

# Learning Community Meeting

October 18th, 2022

Using Data to Better Understand Inequities in Care and Outcomes:

A Deep Dive into Premier's Perinatal Collaborative

# Agenda

#### Welcome

Premier's Perinatal Collaborative

- Deb Kilday, Principal, Women and Infant Services Line, Premier
- Jennifer Flynn, Senior Director of State Affairs, Premier

Updates from the Field

Adjourn



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#### MATERNAL HEALTH HUB LEARNING COMMUNITY - PREMIER'S W&I PERINATAL COLLABORATIVE

TUESDAY, OCTOBER 18, 1-2PM ET

DEB KILDAY, MSN - PREMIER PRINCIPAL WOMEN AND INFANTS



## **Transforming Healthcare Together**

#### **ALIGNMENT**

4,400+ US hospitals and health systems. 225,000+ other providers

Strategic board alignment

Embedded field force

#### LONG-TERM EXPERIENCE

Member owner tenure averages ~20 years

#### **CO-INNOVATION**

Co-develop solutions with members

Committees composed of ~400 individuals, representing ~130 member hospitals

1,500+ hospitals in performance improvement collaboratives











## **Premier Launches Nationwide Bundle of Joy™ Campaign**

#### We're redefining maternal and infant healthcare in America

## Delivering the best care for mothers is a team effort, join our Bundle of Joy Campaign<sup>™</sup> today.

With 100 billion data points at our disposal and more than 4,000 health systems working together as one, we can ensure every birth is a safe, healthy and joyful journey for mothers and their babies.

- 4K+ health systems sharing information and best practices
- · Partnered with national organizations
- Data on over 1 million annual births & 45% of U.S. hospital discharges.
- Researching therapeutic interventions & assessing clinical efficacy
- · Designing new care models
- · Collaborating with employers and insurers

Every new mother and child deserves the best beginning possible, at the most affordable price point. We're working to make that possible.

Premier's Bundle of Joy Campaign™ is focused on ensuring mothers and babies are always at the center of care,
and supported by the latest evidence, the best doctors and the most successful practices.

Group Purchasing Consulting Collaboratives Technology Advocacy

**Bundle of Joy website** 



## **PINC AI™ AEIX Perinatal Improvement Collaborative**

Launched in 2019 using Premier's proven collaborative methodology, the PINC AI<sup>™</sup> AEIX Perinatal Improvement Collaborative leveraged analytics, education and best practices to accelerate performance improvement, with complete transparency within the membership.



A collaborative of hospitals and health systems creating the culture and infrastructure to ensure the health of women and newborns.



## **Achieving Improved Outcomes – Preliminary Findings**

PINC AI™ AEIX Perinatal Improvement Collaborative aligned improvement efforts with national standards, as well as the goals of national health reform.

Collaborative Focus Area	% Increase from Baseline HRA Site Assessment of Implemented Processes	Dashboard Outcome Measure	% Outcome Change
Severe Maternal Morbidity & Maternal Early Warning System	54%	Severe Maternal Morbidity (Excluding Transfusions) Among Hemorrhage Rate	-4%
Substance Use	43%	Neonatal Abstinence Syndrome Geometric LOS O/E	-24%
Hypertensive Disorders of Pregnancy	38%	Preeclampsia Rate	24%
Sepsis	33%	Sepsis Rate	-8%
Hemorrhage	30%	Maternal Red Blood Cells ≥ 4 Units % Use	-5%
Postpartum Care	24%	Vaginal Readmissions O/E	-32%
Cesarean Birth	20%	PC-02-Cesarean Section	-4%
Venous Thromboembolism	17%	Venous Thromboembolism - Not Present on Admission Rate	-8%



These tables represent preliminary results of 12 hospitals participating in the 2019 Q2 − 2021 Q1 PINC AI<sup>™</sup> AEIX Perinatal Collaborative initiative, through analysis of a pre-initiative High Reliability Assessment, as well as results from outcomes data.



## **HHS Premier Maternal Morbidity and Mortality Data and Analysis Initiative**

The HHS Office on Women's Health is collaborating to advance maternal and infant healthcare in America.

