

## A Collaborative Approach to Improving Data Collection for 1-3-6





#### Disclaimer

While the information in this presentation in no way proprietary, the project was implemented with CDC funds and the technology is therefore accessible to others. We know that what works for one state may not for another but these are merely lessons we learned while making system changes (*still in process*) that led to improved collaboration and increased data integrity . . .

however, we gladly solicit suggestions!

### Oregon EHDI Needs a Remodel

- Not sustainable-"renting system"
- Ineffective data
- Manual data entry burden
- Process confusion
- Negative stakeholder feedback



Oregon School for the Deaf Extreme Makeover

# The Fax-Back System Bouncing back to EHDI



### Finding the compelling story

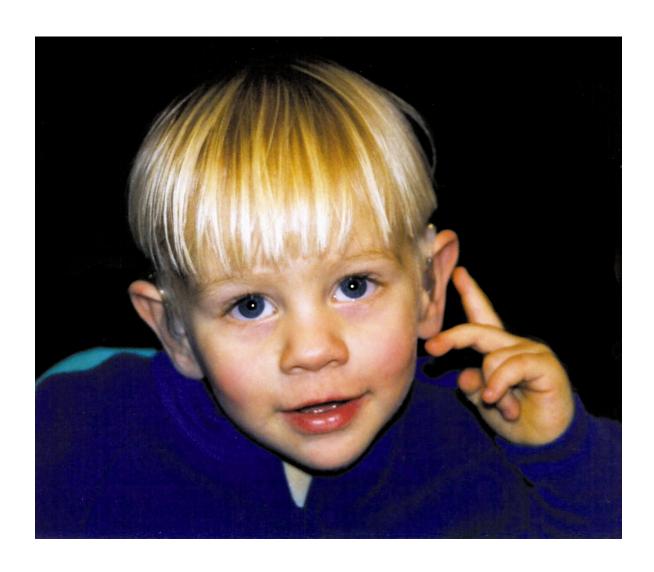
- Reframed "problem" around children's needs
- Tailored to stakeholder perspective
- Joint effort



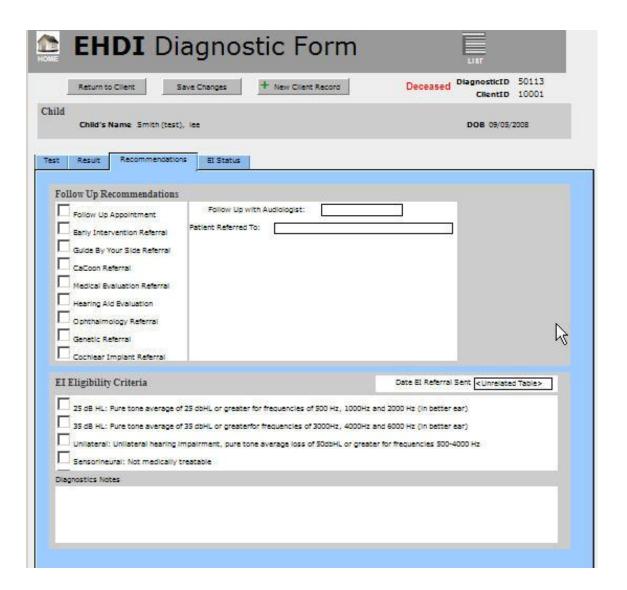
Children from OSD

The secret is to gang up on the problem, rather than each other"—Thomas Stallkamp

#### Case Example: Need for Oversight of El referrals



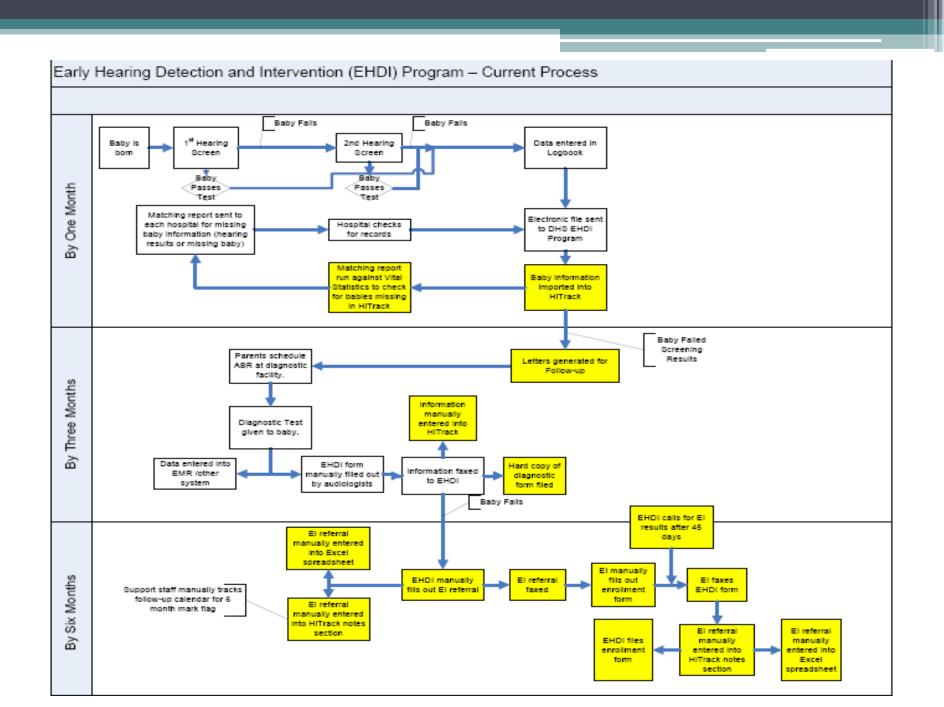
#### Increased Oversight of EI referrals

