

# Utilizing Local Public Health; Closing the Gap in EHDI Follow-up

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***EHDI Conference 2011  
Atlanta, GA***

***Nicole Brown – MN Dept. of Health***

***Kirsten Coverstone – MN Dept. of Health***

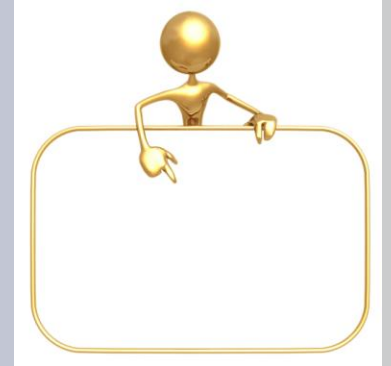


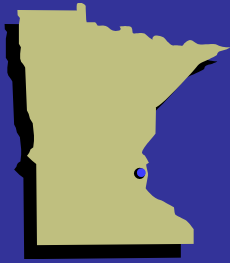
# Presentation Overview

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- The Challenge
- Utilizing an Existing System
- Recruitment & Training
- Results
- Next Steps
- Ideas to Apply in your State





# Our Challenge

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**Last year ~50 infants in Minnesota who have a hearing loss have not yet been identified**

How do we effectively reduce loss to follow-up/documentation at each stage of the EHDI Process?

# 2007 EHDI Legislation

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## ❖ MN Statute 144.966

- Mandated newborn hearing screening
- Mandated reporting to MDH
- Added hearing to newborn screening panel
- Required evaluation of program outcomes
- Long-Term Follow-up through age 18



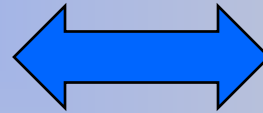
# Early Hearing Detection and Intervention (EHDI) Program

## Minnesota Department of Health



Public Health Lab/  
Newborn  
Screening  
Program

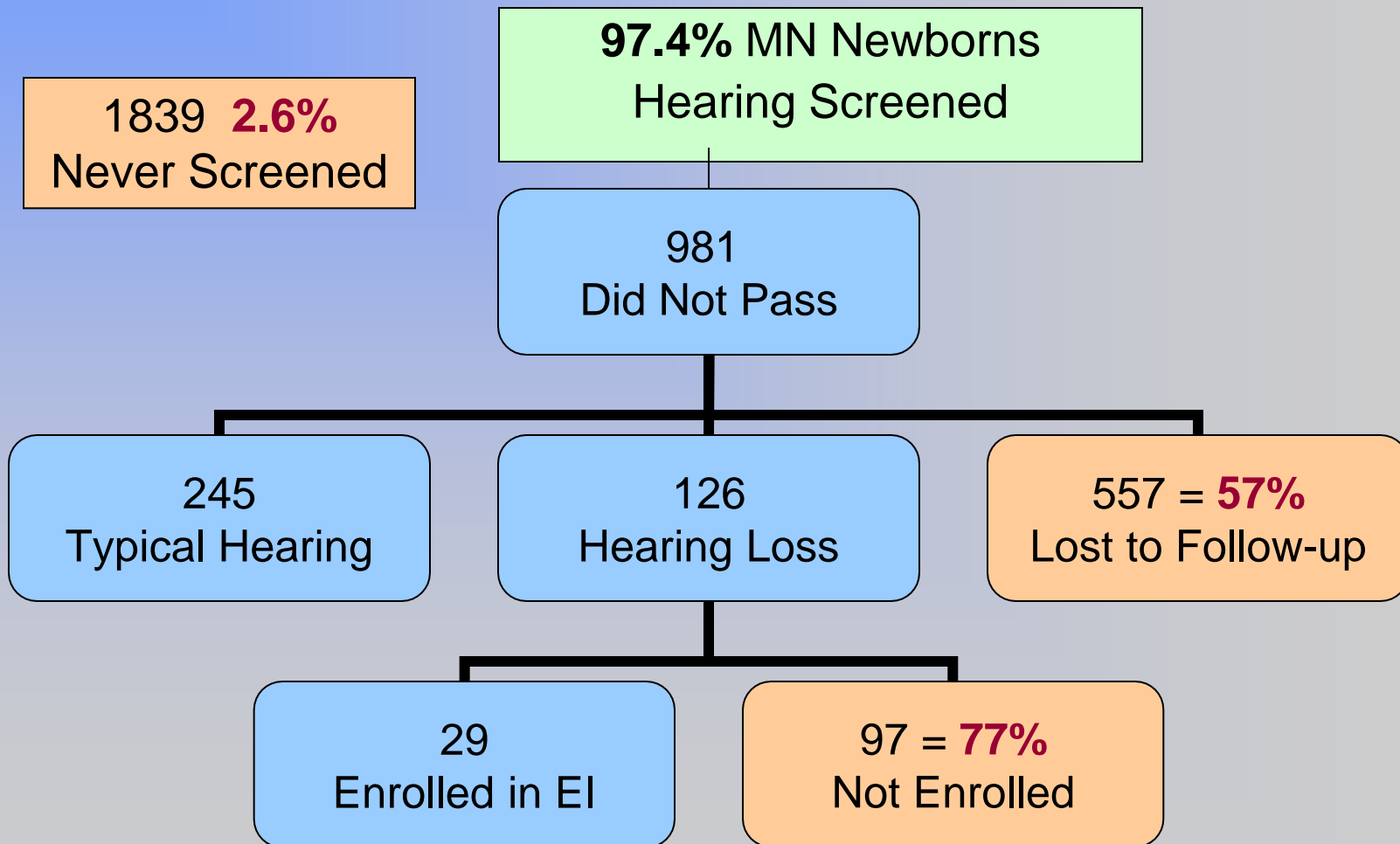
(Screening through  
Diagnosis)