The multi-year collaboration leverages Premier's data and proven performance improvement methodology to scientifically identify drivers of maternal infant mortality and morbidity and implement solutions that will help make America the safest place to have a baby.

The approach is two-pronged.

National Maternal Infant Analysis

Data-Driven Insights on Key Drivers of Harm and Death

Leveraging Premier's unrivaled national research database to analyze and pinpoint the root causes of maternal infant morbidity and mortality.

Perinatal Improvement Collaborative

Data-Driven Collaborative of 220 Hospitals to Scale Evidence-Based Care **Practices** 

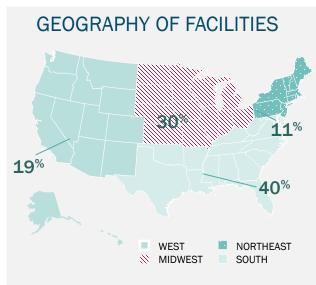
This cohort hospitals from all 50 states that serve patients with greater disparities and health barriers will work together to improve maternal infant outcomes through standardized measurement.



## **HHS National Maternal Infant Analysis**













**25% U.S. Births** 

**Maternal Health Database**\*













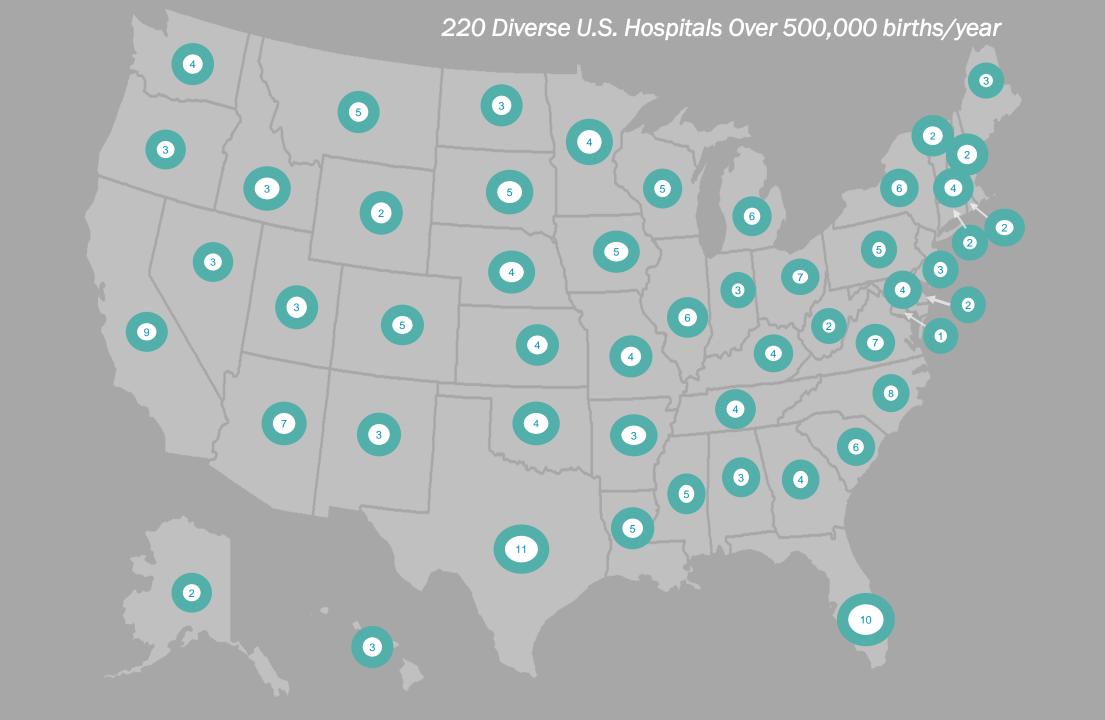
## **HHS Premier Perinatal Improvement Collaborative**

A collaborative of 220 diverse hospitals representing every state that will assess the efficacy evidencebased interventions on maternal infant morbidity and mortality with overarching considerations on health equity including disparities and social determinants.

