

Anthem Blue Cross and
Blue Shield Foundation, Inc.

Final Grant Evaluation

JAN. 15, 2018



Safe Deliveries Colorado



PARTNERS



Evaluation

Organization Name:

Colorado Center for the Advancement of Patient Safety (CCAPS)
7335 E. Orchard Road
Greenwood Village, CO 80111-2582
John Savage, Director of Quality Improvement and Patient Safety

Project Title:

Safe Deliveries Colorado

Grant Duration:

24 months + 12 months no-cost extension

Your Participants:

GRANT OBJECTIVE:

Reduce low birth weights in Colorado by engaging a group of Colorado hospitals and OB providers (OB/Gyn and Family Practice physicians and midwives) to prevent preterm births, reduce low birthweight deliveries and improve infant outcomes.

GOAL TOTAL NUMBER OF PARTICIPANTS TO ACHIEVE GRANT OBJECTIVE:

1,760

ACTUAL TOTAL PARTICIPANTS:

Participant Type	Projected Number	Actual Number
Pregnant Patients	1,760	1,935
Providers	0	36
Staff Members	0	60
Total	1,760	2,031

PRIMARY GRANT PERFORMANCE METRIC RESULTS:

High-risk expectant women deliver babies weighing more than 5.5 lbs in 250 participants.

NUMBER OF PARTICIPANTS TO ACHIEVE PRIMARY GRANT METRIC RESULT:

250

Results

Number of program participants that achieved primary metric result:

At this ending period of the grant, 13 of the 19** grant participating hospitals achieved values lower than the Colorado state average for babies delivered weighing 5.5 lbs or less for the 2014, 2015 and 2016 calendar years.

Cumulative data for these 13 aforementioned hospitals is listed below. This table illustrates the Colorado state average for each respective grant year, as well as the number of deliveries below the Colorado state average 13 of the 19 participating hospitals had for the respective year.

***Thirteen of the 19 grant participating hospitals experienced deliveries below the Colorado state average for all three grant years. Additionally, two of the remaining six experienced deliveries below the Colorado state average for two of the three grant years. Only three of the 19 hospitals experienced deliveries above the Colorado state average for all three grant years. NOTE: one of the grant participating hospitals did not sign a release for CCAPS to receive their data.*

Low Birthweight Deliveries

Colorado State Average	2014: 9.0% or 5,992 deliveries	2015: 9.2% or 6,196 deliveries	2016: 9.2% or 6,163 deliveries
Number of deliveries <u>below</u> the Colorado state average for 13 of 19** Anthem Safe Deliveries hospitals.	256 deliveries	294 deliveries	269 deliveries

Success of secondary metric goals and results:

CCAPS accomplished its secondary metric goals and results and was able to educate staff and providers about the role of 17P progesterone supplementation for the prevention of preterm labor in patients with a history of preterm labor and delivery.

CCAPS was able to accomplish this goal as a result of the partnerships CHA developed with community and professional organizations that supported the goal of education throughout the process, not just with the endpoint in mind. CCAPS partnered with the following organizations: the March of Dimes (MOD), the Colorado Perinatal Quality Collaborative (CPCQC), the Colorado Department of Public Health and Environment (CDPHE), The American College of Obstetricians and Gynecologists

(ACOG), the Association of Women's Health, Obstetric, and Neonatal Nurses (AWHONN), the American College of Nurse Midwives (ACNM), Families Forward Resource Center, the Metro Area Rural Connection and Lumara Health™ (a division of AMAG Pharmaceuticals).

A Safe Deliveries committee was convened that included multiple providers, including doctors in maternal-fetal medicine, certified nurse midwives, a neonatal nurse practitioner, a nursing administrator and the Maternal and Child Health Director at the MOD. The professional relationships forged during this project will provide many opportunities for collaboration moving forward, as well.

Additionally, the Safe Deliveries cohort hospitals had lower rates of primary C-section when compared with the Colorado state average.

Primary C-section Rate

	2014	2015	2016
Colorado state average	16.6% (11,001)	16.5% (11,112)	16.4% (10,986)
Anthem Safe Deliveries hospital average	15.9% (4,569)	15.8% (4,579)	15.8% (4,611)

Results continued

Rank overall primary metric success

ACHIEVED MODERATE SUCCESS

Thirteen of 19 cohort hospitals experienced success. For these hospitals the rate of delivery of infants weighing less than 5.5 lbs or less was lower than the Colorado state average, and two of the remaining six hospitals had rates below the Colorado state average for two of the three grant years. Three of the hospitals experienced rates above the Colorado state average for all three of the grant years. NOTE: one of the hospitals did not sign a release for CCAPS to receive their data.

