

Indiana's EHDI Alert Response System (EARS)



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Overview

- Background
- Indiana Operational Data Store (ODS)
- EHDI Program in Indiana
- EHDI Alert Response System (EARS)

Historic Background of Data Integration in Indiana

- In 1974, the Regenstrief Institute began working on data integration.
 - In the mid-1980s, ISDH started moving forward with data integration.
- 

Recent Background of Data Integration in Indiana

- In 1993, the Indiana Legislature passed a law mandating the creation of the State Health Data Center.
- The Data Center was charged with “improving data quality and collecting, using, and sharing data about the health status of Indiana residents.”

Recent Background of Data Integration in Indiana

Mid-to-late 1990s

- Lack of data standards were a national problem.

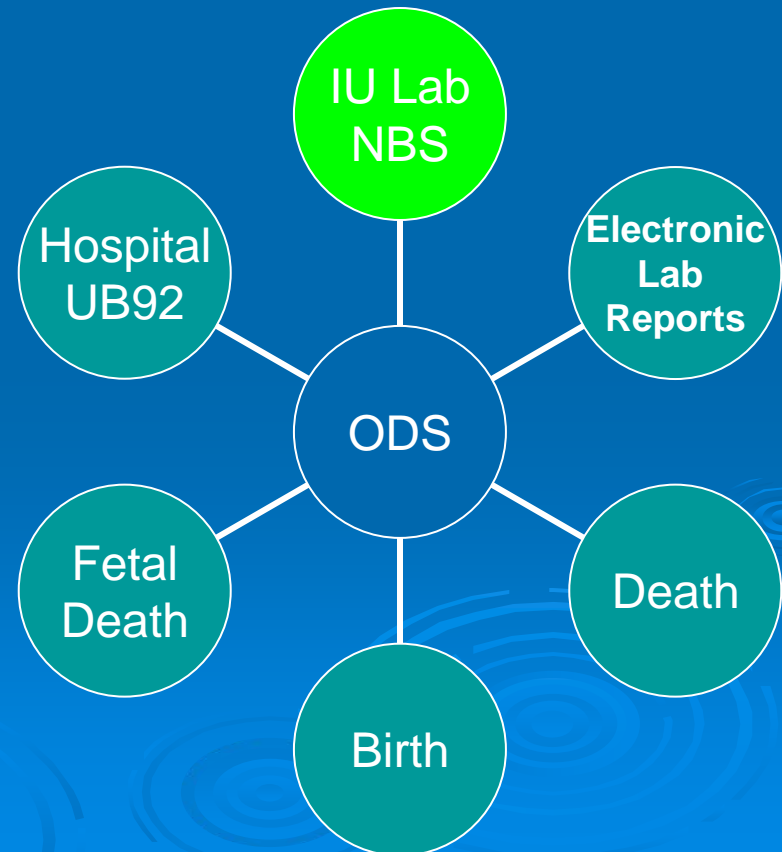
ISDH Operational Data Store (ODS)

2000 to 2002

- The Operational Data Store was developed to meet PHIN requirements and to allow other program areas to include their data in the Data Store.
- The process of collecting and utilizing real-time data was piloted by the Indiana Birth Defects and Problems Registry.

