Implementing Reporting of Universal Pulse Oximetry Screening Results: From Pilot to Policy to Practice

Minnesota Newborn Screening Program

Amy Gaviglio, MS, CGC
Implementation of Electronic Reporting in MN

• Pilot Project and EHDI
  • As impetus for e-reporting

• Electronic Reporting
  • Learning the Lingo
  • Working with your Agency
  • Purchasing Contract (OZ Systems)
  • Working with Hospitals
Pilot Project

- Fairview Health Systems
  - Six Hospitals (1 tertiary, 4 large community within metro area, 1 rural within health care system)

- Lessons Learned
  - Misinterpretation of Results was Common
  - Need for Built-In Clinic Decision Support
  - Training Materials are Key
  - Electronic Reporting will Help Follow-Up
Hearing Screening Results Reporting

- Historically, reported to MDH on the specimen card, via fax, mail, etc.
- ~3500 go unreported each year, necessitating follow-up by staff with programmatic costs at about $25,000 annually
- Misreporting is a reality
ELECTRONIC REPORTING: A FRAMEWORK FOR IMPLEMENTATION
Electronic Reporting: Learning the Lingo

- Meaningful Use
- EMRs, EHRs, PHRs
- Health Information Exchanges
- Equipment Differences: Streaming vs Not
- HL7, ADT, Flat Files, LOINC, SNOMED, etc.
- NewSteps HIT Committee
Electronic Reporting: Working with Your Agency

- Offices of Health Information Technology (OHIT)
  - e-Health initiatives
- Informatics Staff
  - Interoperability Coordinator
  - Agency IT Architect
  - Project Management Coordinator
  - Chief Information Security Officer and CIO
- Ensure your reporting project aligns with Agency-wide initiatives
Finding a Vendor

• Request for Proposal (18 months!!!)
  – What is your Business Need?
  – Defining SPECIFIC Requirements
  – What role will you have?
  – What role will the vendor have?
  – Don’t forget training and customization
  – Integration with other Programs?

• IT Review, Program Score
MDH and OZ Systems

- **MAY**
  - Contract Signed

- **JUNE**
  - Agency Kickoff

- **JULY**
  - On-Site Training

- **AUGUST**
  - Outreach to e-Health Groups
  - E-Blast to Hospitals

- **SEPTEMBER - PRESENT**
  - ~ 40 Hospitals In Process of Implementation
Electronic Reporting: Working with Your Community

• Other Groups
  – MN Epic User Group
  – MN e-Health Advisory Committee
  – State Certified HIE Providers
    • CHIC, as one example
  – Hospital Association (VP of Information Services)
Electronic Reporting: Working with Your Hospitals

- **Before**
  - Make contact with key facility staff EARLY
    - Nursery Managers and IT Staff
- **Survey**
  - Current capabilities, EMR use, screening equipment use
- **Training**
  - How does this change my everyday life?
## Planning and Organization

<table>
<thead>
<tr>
<th>Master Order</th>
<th>Metadata</th>
<th>Metadata2</th>
<th>Column</th>
<th>Data / Options</th>
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<td>Summary</td>
<td>Group</td>
<td>Pilot Group, Group 1, Group 2, Group 3, Group 4, Group 5, Group 6</td>
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Lessons Learned Thus Far...

• Start Communication Early
• Extend Communication to Multiple Stakeholders
• Speaking the Language is Important
• Patience and Optimism
• Branding
Acknowledgements

• Anthony Steyermark, PhD
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Thank You!

“Someday, all this will be infrastructure.”