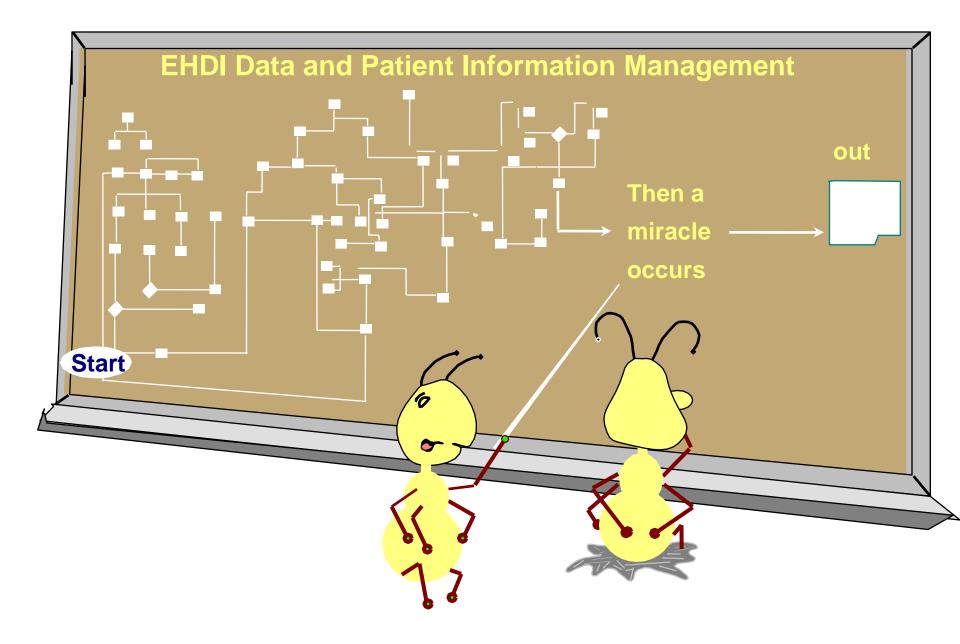


### Survey before the bulldozing

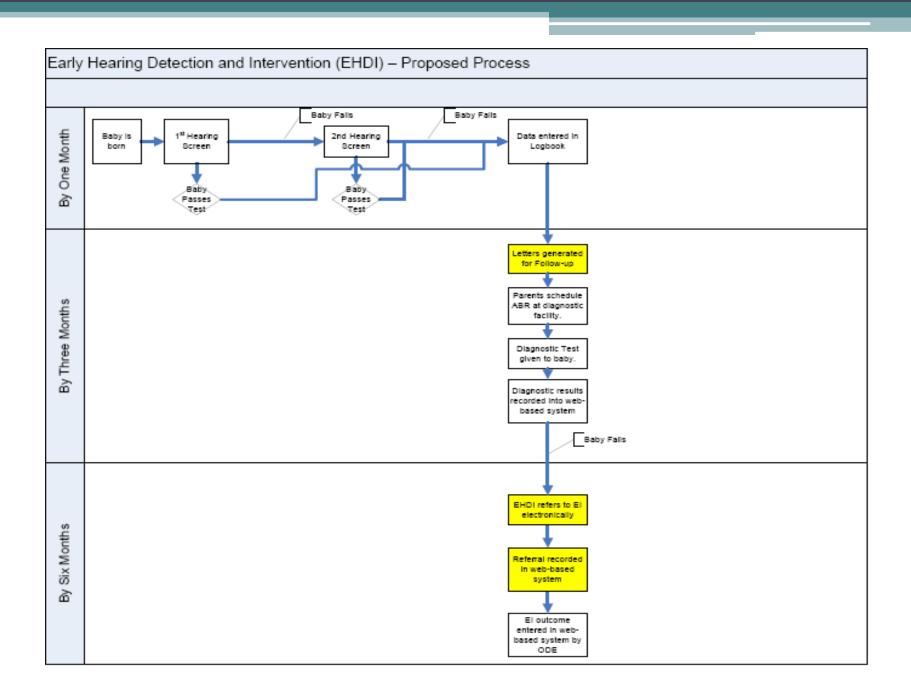
- Met with many potential partners
- Piloted data system
- Pre and post survey
- Cost/benefit analysis
- Approval for Evaluation/Data Coordinator position



