

# Lessons learned in Massachusetts on System Improvement for Care of Patients with SUD in Pregnancy

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# Conflict of interest

I have no financial disclosures or conflicts of interest

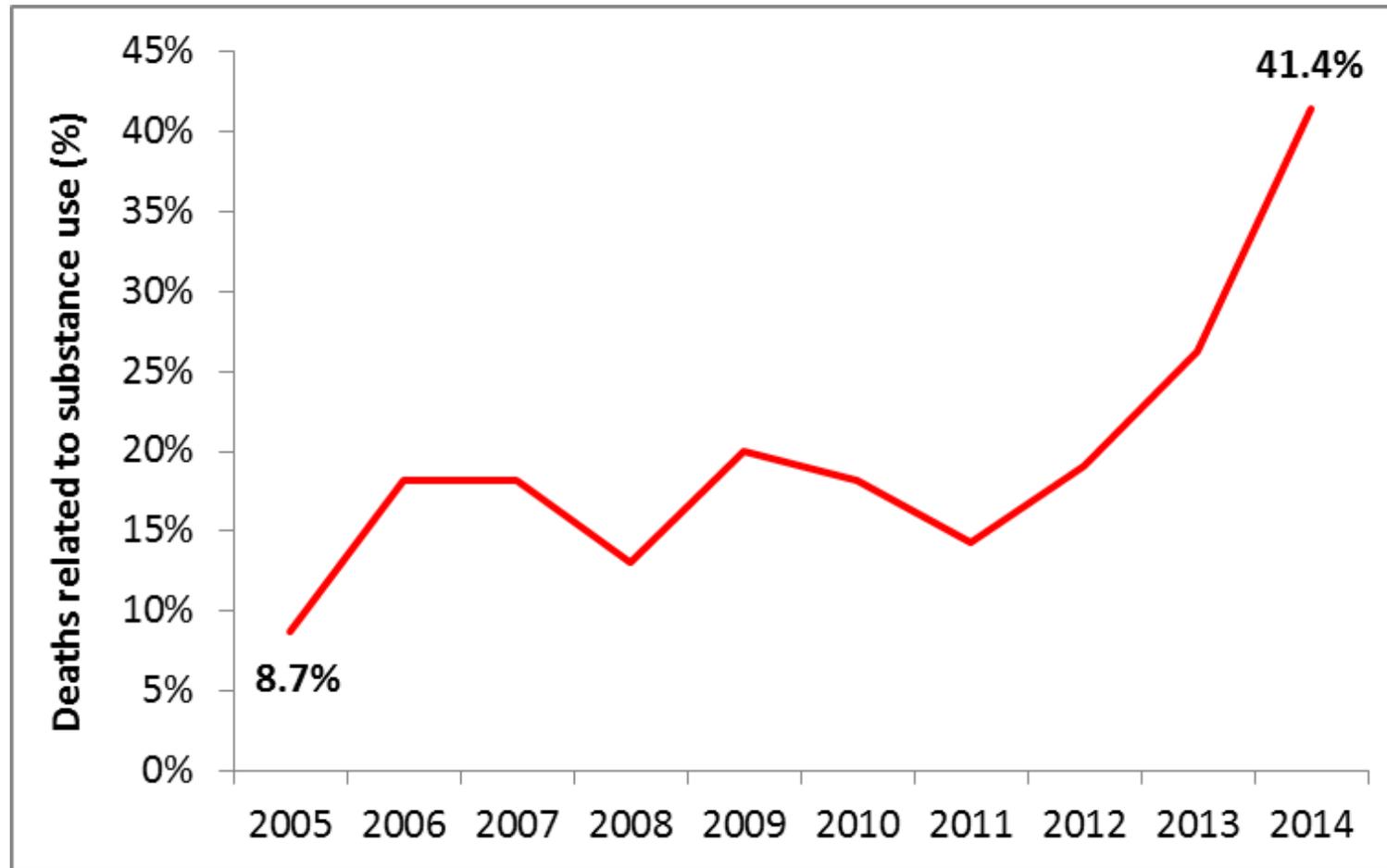
# Today's Presentation

- Explain the “why”
- Finding tools
- Data loop
- Organizing the work



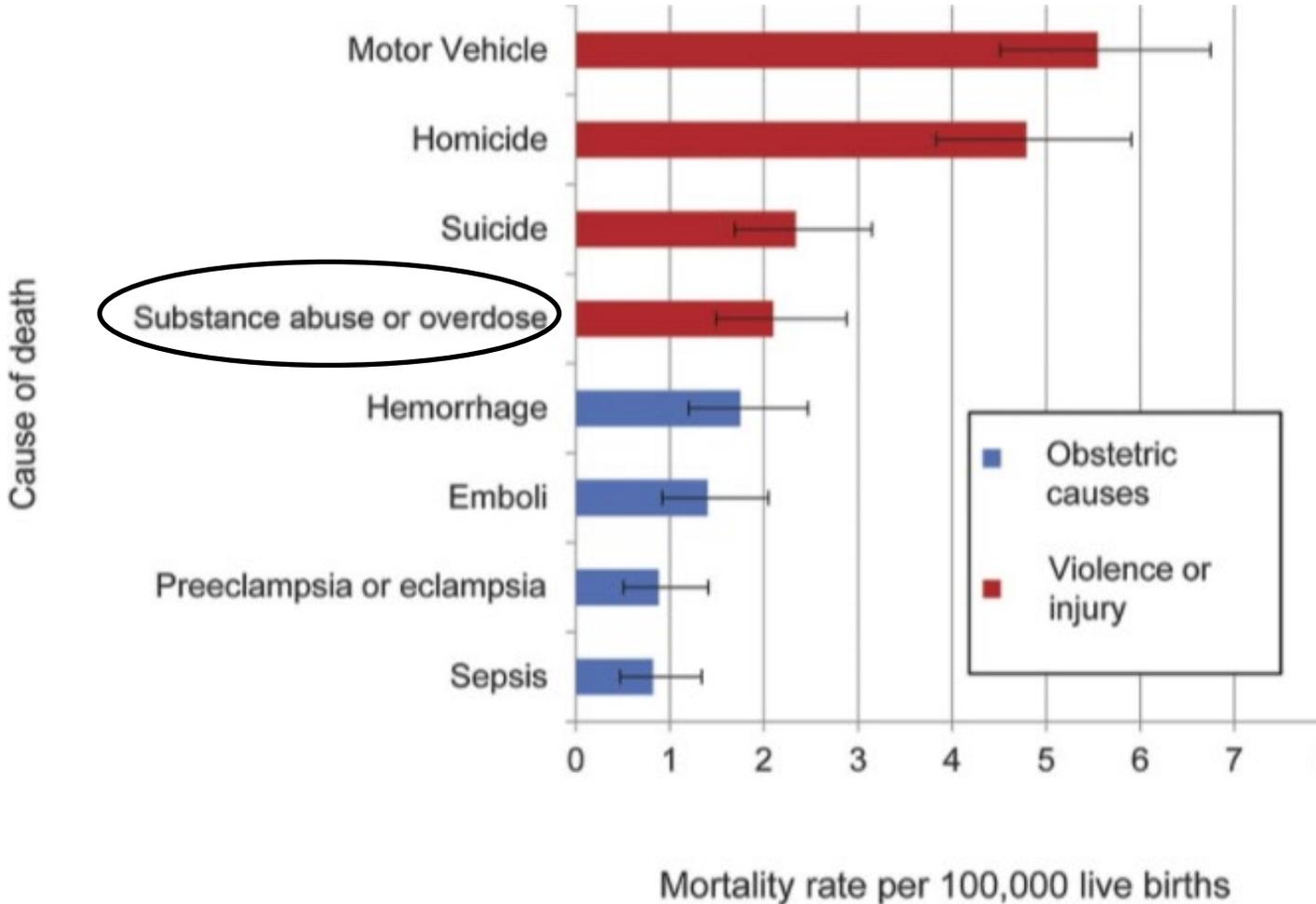
# Pregnancy associated mortality from substance is increasing