Impediments:

A February 2011 ACOG Committee Opinion originally recommended the use of antenatal steroids for fetal lung maturation between 24 0/7 and 33 6/7 weeks gestation, including women with PROM and/or multiple gestations. However, an October 2016 ACOG Committee Opinion reflected the benefit of corticosteroids for pregnant women at high risk of late preterm birth, between 34 0/7 and 36 6/7 weeks as a result of the Antenatal Late Preterm Steroids (ALPS) trial. The ALPS trial was a double-blind, placebo-controlled, randomized clinical trial designed to evaluate the use of antenatal betamethasone for pregnant women at high risk of delivery in the late preterm period.

Given the changing clinical guidelines, CCAPS changed the grant approach from three-pronged where antenatal steroids, preterm labor assessment and progesterone supplementation were addressed to a two-pronged approach in order to focus on preterm labor assessment and progesterone supplementation. The primary result was therefore impacted by this course of events.

Work to improve future results:

In site visits at cohort hospitals, one of the topics of discussion that repeatedly arose was the desire/need to simplify progesterone access. Navigating payor approval systems was identified as a barrier to access. One identified solution is a centralized progesterone phone number and person(s) for the state of Colorado to help ensure patients that are eligible to receive 17P for the prevention of preterm labor are able to receive it without delay caused by inability to pay or difficulty navigating the “system” for obtaining 17P. In the most simple sense, Colorado providers advocated for a more simple navigation solution, a “one stop shop,” for obtaining 17P approval for their patients. Such a system has proven successful in Ohio. CHA intends to work with Anthem Foundation to leverage this understanding and preliminary success in Ohio in a future initiative.

Goals

Goals for media and public awareness/publicity:

- Press release distributions at the project start and completion noting the project purpose, grant funder (Anthem Blue Cross and Blue Shield Foundation), project partners, participating hospitals and the value to the community (progress/impact). This will be distributed to media statewide (by CHA) and locally (by hospitals) and promoted on social media.
- Headline on front page of CHA.com with the above information at the start of the project.
- Progress updates and materials (handouts, infographic, etc.) shared with Colorado hospital leaders via the Association's daily e-newsletter and CHA.com.
- A banner provided to each participating hospital noting the hospital's commitment to quality of care for moms and babies and acknowledging the support provided by Anthem Blue Cross and Blue Shield Foundation.
- Recognition of Anthem Blue Cross and Blue Shield Foundation's support in social and other media managed by CHA.
- The Director for Quality Improvement and Patient Safety will provide:
 - Regular reports to the CHA Board of Trustees regarding the project, including acknowledgement of Anthem Blue Cross and Blue Shield Foundation as the project funder.
 - Annual reports to quality leaders at all Colorado hospitals via the CHA Patient Safety Newsletter.

Achievement of comprehensive public awareness goals:

CCAPS was very successful in meeting its comprehensive awareness goals. CCAPS distributed press releases, and its parent organization, CHA, hosts a project webpage dedicated to the project. CCAPS conducted face-to-face site visits with providers and relevant staff members, provided timely updates regarding project progress to relevant parties, conducted multiple educational webinars and held three one-day conferences presented by national and local experts where topics covered strategies for prevention of preterm birth and low birthweight infants. Participating hospitals prominently displayed a Safe Deliveries banner, project updates were provided through the CHA e-newsletter for hospital leaders and via the e-newsletter for quality leaders across Colorado, a project newsletter was distributed monthly to contacts at participating hospitals, progress reports were presented at CHA Clinical Excellence Council and Board of Trustees meetings, and formed lasting partnerships with professional, as well as, community organizations.

Safe Deliveries project posters were presented at the March of Dimes Prematurity Prevention Conference in September 2015 and at the International Forum on Quality and Safety in Healthcare in April 2016.

Additionally, this project was presented to approximately 200 conference participants by one of the nurse consultants for the project and two other nursing leaders at the AWHONN national conference in New Orleans in June 2017.

Safe Deliveries Colorado FAQs – Original

What is “Safe Deliveries Colorado?”

Safe Deliveries is an initiative aimed at reducing preterm births and low birthweight deliveries in hospitals across Colorado. It was created in partnership among Colorado Hospital Association (CHA), Colorado Perinatal Care Quality Collaborative (CPCQC), March of Dimes Colorado/Wyoming Chapter and Anthem Blue Cross and Blue Shield Colorado.

Why this initiative?

Preterm birth is one of the most significant challenges to maternal-child health in the United States. It complicates one in nine deliveries and accounts for more than 85 percent of all infant mortality. Infants who are born preterm are at greater risk of dying in the first year of life. Of those who survive, there is increased risk of repeated hospital admissions and adverse outcomes, including cerebral palsy and long-term disability, creating a lifetime of challenges for the infants affected and difficulties for families and communities.

Who is participating?

All 51 Colorado hospitals that provide birthing services are being invited and encouraged to participate along with physicians, midwives and other who provide obstetrical services. A number of hospitals, both large and small, have already joined.

What is expected of participating hospitals?