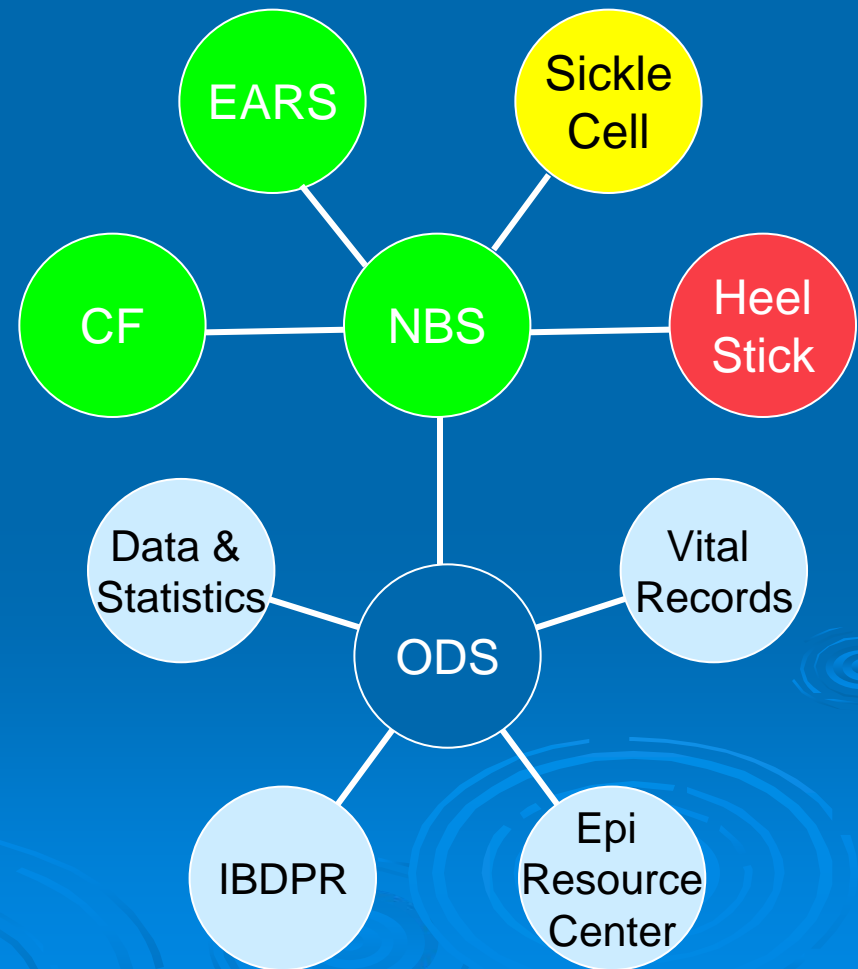
ODS Data Sources

- IU Lab Data – Newborn Screening/Hearing
- Hospital (Reportable Birth Defects – UB92)
- Vital Records Birth
- Vital Records Death
- Vital Records Fetal Death
- Electronic Lab Reports (Regenstrief)



ODS Users

- Newborn Screening
- Vital Records
- Data & Statistics
- IBDPR
- Epi Resource Center



EHDI Program in Indiana



EHDI in Indiana

- In 1999, the State Legislature passed PL91-1999 which mandates screening of babies in Indiana for hearing loss
- 16-41-17-10 states that ISDH is responsible for
“A centralized program that provides tracking, follow-up, diagnosis, management, and family counseling and support.”



EHDI in Indiana

- Approximately 88,000 live births per year
- 103 Hospitals & 3 Birthing Facilities
- Approximately 800 Home Births Annually



Indiana EHDI Data 2006

➤ 97.8% received UNHS

➤ 1.9% did not pass n=1665

Normal hearing 73%

Hearing loss 7%

In process 2%

Died/moved/refused 3%

LTF/LTD 15%

Prevalence of Hearing Loss 1.3 per 1000 screened

EHDI Alert Response System (EARS)



What is EARS?



- EARS is a web-based application that:
 - allows hospitals and audiologists to quickly and accurately enter information directly into a data store;
 - allows Indiana NBS staff to view these entries almost instantaneously; and
 - generates alerts and informs the appropriate staff member that the next follow-up action should be taken.

Current Data Management System

- Developed in 2003
- Time-consuming data entry by ISDH staff from handwritten hospital and audiologist reports
- Access-based, “stand alone” program
- Generation of letters
- Reporting capability
- Passive system-User “acts” upon the system

The Case for EARS



- Improve accuracy and reporting by hospitals and audiologists (direct data entry)
- Increase timeliness of data sharing
- Improve communication between EHDI partners
- Interact with larger database (ODS)
- Reduce loss to follow-up and documentation of children
- Easy to access, paperless, “active” system that “works” for the user
- System acts as platform for other applications

History of EARS



2005 to Present

- **2005** – received grant from the CDC to fund the development of EARS
- **2006** – began development of EARS
- **2007** – began pilot testing EARS with the help of 4 central Indiana hospitals
- **Early 2008** – EARS moved to production and scheduled training of additional hospitals

Working EARS



- Health Data Center Gateway
- Log on to system
- Step by step-Hospital Data Entry
- Checking an EARS Alert
- Processing an EARS Alert
- Communicating by secure E-mail
- Step by step-DAE entry
- Backdoor Information

Working EARS Health Data Center




ISDH Health Data Center - Home - Microsoft Internet Explorer provided by Indiana State Dept. of Health

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://healthdatacenter.isdh.in.gov/Gateway/Home.aspx> Go Links




App Admin My Profile Home Contact Us

 **GATEWAY**
The INTEGRATED HEALTH DATA CENTER
Indiana State Department of Health

Logged in as Alan Schoeff | [Logout](#)

Docs | EARS | Organization Mgmt |

Health Data Center Messages

-  This is a warning.
-  This is Urgent!
-  This is information.

Quick Links

- [Indiana State Department of Health](#)
- [Centers for Disease Control and Prevention \(CDC\)](#)

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Done Trusted sites

Working EARS Log-in Screen



PortalLogin - Microsoft Internet Explorer provided by Indiana State Dept. of Health

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop


Address <http://healthdatacenter.isdh.in.gov/EARS/portallogin.aspx?id=d4041f5e-8cf6-49d4-a63b-de68301ed784> Go Links >>


Early Hearing Detection And Intervention


Account Login

Username
spoe

Password
.....

