17 Year Research to Action Gap

"It now takes an average of 17 years for new knowledge generated by randomized controlled trials to be incorporated into practice, and even then application is highly uneven."



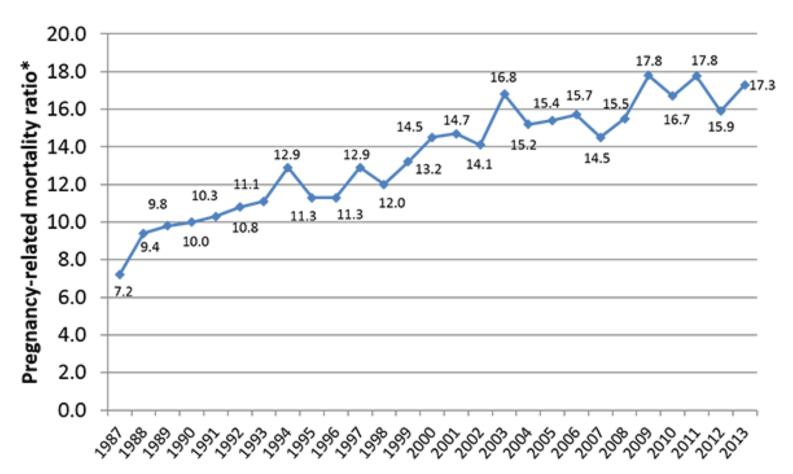
Objectives

- Objective 1: Describe key components of the Hasting Report on Quality Improvement (QI) in healthcare.
- Objective 2: Outline available options that are designed to expand the use of improvement science.
- Objective 3: Discuss how to expand the use of improvement science methods among perinatal clinicians.





Trends in pregnancy-related mortality in the United States: 1987–2013



© INSTITUTE FOR PERINATAL QUALITY IMPROVEMENT

https://www.cdc.gov/reproductivehealth/maternalinfanthealth/pmss.htm

^{*}Note: Number of pregnancy-related deaths per 100,000 live births per year.

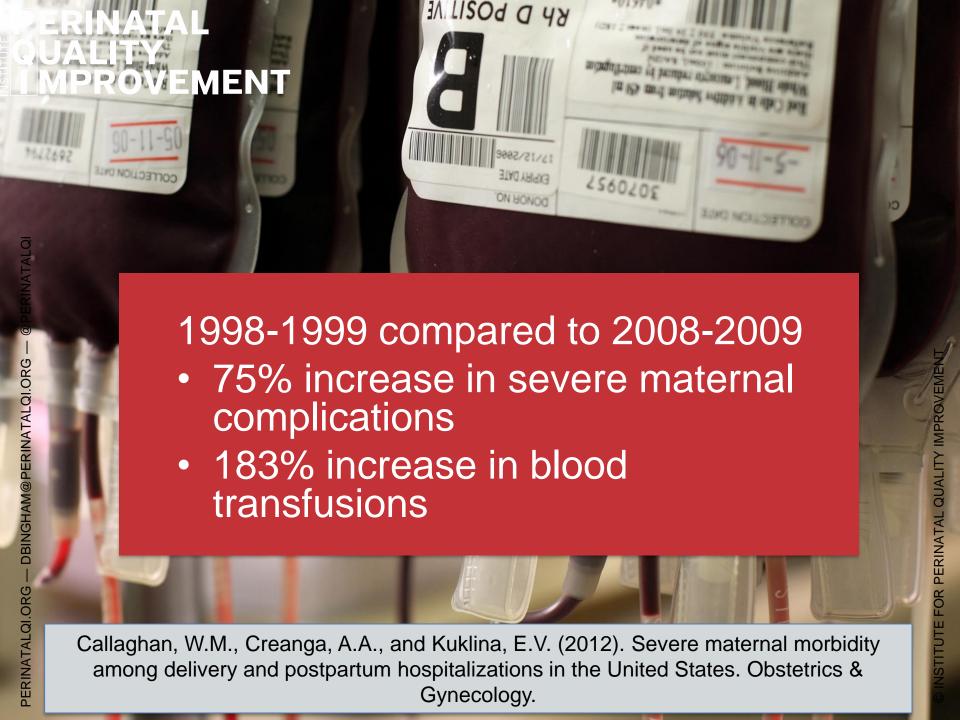


In the United States Racial Disparities Persist

- 12.7 deaths per 100,000 live births for white women.
- 43.5 deaths per 100,000 live births for black women.
- 14.4 deaths per 100,000 live births for women of other races.