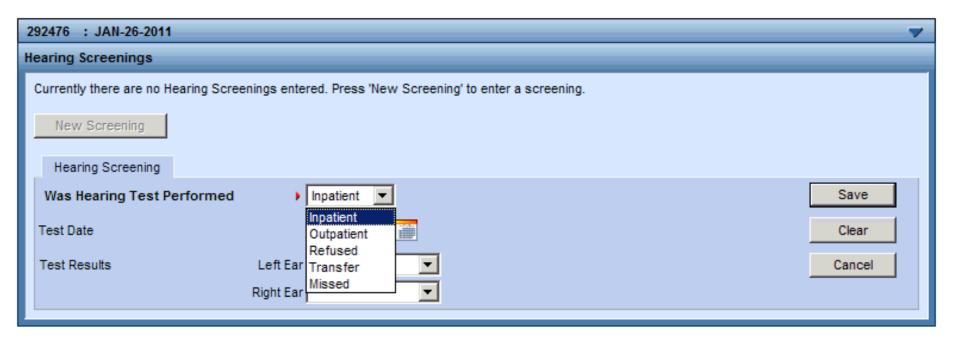




Does this look familiar?



All pilot hospitals reported improved ease of use and reduction in data entry from 6.6 to 1.4 minutes per record



### Cost comparison

|                                   | 2010     | 2011     | 2012     | Total     |
|-----------------------------------|----------|----------|----------|-----------|
| OLD SYSTEM                        | \$74,200 | \$74,200 | \$74,200 | \$222,600 |
| Vendor                            | \$50,000 | \$50,000 | \$50,000 | \$150,000 |
| Servers and<br>Hosting            | \$19,200 | \$19,200 | \$19,200 | \$57,600  |
| OIS Support                       | \$5,000  | \$5,000  | \$5,000  | \$15,000  |
|                                   |          |          |          |           |
| INTEGRATION COST                  | \$35,000 | \$18,000 | \$16,000 | \$69,000  |
| Development                       | \$26,000 | \$9,000  | \$7,000  | \$42,000  |
| Server                            | \$3,000  | \$3,000  | \$3,000  | \$9,000   |
| Filemaker<br>Support              | \$2,000  | \$2,000  | \$2,000  | \$6,000   |
| Vital Statistics<br>Maintence fee | \$4,000  | \$4,000  | \$4,000  | \$12,000  |

## You can't know what is behind the bus before the big reveal

- Set expectations high even if unsure how to meet them
- Collaboration comes with compromise
- Expect unexpected issues
  - Internal resistance
  - Difficulty actually communicating the switch
  - Legislation issues with data elements





## Owning a one room Bungalow can be more beneficial than renting a Mansion

- Self reliance and Sustainability
- Sacrificed data elements but clean
- Increased responsibility but also increased understanding



## Avoid having the engineer do the interior decorating

- Used another program's developer
- Recruited specialized data skills "in-house"
- Contracted out projects
- Increased efficiency



Many ideas grow better when transplanted into another mind than the one where they sprang up.'

— Oliver Wendell Holmes

### Don't paint the house fuchsia

- Ability to blend easily
- Data consistency

Build slowly with a solid

foundation



#### Future collaborations

- Incorporating PCP/ENT's into system
- Linking Results with Immunizations
- Automating follow up processes and prompting facility FU
- Geographical Mapping and "Zoning"



"If you want to build a ship, don't drum up people together to collect wood and don't assign them tasks and work, but rather teach them to long for the endless immensity of the sea"

--Antoine de Saint-Exupery

#### Thank you

Bridget Roemmich, M.P.A. EHDI Program Coordinator Office of Family Health (971) 673-0251 bridget.r.roemmich@state.or.us



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- Oregon EHDI Team
- Oregon EHDI Advisory Board

### Questions, Answers, or Suggestions. . . ?