Sign In 

 Indiana State
Department of Health

 Early Hearing Detection
and Intervention Program **EHDI**

<http://www.cdc.gov/ncbddd/ehdi/default.htm> Trusted sites

Working EARS Home Page




ISDH UNHS - Microsoft Internet Explorer provided by Indiana State Dept. of Health

File Edit View Favorites Tools Help


Back Forward Stop Search Favorites Home

Address <http://healthdatacenter.isdh.in.gov/EARS/main.aspx?id=bb140c2a-3234-49e9-864a-5a27cceb599> Go Links


Early Hearing Detection And Intervention


Healthnet Portal  *E.A.R.S.* Previous Profiles

Welcome to the




Indiana State
Department of Health




Early Hearing Detection
and Intervention Program 

Online Reporting system.
Please make a selection from the menu items on the left.

My Alerts!
My Account
My EMail
Data Entry
EHDI Admin

Send Alert 

Enter PID Go



Log Off

Trusted sites

Working EARS Data Entry



Monthly Summary Reporting - Microsoft Internet Explorer

Address: <https://healthnet.isdh.in.gov/Ears/DataEntry/MSR.aspx?UPDATES=0>

Early Hearing Detection And Intervention

Healthnet Portal ISDH EARS Previous Profiles

UNIVERSAL NEWBORN HEARING SCREENING

MONTHLY SUMMARY REPORTING

[Contact Information](#)

Data Month:

Data Year:

Facility:

Address:

City:

State:

Zip:

Completed By:

Phone: () -

Fax: () -

Email:

[Continue](#)

Start | Monthly Summary Re... | Microsoft PowerPoint - [I... | 3:31 PM

Working EARS

Babies R Fun MSR Update




Selection - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://healthdatacenter.isdh.in.gov/EARS/DataEntryFaster/Selection.aspx?UPDATES=1> Go Links >>


Early Hearing Detection And Intervention

Healthnet Portal  *E.A.R.S.* Previous Profiles >>

Select an Organization
BABIES R FUN

Select the MSR
FEB - 2008

Enter PID Go



Log Off

Go To: << Back | 1) Hold Overs | 2) Exceptions | 3) Statistical Data | 4) Summary Data | Next >> | HOME

Done Trusted sites

Start Microsoft Internet Explorer Selection - Microsoft ... Inbox - Microsoft Outlook RE: Could you assist wit... 4:24 PM

Working EARS Data Entry Holdovers



HoldOvers - Microsoft Internet Explorer provided by Indiana State Dept. of Health

File Edit View Favorites Tools Help

Address <http://healthdatacenter.isdh.in.gov/EARS/DataEntry/MSR.aspx?UPDATES=0>

Early Hearing Detection And Intervention

UNIVERSAL NEWBORN HEARING SCREENING

Babies R Fun

MONTHLY SUMMARY REPORTING 2 - 2008

HOLD OVER CHILDREN FROM PREVIOUS MONTH

Use the most relevant of the UNHS Exception CODES to define why the child is listed on this page.
If the child was transferred in to or out from your facility be sure to indicate so (this may be in ADDITION to another reason code).

Save Changes Search

MRN	Child Name	Sex	DOB	B/O Code	Prev Code	New Code	Facility Transfers	Refer To:	Screen Date
t72433437	RABBITS, CHASE	M	1/21/2008	1	4	<input type="button" value="v"/>	<input type="radio"/> Out (code 2) <input type="radio"/> In (code 10) Trans. Date <input type="text"/> Select Facility <input type="button" value="v"/>	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	<input type="text"/>
t72433710	SMITH, LAYLA	F	1/31/2008	1	4	<input type="button" value="v"/>	<input type="radio"/> Out (code 2) <input type="radio"/> In (code 10) Trans. Date <input type="text"/> Select Facility <input type="button" value="v"/>	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	<input type="text"/>
t8392788	HIGGINS, ROBERT		7/26/2007		4	<input type="button" value="v"/>	<input type="radio"/> Out (code 2) <input type="radio"/> In (code 10) Trans. Date <input type="text"/> Select Facility <input type="button" value="v"/>	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	<input type="text"/>
t72433708	WALLING, STONE	M	1/30/2008	1	9	<input type="button" value="v"/>	<input type="radio"/> Out (code 2) <input type="radio"/> In (code 10) Trans. Date <input type="text"/> Select Facility <input type="button" value="v"/>	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	<input type="text"/>

Go To: << Back | 1) Hold Overs | 2) Exceptions | 3) Statistical Data | 4) Summary Data | Next >> | HOME

Done Trusted sites

Working EARS Exceptions



Exceptions - Microsoft Internet Explorer provided by Indiana State Dept. of Health

Address: http://healthdatacenter.isdh.in.gov/EARS/DataEntryFaster/Selection.aspx?UPDATES=1

UNIVERSAL NEWBORN HEARING SCREENING BABIES R FUN

MONTHLY SUMMARY REPORTING JAN - 2008 UNHS EXCEPTIONS REPORTING

Use the most relevant of the UNHS Exception CODES to define why the child is listed on this page.
If the child was transferred in to or out from your facility be sure to indicate so (this may be in ADDITION to another reason code).

