



# **Infant Mortality Collaborative Improvement and Innovation Network (CoIIN) Update: Social Determinants of Health Learning Network**

**Secretary's Advisory Committee on Infant Mortality (SACIM) Meeting  
March 26-27, 2015**

Vanessa Lee, MPH  
IM CoIIN Coordinator  
HRSA/MCHB

Lauren Smith, MD, MPH  
Executive Project Director  
NICHQ

# Session Overview



- **Updates on Infant Mortality CoIIN initiative** (Vanessa Lee)
  - National approach
  - IM CoIIN Structure
- **Overview of the Social Determinants of Health Learning Network** (Lauren Smith)

# Infant Mortality CoIN Partnerships



*In addition to the above partners, we have convened national leaders & experts*

# National Infant Mortality CoIN Common Agenda: More first (+++) birthdays





# Update on National Expansion



- Infant Mortality Summits for **Regions I-III, VII-X** and the **Pacific Basin** were conducted last summer
  - ✓ Infant Mortality action plans
  - ✓ Key strategic priorities – Town Hall
- COLIN strategy team topic areas finalized
- Integration of Regions IV, V and VI



# National CoIN Strategies



- 1. SIDS/SUID/Safe Sleep**
- 2. Smoking Cessation**
- 3. Preconception/Interconception Care**
- 4. Prevention of preterm and early term births (EED and/or 17-P)**
- 5. Risk appropriate perinatal care (perinatal regionalization)**
- 6. Social Determinants of Health**



# CoIN-Wide Aims



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## CoIN-Wide Aims

Decrease Infant Mortality Rate

Decrease Neonatal Mortality Rate

Decrease Postneonatal Mortality Rate

Decrease Preterm-related mortality rate

Decrease SUID mortality rate

Decrease Preterm birth

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*Data source: Provisional state vital statistics data reported quarterly (rolling averages)*



# State Strategy Selection

(n= number of states)



Improve **Safe Sleep**  
Practices  
(n = 38)

Reduce **smoking** before,  
during and/or after  
pregnancy  
(n = 22)

**Pre & Interconception Care**  
Promote optimal women's health  
before, after and in between  
pregnancies during Postpartum  
Visits & Adolescent Well Visits  
(n = 31)

**Social Determinants of Health**  
Incorporating evidence-based  
policies/programs & place-based  
strategies to improve equity in  
birth outcomes  
(n = 25)

Prevent **Pre and Early Term**  
**Births**  
(n = 21)

**Risk Appropriate Perinatal Care**  
**(Perinatal Regionalization)**  
Increase the deliver of higher-risk  
infants and mothers at  
**appropriate level facilities**  
(n = 14)





# National Infant Mortality CoIIN



## Collaborative Learning Network (6)

**Who?** Members commit to aims and measures in population health that are defined for the network. They are the main reservoir of CoIIN members.

1. Improve Safe Sleep Practices
2. Reduce Smoking
3. Pre / Interconceptional Care
4. Social Determinants of Health
5. Perinatal Regionalization
6. Reduce EED / Progestogen Use

## Collaborative Interest Network



# National Infant Mortality CoINN



## Collaborative Innovation Network (COIN)

**Who?** Members of CoINN create, test, and improve an innovation. There are multiple COINs that form and disband, not one network.

**What is done?** Members collaborate to develop promising concepts into the first improvised version that can be put into practice. New COINs form when a collective interest is identified. A COIN can disband when it produces the working prototype. New COINs can continually form to create solutions.

## Collaborative Learning Network (6)

## Collaborative Interest Network



# National Infant Mortality CoINN



## **Collaborative Innovation Network (COIN)**

- Modeling Safe Sleep practices in NICUs
- Safe Sleep Board Books through EI sites
- Discharge Boxes (Finland) to replace gift bags with formula

## **Safe Sleep Collaborative Learning Network**

## **Collaborative Interest Network**

# Infant Mortality Collaborative Interest Network



## Safe Sleep Learning Network

**BTS Model:** Driver Diagram, Measurement Strategy, & Change Package.

Modeling in the NICU (COIN)

Board Books (COIN)

## Smoking Reduction Learning Network

**BTS Model:** Driver Diagram, Measurement Strategy, & Change Package.

Teen Phone App (COIN)

## Pre/Inter-conception Care Learning Network

**BTS Model:** Driver Diagram, Measurement Strategy, & Change Package (Adol. Well Visits, PPM Visit, & LARC)

Virtual Patient Navigator (COIN)

## Risk Appropriate Perinatal & Newborn Care Learning Network

Collaborative Learning Network  
**BTS Model:** Driver Diagram, Measurement Strategy, & Change Package.