Much of these disparities are due to structural racism

Obstetric Hemorrhage-Related Maternal Mortality is the Tip of the Iceberg





Women die or suffer injuries because they do not receive early, effective and aggressive lifesaving treatments.



© INSTITUTE FOR PERINATAL QUALITY IMPROVEMENT

California Department of Public Health (2011). The California pregnancy associated mortality review: Report from 2002 and 2003 Maternal Death Reviews.



Definition of QI

"When we use the term "QI" in this report, we mean systematic, data-guided activities designed to bring about immediate, positive changes in the delivery of health care in particular settings."

© INSTITUTE FOR PERINATAL QUALITY IMPROVEMENT

Baily, M.A., Bottrell, M., Lynn, J., & Jennings (2006). Special report: the ethics of using QI methods to improve healthcare quality and safety. The Hastings Center: Garrison New York, pg. S5.



Who has the responsibility for improving the quality of care?



"We conclude that engaging in quality improvement is **NOT** purely Discretionary; health professionals, managers, delivery organizations, patients, and government all have an ethical responsibility to cooperate with one another to improve the quality of care."

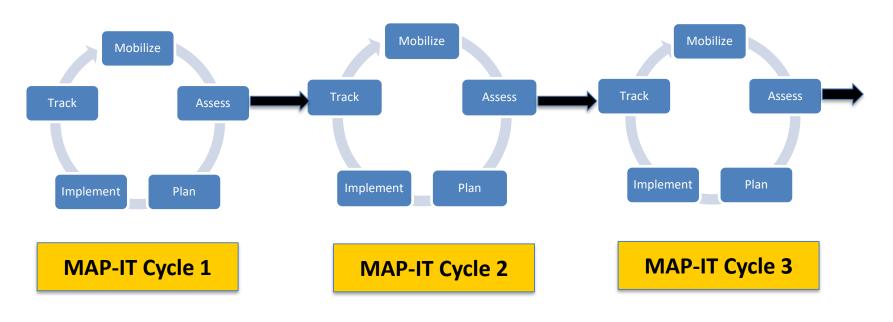
Baily, M.A., Bottrell, M., Lynn, J., & Jennings (2006). Special report: the ethics of using QI methods to improve healthcare quality and safety. The Hastings Center: Garrison New York, pg. S6.



Have you received education on QI concepts, methods, and tools?

PERINATAL QUALITY IMPROVEMENT

Perform Small Tests of Change Learn then Adjust (as often as needed)





What is the relationship between?

- Evidence-based practice PICO
- Research
- Implementation Science
- Improvement Science
- Quality Improvement

Evaluate & Grade the Research or **Evidence for the** Practice (EBP), **Review Population Health Data &** Clinical **Outcomes**

*Review surveillance & utilization data to track and review population health and outcomes. *Review the research literature to determine which current

practices need to

change & how.

*Determine the

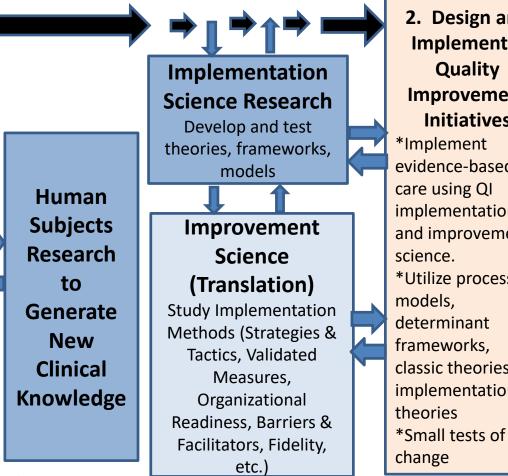
and Evidence-

Based Practice

(EBP) Gaps

level of evidence

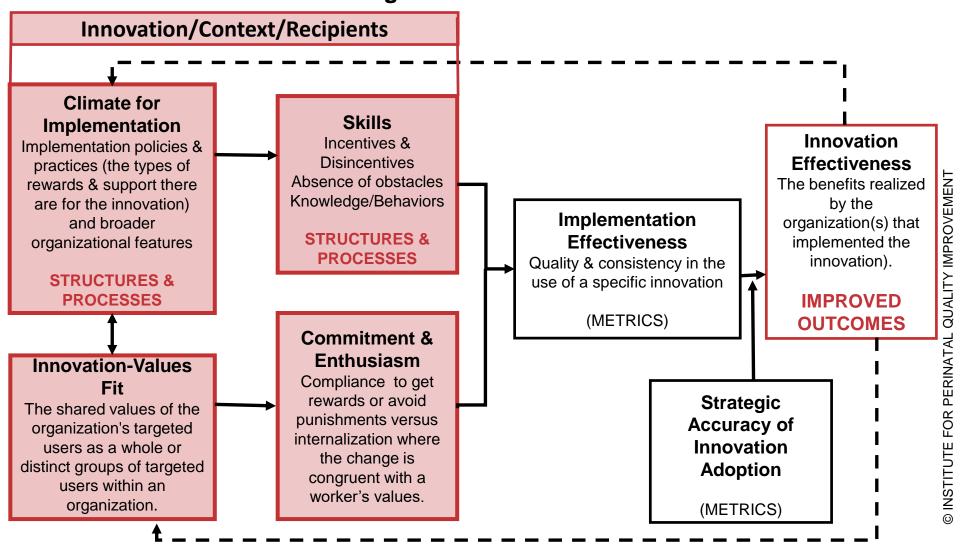
Bingham's Evidence-Based Practice, Quality Improvement, Research, and Improvement Science Flow Chart