Reason Code:

Facility Transfer: Out (code 2) In (code 10) No Transfer

Medical Record #: QS

Infant: Last Name: First Name:
Sex: DOB: Birth Order:

Mother: Last Name: First Name: Phone: () -

Primary Care Physician: CONRAD, MICHAEL

Comments: [Reset](#)

Only One [Save and Add New Exception](#)

ID	Code	MRN	Infant Name	DOB	Mother Name	Mother Phone	Physician Name	Physician Phone	Referred To	Screen Date	Comments	Sex	PID
2848	13	t72433647	OMMAYA, AMMAYH	1/25/2008	OMMAYA, HEATHER	999697877	ABEL, ROBERT	574-862-2165	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	1/26/2008		F	4624490 X
2847	4	t72433710	SMITH, LAYLA	1/31/2008	SMITH, KIMBERLY	999-243-8335	Judge, Robert	812-522-1613	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D			F	4624499 X
2846	9	t72433708	WALLING, STONE	1/30/2008	WALLING, DRI	999-856-8648	Judge, Robert	812-522-1613	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D			M	4624497 X

Done Trusted sites

Working EARS Statistical Data Sheet



Stats - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://healthdatacenter.isdh.in.gov/EARS/DataEntryFaster/HoldOvers.aspx?UPDATE5=1>

Early Hearing Detection And Intervention

Healthnet Portal **E.A.R.S.** Previous Profiles

UNIVERSAL NEWBORN HEARING SCREENING

BABIES R FUN

MONTHLY SUMMARY REPORTING FEB - 2008

Statistical Data

After setting the new codes for [Hold Over](#) children from the previous reporting period and after entering information on the [Exception Reporting From](#) for this reporting period, please respond to the following four questions.

<input type="text" value="0"/>	1. Total Number of Live Births in your facility during the data month/year indicated.
<input type="text" value="0"/>	2. Total Number of Home Births receiving UNHS at your facility during data month/year indicated.
<input type="text" value="0"/>	3. Total Number of Walk-ins (not including Home Births) receiving Newborn Hearing Screening at your facility during data month/year indicated.
<input type="text" value="0"/>	4. Subtotal of lines 1 + 2 + 3.
<input type="text" value="0"/>	5. Total number of children who: a. are included in lines 1, 2, or 3 above and b. passed their UNHS screening and c. had no risk factors

Go To: << Back | 1) Hold Overs | 2) Exceptions | 3) Statistical Data | 4) Summary Data | Next >> | HOME

Trusted sites

Start Microsoft Internet Explorer Stats - Microsoft Inte... RE: Could you assist wit... Microsoft PowerPoint - [I... 4:25 PM

Working EARS Summary Data Sheet



Summary - Microsoft Internet Explorer

Address: http://healthdatacenter.isdh.in.gov/EARS/DataEntryFaster/Stats.aspx?UPDATES=1

Early Hearing Detection And Intervention

Healthnet Portal ISDH E.A.R.S. Previous Profiles

UNIVERSAL NEWBORN HEARING SCREENING

BABIES R FUN

MONTHLY SUMMARY REPORTING FEB - 2008

You have not set the New Code for one or more of the Hold Overs from previous MSR.
 You cannot submit an MSR before the first of the month following the reporting period.
 You cannot submit an MSR before the previous MSR is submitted.
 The number of possible screens does not match the actual screens completed.

DATA CONFIRMATION AND SUBMISSION

Possible Screenings

1. Number of Live Births in your facility during this reporting period.	0
2. + Number of Home Births receiving Universal Newborn Hearing Screening at your facility during this reporting period.	0
3. + Number of Walk-ins (not including Home Births) receiving UNHS at your facility during this reporting period .	0
4. + Number of Hold-Overs from last reporting period.	4
5. + Number of unscreened children Transferred In (to your facility, from another facility) this reporting period.	0
6. TOTAL Potential Universal Newborn Hearing Screenings your facility could have conducted during this reporting period.	4
7. - Number of children reported this reporting period that should be screened next reporting period.	0
8. - Number of deaths reported this reporting period.	0
9. TOTAL Possible Universal Newborn Hearing Screenings your facility should have conducted during this reporting period.	4

Actual Screenings

1. Number of children who: a. are included in lines 1, 2, or 3 above and b. passed their UNHS screening and c. had no risk factors	0
2. + Number of children reported this reporting period that PASSED EARS.	0
3. + Number of children reported this reporting period that PASSED UNHS but have Risk Factors for delayed onset hearing loss.	0
4. + Number of children reported this reporting period that Did NOT PASS EARS.	0