Percent of Pregnancy-Associated Deaths Related to Substance Use by Year



Massachusetts DPH

# Substance use is involved in mortality more often than obstetric causes



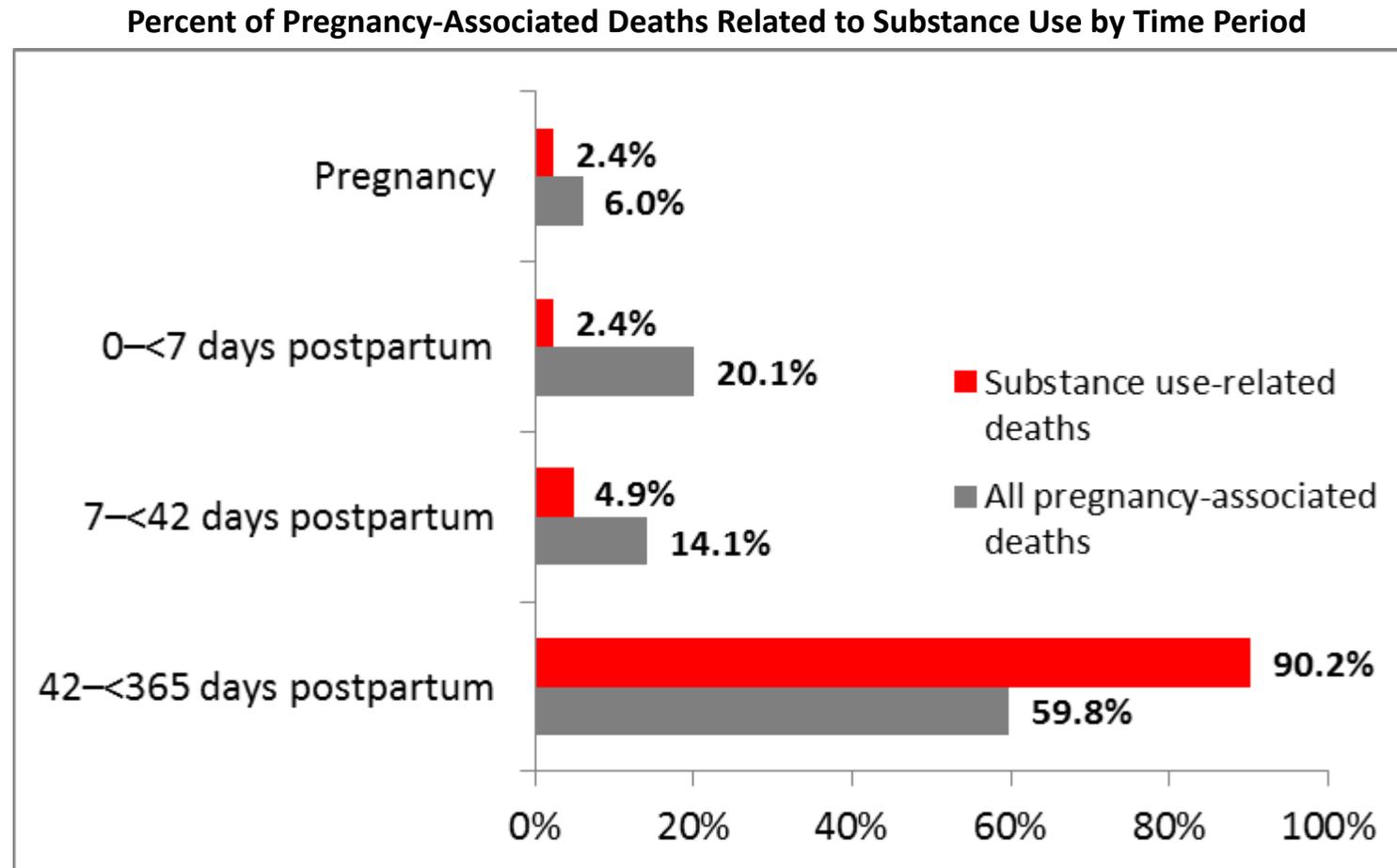
## Higher Risk of Homicide Among Pregnant and Postpartum Females Aged 10–29 Years in Illinois, 2002–2011

Koch, Abigail R. MA; Rosenberg, Deborah PhD; Geller, Stacie E. PhD

Obstetrics & Gynecology: September 2016 - Volume 128 - Issue 3 - p 440–446  
doi: 10.1097/AOG.0000000000001559