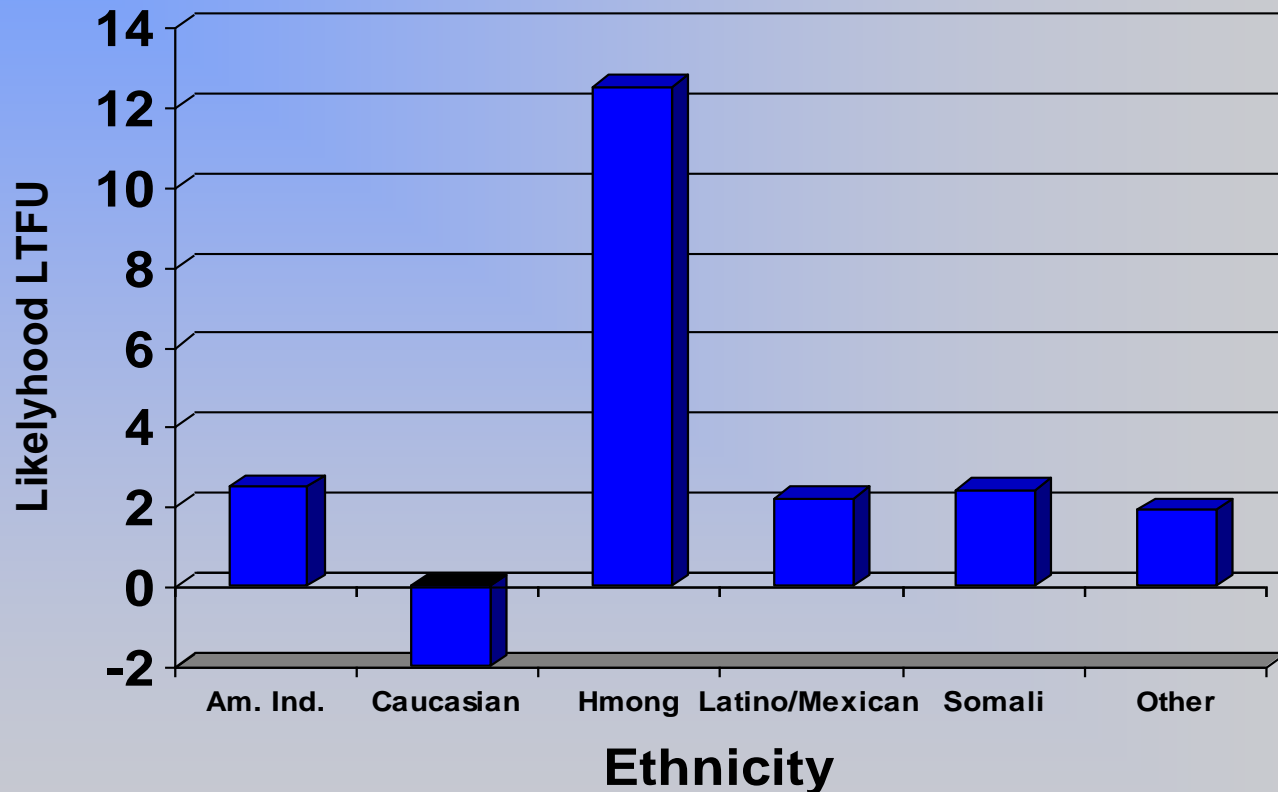
Community and  
Family Health/  
MCH

(Long Term Follow-up  
after Diagnosis)

# 2009 CDC Data



# Lost to Follow-up by Ethnicity (after REFER result)



Children with an ethnicity other than Caucasian are more frequently “lost”

# Use what you have...

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## Community Health Services (Local Public Health)

- Coordinated Approach
- 53 Community Health Boards
  - Cover all 87 Counties
- Experience providing F/U for surveillance systems