Done Trusted sites

Start Microsoft Internet Explorer Summary - Microsoft ... RE: Could you assist wit... Microsoft PowerPoint - [I... 4:26 PM

Working EARS My Alerts



My Alerts - Microsoft Internet Explorer provided by Indiana State Dept. of Health

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address http://healthdatacenter.isdh.in.gov/EARS/myAlerts.aspx Go Links


Early Hearing Detection And Intervention

Healthnet Portal ISDH E.A.R.S. Previous Profiles



- My Alerts!
- My Account
- My Email
- Data Entry
- EHDI Admin

Send Alert ?

Enter PID Go



Log Off

Priority	Source	Message	Alert Date	PID
	EMAIL	Email Response Due	2/4/2008	4546113
	MSR	Did Not Pass - AMMAYH OMMAYA	2/4/2008	4624490

Done Trusted sites

Working EARS Child Health Profile



Profile - Microsoft Internet Explorer provided by Indiana State Dept. of Health

Address: http://healthdatacenter.isdh.in.gov/EARS/Profile.aspx#here

Healthnet Portal | ISDH | E.A.R.S. | AMMAYH OMMAYA

My Alerts | **EHDI - Child Health Information Profile**

Demographics

Name AMMAYH OMMAYA **Gender** F **ODS ID** 4624490
Address **Race** **Birth** 1/25/2008 **Ethnicity** **Death** /AM/12:00:0
Siblings ACOSTA,

Mother's Name **Address** **Phone** 999697877
Father's Name **Address** **Phone**

PCP's Name No Name Selected **Address** **Phone**

Birth Data

Birth Facility **Facility Type** **Birth Order** 1 **Plurality**
Birth Weight **Gestational Age** **Transfused?** Yes No NOS
Confirmed Birth Defects No Confirmed Birth Defects

Hearing Data

File | Hide Alerts | UNHS DATA | Notes

Alerts

PRIORITY	SOURCE	MESSAGE	CREATED	DELAY TO	ASSIGNED TO	RESOLVED
✖	MSR	Did Not Pass - AMMAYH OMMAYA	2/4/2008	2/4/2008	Alan Schoeff	

MSR Exception Data

Codes

PERIOD	FACILITY	EXC. CODE	SCREENED	REFERRED	Transfers (In/Out)	PHYSICIAN	PHYS. PHONE	EXC. CREATED	MSR CREATED
1/2008	BABIES R FUN	13	1/26/2008	<input checked="" type="checkbox"/> A <input type="checkbox"/> B	No Transfers	ROBERT ABEL	574-862-2165	2/4/2008	2/4/2008

Trusted sites

Working EARS Alert Response Center



Alert Response Center - Microsoft Internet Explorer provided by Indiana State Dept. of Health

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://healthdatacenter.isdh.in.gov/EARS/DATAENTRY/Response.ASPX?ResponseAlertID=1817> Go Links

Early Hearing Detection And Intervention

Healthnet Portal ISDH E.A.R.S. Previous Profiles

Alert Response Center

Priority	Source	Message	Alert Date	Protocol
	MSR	Did Not Pass - AMMAYH OMMAYA	2/4/2008 4:00:00 PM	Did Not Pass Step #1

Email Fax Phone Letters Finalize Case

To: TO: CC:

CC:

RE: EMDI REFERRAL

Body:

Notify me to follow-up in days.

Trusted sites

Working EARS Secured Email Center



SecuredEmail - Microsoft Internet Explorer provided by Indiana State Dept. of Health

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address http://healthdatacenter.isdh.in.gov/EARS/dataentry/responses/SecuredEmail.aspx?Response_ID=435&Mailed_To=aschoeff@isdh.in.gov&id=516ea0d1-4db1-4bc5-a854-1 Go Links


Early Hearing Detection And Intervention

Healthnet Portal ISDH E.A.R.S. Previous Profiles

SECURED EMAIL CENTER

Sender	Reply To	Sent Date	Subject	Message Snippet	Print
Alan Schoeff	aschoeff@isdh.in.gov	2/6/2008 12:22:35 PM	EHDI REFERRAL	This is a referral for baby Ammayh Ommaya.	
Alan Schoeff	aschoeff@isdh.in.gov	2/4/2008 10:32:02 AM	response to fred	testing	
GAYLA HUTSELL	ghutsell@isdh.in.gov	12/21/2007 12:08:33 PM	Take care of this baby.....please	Baby, baby, baby.....	
Alan Schoeff	aschoeff@isdh.in.gov	12/14/2007 4:43:17 PM	testing zero delay	xxxx	
Alan Schoeff	aschoeff@isdh.in.gov	12/14/2007 4:37:21 PM	fred	testing new click here and a bunch of text Fann...	