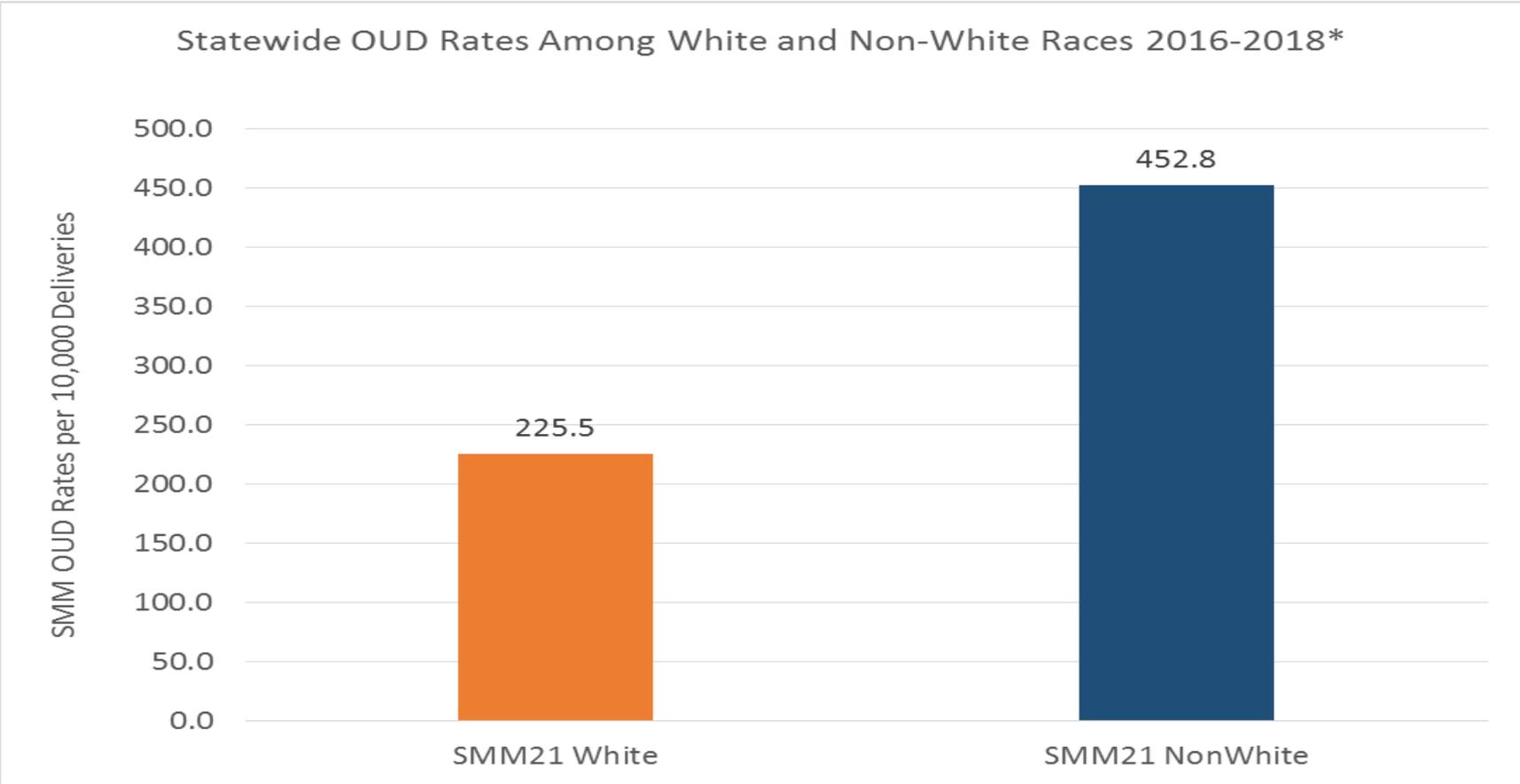


# Most substance-use associated pregnancy mortality is after delivery



Massachusetts DPH

# Massachusetts SMM21 OUD by Non-white/white\*

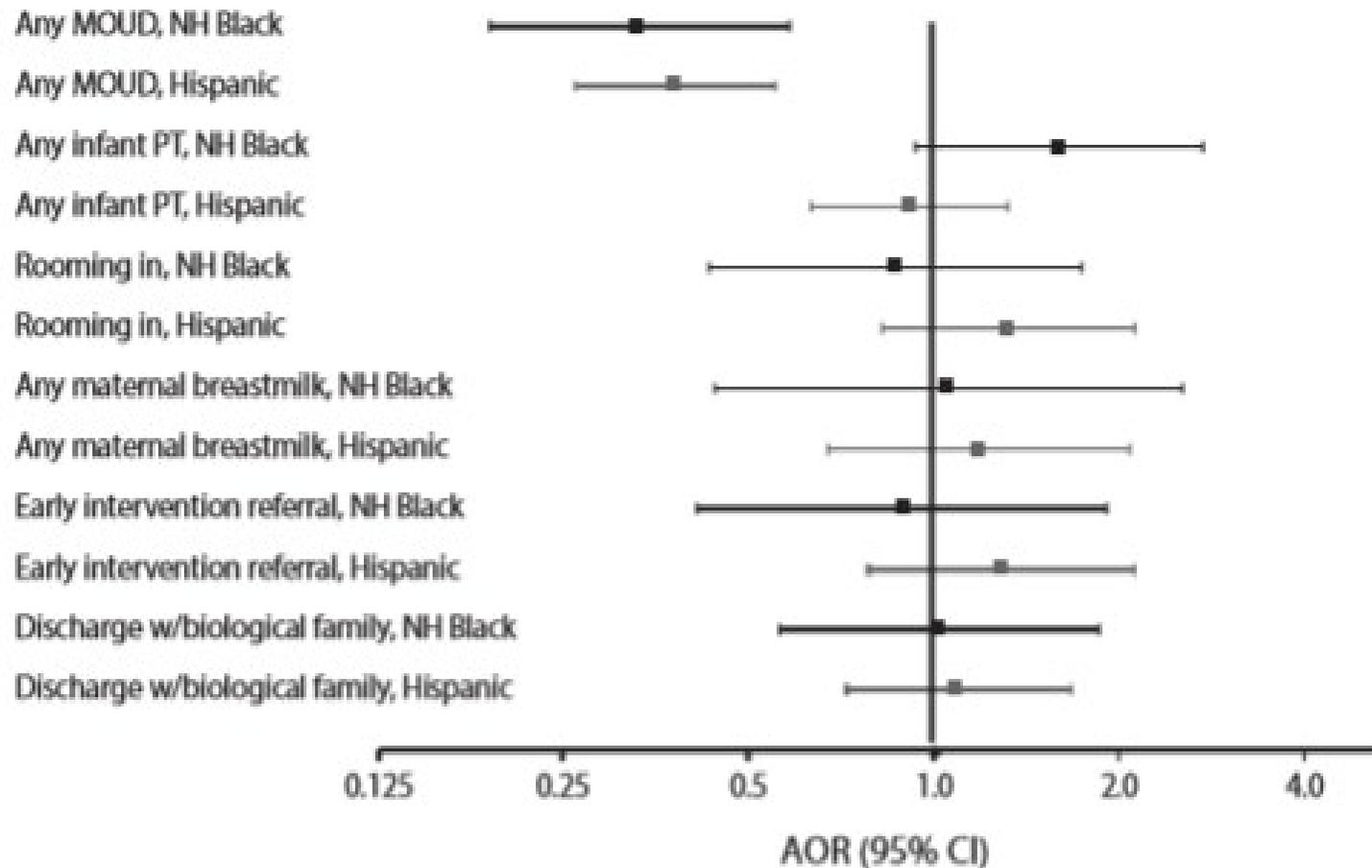


\*first 3 quarters of 2018

Betsy Lehman Center, 2019



# Black and Hispanic women have a lower rate of MOUD



Racial and Ethnic Disparities in Maternal and Infant Outcomes Among Opioid-Exposed Mother–Infant Dyads in Massachusetts (2017–2019). <https://ajph.aphapublications.org/doi/10.2105/AJPH.2020.305888>