Hospitals that choose to participate in the initiative are being asked to:

- Work with OB providers on staff at the hospital to implement best practices supported by the initiative.
- Identify a physician champion who help to communicate to the OB providers and enlist their adoption of best practices.
- Collect data when requested to evaluate the progress of the initiative.

What is expected of providers?

Providers are being asked to standardize their use of antenatal clinical guidelines endorsed by ACOG and other national medical associations. Initially, work will focus on antenatal administration of 17OHPC for patients with a prior history of premature rupture of membranes and preterm delivery, as well as use of the March of Dimes premature labor assessment toolkit.

How will hospitals and physicians be supported in this work?

Hospitals and OB providers will have access to education, clinical guidelines, quality improvement resources and data analytics to support this important work. They will have the opportunity to network with others to share best practices.

How will this work address the needs of special populations?

According to the National Center for Health Statistics, Colorado preterm birth rates in 2012 were highest for African-American infants (13.2 percent), followed by Asians (11.3 percent), Hispanics (11.2 percent), Native Americans (10.8 percent) and Caucasians (9.7 percent). Because of this disparity, the initiative will pay special attention to reducing preterm births among minority populations and will look for opportunities to provide additional support services to minority women.

What do we do if we want to join?

To join the initiative, we ask that you complete and sign the attached letter. We are asking for your CEO's signature to demonstrate recognition of the importance of this work in your hospital.

Who should we contact if we have questions?

Please contact Nancy Griffith at Colorado Hospital Association at 720.330.6067 or Nancy.Griffith@cha.com.



Conference Fliers

QUALITY & PATIENT SAFETY

Save the Date!



2017 Safe Deliveries: Improving Pregnancy Outcome

When:
8:30 a.m. to 3 p.m.
Monday, September 18, 2017

Where:
Denver Police Protective Agency Event Center
2105 Decatur Street
Denver, CO 80211

Our Partners

march of dimes
A FIGHTING CHANCE FOR EVERY BABY™

Anthem BlueCross BlueShield
Anthem Blue Cross and Blue Shield Foundation

cpcqc

SynAptiv
Next Generation Learning

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of SynAptiv and the Colorado Hospital Association. SynAptiv is accredited by the ACCME to provide continuing medical education for physicians.

COPIC points pending

Register online at cha.com/education or [click here](#)

Registration is free for attendees from participating Safe Deliveries hospitals. The fee for all others is \$50 per person.

Questions? Contact

ch|a
Colorado Hospital Association

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Safe Deliveries 2016 Conference Reducing the Risk of Preterm Birth

Saturday, April 9, 2016
8 a.m. - 2:30 p.m.
Registration and Breakfast 7 a.m. - 8 a.m.
Hyatt Regency Denver Tech Center
7800 E. Tufts Ave, Denver

Keynote Speaker:
Dr. Catherine Y. Spong, MD
Deputy Director, National Institute of Child Health and Human Development at NIH.

Speakers will include:

Progesterone and the Ohio Perinatal Collaborative Project
Jay D. Iams, MD
OB Lead, Ohio Perinatal Quality Collaborative
Emeritus Professor of Obstetrics & Gynecology
The Ohio State University

Addiction in Pregnancy: What Professionals Need to Know
Kaylin Klie, MD, MA
Founder, OB Addiction Medicine Clinic, Professor, Departments of Psychiatry and Obstetrics & Gynecology
University of Colorado School of Medicine
Director for Addiction Medicine Fellowship
Colorado School of Medicine

High-Altitude Pregnancy: How High is Your Sea Level?
Lorna G. Moore, PhD
Professor, Department of Obstetrics and Gynecology
University of Colorado School of Medicine

Birth Spacing
Stephanie Teal, MD, MPH
Professor, Department of Obstetrics and Gynecology, University of Colorado School of Medicine
Special Contraception Clinic, University of Colorado School of Medicine

Colorado Safe Deliveries Project
K. Joseph Hurt, MD, PhD
Assistant Professor, Division of Maternal Fetal Medicine, Department of Obstetrics and Gynecology
Colorado School of Medicine

QUALITY & PATIENT SAFETY

Save the Date!



2017 Safe Deliveries: Reducing the Risk of Preterm Birth

When:
8:30 a.m. to 2:30 p.m.
Saturday, March 4, 2017

Where:
DoubleTree by Hilton Hotel Denver Tech Center
7801 East Orchard Rd
Greenwood Village, CO, 80111

Our Partners

Anthem BlueCross BlueShield
Anthem Blue Cross and Blue Shield Foundation

cpcqc

march of dimes
A FIGHTING CHANCE FOR EVERY BABY™

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COPIC points pending

Register online at cha.com/education or [click here](#)

Contact Barbara Cellio at Barbara.Cellio@cha.com or 720.330.6054 for more information.