Hospital Survey Tool (COIN)

## Social Determinants of Health Learning Network

**Develop Improvement Structure:** Include key documents and changes packages to support state efforts to integrate policies and evidence to address social determinants of health.

Health Dept. Equity Score Card (COIN)

## Reduce EED & Progestogen Use Learning Network

Collaborative Learning Network  
**BTS Model:** Driver Diagram, Measurement Strategy, & Change Package (Progestogen, EED)

Smart Diaphragm (COIN)

# State Selections



Learning Networks	HRSA Regions (N=50)										Total # of States
	I	II	III	IV	V	VI	VII	VIII	IX	X	
SIDS/SUID Safe Sleep	5	1	5	7	5	5	2	3	3	2	38
Preconception/ Interconception Health	4	3	5	1	4	3	2	3	3	3	31
Social Determinants of Health	3	0	2	4	6	2	1	3	2	2	25
Smoking Cessation	3	1	3	4	2	1	1	4	0	3	22
Prevention of Preterm and Early Term Births (Progestogens & EED)	1	2	1	4	2	3	3	4	1	0	21
Risk Appropriate Perinatal Care (Perinatal Regionalization)	1	1	0	4	3	2	1	1	1	0	14



# Virtual Learning Session 1 Dates



VLS1 DATES	LEARNING NETWORKS
February 25 – 26, 2015	Safe Sleep
March 11 – 12, 2015	Smoking Cessation
March 18 – 19, 2015	Preventing Pre & Early Term Birth
March 25 – 26, 2015	Pre & Interconception Care
April 1 – 2, 2015	Risk Appropriate Perinatal Care
April 17, 2015	Social Determinants of Health



# Social Determinants of Health n=25





# Social Determinants of Health Aim Statement (Provisional)



*Building from Region V work to date*

This Learning Network aims to build state and local capacity, and test innovative strategies to shift the impact of social determinants of health and improve equity in birth outcomes.