# A Small Test of Change

**Public Health plays a pivotal role in reduction of “lost to follow-up”**

- In a small test of change, Local Public Health was aware of 75-85% of infants “lost” to the State EHDI System after initial hearing screening.



# Gaining Support

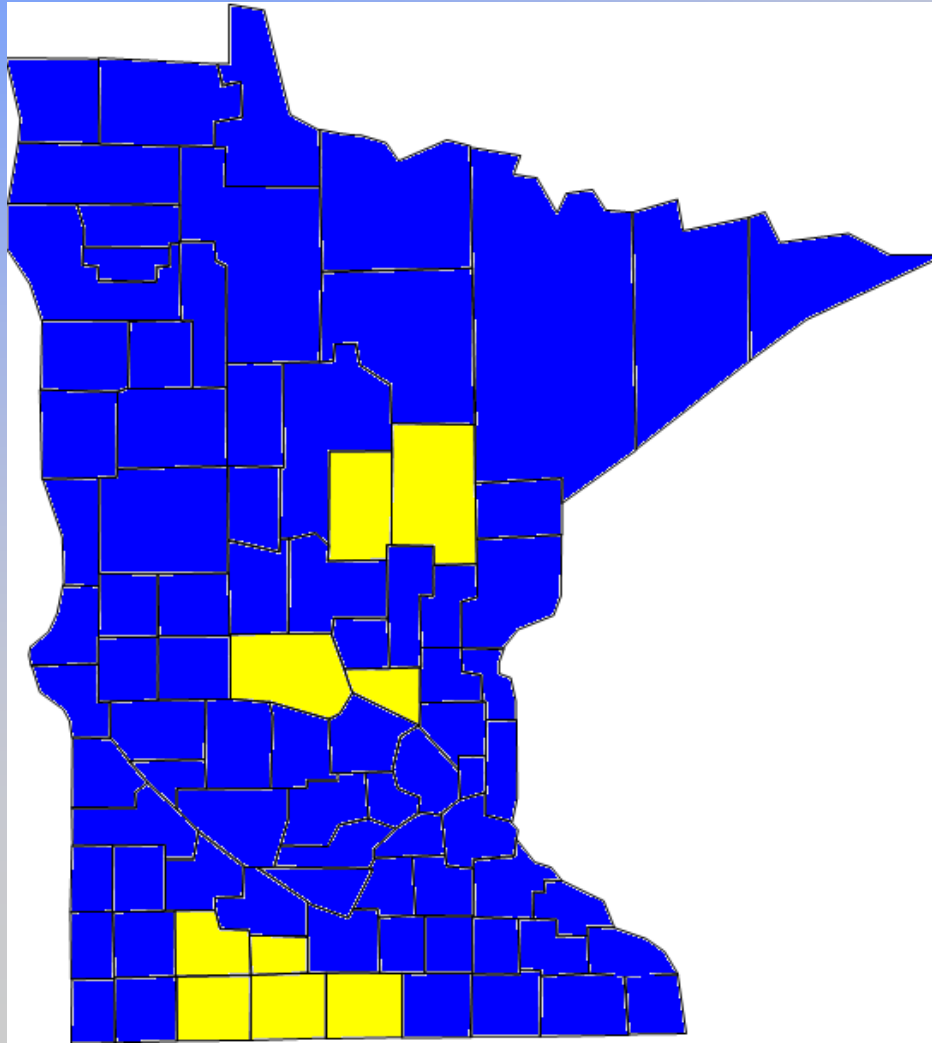
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## Recruitment

- Data, data, data
- Raising awareness
- \$\$\$ (at least a little)
- Assume participation
- Be careful what you wish for!



