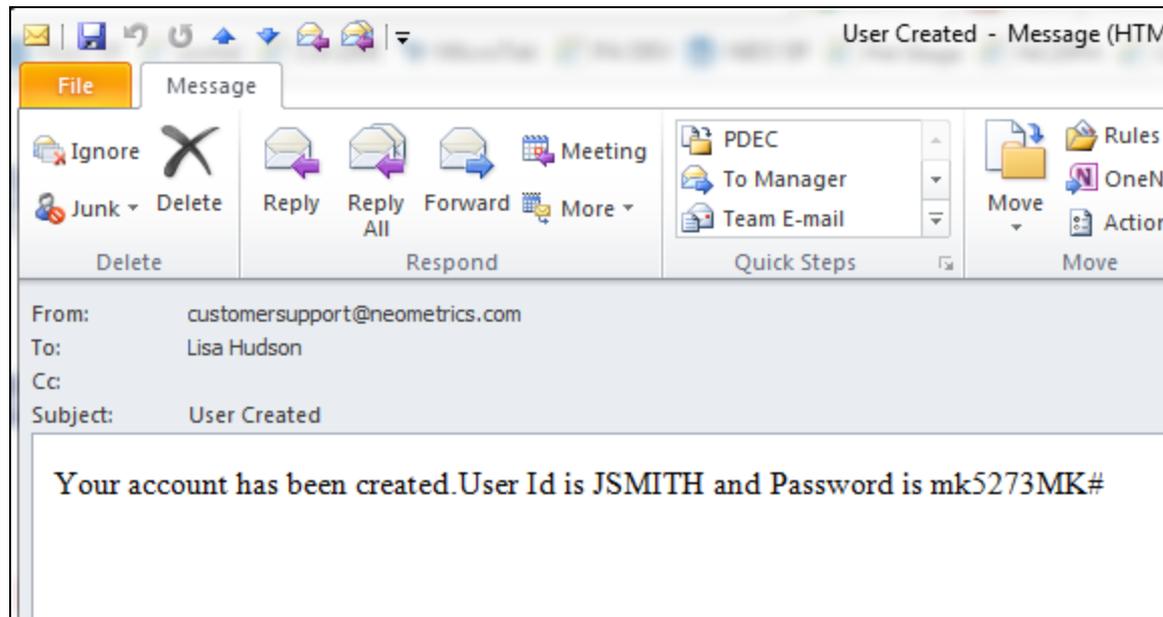
\* Zip Code 19019

Active

Save Cancel

- If any required data is missing, a red prompt will display on the top of the “User Information” Tab
- Enter the missing data, and click “Save” again

# Add Users



- An email will automatically be sent to the new user with their user name and initial temporary password
- The users will have 14 days to setup their new password and security question or the HCP Administrator will need to reset the password for them
- Email is sent from [customersupport@neometrics.com](mailto:customersupport@neometrics.com)

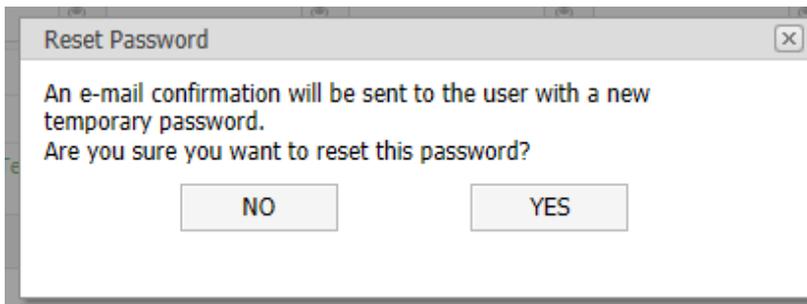
# Reset Password

Add New User

Status: Active Inactive Locked

Drag a column header here to group by that column

Select	User ID	User Name	Full Name	Email	Phone	Last Login	Organization	Audits	Reset Password
Select	1721	da_hspuser	Doni HSP User Test	DONI.ANTONELLI@N...	( ) -	7/10/2017 1:32:56 PM		Audit	Reset Password



- Click “Reset Password” to reset the password for a user
- A prompt will confirm the reset and an email will be sent to the user with their new temporary password

# Unlock User

Add New User

Status: Active Inactive Locked

Drag a column header here to group by that column

Select	User ID	User Name	Full Name	Email	Phone	Last Login	Organization	Audits	Reset Password
Select	1721	da_hspuser	Doni HSP User Test	DONI.ANTONELLI@N...	( ) -	7/10/2017 1:32:56 PM		Audit	Reset Password
Select	1748	jsmith2	John Smith	LISA.HUDSON@NATU...	( ) -			Audit	Reset Password