# Get involved!

## Summits



## OD in Pregnancy Webinars

### Monthly Agenda Overview

12:00 - 12:05: Welcome/ Introductions

12:05 - 12:15: Updates from the teams on QI projects + collaborative

12:15 - 12:30: Brief QI teaching, Assignment

**Ronald Iverson, MD, MPH – OUD Bundle Components Overview,  
Stakeholders**

12:30 - 12:55: Guest Topics: 20 minute presentations + 5 mins for questions

**Nicole Smith, MD, MPH – OUD Screening Options**

12:55 - 1:00: Closing/ Final Comments



# OUD Webinars

Date	QI Topic	
7/21/20	<b>OUD Bundle Components Overview &amp; Stakeholders</b>	<ul style="list-style-type: none"><li>• <b>OUD Screening Options</b></li></ul>
8/18/20	Developing a Project AIM	<ul style="list-style-type: none"><li>• Plans of Safe Care</li></ul>
9/15/20	Measures for Improvement	<ul style="list-style-type: none"><li>• Caring for Patients with OUD - Using the Checklist</li></ul>
10/20/20	Key Driver Diagram	<ul style="list-style-type: none"><li>• Linkages to Care</li></ul>
11/17/20	Developing interventions	<ul style="list-style-type: none"><li>• Equity Consideration in OUD Care: Start Where you are</li></ul>
12/15/20	Understanding Run Charts	<ul style="list-style-type: none"><li>• Centering Patient Voice</li></ul>
1/19/21	Understanding Data Control Charts	<ul style="list-style-type: none"><li>• OUD SMM Data</li></ul>
2/16/21	Using the PDSA Cycle	<ul style="list-style-type: none"><li>• Early Head Start</li></ul>
3/16/21	PDSA: Making Adjustments	<ul style="list-style-type: none"><li>• MAT</li></ul>
4/20/21	Scale and Spread Up	<ul style="list-style-type: none"><li>• Pain Relief During Pregnancy, Labor, Surgery, Post-op</li></ul>
5/18/21	Sustainability	<ul style="list-style-type: none"><li>• SBIRT Check in</li></ul>

# Bring in state resources

- MASBIRT - SBIRT trainings
- CARE – TIC trainings
- OBAT - MAT trainings
- IHR - Locator, initial site for our toolkit
- MCPAP for Moms
- Moms Do Care
- Healthy Start

## Assess all pregnant women for SUDs

- Screen for polysubstance use among women with OUD.
- Screening, Brief Intervention and Referral to Treatment (**SBIRT**)



# Trauma Informed Care, Stigma and Bias Training

## Coordinated Approach to Resilience and Empowerment (CARE clinic)

The screenshot shows the website for the C.A.R.E. Clinic at Brigham and Women's Hospital. The header includes the Brigham Health logo and navigation links for Locations, Find a Doctor, Request Appointment, Patient Gateway, and Giving. A language selection dropdown is also present. The main navigation bar has three categories: Patients and Families, Medical Professionals, and Research. The breadcrumb trail reads: Home > Departments & Services > Centers of Excellence > Women's Health Center > C.A.R.E. Clinic. A back button is labeled '< BACK TO WOMEN'S HEALTH CENTER'. The left sidebar contains a list of links: About Us, Services, Resources, Trauma-Informed Care, Contact Us, and Support Our Work. The main content area features the title 'C.A.R.E. Clinic' and three paragraphs of text describing the clinic's mission, collaborative approach, and dedication to patient care. At the bottom of the sidebar, there are four dark blue buttons with white text and right-pointing arrows: 'FIND A DOCTOR', 'REQUEST APPOINTMENT', 'LOCATIONS', and 'SERVICES'.

**BRIGHAM HEALTH**  
BRIGHAM AND WOMEN'S HOSPITAL

LOCATIONS | FIND A DOCTOR | REQUEST APPOINTMENT | PATIENT GATEWAY | GIVING | Select Language

PATIENTS AND FAMILIES | MEDICAL PROFESSIONALS | RESEARCH

Home > Departments & Services > Centers of Excellence > Women's Health Center > C.A.R.E. Clinic

< BACK TO WOMEN'S HEALTH CENTER

### C.A.R.E. CLINIC

**C.A.R.E. Clinic**

The mission of the C.A.R.E. Clinic (Coordinated Approach to Resilience and Empowerment) is to transform the way healthcare, healing, and hope are delivered to survivors of domestic violence, sexual assault, and human trafficking.

Our approach is collaborative and trauma-informed. We understand that seeking care can often be re-traumatizing for survivors so we partner with them to navigate the healthcare system and leverage community resources. Together, we develop personalized care plans and provide compassionate advocacy to eliminate barriers to care and support.

Our work is dedicated to coordinating and collaborating across all medical disciplines and with community service providers to ensure the voices of the patients are heard and that each patient drives their personal care plan and service.

FIND A DOCTOR >  
REQUEST APPOINTMENT >  
LOCATIONS >  
SERVICES >

# Provider MOUD training



## Pregnant Women & Families

### Safe Care

#### What is The Plan of Safe Care (POSC)?

The Plan of Safe Care is a document created jointly by a pregnant or parenting woman, and her provider. This document helps women to think about what services or supports they might find useful, to record their preparations to parent and organize the care and services they are receiving.

A POSC can be any family service plan that covers both the parents' behavioral health/recovery services (including addiction and mental health supports) and family or child-focused services (such as referral to Early Intervention and prenatal care appointments).

#### Who Might Coordinate a POSC?

A POSC coordinator is simply the person who works with the woman/parent/caregiver on creating and maintaining a plan, and identifying and accessing desired resources. Any provider working with perinatal clients (including recovery coaches, case managers, home visitors, doulas, Early Intervention staff, treatment providers, medical providers, etc.) can serve as a POSC coordinator, provided they have the availability to meet regularly for a period of time with the client/patient and are equipped to make warm referrals to needed services.