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Program will include:

- Antenatal Late Preterm Steroids (ALPS): Benefits and Barriers**
Ronald Gibbs, MD
Professor Emeritus, University of Colorado School of Medicine
- Preterm Birth Prevention: The Role of Low-Dose Aspirin**
Kent Heyborne, MD
Chief of Obstetrics and Associate Director of OB/GYN, Denver Health; Associate Professor, Department of Obstetrics and Gynecology, University of Colorado School of Medicine
- Measuring the Cervix: Why and How**
Helen Feltovich, MD
Adjunct Assistant Professor, University of Utah School of Medicine
- Monitoring the Preterm Fetal Heart Rate: Clinical Interpretation and Management**
Rebecca Cypher, RNC, MSN, PNNP
CNO, Perigen
- Safe Deliveries Colorado – A Statewide Project**
K. Joseph Hurt, MD, PhD
Assistant Professor, Division of Maternal Fetal Medicine, Department of Obstetrics and Gynecology, University of Colorado School of Medicine
- Perinatal Stress, Preterm Birth and Infant Mortality in Colorado**
Camille Hoffman, MD, MSc
Assistant Professor of Maternal Fetal Medicine, University of Colorado School of Medicine Departments of Obstetrics & Gynecology and Psychiatry
- Healthcare Equity: Advocating for Moms & Babies**
Cheryl Larry-Osman, RN, MS, CNM
Assistant Professor of Maternal Fetal Medicine, University of Perinatal Clinical Nurse Specialist, Henry Ford Hospital

ch|a
Colorado Hospital Association

Newsletter Examples

SAFE DELIVERIES COLORADO / ANNOUNCEMENTS

Right Time, Right Size
SEPT 2017

OUR MISSION & PROFILE

Our goal is to reduce low birth weight deliveries in Colorado to 8% or less and reduce preterm births to 9.6% or lower. This project is funded by the Arnhem Blue Cross Blue Shield Foundation and is a partnership of:

- Colorado Hospital Association
- Colorado Perinatal Care Quality Collaborative
- March of Dimes Colorado/Wyoming Chapter

Steering Committee

Jessica Anderson, CHM
Sasha Andrews, MD
Laureate Cross, RN
Jacqueline Garrard, MD
Tracy Heasterlin, NNP
Joe Hurt, MD
Nicole Wong, MD
Karen Trierweiler, CNM

Project Team

John Savage, CHA
Anna Morris, CHA
Joe Hurt, MD, UCHHealth
Jennifer Livingston, RN
Mary McMahon, RN, CPQCC

Safe Deliveries Steering Committee Recognition

The Safe Deliveries project has been a partnership of a variety of teams of professionals who have volunteered to assure the success of this state-wide project. The Steering Committee is one of the key groups that have been involved for over two years, meeting on a regular basis to direct the strategic activities of the project. Lead by Nancy Griffith, Colorado Hospital Association, the first steering committee meeting was held on April 15, 2015 with representatives present from the Colorado Perinatal Care Quality Collaborative (CPCAC), Colorado Department of Public Health and Environment (CDPHE), March of Dimes (MOD), professional organizations including Colorado ACOG, AWHONN, and ACPM and a number of hospitals, in addition to project team members. A multidisciplinary team, representatives include obstetricians, neonatologists, nurse midwives, nurses, perinatologists, and community organization leaders from metro, community and rural facilities. Meeting monthly, the members determine goals, objectives, strategies, and development of data collection tools have been some of the key contributions from this group of wise, devoted individuals.

Scheduled to meet two more times, the members of the Steering Committee focused on identifying key points to be included in the final report documenting the work of Safe Deliveries. Thank you to all who have participated in this level of commitment and participation. Your voice is valued and greatly appreciated.

CHA Safe Deliveries Fall Conference ~ REGISTRATION IS NOW OPEN

This one-day program will focus on key topics for improving preterm labor outcomes, including:

- Progestone and the Ohio Perinatal Quality Collaborative

- Addition in Pregnancy: What Providers Need to Know – OB Addition Medicine Clinic, Denver Health
- High-Altitude Pregnancy: How is It Different from Sea Level? – Lorna Moore, PhD, University of Colorado School of Medicine
- Birth Spacing and Health – Stephanie Teal, MD, MPH, University of Colorado School of Medicine
- Safe Deliveries Update – Joe Hurt, MD, PhD, University of Colorado School of Medicine

This program is open to all clinicians who provide prenatal care and staff in hospitals.

CHA is pleased to offer continuing education (CME/CNE) credits and one COPIC point for this program. Register at cha.com/education or contact Barb at barbara.cello@cha.com or 720.330.6054 for assistance.

Date: Monday, Sept. 18, 2017
Time: 8:30 a.m. – 3 p.m. Light Breakfast and Registration begins at 7:45 a.m.
Location: Denver Police Protective Association Event Center
2105 Decatur Street
Denver, CO 802

Cost: \$50. There is no charge for participants for hospitals participating in the Safe Deliveries Colorado project and their affiliated clinicians.