- Intended to be a Multiyear Initiative
- Aligns and Augments Organizational, State and National Strategies
- 23 Areas of Maternal Infant Focus
- Web-based Collaborative Outcome Dashboard
- Measurable High Reliability Site Assessment (Pre-Post Format)
- Individualized Improvement Roadmap (Project Plan)
- 1:1 Coaching and Mentoring
- PremierConnect® Perinatal Community
- Collaborative Best Practice Sharing
- Focused Education Webinars



Partnership with *MoMMA's Voices* and *NBEC* a coalition of patient advocacy organizations, to ensure patients' voices are heard and this initiative remains person-centered.





## **Collaborative Measurement Strategies**

#### Outcome

#### **PPIC Dashboard**

- 150+ maternal infant measures
- Risk-adjusted metrics
- Population-specific peer benchmarking



#### **Process**

#### **High-Reliability** Assessment (HRA)

- Assesses all perinatal service areas
- Structural review of clinical processes, procedures, standardized care practices
- Team dynamics and Culture of Safety



#### **Implementation**

#### **Project Plan**

- Complements Perinatal HRA report
- Roadmap to guide facilities in implementing change processes
- Interactive plan, customized to reflect each facility's areas of focus





### **Collaborative Areas of Evidence Based Focus**

The initiative will assess the efficacy evidence-based interventions on maternal infant morbidity and mortality. The following outcome areas of focus will be included with overarching considerations on *health equity* including disparities and social determinants.

1.	Hypertensive	Disorders	of Pregnancy
	11) por corror vo	Dicci acic	or regulation

- Cesarean Birth
- **Cardiovascular Conditions**
- Diabetes in Pregnancy
- Obstetric Hemorrhage
- Maternal Mental Health
- Substance Use Disorders
- Neonatal Abstinence (NAS)
- Prematurity
- 10. Sepsis and Infections including COVID-19
- 11. VTE Prevention
- 12. Breastfeeding

- 13. Culture of Safety and Team Dynamics
- 14. Regulatory and Accreditation
- 15. Maternal Levels of Care
- 16. Postpartum Care
- 17. Severe Maternal Morbidity
- 18. Support After a Severe Event
- 19. Shoulder Dystocia
- 20. Social Determinants
- 21. Health Equity
- 22. Risk and Adverse Events
- 23. Care Variation Efficiency

Over 150 outcome measures will be captured to understand clinical and non-clinical factors that impact overall maternal infant outcomes.



## Perinatal High Reliability Assessment (HRA)



1. Assess all perinatal service areas.

Every mom and baby, every where, every time.