BSAS-licensed and/or contracted providers who have relationships with clients that last longer than 30 days are expected to make sure that all clients who are pregnant or parenting an infant have a POSC. Other perinatal service providers and healthcare providers are encouraged to screen pregnant and parenting women for

#### Family Support Plan Template

FAMILY SUPPORT PLAN TEMPLATE PDF

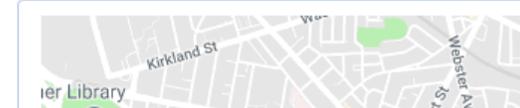
FAMILY SUPPORT PLAN TEMPLATE WORD

#### Plan of Safe Care Cover Page Template

PLAN OF SAFE CARE TEMPLATE PDF

PLAN OF SAFE CARE TEMPLATE WORD

#### Resource Search



# Linkage to Care

Massachusetts Child Psychiatry Access Program  
**MOPAP**  
For Moms



Massachusetts Child Psychiatry Access Program  
**MOPAP**  
For Moms

# Healthy Start

Celebrate the Healthy Start program's 25th anniversary.  
Our achievements include:

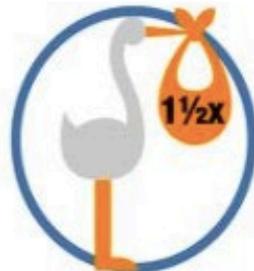


Reducing infant mortality



Addressing the differences in health  
between the general population  
and racial/ethnic minorities

We serve communities with:



Infant mortality rates at least 1 1/2 times  
the U.S. national average



Maternal and infant health issues including  
low birth weight, pre-term delivery,  
maternal morbidity and mortality



High rates of poverty, low education,  
limited access to care, and other  
socioeconomic factors

MOMS D  CARE

# Consultation from SPH teams

BUSPH: MC802 Student Consulting Team (BUSPH)  
Fall 2019



## Project RESPECT



**Boston University School of Public Health**  
**Consultants:** Jenna Barrus, Himani  
Byregowda, Ebosetale Eromosele,  
Caroline Ezekwesili



# Nursing education on racial bias in care and how to improve

INSTITUTE FOR  
**PERINATAL  
QUALITY  
IMPROVEMENT**

## Speak Up for Black Women

Strategies to Dismantle Racism, Provide  
Quality Equitable Care, and Eliminate  
Perinatal Disparities



# Collaboration with specialized treatment sites

**BRIGHAM HEALTH**  
BRIGHAM AND WOMEN'S HOSPITAL

LOCATIONS | FIND A DOCTOR | REQUEST APPOINTMENT | PATIENT GATEWAY | GIVING | Select Language

PATIENTS AND FAMILIES | MEDICAL PROFESSIONALS | RESEARCH

Home > Departments & Services > Psychiatry > Brigham Psychiatric Specialties > The Brigham Health Bridge Clinic

[BACK TO BRIGHAM PSYCHIATRIC SPECIALTIES](#)

## PSYCHIATRY

### The Brigham Health Bridge Clinic

The Brigham Health Bridge Clinic is a rapid-access, low barrier clinic for patients with Substance Use Disorders (SUDs), including alcohol, opioids, benzodiazepines, cocaine, amphetamines, etc. We embrace a harm reduction and compassionate approach for patients in all stages of recovery.

We are conveniently located at the main entrance of Brigham and Women's Hospital at 75 Francis Street, Boston, MA

[About Us](#)  
[Brigham Psychiatric Specialties](#)  
[Outpatient Psychiatry](#)

## RESPECT

GUIDELINES FOR THE TREATMENT OF OPIOID USE DISORDER IN PREGNANT AND PARENTING PATIENTS



MASSACHUSETTS  
GENERAL HOSPITAL

HOPE CLINIC

# JOURNEY

Your guide through pregnancy, recovery and early parenting.

