



Neonatal Care Report

Implementation Guide for CDA
Release 2 – Level 3

**Children's Hospitals Neonatal
Consortium**



Agenda

1. Introductions – 10 min
2. Meeting Schedule Review – 5 min
3. Project Overview – 30 min
4. HITSP/IHE Cross Walk Discussion – 10 min
5. Next Steps – 5 min

SUBJECT MATTER EXPERTS:

- David J. Durand, MD: ddurand@mail.cho.org
 - Director, Division of Neonatology - Children's Hospital and Research Center Oakland
- Karna Murthy, MD: k-murthy@northwestern.edu
 - Attending Neonatologist, Assistant Professor of Pediatrics, Northwestern University, Children's Memorial Hospital
- Mike Padula, MD: padula@email.chop.edu
 - Attending Neonatologist , Director - Neonatal IT ,Children's Hospital of Philadelphia
- Feliciano (Pele) Yu, MD: fyu@peds.uab.edu
 - Information Technology Division, Children's Hospital of Alabama and University of Alabama at Birmingham School of Medicine – Co-chair HL7 Child Health Work Group

CHCA Project Manager

- Jacqueline Kueser: jacqueline.kueser@chca.com



Project Team: Core HL7Design Team

Role	Name	Email
Project Facilitators	Liora Alschuler Bob Dolin, MD	liora@alschulerassociates.com bobdolin@gmail.com
Modeling facilitator	Bob Dolin, MD	bobdolin@gmail.com
Publishing facilitator	Peter Gilbert	peter.gilbert@altarum.org
Vocabulary facilitator	Gay Giannone MSN, RN	gay@alschulerassociates.com
Data Analyst facilitator	Gay Giannone MSN, RN	gay@alschulerassociates.com
Business requirement analyst	Gay Giannone MSN, RN	gay@alschulerassociates.com
Requirements process facilitator	Joy Kuhl	joy@optimalaccords.com

Meeting Schedule

- **HL7 Neonatal Care Report Working Sessions**
- **Every other Monday, 4-5 eastern**
- **PHONE:** (770) 657-9270, code: 310940
- **URL:**
<https://www2.gotomeeting.com/join/564224978>
- 10/12
- 10/26
- 11/9
- 11/23
- 12/7
- 12/11: Ballot package due to HL7 Headquarters

HL7 WIKI page

- [http://wiki.hl7.org/index.php?title=Neonatal Care Report](http://wiki.hl7.org/index.php?title=Neonatal_Care_Report)
 - Spreadsheet with data element subset
 - Developing XML sample file
 - Developing Implementation Guide
 - Pertinent IHE/HITSP Material
 - Links to CDA education resources

Ultimate Purpose

Improve decision making resulting in neonatal care that is more safe, effective and efficient