2. Interviews with leadership, physicians, nursing and supportive staff and site observations.



3. Structural review of clinical processes, procedures, standardized care practices including order sets.

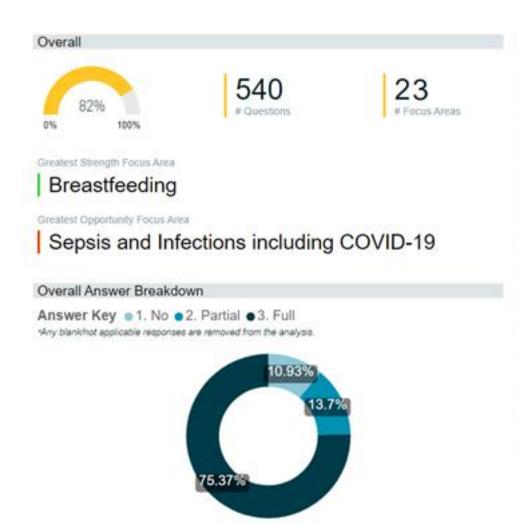


4. Team Dynamics and Culture of Safety

Emergency Triage L&D Postpartum NICU Readmission



## Perinatal High Reliability Assessment (HRA)

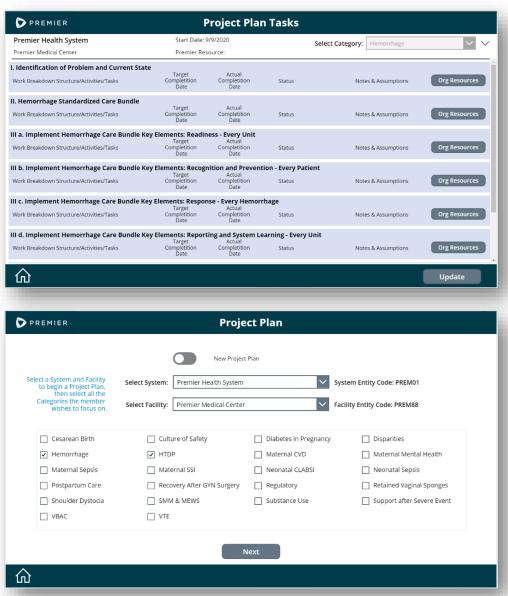






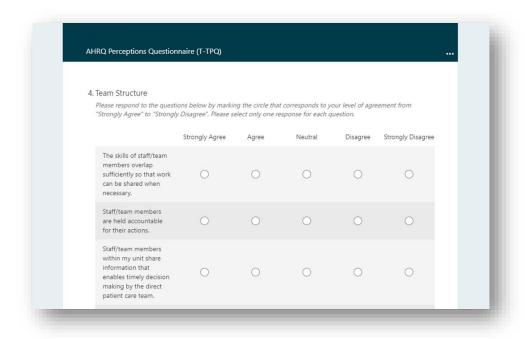
## Roadmap for Improvement – Example Project Plan

- Designed to complement Perinatal HRA report and Collaborative Dashboard
- A step-by-step roadmap to guide facilities in implementing change processes- captures accomplishments and opportunities
- Interactive plan, customized to reflect each facility's desired areas of focus
- Facility drives timelines and milestones needed to move the focus area toward completion





## **AHRQ Teamwork Perceptions Questionnaire (T-TPQ)**





**Purpose**: Identify perinatal team members' perceptions of teamwork

Timing: Approximately 2 months prior to your established on-site visit. Baseline component of the organizations' HRA

Format: Web-based with 35 questions

AHRQ Teamwork Perceptions Questionnaire (T-TPQ)



## Perinatal Improvement Collaborative Dashboard

#### Contains over 150 Maternal and Infant Metrics Stratified to the Patient and Provider Level Individualized Reporting Capabilities Linked Maternal Infant Analysis



All Payer, Robust, Customized Reporting Capabilities Over 1 million births per year

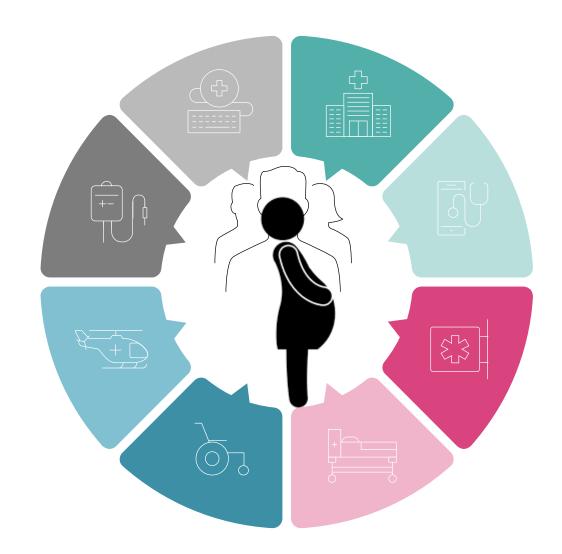
#### Inpatient and Outpatient Data

- **Financial:** Payer, charges, cost (total, fixed, variable), resources (quantity), service date
- Clinical Population: MS-DRG, DRG, 3M APR-DRG, CMS/VBP populations, principle and secondary diagnoses and procedures, POA flags, ICD 9 and 10
- Patient Level Details: Birthdate, age, race, gender, zip code, birth weight, point of origin
- Social Determinants: Z codes to include income and social status; social support networks; education; employment/working conditions; social environments; physical environments; gender; and culture
- **Clinical Outcomes**: Length of stay, readmissions, complications, mortality, outliers, core measures
- **Practitioner:** Attending, consulting, procedure, attributed, discharging. Mapped to relevant clinical specialty. Can include LIP's, residents
- Admission Discharge: Patient ID, Medical record number, admit source, admit type, admit date, patient type, discharge date, discharge status, patient origin
- **Linked Maternal Infant Outcomes:** Maternal health directly linked to infant health outcomes



