



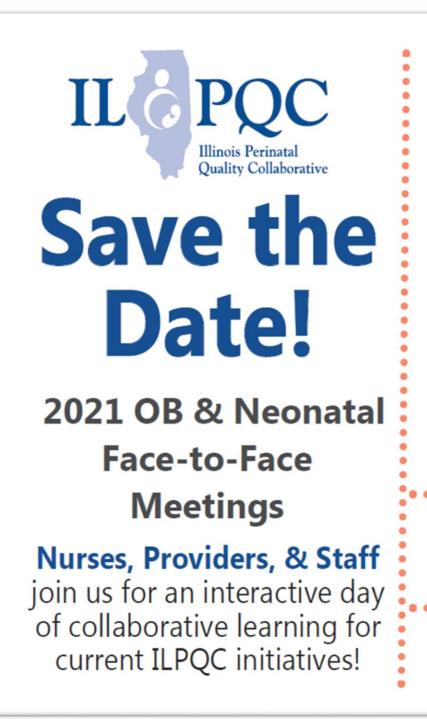
## ILPQC BASIC Teams Call

December 21, 2020 1:00 – 3:00pm

## **Call Overview**

- Introductions
- BASIC Overview
- AIMS, Key Driver Diagram, and Measures
- Unpacking the Toolkit
- 10 Steps to Get Started with BASIC
- Upcoming Calls & Timelines
- Questions





#### OB Teams: May 26, 2021

#### Neonatal Teams: May 27, 2021

# More information coming soon!

Virtual Meeting

Illinois Perinatal Quality Collaborative 633 N. St. Clair, 20th Floor Morthwestern Medicine° Feinberg School of Medicine





# Annual Conference October 28, 2021



## ILPQC STRUCTURE AND SUPPORTS

## Illinois Perinatal Quality Collaborative (ILPQC)

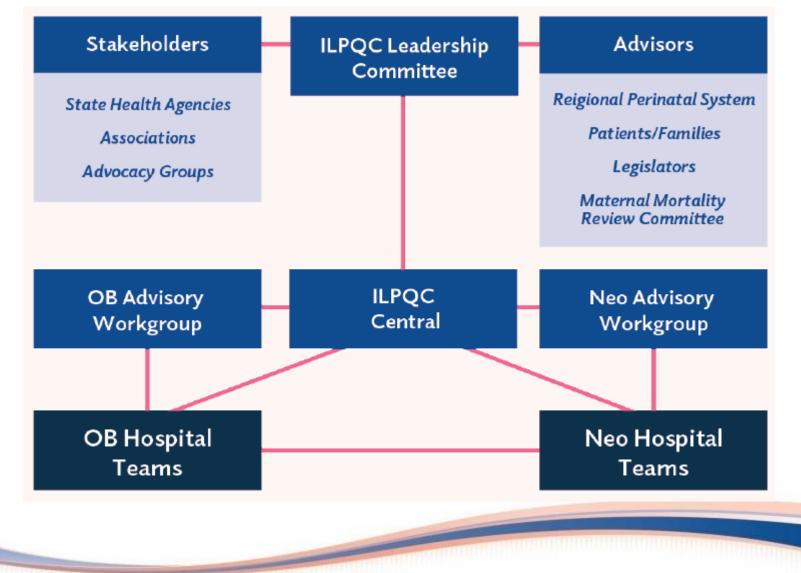


Rockford Chicago Quincy St. Louis >99% of **IL births** 

Multi-disciplinary, multistakeholder Perinatal Quality Collaborative with 107 Illinois hospitals participating in 1 or more initiative