Enter PID Go



This is a referral for baby Ammayh Ommaya.

Done Trusted sites

Working EARS Secured Email



SecuredEmail - Microsoft Internet Explorer provided by Indiana State Dept. of Health

Address: http://healthdatacenter.isdh.in.gov/EARS/dataentry/responses/SecuredEmail.aspx?Response_ID=435&Mailed_To=aschoeff@isdh.in.gov

Early Hearing Detection And Intervention

Healthnet Portal ISDH E.A.R.S. Previous Profiles

SECURED EMAIL CENTER

Sender	Reply To	Sent Date	Subject	Message Snippet	Print
Alan Schoeff	aschoeff@isdh.in.gov	2/6/2008 12:22:35 PM	EHDI REFERRAL	This is a referral for baby Ammayh Ommaya.	
Alan Schoeff	aschoeff@isdh.in.gov	2/4/2008 10:32:02 AM	response to fred	testing	
GAYLA HUTSELL	ghutsell@isdh.in.gov	12/21/2007 12:08:33 PM	Take care of this baby.....please	Baby, baby, baby.....	
Alan Schoeff	aschoeff@isdh.in.gov	12/14/2007 4:43:17 PM	testing zero delay	xxxx	
Alan Schoeff	aschoeff@isdh.in.gov	12/14/2007 4:37:21 PM	fred	testing new click here and a bunch of text Fann...	

Enter PID

To: aschoeff@isdh.in.gov

CC: alanschoeff@hotmail.com, aschoeff@isdh.in.gov, ghutsell@isdh.in.gov, lhine@isdh.in.gov

RE:

Body:

Notify me to follow-up in days.

Done Trusted sites

Working EARS Email Notice



ISDH, Early Hearing Detection and Intervention - Alert - Message (HTML)

File Edit View Insert Format Tools Actions Help

Reply Reply to All Forward

This message was sent with High importance.

From: Aschoeff@isdh.IN.gov Sent: Wed 2/6/2008 12:23 PM
To: Schoeff, Alan
Cc:
Subject: ISDH, Early Hearing Detection and Intervention - Alert

Alan Schoeff has sent you a secured email.

To Access your message, simply follow these steps:

1. [Click here](#) to login to the EHDI Alert Response System (EARS) to view the contents of this secured email.
2. Enter your EARS user name and password when prompted.
3. Access your inbox to view the message.

If your Email Software does not support the 'Click Here' link above, copy the URL below and paste it into the address bar on your web browser.
http://healthdatacenter.isdh.in.gov/EARS/dataentry/responses/SecuredEmail.aspx?Response_ID=435&Mailed_To=aschoeff@isdh.in.gov

Working EARS Alert Response Center



Alert Response Center - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://healthdatacenter.isdh.in.gov/EARS/DATAENTRY/Response.ASPX?ResponseAlertID=1817>

Early Hearing Detection And Intervention

Healthnet Portal ISDH E.A.R.S. Previous Profiles

Priority	Source	Message	Alert Date	Protocol
✖	MSR	Did Not Pass - AMMAYH OMMAYA	2/4/2008 4:00:00 PM	Did Not Pass Step #1

Email Fax Phone Letters Finalize Case

Letter Creation

Step 1 - Select A Letter Group:

- 1st Letters At Risk
- 1st Letters Not Passing
- 1st Letters - Equip Probl
- 1st Letters - Unauthorize
- Parent Tool Kit
- 2nd Letter - Hospital Err
- 2nd Letter Not Passing
- 2nd Letter At Risk
- 2nd Letter - Unauthorize
- 1st Letters - Hospital Err
- 2nd Letter - Equipment F

Trusted sites

Start | Microsoft Internet Explorer | Alert Response Cente... | RE: Could you assist wit... | Microsoft PowerPoint - [I... | 4:27 PM

Working EARS Letter Campaign



The screenshot shows a Microsoft Internet Explorer browser window displaying the LetterGroups web application. The browser's address bar shows the URL: <https://healthnet.isdh.in.gov/Ears/admin/lettergroups.aspx>. The page title is "LetterGroups - Microsoft Internet Explorer".

The main content area is titled "Early Hearing Detection And Intervention" and features a navigation menu on the left with the following items:

- My Alerts!
- My Account
- My Email
- Data Entry
- EHDI Admin
- Alerts
- HELP!
- Letters
- Ltr Grps
- MSR Exc. Codes
- Organizations
- Protocols
- Security
- System Values
- Contacts

Below the navigation menu, there is a search box labeled "Enter PID" and a "Go" button. A logo for "EHDI" is also visible.