2. Design and Implement a Quality **Improvement Initiatives** *Implement evidence-based care using QI implementation and improvement science. *Utilize process models, determinant frameworks, classic theories, & implementation theories

3. Evaluate & **Determine Next Steps** *Program evaluation: -Structures, -Processes, -Outcomes (Healthcare & Population Health) *Identify practice & policy implications *Track un-intended consequences *Recommend modifications *Sustain *Spread

Klein & Sorra's Determinants and Consequences of Implementation Effectiveness merged with Donabedian and iPARHIS





Clinicians need QI Education & QI Support

- QI Methods and Concepts
 - Implementation Frameworks
 - QI Process Models
 - QI Ethics
- QI Tools
 - Process Maps
 - Fishbone Diagrams
 - Logic Models
 - Driver Diagrams



- Physicians, RNs, & Midwives have critical insights that will help improve quality and safety
- The more clinicians understand about QI methods, concepts, and tools the faster care can be improved!



Implementing Perinatal Quality Improvement www.perinatalQl.org

Conference on February 1, 2018, New York City



Objectives

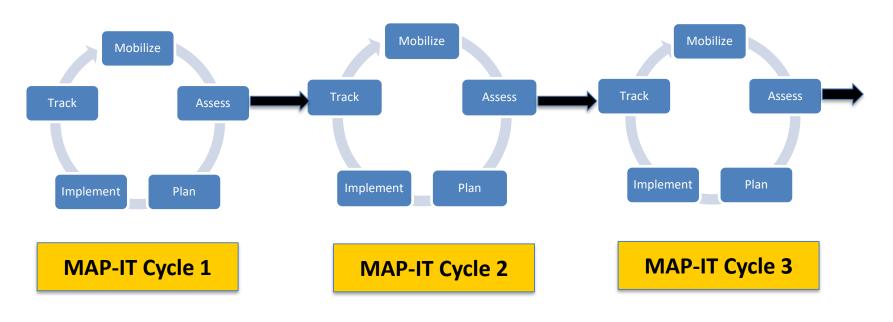
- Objective 1: Describe key components of the Hasting Report on Quality Improvement (QI) in healthcare.
- Objective 2: Outline available options that are designed to expand the use of improvement science.
- Objective 3: Discuss how to expand the use of improvement science methods among perinatal clinicians.



Quality
Improvement
is like
climbing a
spiral
staircase

PERINATAL QUALITY IMPROVEMENT

Perform Small Tests of Change Learn then Adjust (as often as needed)





PQI Options

- 2 Action Briefs a year
 (1 maternal and 1 neonatal)
- QI Project Maps
- Action Communities
- PQI Blog
- Tools and Resources

New Jersey QI Project Map Pilot Project



A one-year PQI Premium subscription for all Birthing hospitals in New Jersey!

Thank you to the Tara Hansen Foundation

www.perinatalQI.org

PERINATAL
QUALITY
MPROVEMENT

QI MAPS - SIGN UP - ABOUT US - EVENTS - BLOG & TOOLS
Subscribe as Premium or Basic
Get Free PQI Updates
Pricing

Helping perinatal health professionals expand their use of improvement science in order to eliminate preventable perinatal injuries and deaths.

QI SAVES LIVES!