## **ILPQC** Infrastructure





## **ILPQC** Central Team

Ann Borders ILPQC Executive Director, OB Lead

Leslie Caldarelli & Justin Josephsen Neonatal Leads

Patricia Lee King State Project Director, Quality Lead

Daniel Weiss & Autumn Perrault Project Manager, Nurse Quality Manager

Kalyan Juvvadi Data System Developer

Ieshia Johnson & Ellie Suse Project Coordinators











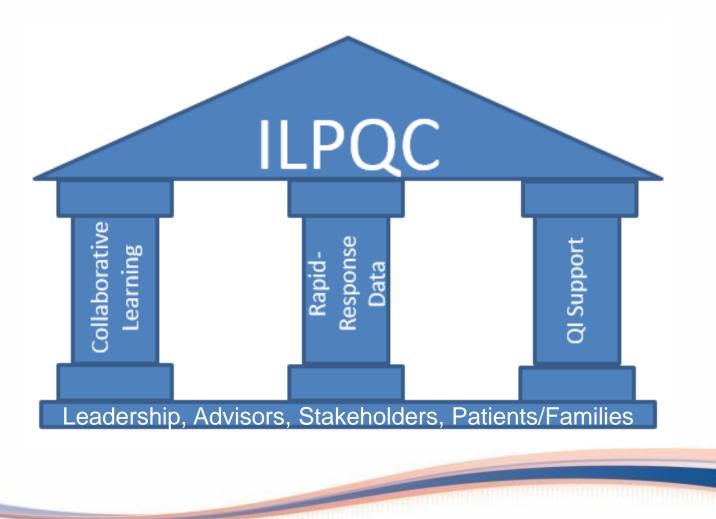








## ILPQC: Three Pillars Support ILCOPQC Quality Improvement Success



## What is Quality Improvement?



#### The Model for Improvement





© 2012 Associates in Process Improvement

Hospital QI Work: What changes can you make to your process/system and test with a PDSA cycle to reach initiative goals?



## **BASIC OVERVIEW**

## Don't Forget to Submit Your BASIC QI Team Roster!



- To date, we have 69 ILPQC hospitals signed up to participate in the BASIC initiative
- It is not too late to submit your team's QI roster- if you have not yet please do so today! <u>https://redcap.healthlnk.org/surveys/?s=H8P8TAPF33</u>
- Submitting a QI team roster is a foundational aspect of initiative participation, don't miss out on this opportunity!
- If you have any additions/edits to your roster, please email <u>Dweiss@northshore.org</u>

## Why Neonatal Antibiotic Stewardship?

Antibiotics are essential in fighting infections in newborns, but wide variations in antibiotic prescribing for newborn infections can lead to unnecessary or prolonged antibiotic exposure resulting in short- and long-term adverse outcomes such as:

- Mother-baby separation
- Reduced breastfeeding and increase formula supplementation
- Impaired development of intestinal microbiome
- Longer term chronic conditions including asthma, allergies, and obesity
- Antibiotic resistance



IL

Illinois Perinatal Quality Collaborative

### Why did ILPQC choose BASIC?





Responds to feedback from ILPQC Neonatal QI Teams, Advisory Group, Leadership Group, and Illinois stakeholders



Addresses critical importance and can affect all **babies** and **hospitals** of all perinatal levels



Supplements work hospitals have implemented with VON's AS initiative

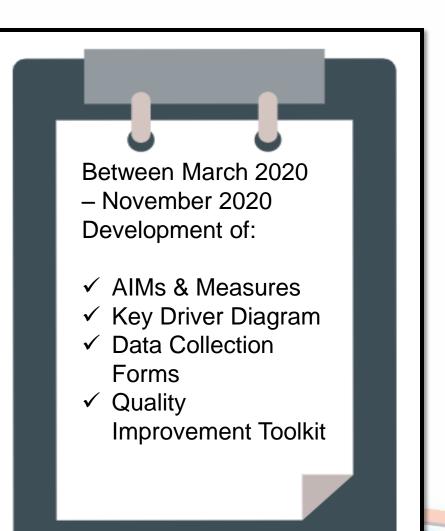


Builds on lessons learned from other PQCs who have proven effective strategies & focused AIMs to improve outcomes

# Thank you to all that helped plan the BASIC Initiative!



- BASIC Wave 1 Teams
- BASIC Planning
   Workgroup
- BASIC Clinical Leads:
  - Gustave Falciglia, MD
  - Jodi Hoskins, DNP,
     MSN-Ed, RNC
  - Kenny Kronforst, MD
  - Patrick Lyons, MD
  - Sameer Patel, MD,
     MPH