Contact Anna Morris, Project Manager, Colorado Hospital Association at 720.330.6076 or Anna.Morris@cha.com

SAFE DELIVERIES COLORADO / ANNOUNCEMENTS

Right Time, Right Size
APRIL 2017

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Joe Hurt, MD
Nicole Wong, MD
Karen Trierweiler, CNM
CDPHE

Project Team
Nancy Griffith, RN, CHA
Anna Morris, CHA
Steve Holt, MD, CPQCC
Mary McMahon, RN, CPQCC
Jennifer Livingston, RN

Important Notice: Safe Deliveries Leadership Transition

Though the Safe Deliveries project is continuing through the end of 2017, the leadership is transitioning due to the retirement of Nancy Griffith. After April 14 the project leadership will be shared by Jen Livingston and Mary McMahon. Please welcome them to this new role and contact them for any questions. Jen can be reached at jlivingston@pmail.com and Mary can be reached at marymc225@msn.com.

Phase 2 PTL Assessment Data Reports

Participating hospitals have completed data collection for assessment and management of preterm labor patients. A report has been sent to each hospital that submitted phase 2 data. We highly encourage you to review your hospital's report, compare your results from baseline to phase 2 and share the results with your providers.

The Numbers Are In! Webinar: Preterm Labor Assessment Results

Join us on Wednesday, April 26 at 12:15 - 1:00 pm for a webinar reviewing the results of phase 2 PTL data. Mary McMahon and Dr. Steve Holt will share how the metrics fell and what we can learn from the data. Use this link to register for the webinar: <https://attendee.gotowebinar.com/register/315468415581490946>

Fall 2017 Safe Deliveries Conference

Mark your calendar now for Monday, September 18, 2017 for another education program offered by CHA Safe Deliveries, CPQCC and MOD, featuring Jay Iams, MD, Obstetrics Clinical Lead for the Ohio Perinatal Quality Collaborative. More details and information to follow.

Follow-up Site Visits

We will be contacting you to schedule a time meet with you and your team to discuss the data and discuss any opportunities to sustain and maximize the data. Please contact Jen Livingston or Mary McMahon to schedule the meeting.

2017 AWHONN National Convention

Means for the AWHONN national convention, join your local chapter and Mary McMahon—who will be presenting details of the Safe Deliveries project.

Contact Anna Morris at 720.330.6067 or Nancy Griffith@cha.com

SAFE DELIVERIES COLORADO / ANNOUNCEMENTS

Right Time, Right Size
January 2017

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2017 Safe Deliveries Conference: Reducing the Risk of Preterm Birth

Saturday, March 4, 8:30 am - 2:30 pm

DoubleTree Hotel, Denver Tech Center, 7801 East Orchard Rd, Greenwood Village, CO

Presentations

- Antenatal Late Preterm Steroids (ALPS): Benefits and Barriers - Ron Gibbs, MD
- Preterm Birth Prevention: The Role of Low-Dose Aspirin - Kent Heyborne, MD
- Measuring the Cervix: Why and How - Helen Fellovich, MD
- Monitoring the Preterm Fetal Heart Rate: Interpretation & Management - Becky Cypher, PNNP
- Safe Deliveries Colorado: A Statewide Project Update - Joe Hurt, MD
- Perinatal Stress, Preterm Birth and Infant Mortality in Colorado - Camille Hoffman, MD
- Maternal Equity: Advocating for Moms & Babies - Cheryl Larry-Osman, CNM

Registration fee is **waived** for attendees from Safe Deliveries participating hospitals and provider practices!

Contact Barbara Cello at Barbara.Cello@cha.com or 720.330.6054 for more information. Register online at cha.com/education

Race in Colorado: The Impact of Health on Infant Mortality

Mountain PBS has taken on the issue of Race in Colorado and how it impacts health. Our health department reports that despite having a low infant mortality rate, 12 black babies die in their first birthday out of every 1,000 born. This rate of infant death is triple that of babies in Colorado. *Precious Loss*, a moving and informative 30-minute video produced by Mountain PBS, explores why so many Colorado families experience this high infant mortality rate. The goal is to eliminate disparities in infant mortality that exist despite the same or education levels of black families in our state. We encourage you to watch this video.

Precious Loss - PBS: Public Broadcasting Service www.pbs.org/video/2365670948

Phase II Data Collection for PTL Assessment

Phase II data collection for preterm labor assessment is currently underway. The deadline for data collection has been extended to February 28. If you have not begun data collection for the period between 1 thru December 31, 2016, we urge you to begin now. Contact Nancy Griffith for assistance accessing the REDCap data collection tool.

Recently finalized a PTL management protocol or policy, please send a copy to Nancy Griffith at ngriffith@cha.com. Hospital policies and protocols for assessing preterm labor are being shared to CHA and shared is an effort to assure each facility has P&Ps available for standardized assessment and management.