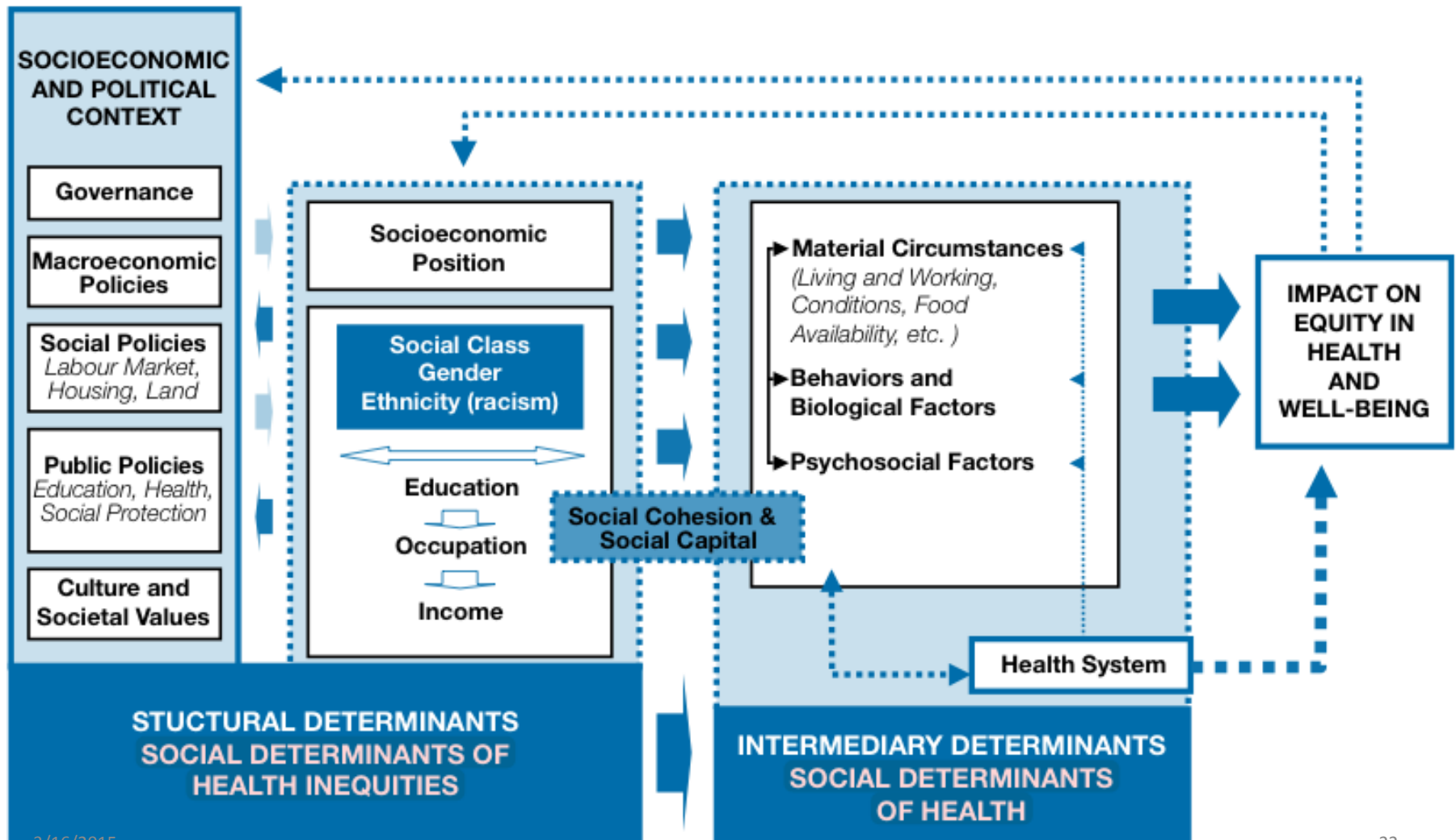




# WHO Framework on SDOH



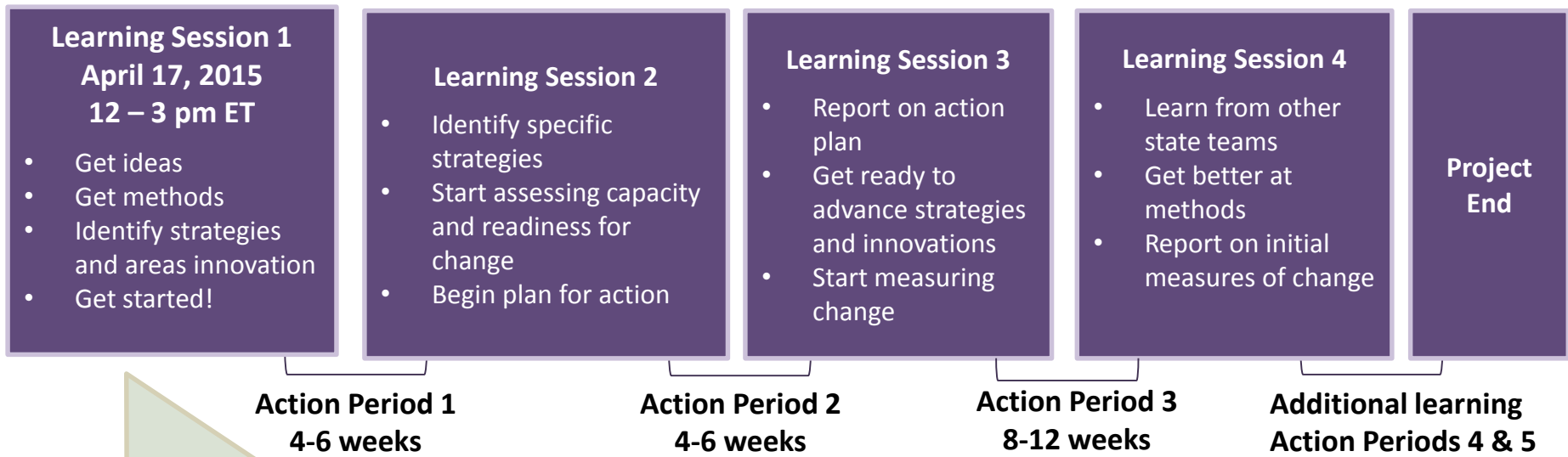
Figure A. Final form of the CSDH conceptual framework