## Impacts are everywhere women seek care

- Preconception Care
- Physician Offices
- Hospital Visits Antepartum
- Labor and Delivery
- Urgent Care Facilities
- Out-Reach Programs
- Prenatal Education
- Medical Specialty Referrals
- Emergency Department
- Postpartum Care
- Outpatient and Ambulatory Services
- Well-child Care



## **Quality Care Across the Continuum**

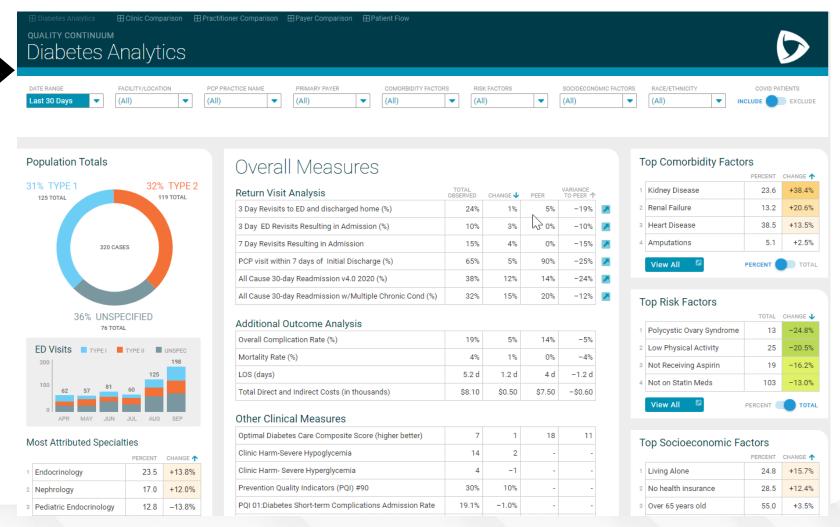
#### Expanding beyond the hospital walls...

#### **Ambulatory Care**

- Obstetrical Care Providers
- Pediatric Care Providers
- **Outpatient Clinics**
- **Ancillary Providers**

#### Bridging the Gap

- Identifying Chronic Conditions or Comorbidities
- Isolating Risk Factors
- Measuring Quality Measures
- Stratifying by Provider, SDOH, Payor, etc. Linking Maternal Infant Health Antenatal - 1 Year Postdelivery
- How does medication nonadherence and PCP follow-up visits affect health system readmissions?





## Questions

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## **List of Hospitals Participating in the HHS PPIC**

Abington Hospital - Jefferson Health

AdventHealth AMITA Health Adventist Medical Center Hinsdale

AdventHealth Shawnee Mission

Adventist Health Bakersfield

Adventist Health Castle

Adventist Health Glendale

Adventist Health White Memorial

Advocate Christ Medical Center

Advocate Lutheran General Hospital

Aiken Regional Medical Centers

AnMed Health Medical Center

Ascension Providence

Ascension Providence Hospital

Ascension Sacred Heart Hospital on the Emerald Coast

Ascension Sacred Heart Hospital Pensacola

Ascension Saint Agnes Hospital

Ascension Saint Thomas Midtown

Ascension Seton Northwest

Ascension St John Medical Center

Ascension St Vincent Carmel

Ascension St Vincent Women's Hospital (includes St Vincent's Hospital)