1 Welcome

2 Pregnancy

3 Birth Day!

4 Custody & Support

5 Early Parenting

6 Resources

Meet Your Guides



# Look at what other PQCs are doing!



ALLIANCE FOR INNOVATION  
ON MATERNAL HEALTH



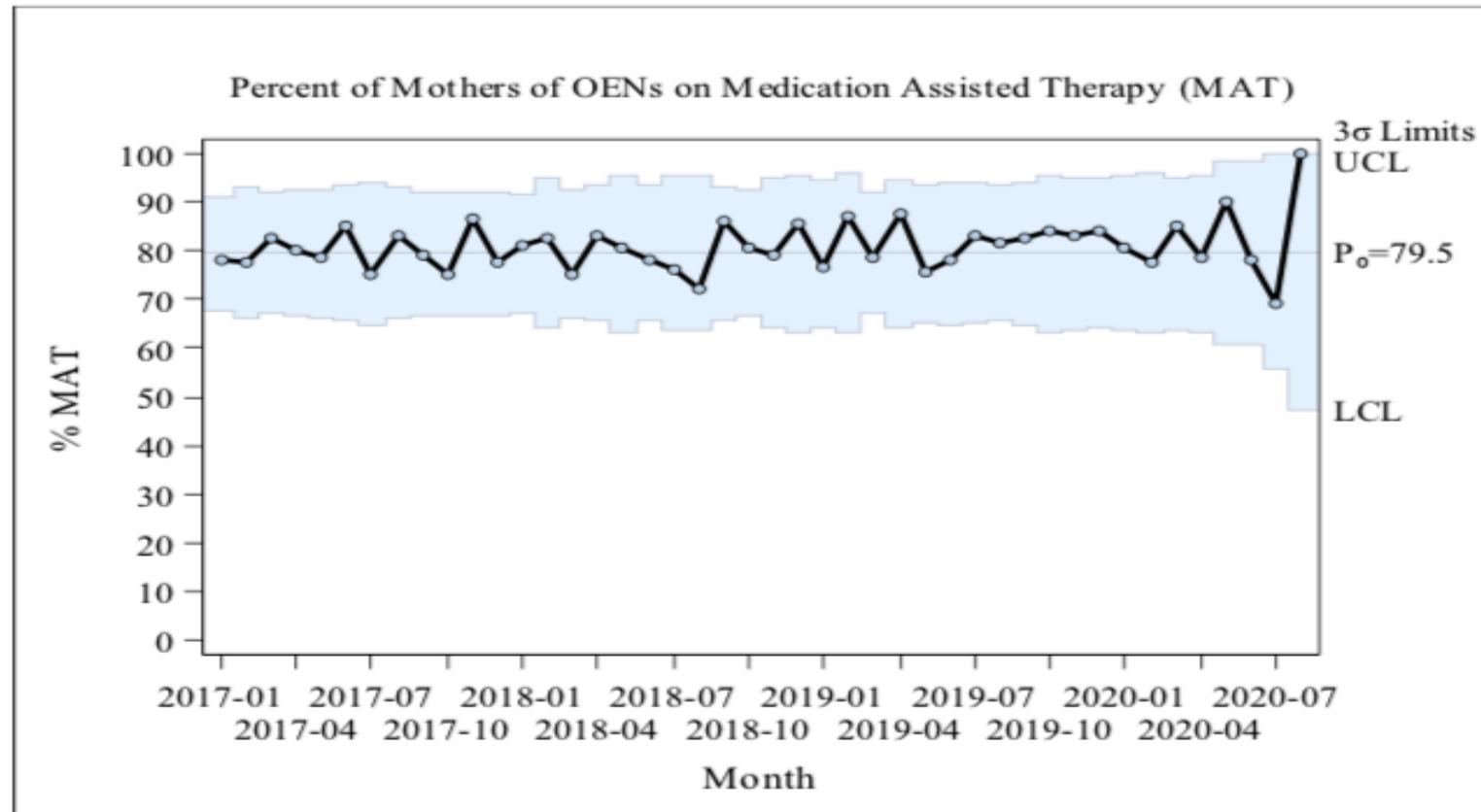
# MOUD for mothers of OENs

## Medication-Assisted Therapy in Mothers of Opioid-Exposed Newborns

Numerator: Number of newborns exposed to prescribed methadone or prescribed buprenorphine during pregnancy

Denominator: All newborns at risk for NAS due to in-utero opioid exposure

Goal: In general, higher is better



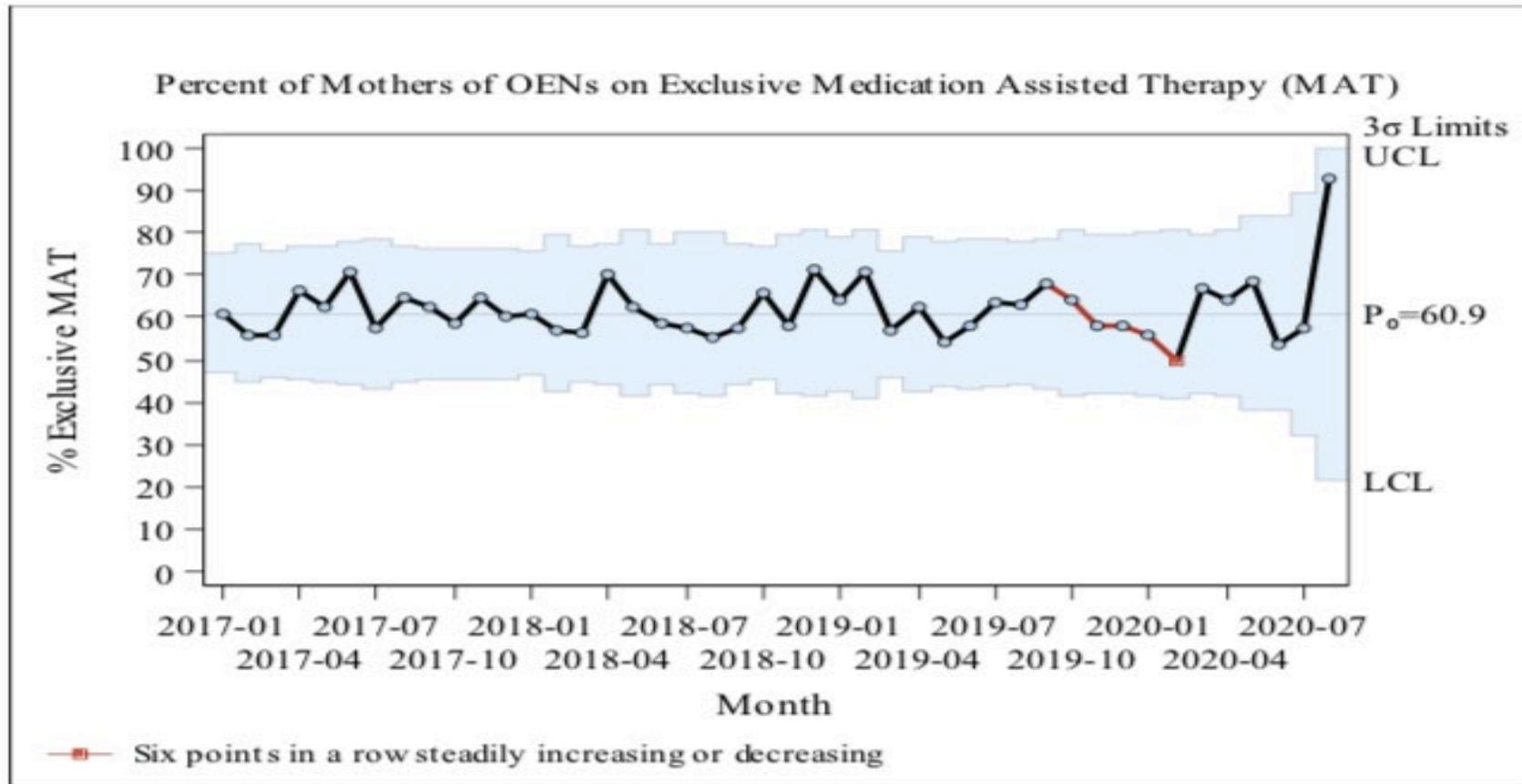
# Exclusive MOUD for mothers of OENs

## Exclusive Medication-Assisted Therapy in Mothers of Opioid-Exposed Newborns

Numerator: Number of newborns exposed exclusively to prescribed methadone or prescribed buprenorphine during pregnancy