# Contracts with Local Public Health



78/87  
Counties  
Covered

# Resources for LPH

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## EHDI Training Required

- Basic EHDI Self Study – 1.5 hours
- WebEx Training – 1.5 hours

Over 80 Public Health Nurses Completed Training

## Ongoing Support

- Conference call
- Website



# 4 Types of Follow-up

## ❖ Lost to the EHDI Surveillance System

1. Screening
2. Diagnosis



## ❖ All Permanent Hearing Loss

3. Initial supports/services
4. 3 months after DX





# Screening/Diagnostic Notifications to LPH

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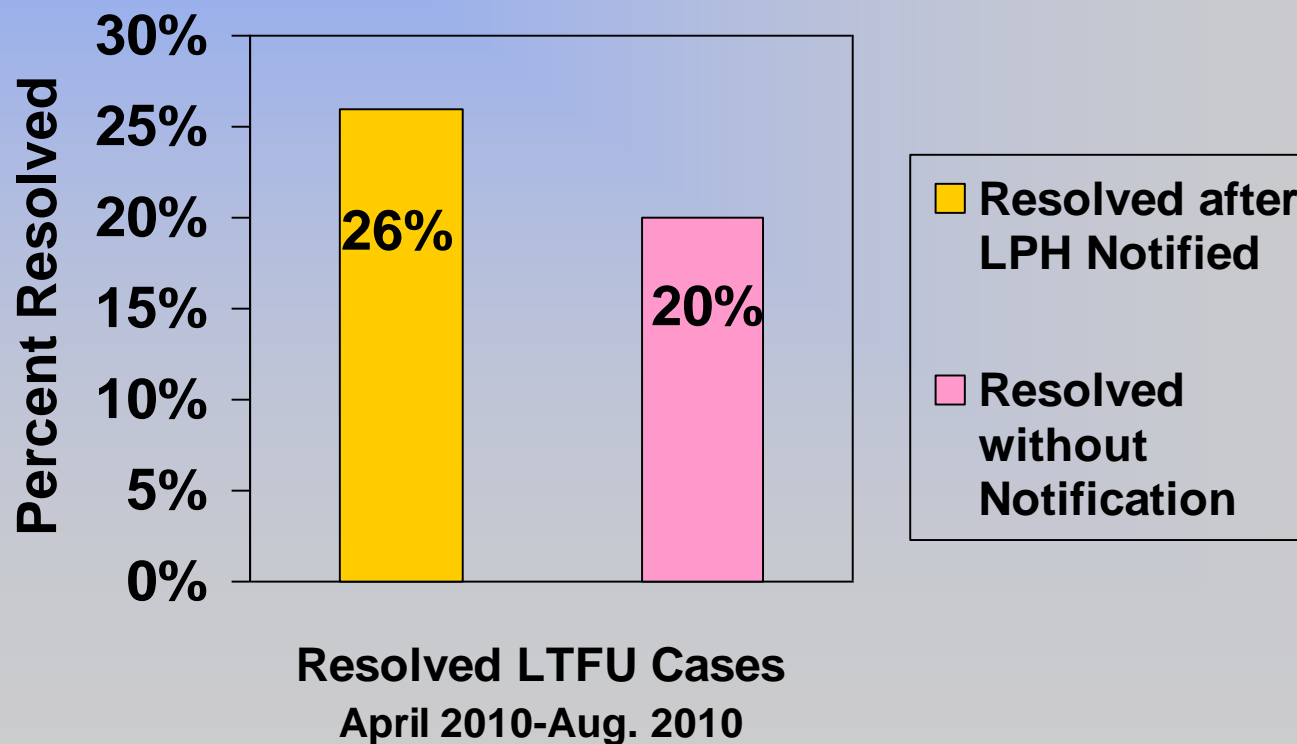
159 rescreen/diagnostic notifications  
April – August 2010