Ascension St Vincent's Birmingham

Ascension St Vincents Riverside Hospital

Ascension St Vincent's Southside Hospital

Ascension Via Christi Hospital in Manhattar

Ascension Via Christi Hospital in

Pittsburg

Ascension Via Christi St Francis AtlantiCare Regional Medical Center

- Mainland Campus

Atrium Health Cabarrus

Atrium Health Carolinas Medical

Atrium Health Cleveland

Atrium Health University City

Atrium Health Wake Forest Baptist

Atrium Navicent Health Baldwin

Aurora BayCare Medical Center

Aurora Sinai Medical Center of Aurora Health Care Metro

Aurora West Allis Medical Center

Avera Marshall Regional Medical

Avera McKennan Hospital & University Health Center

Avera Queen of Peace Hospital

Avera Sacred Heart Hospital

Avera Sioux Center Health

Avera St Anthony's Hospital

Avera St Luke's Hospital

Avera St Mary's Hospital

Ballad Franklin Woods Community

Banner - University Medical Center Phoenix

Banner - University Medical Center Tucson

Banner Churchill Community

Hospital

Banner Del E Webb Medical Center

Banner Desert Medical Center

Banner Estrella Medical Center

Banner Gateway Medical Center

Banner North Colorado Medical Center

Banner Thunderbird Medical Center

Banner Wyoming Medical Center

Baptist Hospital of Miami

Bantist Memorial Hospital Memohis. Women's Hospital

Bayfront Health - St Petersburg

Baystate Medical Center

Beebe Healthcare - Margaret H Rollins Lewes Campus

BMHCC-Desoto Hospital

Bon Secours Mercy Health - Lourdes

Boulder Community Footbills Hospital

Bozeman Health Deaconess Hospital

Billings Clinic Hospital

CAMC General Hospital

Camden Clark Medical Center

Capital Health Medical Center -Hopewell

Carroll Hospital

Centennial Hills Hospital Medical

Central Maine Medical Center

Charlton Memorial Hospital

Chesapeake Regional Medical

Cheyenne Regional Medical Center -

CHI Flaget Memorial Hospital

CHI Health Creighton University Medical Center - Bergan Mercy

CHI MercyOne

CHI Saint Joseph London

CHI St Alexius Health Bismarck

CHI St Alexius Health Dickinson Medical Center

CHI St Alexius Health Williston

Medical Center

CHI St Joseph Med Ctr Tacoma-WA

CHI St Vincent Hot Springs

CHI St. Joseph East

Christiana Hospital

Cone Health Alamance Regional Medical Center

Cone Health Moses Cone Hospital

Conway Medical Center

Cooper University Hospital

Corona Regional Medical Center

Doctors Hospital at Renaissance

East Alabama Medical Center -Opelika

Einstein Medical Center Montgomery

Einstein Medical Center Philadelphia

El Camino Hospital - Mountain View

Elliot Hospital Solution Health

Fairbanks Memorial Hospital

Forest Hills Hospital

Fort Duncan Regional Medical

Frederick Health Hospital

George Washington University Hospital

Hartford Hospital

Health Partners Hudson Hospital

Health Partners Regions Hospital

Henry Ford Hospital

Henry Ford Macomb Hospital -Clinton Tow

Henry Ford W. Bloomfield Hosp

Henry Ford Wyandotte Hospital

Hilo Medical Center

Intermountain Medical Center

Intermountain Utah Valley Hospital

John Muir Health - Walnut Creek Medical Center

Kapiolani Medical Center for Women

& Children Kent Hospital Warwick Care New

Lakeview Hospital

England

LCMC Touro Infirmary

LCMC West Jefferson Medical

Manatee Memorial Hospital

Martin Luther King Jr Community Hospital

McLaren Flint

McLaren Greater Lansing

McLeod Regional Medical Center

Mercy Health - Springfield Regional Medical Center

Mercy Health - St Elizabeth Boardman Hospital

Mercy Health - St Vincent Medical

Mercy Hospital St Louis

Methodist Hospital

Methodist Hospital of Nebraska Methodist Health System

Mississippi Baptist Medical Center

Montefiore Hospital - Finstein

Campus Montefiore Wakefield Campus

Mosaic Life Care at St Joseph -Medical Center

Mount Sinai Medical Center

NEA Baptist Memorial Hospital

Nebraska Methodist Fremont Health

North Kansas City Hospital

North Mississippi Medical Center -

Gilmore-Amory North Mississippi Medical Center -

North Mississippi Medical Center -

North Oaks Medical Center

Northeast Georgia Medical Center Northwell Long Island Jewish

Medical Northwell North Shore University

Hospital (Manhasset) Northwell South Shore University

Northwestern Medical Center

O'Connor Hospital

Opelousas General Health System -Main Campus

Orlando Health Winnie Palmer Hospital for Women and Babies

OSF Saint Francis Medical Center

PeaceHealth Ketchikan Medical Center