Denominator: All newborns at risk for NAS due to in-utero opioid exposure

Goal: In general, higher is better



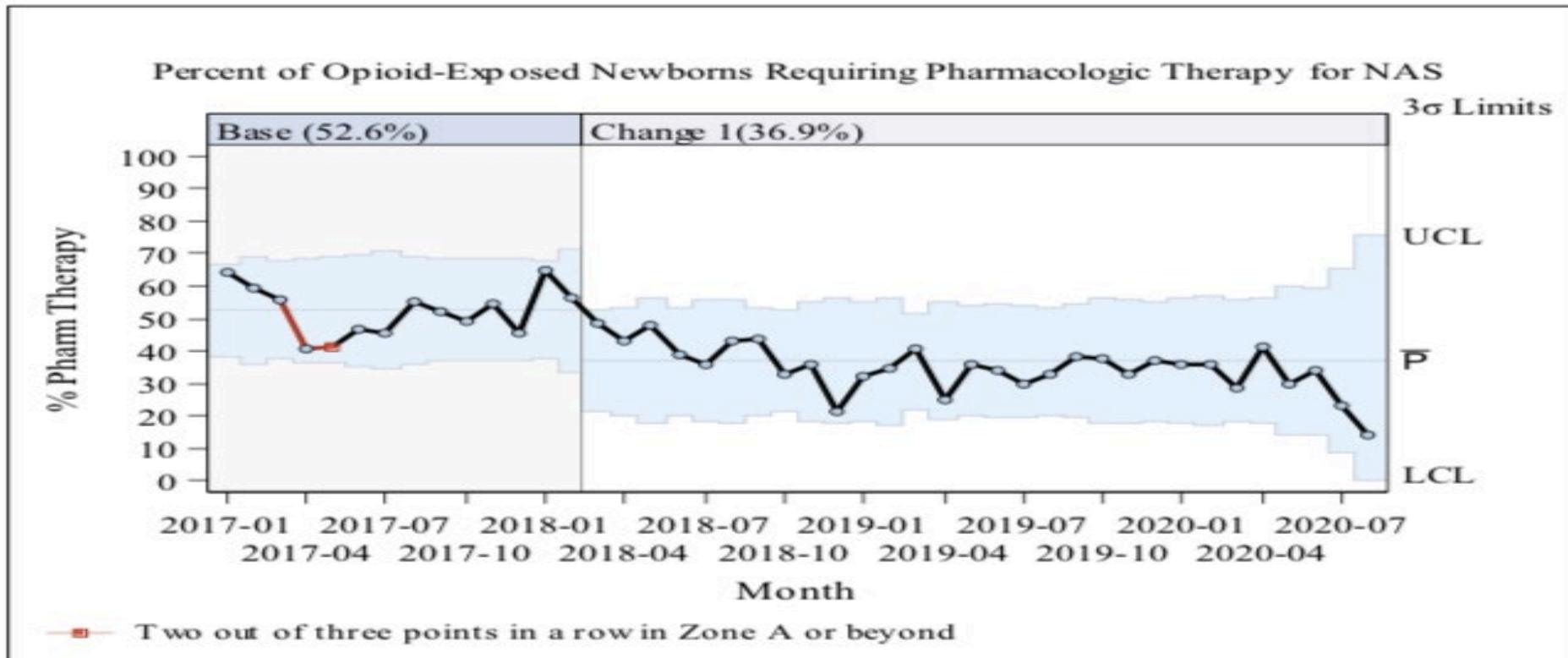
# Pharmacologic therapy for NAS

## Pharmacologic Therapy for NAS

Numerator: Number of newborns requiring a pharmacologic agent for treatment of NAS

Denominator: All newborns at risk for NAS due to in-utero opioid exposure

Goal: In general, lower is better



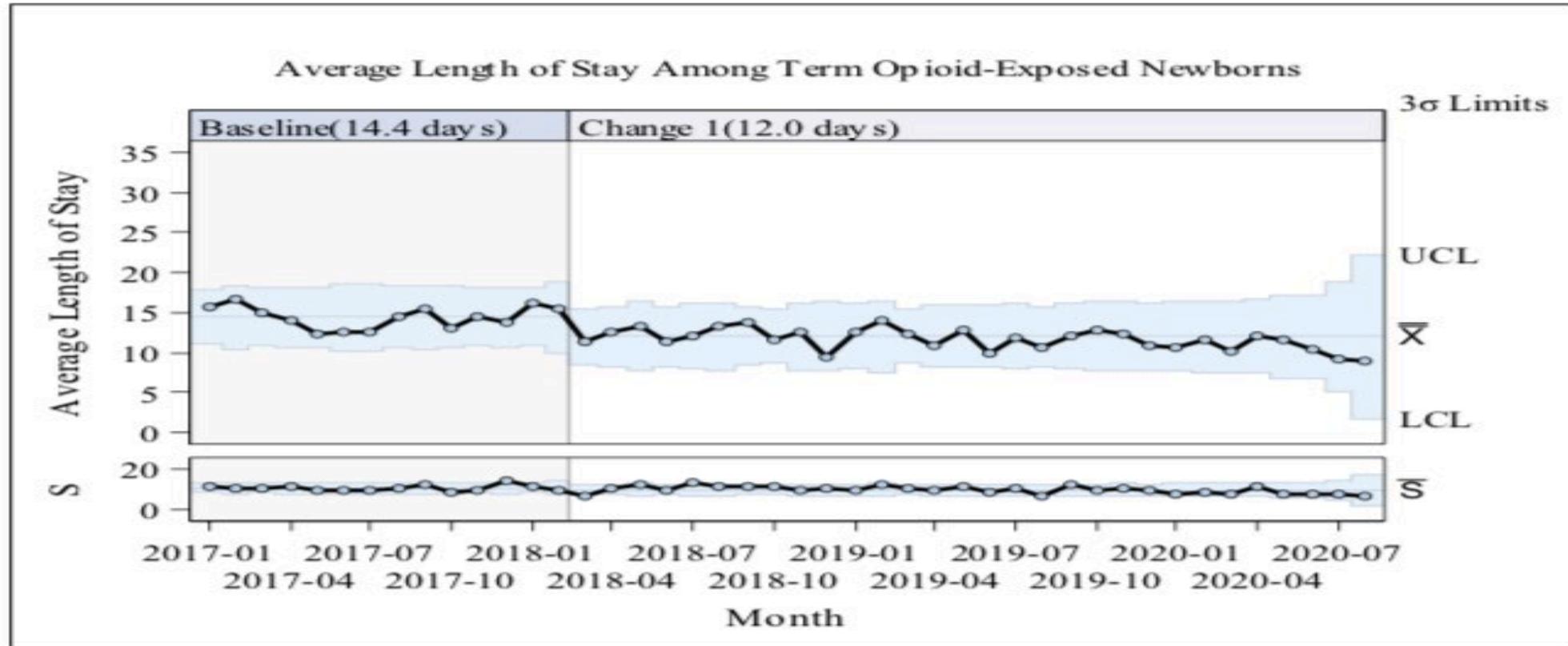
# LOS for term OENs

## Length of Hospital Stay Among Term Newborns

Numerator: Total number of days term newborns spent in hospital

Denominator: All newborns with gestational age 37 weeks or greater at risk for NAS due to in-utero opioid exposure

