

# **Presentations to ONC HIT Policy Committee on Meaningful Use eVitals Standards**

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## **eVitals Initiative: Goal**

Develop national standards to facilitate the national exchange of birth, death and fetal death records between electronic health record systems and state vital statistics systems

## **Why the eVitals Initiative?**

- ❑ A significant number of data items for Vital Registration are captured in medical records for the:**
  - U.S. Standard Certificate of Live Birth**
  - U.S. Standard Certificate of Death**
  - U.S. Standard Report of Fetal Death**
- ❑ Medical Records have been identified as the preferred source to obtain medical and health data**
- ❑ Believe that there can be improvement in timeliness and quality of the information completed**

# Medical and Health Information Captured for the U.S. Standard Certificate of Live Birth

## Prenatal Care

- Visit Information
- Past pregnancies

## Risk Factors

- Medical Conditions (DM, HTN)
- Infertility Treatment
- Previous C-Section

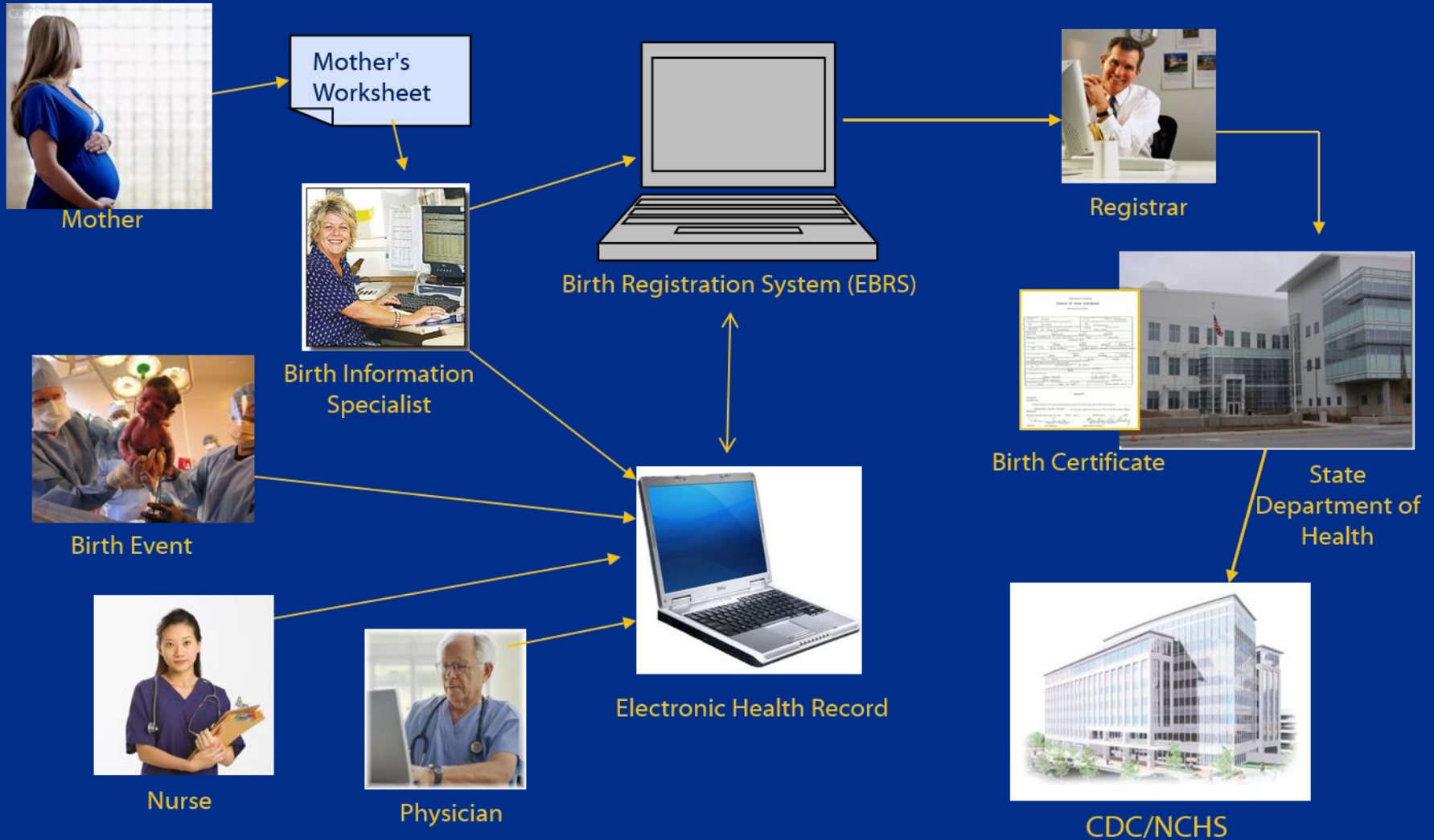
## Labor & Delivery

- Onset of Labor
- Method of Delivery
- Maternal Morbidity

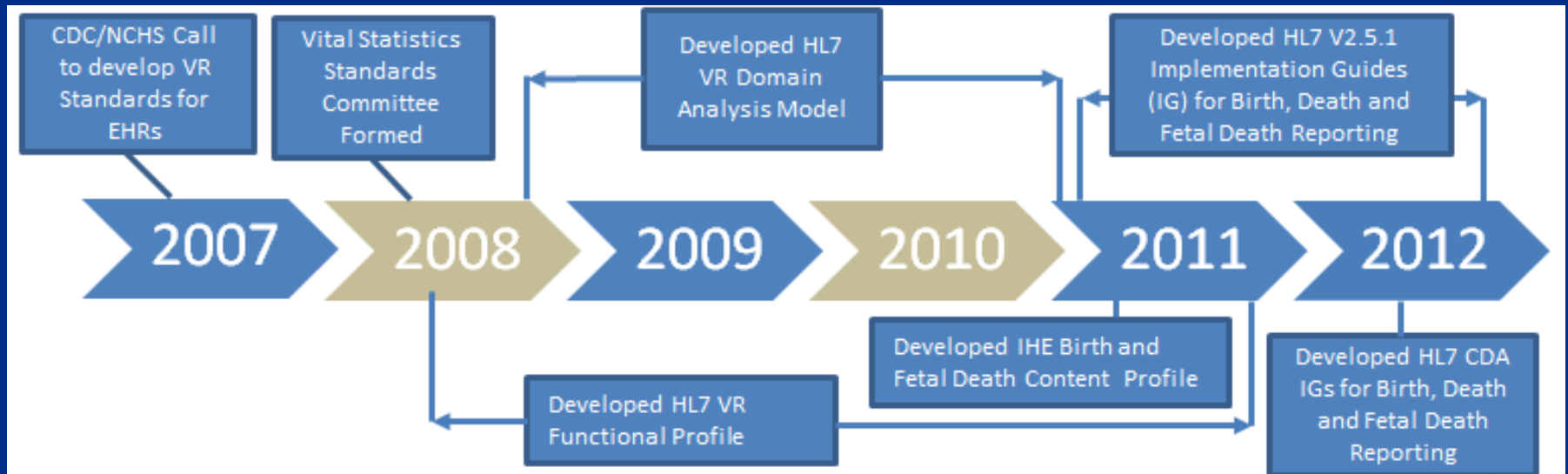
## Newborn

- Birth weight
- Abnormal Conditions
- Congenital Anomalies

# Developing eVitals Standards to Support Capturing VR Data at the Point of Care or Contact



# eVitals Standards Development Timeline



# eVitals Standards MU Readiness Assessment

## □ Stakeholder Engagement

- ✓ Collaborating with the National Association for Public Health Statistics and Information Systems (NAPHSIS) and individual states/jurisdictions to support standards development activities
  
- ✓ Participation in National Standards and Standards related activities
  - Health Level Seven International (HL7)
  - Integrating the Healthcare Enterprise (IHE)
    - IHE 2011 and 2012 Connectathon
    - Healthcare Information Management and Systems Society (HIMSS) 2011 and 2012 Interoperability Demonstrations

# eVitals Standards MU Readiness Assessment

## □ Availability of National Standards

- ✓ Modeling
  - HL7 Vital Records Domain Analysis Model
- ✓ Functional Requirements
  - HL7 Electronic Health Record System (EHR-S) FM Vital Records (VR) Functional Profile
- ✓ Messaging Standards