Contact Anna Morris at 720.330.6067 or Nancy Griffith@cha.com

SAFE DELIVERIES COLORADO / ANNOUNCEMENTS

Right Time, Right Size
JULY 2017

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Joe Hurt, MD, UCHHealth
Jennifer Livingston, RN
Mary McMahon, RN, CPQCC

Announcing New CHA Director of Quality

The Safe Deliveries team has a new member, John Savage, who joined CHA on 30 May as the Director of Quality. John recently retired from the US Air Force as a hospital administrator. He had worldwide assignments culminating as the Chief of the Medical Support Policy & Operations Division of the USAF in Washington, D.C. Prior to that assignment, he held various positions in Air Force hospitals including COO positions at the NATO hospital in Aviano, Italy and David Grant Medical Center, the largest Air Force hospital. John has an MBA from the University of California-Irvine and certificates as a Project Management Professional (PMP) and Certified Medical Practice Executive (CMPE). Contact John.Savage@cha.com or (720)330-6067.

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- Progestone and the Ohio Perinatal Quality Collaborative Project - Jay Iams, MD, Ohio Perinatal Quality Collaborative

- Addition in Pregnancy: What Providers Need to Know - Kaylin Klie, MD, MA, Founder, OB Addition Medicine Clinic, Denver Health
- High-Altitude Pregnancy: How is It Different from Sea Level? - Lorna Moore, PhD, University of Colorado School of Medicine
- Birth Spacing and Health - Stephanie Teal, MD, MPH, University of Colorado School of Medicine
- Safe Deliveries Update - Joe Hurt, MD, PhD, University of Colorado School of Medicine

This program is open to all clinicians who provide prenatal care and to OB nursing leaders and staff in hospitals.

CHA is pleased to offer continuing education (CME/CNE) credits and one COPIC point for this event. Register at cha.com/education or contact Barb at barbara.cello@cha.com or 720.330.6054 for assistance.

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Location: Denver Police Protective Association Event Center
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Denver, CO 802

Cost: \$50. There is no charge for participants for hospitals participating in the Safe Deliveries Colorado project and their affiliated clinicians.

Publications of Interest

Decrease in diversity of vaginal microbes linked to preterm birth. June 13, 2017 <http://medicine.wustl.edu/news/makeup-vaginal-microbiome-linked-preterm-birth/>

Vaginal progesterone reduces the rate of preterm birth, neonatal complications and death in twin gestations with a short cervix. March 06, 2017 <https://www.med.wyome.edu/news/2017/03/06/vaginal-progesterone-reduces-the-rate-of-preterm-birth-neonatal-complications-and-death-in-twin-gestations-with-a-short-cervix/>

Contact Anna Morris, Project Manager, Colorado Hospital Association at 720.330.6076 or Anna.Morris@cha.com

SAFE DELIVERIES COLORADO / ANNOUNCEMENTS

Right Time, Right Size
MAY 2017

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CDPHE

Project Team

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Joe Hurt, MD, UCHHealth
Mary McMahon, RN, CPQCC
Jennifer Livingston, RN

Safe Deliveries Leadership Transition Update

Retirement seems to be the trend! Steve Holt, MD has announced his plans to retire and relocate to Michigan as of July 1, 2017. Steve will continue to serve on the Steering Committee and participate by conference call for those meetings and site visits as his schedule allows. His contributions to the project have been invaluable! Joe Hurt, MD, MFM, UCHHealth will be joining the Project Team as a physician consultant through the remainder of 2017, when the project will end. Dr. Hurt is an active member of the Steering Committee. Welcome, Joe!

Site Visits to Participating Hospitals

Members of the Project Team will continue to make site visits to participating organizations with a focus on prenatal 17P information and individual hospital's data results for the preterm labor assessment and management reports. For the metro area hospitals, these visits can be conducted on two separate dates if preferred and the rural hospitals will be schedule for both meetings on the same day. Audience for the two focus groups will overlap with providers participation encouraged at both meetings and hospital champions and clinical staff attending the PLAT data report out. To schedule meetings with the Safe Deliveries team, please contact Anna Morris at CHA or reply to emails sent by Jennifer Livingston with suggestions for dates and times to hold the meetings. Consider dates/time to coincide with OB Departments meetings.

Publications of Interest

Iams, JD et al. A Statewide Progesterone Promotion Program in Ohio. *Obstet Gynecol*. 2017; 129(2): 337-346. **Conclusion:** The Ohio progesterone project was associated with a sustained reduction in singleton births before 32 weeks of gestation in Ohio.