The main content area is divided into two main sections:

- Group Identifiers:** This section contains a text input field labeled "Enter New Group Identifier Here" and a button labeled "Add New Group Identifier". Below this is a list of group identifiers:
 - 1st Letters At Risk
 - 1st Letters Not Passing
 - 1st Letters - Equip Problems
 - 1st Letters - Unauthorized Refusa
 - Parent Tool Kit
 - 2nd Letter - Hospital Error
 - 2nd Letter Not Passing
 - 2nd Letter At Risk
 - 2nd Letter - Unauthorized Refusal
 - 1st Letters - Hospital Error
 - 2nd Letter - Equipment Problems
- Letter Groupings:** This section is divided into two columns:
 - Assigned Letters:** An empty box for letters currently assigned to a group.
 - Available Letters:** An empty box for letters available for assignment.

Between the "Assigned Letters" and "Available Letters" boxes, there are two buttons: "<< Assign" and "Remove >>".

At the bottom of the "Group Identifiers" section, there is a button labeled "Delete Selected Group Identifier".

The browser's status bar at the bottom shows the taskbar with the Start button, several open applications (Microsoft PowerPoint, LetterGroups - Micros..., Microsoft Internet Explorer), and the system clock showing 3:40 PM.

Working EARS Letter Screen



Letters - Microsoft Internet Explorer

Address: https://healthnet.isdh.in.gov/Ears/admin/letters.aspx

My Account
My Email
Data Entry
EHDI Admin

Alerts
HELP!
Letters
Ltr Grps
MSR Exc. Codes
Organizations
Protocols
Security
System Values
Contacts

Enter PID Go

Letter Name

Number of Days to Delay Alert

Recipients
 --Select Recipient--
Protocol Steps
 - Protocol Steps -
 Letter Has Enclosures
 Add Letter

Congratulations on the arrival of your new baby! I am contacting you from Indiana's Ear Detection and Intervention Program (EHDI). According to our records, your baby received a hearing screening at the hospital and did not pass that screening. This may have happened for many reasons, but the next thing you need to do is make sure that your baby receives a hearing evaluation. This important evaluation will help rule out or identify a hearing loss, because it is so difficult to tell if a baby hears just by observing the baby. If your baby has not received the recommended hearing evaluation you may: Contact First Steps Early Intervention Program at (800) 441-7837 or call your baby's appointment with an audiologist. Follow-up hearing evaluations are covered by First Steps, Medicaid and an appointment with an audiologist. Private insurance may also cover the testing. If your baby has already received the recommended hearing evaluation, please fill out the enclosed form and return it in the envelope provided. If you need more help, please call (888) 815-0006 and ask to talk to Bess Godard. Enclosed please find the EHDI brochure called "What is My Baby Needs More Hearing Tests?".

ID	Recipient	Delay Days	Letter Body
12	Mother	14	Congratulations on the arrival of your new baby! I am contacting you from Indiana's Early Hearing Detection and Intervention Program (EHDI). According to our records, your baby received a hearing screening at the hospital and did not pass that screening. This may have happened for many reasons, but the next thing you need to do is make sure that your baby receives a hearing evaluation. This important evaluation will help rule out or identify a hearing loss, because it is so difficult to tell if a baby hears just by observing the baby. If your baby has not received the recommended hearing evaluation you may: Contact First Steps Early Intervention Program at (800) 441-7837 or call your baby's appointment with an audiologist. Follow-up hearing evaluations are covered by First Steps, Medicaid and an appointment with an audiologist. Private insurance may also cover the testing. If your baby has already received the recommended hearing evaluation, please fill out the enclosed form and return it in the envelope provided. If you need more help, please call (888) 815-0006 and ask to talk to Bess Godard. Enclosed please find the EHDI brochure called "What is My Baby Needs More Hearing Tests?".
16	Mother	14	According to our records, your baby may not have received a hearing screening before leaving the hospital. Every baby born in Indiana has a hearing screen. If your baby has already received a hearing screening, please fill out the enclosed form and return it in the envelope provided. If your baby did not receive a hearing screening, please contact the hospital where your baby was born and set up a time to go back as soon as possible. There should be no additional charge for a hearing screen if you return to your baby's birthing hospital. After the screening is completed, please fill out the enclosed religion waiver form and return it to the EHDI Program. If you need more help or have questions, please call (888) 815-0006 and speak with Bess Godard. Enclosed please find the EHDI brochure called "What and Why of the Program". Please feel free to contact me, should you need any assistance or have any questions.

Log Off

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Working EARS Audiologist Selection



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Address <https://healthnet.isdh.in.gov/Ears/DataEntry/NewDAEDawn.aspx> Go Links

Early Hearing Detection And Intervention

Healthnet Portal ISDH E.A.R.S. Previous Profiles

Please identify the Audiologist & clinic for whom this report is being submitted.