## Reasons:

- No Show or canceled multiple appointments
- PCP recommended follow-up - appt. not made
- MDH has been unable to contact PCP for follow-up
- PCP unknown

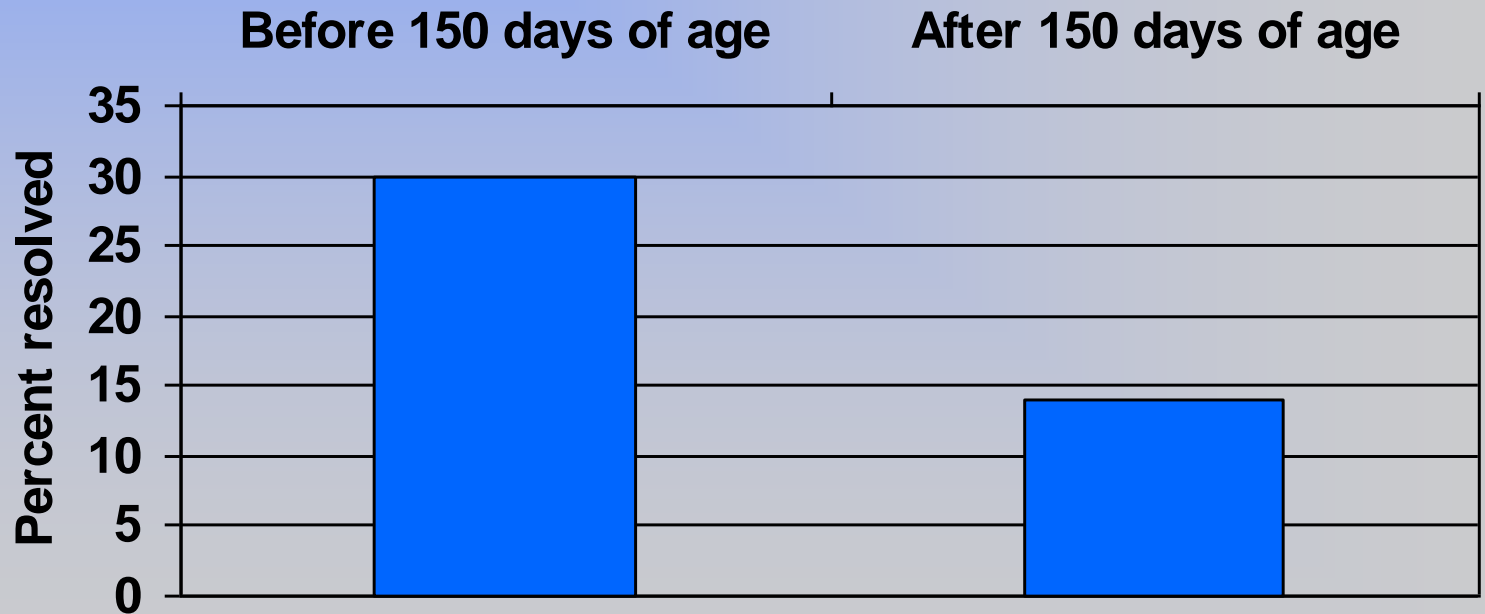
# Screening/Diagnostic Notifications to LPH

## Results are mixed



# Promising Trends

**Timely notification  
result in more cases resolved**



**Cases resolved after referral to LPH**



# Promising Trends

**LTFU codes  
identify areas with more success**

<b>Reason LTFU</b>	<b>% cases resolved after LPH notification</b>	<b>% cases resolved without LPH notification</b>
PCP Unknown	25%	10%
PCP decided not to refer	50%	0%