Espin, MS, et al. Predictive accuracy of serial Transvaginal cervical length by ultrasound and quantitative vaginal fetal Fibronectin for spontaneous preterm birth among nulliparous women. *JAMA*. 2017;317(10):1-10. Doi:10.1001/jama.2017.1373. **The researcher found no benefit to combining the results of the two tests. They concluded that, alone and together, the methods did not identify enough preterm births to support routine screening of first-time pregnancies.**

Safe Deliveries: Improving Pregnancy Outcomes Conference on Monday, September 18th

Topics and speakers include The Ohio Progesterone Project by Jay D. Iams, MD

Location: PPA Event Center at 2105 Decatur Street, Denver from 9:00 till 3:30



Registration required ~ fee waived for providers and staff from Safe Deliveries Participating Hospitals


Watch for announcement with registration information and more details to come in mid-June!

Contact Anna Morris, Project Manager, Colorado Hospital Association at 720.330.6076 or Anna.Morris@cha.com


SAVE THE DATE


Dedicated Website





Colorado Hospital Association





- Opioid Safety
- Hospital Improvement and Innovation Network (HIIN)
- Patient and Family Engagement
- Safe Deliveries Colorado**
- Safe Deliveries – March 4, 2017 Materials
- Safe Deliveries – April 9, 2016 Materials
- Infection Prevention
- Sepsis
- Health Literacy
- Michael J. Skolnik Award
- Preventing Readmissions
- Prior Projects & Initiatives
- Contact Quality/Patient Safety

Safe Deliveries Colorado

The Colorado Hospital Association (CHA) is partnering with [Anthem Blue Cross and Blue Shield Colorado](#), the [March of Dimes Colorado/Wyoming Chapter](#) and the [Colorado Perinatal Care Quality Collaborative](#) to create the Safe Deliveries Colorado collaborative. This two-year initiative aims to achieve the following goals:

- Reduce low-birthweight deliveries to no more than 8 percent of live births
- Reduce preterm births to no more than 9.6 percent of live births

Nineteen Colorado hospitals are participating in the collaborative, along with OB and family practice health care providers from across the state. CHA is providing education, quality improvement resources and data analytics to support the providers and hospitals in this important work. Hospitals have the opportunity to network with each other and share best practices as well as learn about best practices from national and local leaders.

Preterm birth is currently the most significant challenge to maternal-child health in the United States. It complicates one in nine deliveries and accounts for more than 85 percent of all infant mortality. Infants who are born preterm are at greater risk of dying in their first year of life. Of those who survive, there is an increased risk of repeated hospital admissions and adverse outcomes, including cerebral palsy and long-term disability, creating a lifetime of challenges for the infants affected and difficulties for families and communities.

[Click here](#) for the news release. For more information, please contact the [patient safety department](#).

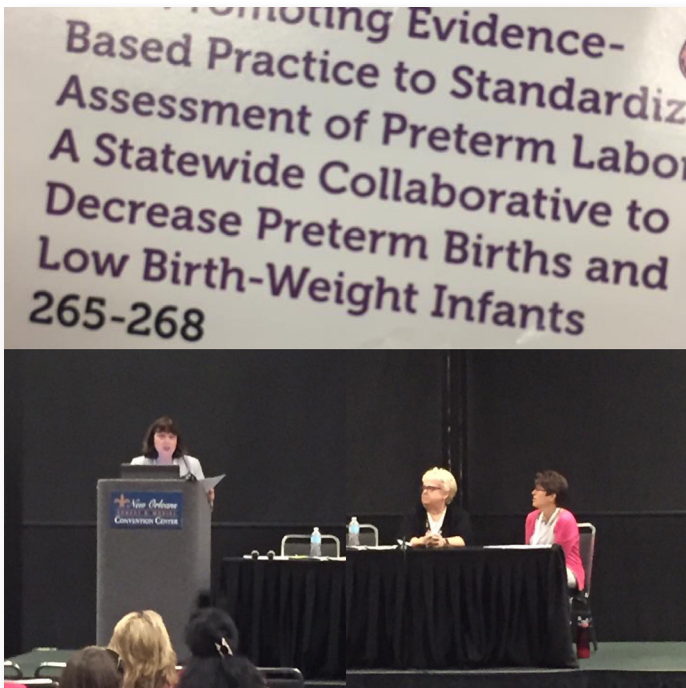


Participating Hospitals

- Avista Adventist Hospital (Louisville)
- Good Samaritan Medical Center (Lafayette)
- Heart of the Rockies Regional Medical Center (Salida)
- Littleton Adventist Hospital (Littleton)
- Longmont United Hospital (Longmont)
- Lutheran Medical Center (Wheat Ridge)
- Platte Valley Medical Center (Brighton)
- Rose Medical Center (Denver)
- Saint Anthony North Health Campus (Westminster)
- Saint Joseph Hospital (Denver)
- San Luis Valley Regional Medical Center (Alamosa)
- St. Francis Medical Center (Colorado Springs)
- St. Mary-Corwin Medical Center (Pueblo)
- St. Thomas More Hospital (Canon City)
- The Medical Center of the Aurora (Aurora)
- University of Colorado Hospital (Aurora)
- Valley View Hospital (Glenwood Springs)
- Wray Community District Hospital (Wray)
- Yampa Valley Medical Center (Steamboat Springs)