Mothers and newborns depend on quality improvement (QI) leaders to implement safety bundles and other evidence-based care practices. However,



Perinatal Q

Conference

Implementation



Premium Subscriptions Include

- FREE Premium Subscriptions (based on volume of births)
 - Additional seat licenses allow more QI Projects to be added to the QI Project Maps
 - Full search capability on the QI Project Maps provides opportunities for collaboration with colleagues
 - Includes 2 Action Briefs a year
 - Discounts on other PQI Support
 - Coaching
 - Action Communities
 - Priority for hosting the Implementing QI Conference
 - Discounts on the Implementing Perinatal QI Conference



Receive Action Briefs

- 2 Action Briefs a year (one maternal and one neonatal)
 - Powerpoint slide set case study
 - Facilitator guide
 - Summary of QI Opportunities
 - 2 Free Webinars summarizing the Action Brief Contents and tips for utilizing the Action Briefs in your facility

INSTITUTE FOR PERINATAL QUALITY IMPROVEMENT

- Action Template
 - Step-by-step approach
 - Example Action Plan
 - Example Logic Model
 - Example Driver Diagram
 - Example Cause and Effect Diagram

Sign-Up at: www.perinatalQI.org



Action Brief Benefits

- Save time by using pre-developed slides
- Be proactive learn from morbidity and mortality cases how to prevent similar negative outcomes
- Expand Improvement Science expertise for yourself, Action Teams and staff by following the step-by-step guide

© INSTITUTE FOR PERINATAL QUALITY IMPROVEMENT

 Inexpensive way to provide interdisciplinary education



Feedback Is Needed

 Actions Briefs and Action Templates are new tools

 We will need your feedback as we roll out these tools nationally



Objectives

- Objective 1: Describe key components of the Hasting Report on Quality Improvement (QI) in healthcare.
- Objective 2: Outline available options that are designed to expand the use of improvement science.
- Objective 3: Discuss how to expand the use of improvement science methods among perinatal clinicians.



Map your perinatal QI Projects at www.perinatalQI.org



NJ QI Project Map Pilot Project



 QI Project Leaders free subscription makes it possible for them to MAP their Perinatal QI Project(s) details

Benefits:

- Facilitates networking among NJ Leaders
- Facilitates networking among leaders in other states who purchase a subscription

QI Saves Lives!





Members of the New Jersey PQI Maps Pilot Project Work Group

Robyn D'Oria, State Leader

- JFK Medical Center
 - Donna Weeks
- Capital Health
 - Pam Graziadei
 - Kathy Donaldson
- Community Medical Center (Toms River)
 - Lisa Schlesinger
- Jersey Shore University Medical Center
 - Roselyn Young

- AtlantiCare Regional Medical Center
 - Laurie Trongone
 - Tracy Reighard
 - Sherry Martin
- Virtua Voorhees
 - Barbara Hansen
- Morristown Medical Center
 - Pam Mellin
 - Donna Poplawski

PQI Website Sign Up Process





Click "Sign Up" on the website's main menu, then:

Select Your Subscription Type

Please select your subscription type below.

Click here to learn about PQI Premium Hospital subscription benefits and pricing.

QI Saves Lives!

- Premium 1 Facility Subscription (1-999 Births)
- Premium 2 Facility Subscription (1000-2999 Births)
- Premium 3 Facility Subscription (3000+ Births)
- Basic Individual Subscription (Free)



Complete your registration by entering the promo code shown and then click "Submit" down below

If you are signing up for the first time, this is the last step of your registration.

Membership Information

One-Year Premium 1 Facility (1-999 Births) — \$488.00

Includes up to 3 seat licenses and education for all of the clinicians who work at this facility. Price per clinician is as low as \$9.76 per year (based on the estimate of 50 clinicians per facility).

Promotional Code

Enter a Promotional Code:

NJTaraHansenGrant

{ Apply Code } { Clear }

© INSTITUTE FOR PERINATAL QUALITY IMPROVEMENT

Member Information

First Name frank

Last Name sinatra



Sub-Accounts or Seat Licenses

- There is one master account holder.
- The number of seat licenses includes the primary or master account holder.
- They will need to make sure that they enter the name of the hospital or facility exactly the same as the primary or master account holder.
- Each person with a seat license can enter 2 projects into the maps.



Enter QI Project Information

- Project type
- Project Aims, Goals or Objectives
- Date Project Began
- Implementation Tactics (dropdown)
- Implementation Barriers (dropdown)
- Implementation Facilitators (dropdown)
- Description of Project Results
- QI Tips and Lessons Learned
- Also, you can enter a 2nd project, if desired