- If a user has incorrectly entered their password 5 times or their password has expired, the user is locked out and they must notify their admin user to get “unlocked”
- Click “Select” to view the user details
- Click through the configuration tabs until you get to the “User Information” tab

# Unlock User

< Prior    Next >

User ID    Roles    Affiliations    Designee    **User Information**

\* Indicates Mandatory Field

Phone ( ) -

Fax ( ) -

\* Email DONI.ANTONELLI@NATUS.COM

Title

Organization

Address

City

\* State NY

\* Zip Code 11788

Active  ←

Save    Cancel

- Check the “Active” box
- Click “Save”

# Inactivate User

< Prior   Next >

User ID   Roles   Affiliations   **User Information**

\* Indicates Mandatory Field

Phone ( ) -

Fax ( ) -

\* Email LISA.HUDSON@NATUS.COM

Title

Organization

Address

City

\* State PA

\* Zip Code 99999

Active  ←

Save   Cancel

- On the User Information tab, check the “Active” box
- Select “Save”

Status: Active Inactive Locked

Drag a column header here to group by that column

Select	User ID	User Name	Full Name	Email	Phone	Last Login	Organization	Audits	Reset Password
Select	745	JSMITH	Joe Smith	LISA.HUDSON@NAT...	( ) -			Audit	Reset Password
Select	746	SGREEN	Sara Green	LISA.HUDSON@NAT...	( ) -			Audit	Reset Password

## Questions



**Lisa Hudson**

[Lisa.Hudson@Natus.com](mailto:Lisa.Hudson@Natus.com)

**Kelly Holland**

[kholland.pa.gov](mailto:kholland.pa.gov)

717-783-8143

**Charu Pahwa**

[c-chapahwa@pa.gov](mailto:c-chapahwa@pa.gov)

717-547-3336

**Natus Helpdesk**

866-639-3439

## CHN List

Abby Bond – [abbond@pa.gov](mailto:abbond@pa.gov)

Angie Collins – [angcollins@pa.gov](mailto:angcollins@pa.gov)

Janyce Hobart – [jahobart@pa.gov](mailto:jahobart@pa.gov)

Karen Friese – [kfriese@pa.gov](mailto:kfriese@pa.gov)

Debra Smeltz – [desmeltz@pa.gov](mailto:desmeltz@pa.gov)

Kate Withjack – [kwithjack@pa.gov](mailto:kwithjack@pa.gov)

Note: All grids identify the CHN assigned to the record

# Webinar Review Questions

## #1

True or False:

You can share your login with your co-workers ?

## #2

How do you reset your password?

- a. Click the “Forgot Password” button on the landing page
- b. Call the state for assistance
- c. Email the password police

## Webinar Review Questions

### **#3**

Where can you view the DBS filter paper results?

- a. Laboratory Results
- b. Document Capture
- c. Both a and b

### **#4**

Can you find any baby born in the state by searching in Case Management ?

- a. Yes- you have access to every baby
- b. No- you can only access a case if you were assigned as the provider and the case had abnormal or referred results

## Webinar Review Questions

### #5

True or False:

You can email a CHN to ask questions about a baby and include the baby's name and date of birth in the email?

### #6

Who can add user logins and unlock users for your facility?

- a. Your facility administrator
- b. The state
- c. Both a and b



# PCP Responsibilities

## Next Steps:

- Create Email with the following:
  - Your name, your email and phone #
  - Your facility name
  - Are you an Administrator ?
  - Training Course Attended
  - Provide your answers to the 6 Webinar questions  
If you don't have the answers, send email to the address below to request copy of this slide deck
- Send Email with a request for login to the address below:
  - **RA-TCNBSAdmin\_Fax@pa.gov**

# Going Live!

URL: <https://nbs.pa.gov/toolbar/login.aspx?msg=16>

Make sure to:

- TURN OFF Pop Up Blocker  
Tools -> Pop Up Blocker -> Turn Off Pop Up Blocker
- Turn ON Compatibility View Setting  
Tools -> Compatibility View Settings -> Add
- Add pa.gov to your list of Trusted Sites  
Tools -> Internet Options -> Security -> Sites -> Add
- Supported Web Browser: IE v10 or Higher
- If you receive a HTTP 400 or 440 error – clear your cookies and try again