  - HL7 V2.5.1 and CDA Draft Standards for Trial Use (DSTU) for Birth, Death and Fetal Death Reporting

## □ Certification Criteria

- Plans to reach out to the certification bodies in late 2012/2013 to explore the potential for developing VR certification criteria based on the HL7 EHR-S VR Functional Profile



# eVitals Standards MU Readiness Assessment

## □ Pilot Implementations

- Beginning in late 2012 pending funding availability
  - One State Department of Health
    - Sending test EHR birth data to State Vital Records using HL7 CDA based standards
  - A Second Department of Health
    - Sending test EHR death data to State Vital Records using HL7 V2.5.1 Death Reporting Implementation Guide

# Barriers to eVitals Standards Development and Implementation



- States/Jurisdictions legally responsible for the registration of vital events concerned about the accuracy and quality of data received via EHRs
- Funding to support states/jurisdictions adoption of eVitals Standards
- EHR Vendors Adoption of eVitals Standards and Incorporation in their Product Development
- VR System Vendors Readiness to Receive VR data using National Standard Formats

## **Strategy for Success for eVitals Standards**

- ❑ Utilizing the existing infrastructure and collaboration between CDC/NCHS and NAPHSIS to facilitate education, training, standards development and pilot implementations using eVitals Standards**
- ❑ Funding support for states/jurisdictions to participate in pilot implementations during trial implementation period and provide feedback to enrich draft standards**
- ❑ Ongoing participation in national standards development activities to ensure that standards adhere to national VR standards requirements**

# Impact of eVitals Standards and VR Implementation

- ❑ Support from national standards development and standards related organizations including some international interest
- ❑ Engagement from EHR and VR systems developers in eVitals standards development and implementation
- ❑ Solicitation for more education and information on eVitals Standards Initiative by VR states/jurisdictions
- ❑ Plans for pilot projects and future standards development activities
- ❑ Impact on cost, quality and timeliness of data to be determined

## Contact Information

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