Goal: No specific numeric target



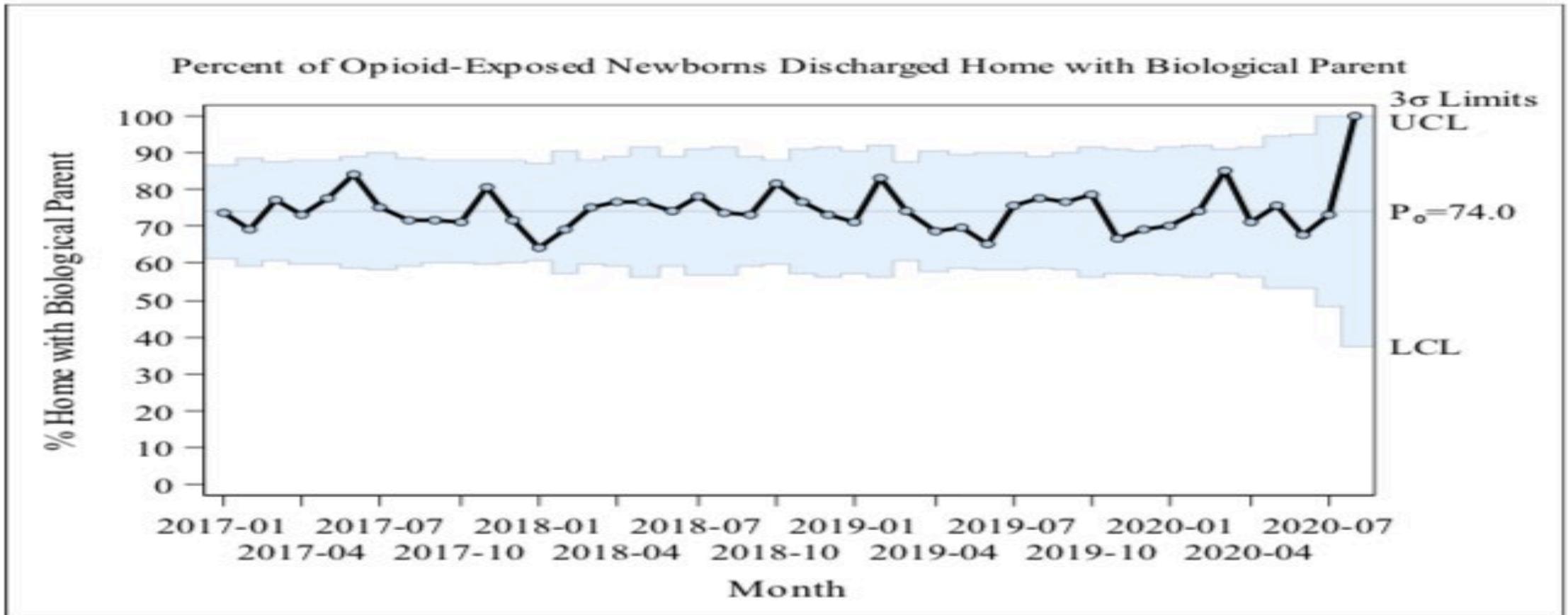
# Discharge home with biologic parent

## Discharge Home with Biologic Parent

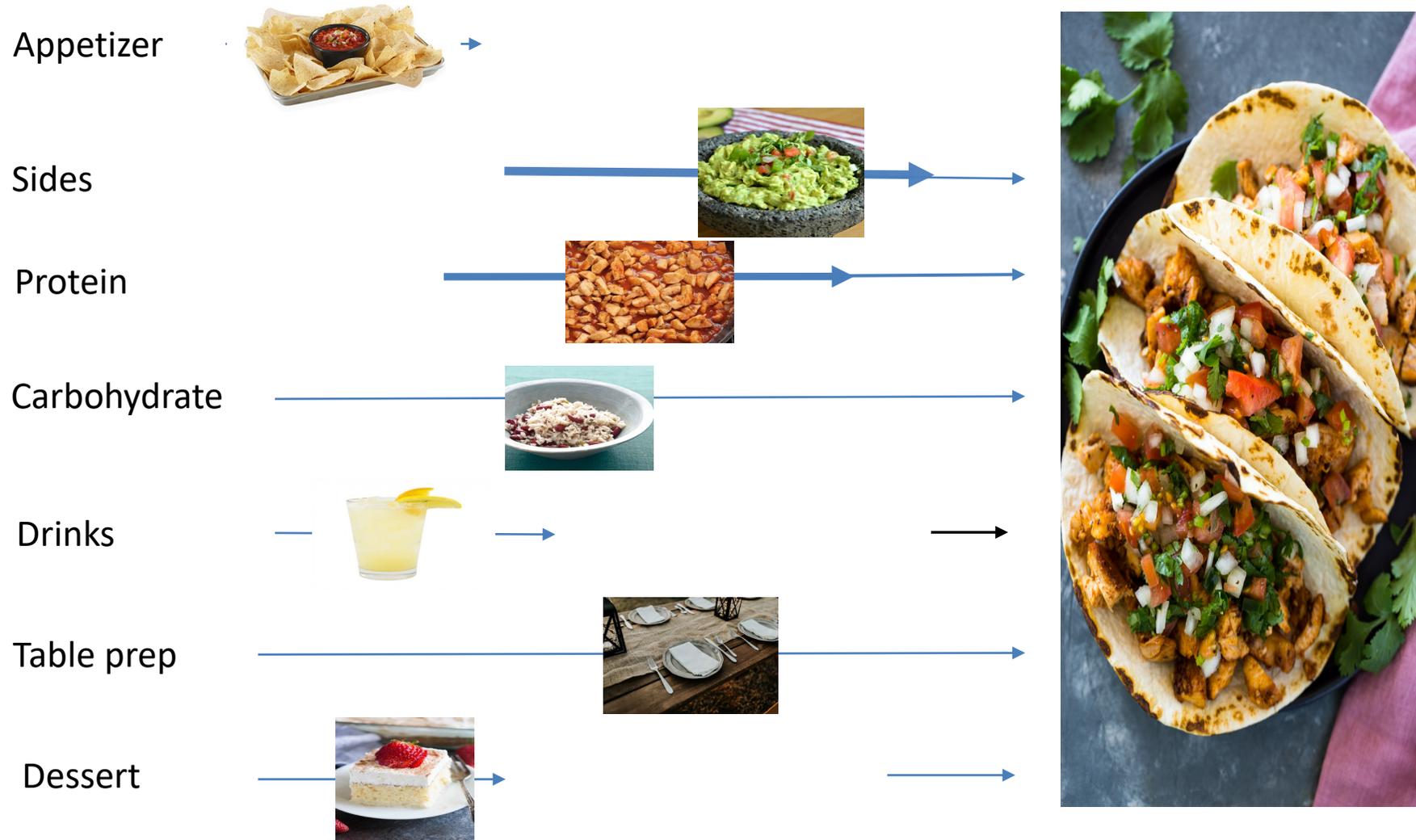
Numerator: Number of newborns who were discharged home with their biologic parent

Denominator: All newborns at risk for NAS due to in-utero opioid exposure

Goal: In general, higher is better



# Getting this all done





# Thank you

