THE REAL PAPER REDUCTION ACT

TRANSITIONING TO ELECTRONIC HEALTH INFORMATION EXCHANGE

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OBJECTIVES

- Describe the reporting dilemma
- Describe the benefits of transitioning to Health Information Exchange (HIE)
- Demonstrate the ways that HIE has improve work processes, communication and data
- Assess and determine if HIE is a good fit for their program

FACTS ABOUT OREGON EHDI

- Demographics
 - 45,000+ births a year
 - Newborn Hearing Screening Mandated since 2000
- Reporting requirements
 - 5 days to report birth certificate
 - 10 days to report screening results
- Multiple reporting mechanisms
 - Oregon Vital Events Registry System (birth, death and newborn hearing screening)
 - Electronic health record system
 - EHDI-IS
 - Paper
 - Secure email

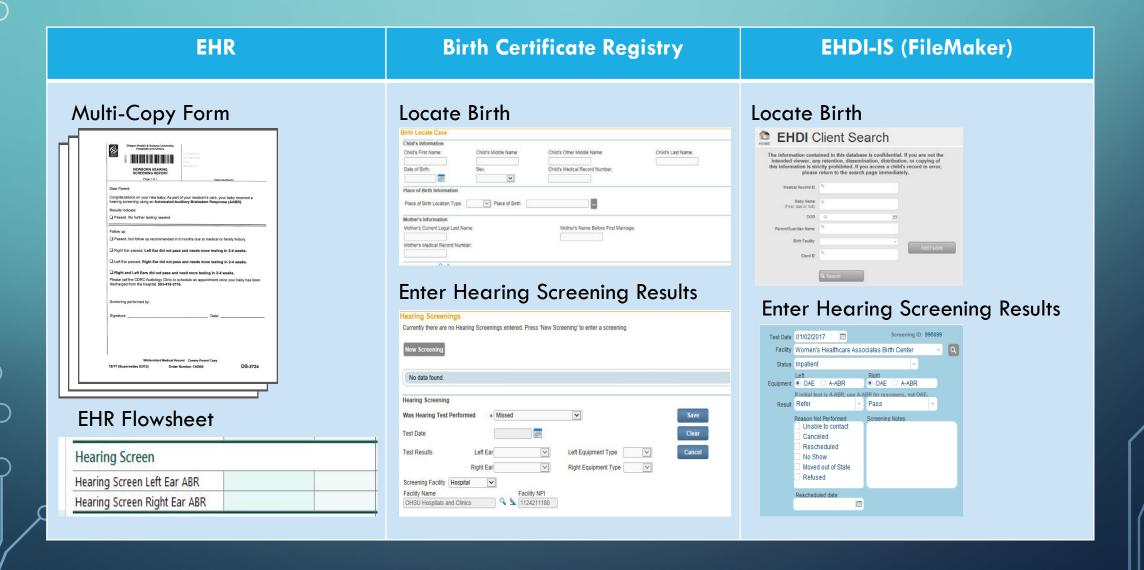


KEEP
PORTLAND
HEARed

FACTS ABOUT OHSU

- Oregon's only academic health center and is nationally distinguished as a research university dedicated solely to advancing health sciences
- Third largest birthing hospital with average 50 births a week
- AABR for well-baby and NICU
- Transfers from WA, OR, ID, CA

REPORTING IN MULTIPLE DATA SYSTEM



OLD WORKFLOW FOR OHSU

Hearing screening completed

EHR

Birth Certificate Registry

EHDI-IS (FileMaker) Hospital Report

Emails from EHDI staff

EHR Review

EHR Review

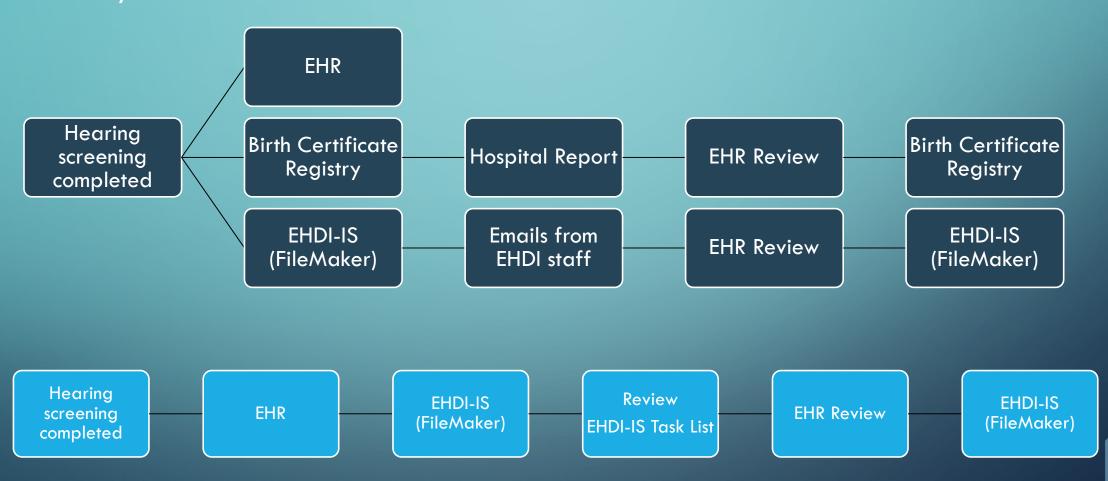
Birth Certificate Registry

> EHDI-IS (FileMaker)

JUST SOME OF THE REPORTING ISSUES.....