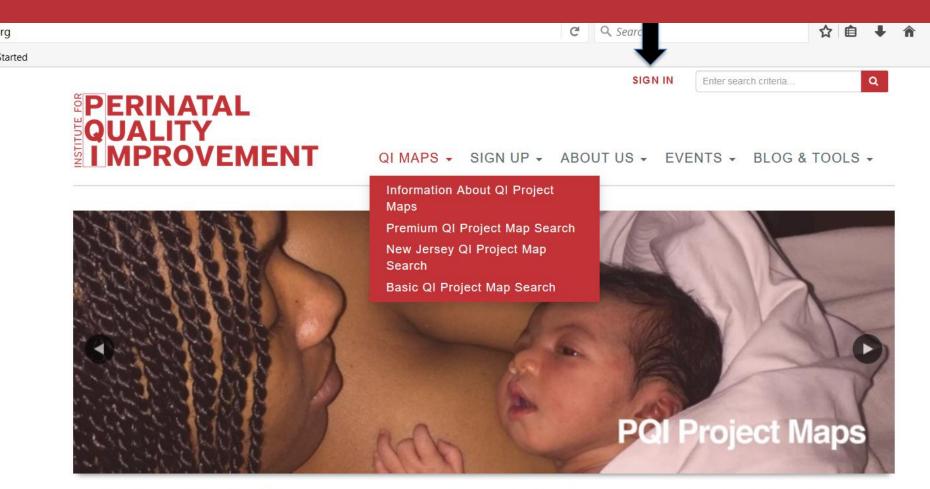
Step-by-Step Guide

- We have developed a step-by-step guide
- During the hospital showcase session we will answer questions on how to sign-up
- You can also contact us at: Info@perinatalQl.org



Individual Subscriptions are not covered by the Tara Hansen Foundation funding.

Search the QI Project Maps



Helping perinatal health professionals expand their use of improvement science in order to eliminate preventable perinatal injuries and deaths.

QI SAVES LIVES!

Mothers and newborns depend on quality improvement (QI) leaders to

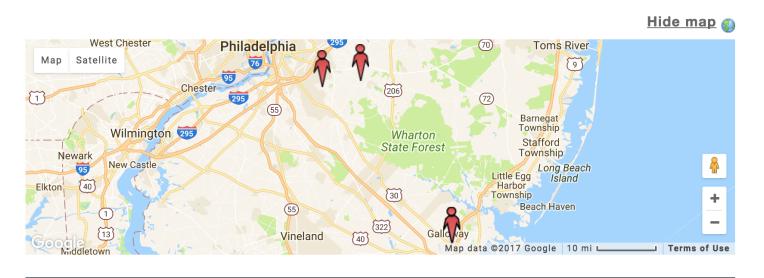




Sample Premium NJ Map Search

You searched for:

- All Records
- Who match <u>ANY</u> of the following Member Types 'Basic Individual Subscription (Free), Community
 Administrator, Editorial Advisory Board, Executive Advisory Board, Premium 1 Facility Subscription (1-999
 Births), Premium 2 Facility Subscription (1000-2999 Births), Premium 3 Facility Subscription (3000+ Births)
- In the Country of 'United States'
- In the following Location: 'New Jersey'



15 Records Found

Sort by Name _ | Group



Sample Premium NJ Map Search



15 Records Found Sort by Name 🖪 | Group

© INSTITUTE FOR PERINATAL QUALITY IMPROVEMENT

Birth Breastfeeding & Before

Holmdel

New Jersey

United States

Katharine Donaldson, Capital Health Medical Center Hopewell

Pennington

New Jersey

United States



Following is an example of a QI Project that was entered by Donna Poplowski

Project 1 - Perinatal QI Project Category or Type: Hypertension

Project 1 - Perinatal QI Project Aim(s), Goal(s), or Objective(s):

Goal:

To decrease readmission within 14 days of discharge for postpartum hypertension by 5% by March 31, 2018. Objectives:

Standardize management of postpartum hypertension

- Educate obstetric care providers and nurses on the management of severe hypertension
- Educate obstetric care providers and emergency physicians on the management of postpartum hypertension
- Educate postpartum patients on emergency warning signs



Enter QI Project Implementation Details

Project 1 - Date Perinatal QI Project Implementation Began:

9/6/2017

Project 1 - Implementation Tactics (Drop Down List):

Emails, Grand Rounds, Hospital or Unit Database, On-Line Education, Simulation **Drills - In Situ**

© INSTITUTE FOR PERINATAL QUALITY IMPROVEMENT

Project 1 - Implementation Barriers (Dropdown List):

Competing Demands



Enter Additional QI Project Implementation Details

Project 1 - Implementation Facilitators (Drop Down List):

Active MD QI Champion(s), Active RN QI Champion(s), Adequate Resources - Data Collection and Analysis, Committed Leader(s), Organization Culture Encourages Teams to be on the "Leading Edge of Change", Organization Culture Promotes Respectful Communication, Organization Culture Supports Quality and Safety Initiatives, Positive Attitudes of the Team



Questions?

email: info@perinatalQl.org