Industry Sponsors

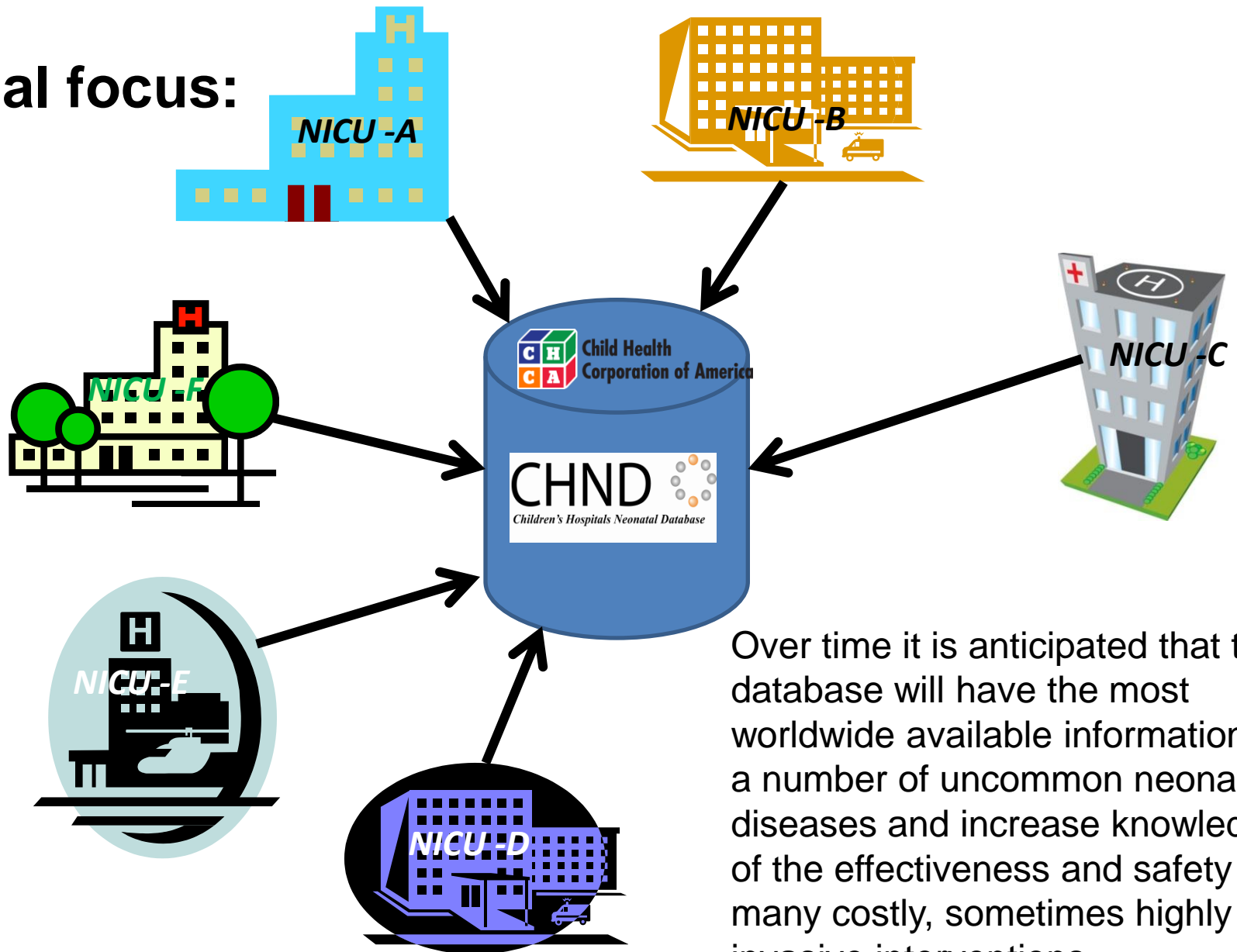
- **Child Health Corporation of America**
 - CHCA Owner Hospitals are North America's leading children's hospitals
 - 43 children's hospitals represent more than 20,000 physicians, 100,000 employees
- **Children's Hospitals Neonatal Consortium**
 - 21+ children's hospital NICUs with unique patient populations interested in collaborating to improve patient care
 - Formed in 2006; Developed extensive list of desired data elements for sharing



Goals

- Use data standards to support electronic reporting of an initial segment of data elements in the CHNC Neonatal Intensive Care Unit (NICU) Core Data Set (CDS) from Neonatal Intensive Care providers to CHNC, managed by CHCA
- Foundation to support for future performance improvement work

Initial focus:



Over time it is anticipated that this database will have the most worldwide available information on a number of uncommon neonatal diseases and increase knowledge of the effectiveness and safety of many costly, sometimes highly invasive interventions

Deliverables

- A prose implementation guide:
 - Defining a subset of NICU monitoring data for reporting
 - Providing consensus among the neonatal data set developers and standards community prior to bringing the full data set into standard format
- A complete CDA report sample file
- Schematron
- A rendering style sheet



HITSP/IHE Alignment

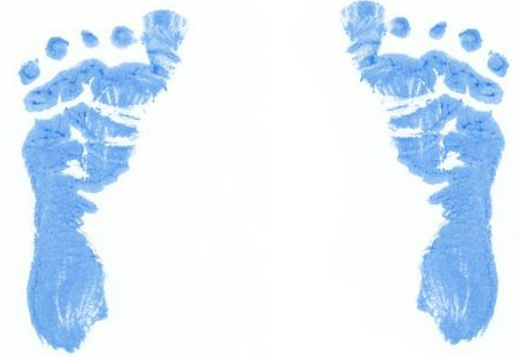


- HITSP past work/current projects
 - HITSP Maternal and Child Health Requirements and Design - HITSP/RDSS155 (examine for common MC data elements)
 - Examine HITSP constraints on CCD templates we are reusing for value add and implementability (e.g.: CCD Medication activity template, CCD Result observation template, etc)
 - Anything else ?
- IHE past work/ current projects
 - [IHE Quality, Research, and Public Health Technical Framework Supplement Mother and Child Health \(MCH\)](#) (examine for common MC data elements)
 - Examine IHE constraints on CCD templates we are reusing for value add and implementability (e.g.: CCD Medication activity template, CCD Result observation template, etc)
 - Anything else ?

Next Steps

- Interested parties review:
 - CHNC NICU core data subset (final)
 - CDA XML sample file (mostly developed, needs to be refined and discrepancies aligned)
- Interested parties provide feedback
- Complete alignment with IHE/HITSP modeling of common data elements as deemed appropriate for use case
- Templates to be entered in database and published into IG word format
- Final IG including introductory text to be developed.

• **VOLUNTEERS?**



Questions ?