# SDOH Tentative Timeline



## What happens during the Learning Sessions?



**During the first Learning Session, we will:**

- Define the challenge
- Discuss changes we can make to improve
- Introduce a framework for addressing SDOH
- Provide time for teams to give input on strategies at state and local level



**Action Periods:**  
Time for teams to take what they learned, identify areas for improvement, build connections, and start testing on a small scale

# Upcoming Thematic Webinar (Optional Sessions / Open to All)



## Online Community Office Hours

March 24, 2015 1:00 – 2:00 p.m. EST  
Provide team members with a live demonstration of the online community platform.

## Control Charts

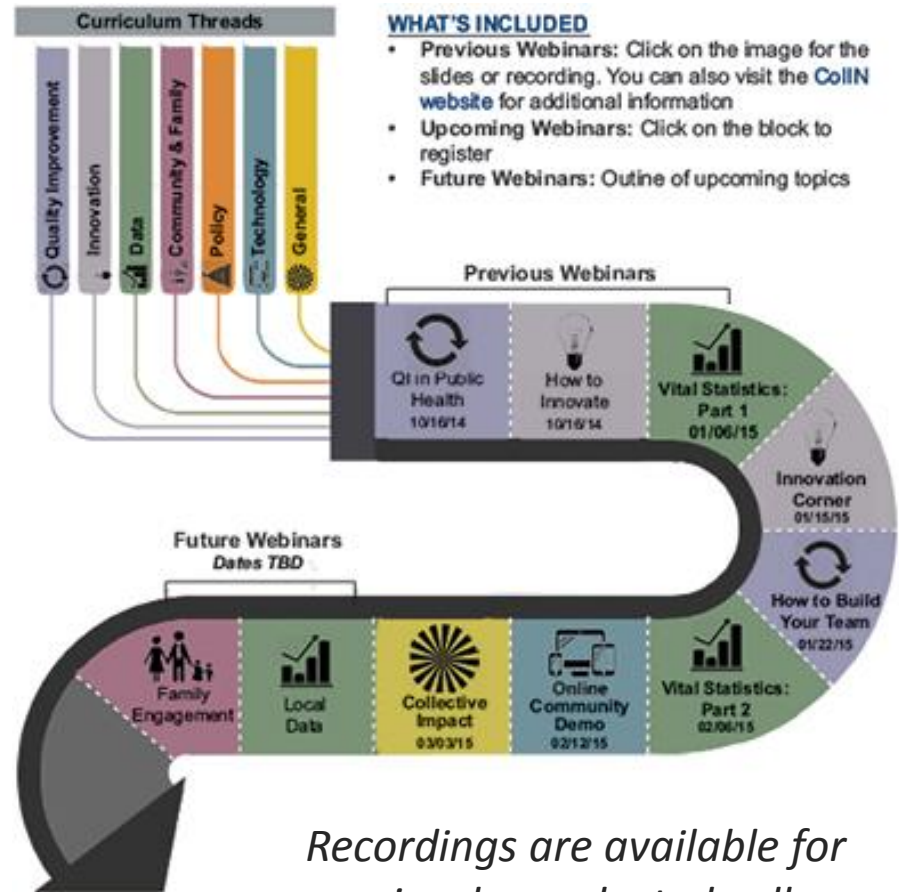
April 14, 2015 1:00 – 2:00 p.m. EST  
An introduction to running control charts, which is how we will look at data over time to assess progress.

## How to Leverage Local Data to Impact Outcomes

April 16, 2015 2:00 – 3:00 p.m. EST

## Innovation Corner

May 7, 2015 1:00 – 2:00 p.m. EST  
Highlight work around resident driven project development and implementation through Educational Opportunity Initiatives.



*Recordings are available for previously conducted calls.*



# Improving Equity in Birth Outcomes



*One word to describe why you are committed to the work of reducing infant mortality (Town Hall 2014)*



# Questions?