- No sheet of paper = no baby = delayed reporting
- Paperwork with mother's information rather than baby
- Birth certificate-transpose MRN numbers or wrong DOB
- Adoptions/Surrogate = babies not in birth certificate registry-issued different kind of birth certificate
- Birth certificate not entered, cannot enter screening results
- Transfer babies have different names in EHDI-IS (FileMaker) than EHR
- Birth/Transfer hospital not completed birth certificate, couldn't report results

OLD/NEW WORK FLOW FOR OHSU



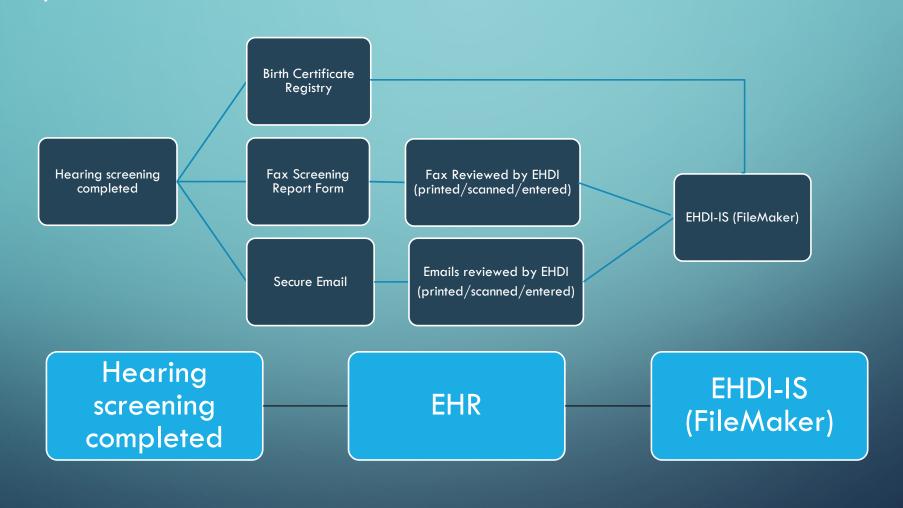
OLD WORKFLOW FOR EHDI

Birth Certificate Registry Hearing screening Fax Screening Fax Reviewed by EHDI (printed/scanned/entered) completed Report Form EHDI-IS (FileMaker) Emails reviewed by EHDI Secure Email (printed/scanned/entered)

REPORTING ISSUES FOR EHDI.....

- Multiple database systems and mechanism for reporting
- Limitations on birth certificate access to birthing hospital
 - Transfers
 - Adoptions/Surrogate-babies
 - Home births
- Duplicate records in EHDI-IS (FileMaker)
 - Birth certificate not entered
 - Names are different

OLD/NEW WORKFLOW FOR EHDI



BENEFITS OF TRANSITIONING TO HIE

- Efficiency
- Optimize timeliness of reporting
- Completeness of data
- Sustainability
- Centralized communication and Quality Assurance reports
- Use of national standards speaking the same language
- Stage 2 and 3 Meaningful Use Incentives

HIE CAN IMPROVE WORK PROCESSES, COMMUNICATION AND DATA

OHSU/EHR sends HL7
messages



EHDI receives HL7 messages

EHDI-IS serves as a centralized hub to facilitate faster communication to partners, families, and providers.

Actions	Outcomes
 Automated tasks Confirm final status Discharged without screening Birth records without HL7 messages 	Eliminates faxing or emails, and uncertainty of results
No-match report for unprocessed HL7 messages	Resolves data entry errors such as MRN or name
Hospital summary report	Quick review of hospital stats (births, screened, #refers, # hearing loss)
Audiologists can communicate between different practices	Eliminates emails, and keeps EHDI staff in the loop

ASSESS AND DETERMINE IF HIE IS A GOOD FIT FOR YOUR PROGRAM

- Cost of Interface (\$5000) for EHR
- IT staff support required
- In most cases state can mirror existing electronic HIE setup (ie Immunization, Lab, Communicable disease reporting)
- Incentives from Centers for Medicaid and Medicare Services (CMS)
- Newborn hearing screening falls under Public Health Meaningful Use Objectives
- Sets up the groundwork for diagnostic audiology reporting
- Risks and Challenges

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QUESTIONS



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Please check out our posters:

#26 "Informatics Project: Electronic Health Information Exchange for Diagnostic Audiology".

#10 "Collect and Match: The Essentials to a Functional Data Wardrobe