PeaceHealth Peace Harbor

PeaceHealth Sacred Heart Medical Center at RiverBend

PeaceHealth Southwest Medical

PeaceHealth St John Medical Center

PeaceHealth St Joseph Medical Center Bellingham

Presbyterian Hospital

Presbyterian Plains Regional

Presbyterian Rust Medical Center

Quorum Mountain West Medical

Quorum Vista Medical Center

Rancho Springs Medical Center

Riverside Regional Medical Center

Riverside Shore Memorial Hospital

Rochester General Hospital

Rumford Hospital Saint Francis Hospital

Salem Hospital

Sarasota Memorial Hospital

SCL Good Samaritan Medical

SCL Holy Rosary Healthcare

SCL Lutheran Medical Center

SCL Saint Joseph Hospital

SCL St James Healthcare SCL St Vincent Healthcare

Self Regional Healthcare

SIH Memorial Hospital of Carbondale Sinai Hospital of Baltimore

Southern New Hampshire Medical Center Solution Health

Southside Regional Medical Center

Spring Valley Hospital Medical

St Francis Downtown

St Francis Medical Cente

St Luke's University Hospital Anderson

St Luke's Boise Medical Center

St Luke's Hospital

St Luke's Magic Valley Medical

St Lukes Meridian Medical Center

St Mary's Hospital

St Mary's Regional Medical Center

St Vincent's Medical Center

St. Josephs Candler Hospital St. Luke's Hospital

St. Mary's Health System

Summa Health System - Akron

Summerlin Hospital Medical Center Terrebonne General Medical Center

Texas Health Arlington Memorial

Texas Health Dallas

Texas Health Dentor Texas Health Harris Methodist Fort

Texoma Medical Center The Children's Hospital at OU

The Medical Center Navicent Health The University of Vermont Medical

Tri Health Good Samaritan Hospital

UHS Doctors Hospital of Laredo UHS Northwest Texas Hospital

UnityPoint Health - Meriter

Union Hospital

UnityPoint Health Sioux City - St Luke's Regional Medical Center

UnityPoint Iowa Methodist Medical Center Blank Children's Hospital

UnityPoint St. Luke's University Hospital UVA

University Hospitals Cleveland

Medical Center University Hospitals Geauga Medical

University of Arkansas for Medical

University of Tennessee Medical

WakeMed Raleigh Campus

Wellington Regional Medical Center WellSpan York Hospital

Sciences Medical Center

Women & Infants Hospital Care New England

HHS 220 Hospitals Participating in New Maternal and Infant Care Collaborative

Hospital

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## Maternal Health Conferences

#### **American College of Nurse-Midwives: Health Policy Summit**

- November 14-15
- Register: <a href="https://healthpolicysummit.midwife.org">https://healthpolicysummit.midwife.org</a>

# National Association of Medicaid Directors: Fall Conference: Strong and Stable Families Track (will have a strong emphasis on maternal health)

- November 14-16
- Register: <a href="https://events.medicaiddirectors.org/">https://events.medicaiddirectors.org/</a>

### March for Moms: Enhancing Community Resilience to Improve Maternal Health

- November 18
- Register: <a href="https://www.eventbrite.com/e/2022-enhancing-community-resilience-to-improve-maternal-health-tickets-405924449957">https://www.eventbrite.com/e/2022-enhancing-community-resilience-to-improve-maternal-health-tickets-405924449957</a>



## Recent Resource Releases

#### The National Partnership for Women & Families

- Full-Spectrum Doulas Expand Reproductive Health and Justice
- Improving our Maternity Care Now Series:
  - Doula Support Report & Recommendations

### **Duke Margolis Center for Health Policy**

 Embedding Equity into Perinatal Health Alternative Payment Models to Improve Maternal Health Outcomes



# Raising the Bar Part 2 Extension

- The Task Force will continue to support the National Partnership for Women & Families on the <u>Raising the Bar Part 2</u>, a project in which the <u>RtB</u> framework is applied to maternal and newborn health to demonstrate how health care can improve care delivery in ways that:
  - ✓ Respond to people's individual needs
  - ✓ Address bias and discrimination
  - ✓ Improve quality of services
- As part of this support, the Task Force will create resources that serve to translate some of the RTB action items into practical, operational processes, in the following areas:
  - ✓ Data Collection and Sharing
  - ✓ Linking Payment to Equity and Outcomes
  - ✓ Expanding Coverage and Rebalancing Payment



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