<https://cha.com/quality-patient-safety/safe-deliveries-colorado/>

Pictures



2017 AWHONN National Conference Presentation of Safe Deliveries Project by Mary McMahon, RN and two other nurse leaders



Steve Holt, MD, with the cohort hospital banner at a site visit



Steve Holt, MD, and Mary McMahon, RN, at March of Dimes Prematurity Prevention Conference in September 2015



Three of the six speakers at March 4, 2017 Conference (left to right):

- Helen Feltovich, MD: Measuring the Cervix: Why and How
- Cheryl Larry-Osman, RN, MS, CNM: Healthcare Equity: Advocating for Moms and Babies
- Ronald Gibbs, MD: Antenatal Late Preterm Steroids (ALPS): Benefits and Barriers

Pictures continued



Valley View Hospital Glenwood site visit



Wray Hospital 2017 – Mary McMahon, Heather M. Hasenauer & Jennifer Livingston at site visit

Safe Deliveries Partnerships

Primary Partnerships

- Anthem Blue Cross and Blue Shield Foundation
- Colorado Hospital Association (CHA)
- March of Dimes (MOD)
- Colorado Perinatal Care Quality Collaborative (CPCQC)
- Colorado Department of Public Health and Environment (CDPHE)

Professional Organizations

- American College of Obstetrics and Gynecology (ACOG)
- Association of Women's Health, Obstetric, and Neonatal Nurses (AWHONN)
- American College of Nurse Midwives (ACNM)

Community Organizations

- Families Forward Resource Center
- Metro Area Rural Connection

Other

- Lumara Health™ (A division of AMAG Pharmaceuticals)

Safe Deliveries Members

Safe Deliveries Project Steering Committee

Jessica Anderson, CNM
Sasha Andrews, MD
Laurale Cross, RN
Jacqueline Garrard, MD
Tracy Heaberlin, NNP
Joe Hurt, MD PhD
Karen Trierweiler, CNM
Nicole Wong, MS

Safe Deliveries Project Team

John Savage, CHA
Anna Morris, CHA
Joe Hurt, MD PhD, University of Colorado Hospital
Mary McMahon, RN, CPCQC and CHA Nurse Consultant
Jennifer Livingston, RNC-OB, CHA Nurse Consultant

Colorado Perinatal Care Quality Collaborative (CPCQC) Executive Committee

Jaime Cabrera
Executive Director
Mandy Bakulski
Liaison; Maternal Health at Colorado Department of Public Health and Environment
Pat Bohling-Smith, MS, RN
Executive Committee Administrator; Maternal Child Nurse (retired)
Carrie Cortiglio, ScM
Executive Committee Member; Deputy Director at Health Care Policy and Finance
Laurale Cross, NNP-BC, MS
Executive Committee Member; Administrative Director of Women's Services, Valley View Hospital
Megan Donnelly, MD
Executive Committee Member; Maternal Fetal Medicine Physician at University Hospital
Ed Donovan, MD
Executive Committee Member; Neonatologist (retired), but active in national boards
Kathy Gaines, RN
Executive Committee Member; Colorado Department of Public Health and Environment (retired)
Sandra Gardner, RN, MS
Treasurer; Neonatal Nurse (retired), and author of neonatal handbook
Jacqueline Garrard, MD
Executive Committee Member; Obstetrician in private practice in San Luis Valley

Nancy Griffith, RN, MSN
Executive Committee Member; Colorado Hospital Association (retired)
Tracy Heaberlin, MSN, NNP-BC, MBA
Executive Committee Member; Neonatal Nurse Practitioner and Past Chair of CPCQC
Mary McMahon, MSN, RN
Executive Committee Member; Perinatal and Informatics Nurse Leader, RN Consultant at Colorado Hospital Association
Torri Metz, MD, MS
Executive Committee Member; Maternal Fetal Medicine physician at Denver Health and University Hospital
Alfonso Pantoja, MD
Executive Committee Member; Neonatologist at St. Joseph Hospital
Karen Trierweiler, MS, CNM
Executive Committee Member; Colorado Department of Public Health and Environment (retired)
Nicole Wong, MS
Executive Committee Member; Director of Maternal Health at March of Dimes
Rachel Wright, MD
Chair-elect; Neonatologist and Chair of CPCQC

Safe Deliveries Webinars

Safe Deliveries Overview – August 2015

Highlights from MOD Prematurity Prevention Conference 2015 – January 2016

Preterm Labor Assessment and Management Guidelines – March 2016

Low Birth Weight and Prematurity – May 2016

Colorado Preterm Birth Recommendations – August 2016

Teen Hospital Stays for Childbirth – September 2016

Precious Loss Video – February 2017

Safe Deliveries Data Review – April 2017