# 4 Types of Follow-up

## ❖ Lost to the EHDI Surveillance System

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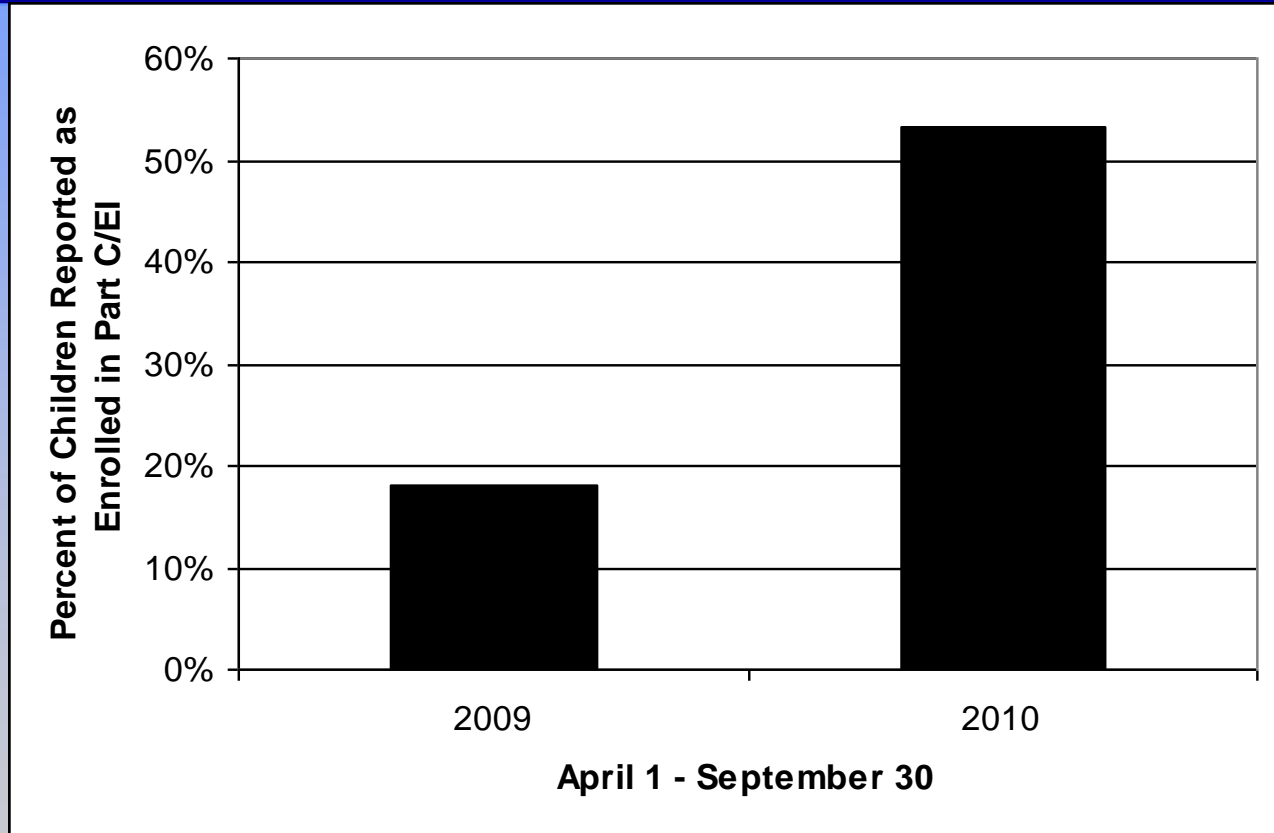
# Notifications Made to LPH for Confirmed Loss

62 Confirmed HL notifications  
(April – September 2010)

- ~3 months after diagnosis
- Assure Connection to Services/Supports
  - Financial resources
  - Early Intervention



# Early Intervention Data and LPH



- % of children reported enrolled in EI improved significantly

# Additional successes

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- New children (previously unreported CHL) reported
- Improved partnerships
- Enhanced awareness

# Next Steps

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- Fine tune payment structure
- More training
  - D/HH specific
  - Care coordination
- Refine MDH Process for Referral to LPH (using data)
- Tribes/counties not participating
- Improvements in data collection
- Collaboration with Birth Defects Information Registry



# Ideas to Apply in Your State

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- Look for existing local public health systems that can be utilized/replicated for EHDI follow-up
  - Home visiting
  - Title V
  - WIC
  - Disease surveillance (Hep. B, TB)

# Contact Information

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**Nicole Brown, MSN, PHN, CPNP**  
**EHDI Coordinator (Long Term Follow-up)**  
**[nicole.brown@state.mn.us](mailto:nicole.brown@state.mn.us)**  
**651-201-3737**

**Kirsten Coverstone, AuD**  
**EHDI Coordinator (Screening/Diagnosis)**  
**[kirsten.coverstone@state.mn.us](mailto:kirsten.coverstone@state.mn.us)**  
**651-201-5223**