

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

Minnesota Newborn Screening Program

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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

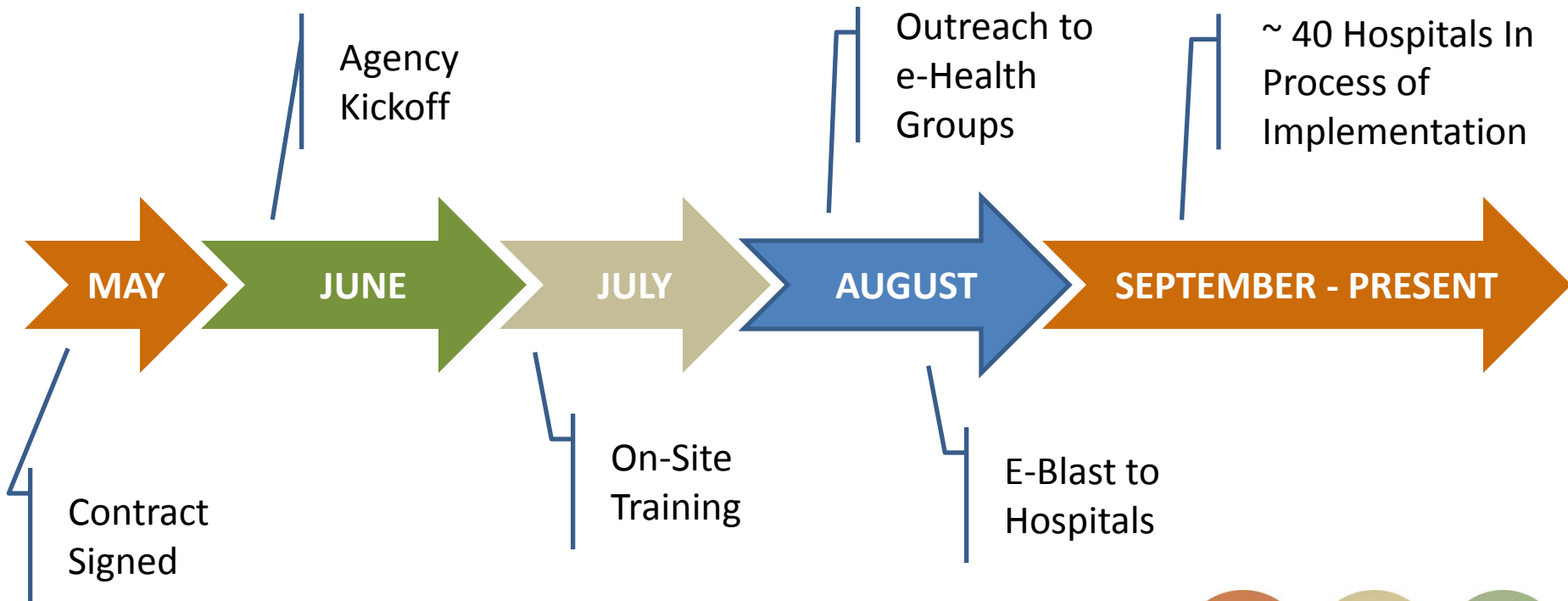


Finding a Vendor

- 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



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

| Master Order | Metadata | Metadata2 | Column | Data / Options |
|--------------|-------------|------------------------|---|---|
| 1 | General | Summary | Group | Pilot Group, Group 1, Group 2, Group 3, Group 4, Group 5, Group 6 |
| 2 | General | Summary | Facility Name | See Tab "Facility Names" |
| 3 | General | Summary | Initial Letter Sent by MDH | Date or N/A |
| 4 | General | Summary | Second Letter Sent by MDH (if needed) | Date or N/A |
| 5 | General | Summary | Intro Session | Date or N/A |
| 6 | General | Summary | Kickoff Meeting | Date or N/A |
| 7 | General | General | Implementation Documents sent from Oz/MDH | Date or N/A |
| 8 | General | General | Hospital received documents from Oz / MDH | Yes / No |
| 13 | Flat File | Pre-Training | Flat File Programming Training Date | Date or N/A |
| 14 | Flat File | Pre-Training | Flat File (Test) Created | Date or N/A |
| 15 | Flat File | Pre-Training | Flat File (Test) Mapped in UAT | Date or N/A |
| 16 | Flat File | Pre-Training | Flat File (Production) Created | Date or N/A |
| 17 | Flat File | Pre-Training | Flat File (Production) Mapped | Date or N/A |
| 18 | Flat File | Pre-Training / Summary | Flat File Pre-Training Tasks Completed | Date or N/A |
| 19 | Flat File | Summary | Flat File Go Live | Date or N/A |
| 20 | Flat File | Summary | Flat File Comments | Text |
| 21 | EHDI / CCHD | Pre-Training | Web-Enabled Computer Confirmed | Yes / No |
| 22 | EHDI | Pre-Training | Program Staff Informational Presentation | Date or N/A |

Lessons Learned Thus Far...

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



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Thank You!



“Someday, all this will be infrastructure.”