Audiologist: Select Audiologist

Clinic:

Add a New Office to ODS:

Office Name:	<input type="text"/>
Address	<input type="text"/>
City/St/Zip	<input type="text"/> <input type="text"/>
Ph:	(<input type="text"/>) <input type="text"/> - <input type="text"/>

Enter PID Go

EHDI

Log Off

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Working EARS

Diagnostic Audiology Evaluation



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Early Hearing Detection And Intervention

Healthnet Portal | ISDH | E.A.R.S. | Previous Profiles

Diagnostic Audiologic Evaluation (DAE) Results

Initial Report Follow-Up Report

Child's

Office ID (MRN)

Last Name First Name

Birth Date Gender M F

Birthing Facility

UNHS Results Pass Did Not Pass Unknown

Birth Mother's

Last Name First Name

Address Phone () () - -

City/State/Zip IN Email

[Cancel Next](#)

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Diagnostic Audiology Evaluation



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Early Hearing Detection And Intervention

Healthnet Portal | ISDH | **E.A.R.S.** | Previous Profiles

Diagnostic Audiologic Evaluation (DAE) Results

Primary Care Physician for (Ommaya, Ammayh):
No Name Selected

Audiologic Evaluation Date: 02/02/2008

Audiologist: KOZIEL, VALERI | Phone Number: (999)999 -9999 | Email:

Clinic Name: Babies R Fun Audiology Center
Address: Babies R Fun Way
City/St/Zip: Babies R Fun Land | IN | 46320

Case History/Risk Factors: Yes No

Methods of Evaluation:

<input checked="" type="checkbox"/> Click ABR	<input type="checkbox"/> Screening ABR	<input type="checkbox"/> TEOAE	<input type="checkbox"/> BOA	<input checked="" type="checkbox"/> High Frequency Tympanometry
<input checked="" type="checkbox"/> Toneburst ABR	<input type="checkbox"/> ASSR	<input checked="" type="checkbox"/> DPOAE	<input type="checkbox"/> VRA	<input type="checkbox"/> Tympanometry (220/226)
<input checked="" type="checkbox"/> Bone Conduction ABR	<input type="checkbox"/> CPA	<input type="checkbox"/> MEMR		

Cancel Continue

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Diagnostic Audiology Evaluation



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Early Hearing Detection And Intervention

Healthnet Portal | ISDH | E.A.R.S. | Previous Profiles

Diagnostic Audiologic Evaluation (DAE) Results

Audiologic Results for (Ommaya, Ammayh):

Ear:	Type	Degree
Left:	--Select One--	--Select One--
Right:	--Select One--	--Select One--

Comments:

Additional Recommendations/Resources:

Medical Follow-up with PCP:	<input type="radio"/> Yes <input type="radio"/> No	Enrolled in First Steps:	<input type="radio"/> Yes <input type="radio"/> No	Referred to First Steps?	<input type="radio"/> Yes <input type="radio"/> No
Medical Follow-up with ENT:	<input type="radio"/> Yes <input type="radio"/> No	ENT Provider:	No Name Selected		
Referral for Genetics:	<input type="radio"/> Yes <input type="radio"/> No	Genetics Provider:	No Name Selected		

Medical Follow-Up with PCP Family Resource Guide SKI*HI Parent Advisor/Family Education

Hearing Aid(s) Family Counseling and Training Other EI Services

Audiologic Monitoring in [] weeks? Audiologic Monitoring in [] months? Other

Cochlear Implant Communication Assessment (Spoken/Visual) Referral for Vision Screening/Evaluation

Scheduled Follow-up Date: []

Results Communicated to:

ISDH PCP ENT Parent/Family First Steps Other([])

Cancel Back Submit

Done | Trusted sites

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Working EARS

Security Access for EHDI Administrator



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Back Forward Stop Home Search Favorites Refresh Print Mail New Tab


Address <https://healthnet.isdh.in.gov/Ears/ExternalWelcome.aspx> Go Links



Early Hearing Detection And Intervention

Healthnet Portal

ISDH

EARS Previous Profiles


 **Indiana State Department of Health**

 **Early Hearing Detection and Intervention Program** 

Please make a selection from the menu items on the left.

- My Alerts!
- My Account
- My Email
- Data Entry
- EHDI Admin
- Alerts
- HELP!
- Letters
- Ltr Grps
- MSR Exc. Codes
- Organizations
- Protocols
- Security
- System Values
- Contacts

Enter PID Go



Log Off

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(H)EARS a Conclusion



- ✓ Improves accuracy and reporting by hospitals and audiologists (direct data entry)
- ✓ Increases timeliness of data sharing
- ✓ Improves communication between EHDI partners
- ✓ Interacts with larger database (ODS)
- ✓ Reduces loss to follow-up and documentation of children
- ✓ Easy to access, paperless, “active” system that “works” for the user
- ✓ System acts as platform for other applications

(H)EARS the Real Conclusion