# Thank you BASIC Wave 1 Teams POC

Network	Hospital	Level	inatal
UC	Edward Hospital	III	llaborativ
UC	MacNeal Hospital		
UC	University of Chicago Medical Center		
Stroger	John H. Stroger Hospital		
NU	Northwestern Memorial		
NU	Northwest Community	III	
UIC	UIC	III	
UIC	Advocate Children's- Park Ridge / Lutheran General	III	
Loyola	Loyola University Medical Center	III	
Loyola	Morris Hospital	II	
Rush	Rush Copley Medical Center	III	
Rush	Advocate Sherman Hospital	II	
Rush	AMITA Health St. Joseph Hospital - Chicago	III	
Rockford	Javon Bea Hospital	III	
Rockford	Swedish American	+	
St. John's	Carle Foundation Hospital	III	
St. John's	Memorial Medical Center	II	
St. Francis	OSF St. Francis Medical center	III	
St. Francis	Advocate BroMenn Medical Center	II	
Cardinal Glennon	Cardinal Glennon Children's Hospital	III	
Cardinal Glennon	SSM Health St. Mary's- St. Louis	III	
Cardinal Glennon	Memorial Belleville/East	II	16



## BASIC AIMS, KEY DRIVERS, AND MEASURES

## **ILPQC BASIC**



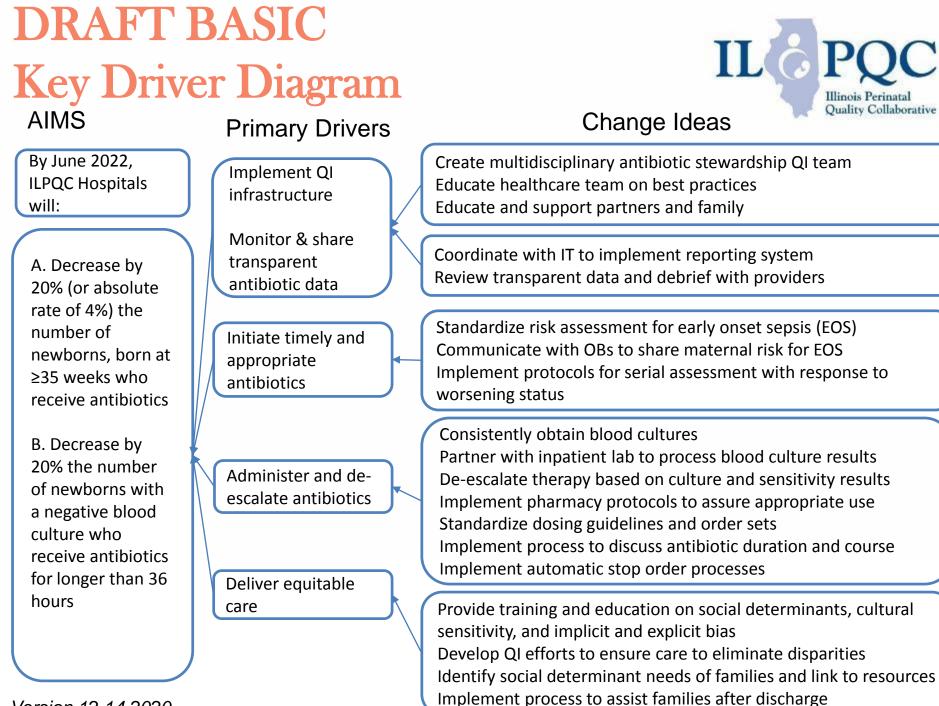


Vision: ILPQC hospitals, regardless of perinatal level or past experience with implementing newborn antibiotics initiatives, will implement best practices to provide: the right antibiotics for the right babies for the right duration

#### AIMs:

- Decrease by 20% (or absolute rate of 4%) the number of newborns, born at ≥35 weeks who receive antibiotics
- Decrease by 20% the number of newborns with a negative blood culture who receive antibiotics for longer than 36 hours



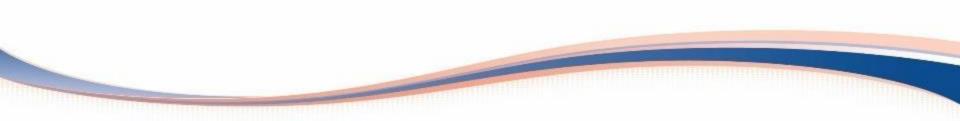


Version 12.14.2020

implement process to



## Data to Drive Change



# Structure Measures - lead to lasting changes



• Gives a sense of a health care provider's capacity, systems, and processes to provide high-quality care.

#### For example:

- Whether the health care organization uses electronic medical records or medication order entry systems
- The number or proportion of board-certified physicians
- The ratio of providers to patients



- Identifying Hospital-Level Measures: Hospital policies, protocols, and educational curriculum for providers, staff, and patients
- Building a foundation with hospital-level (structure) measures to standardize systems & drive optimal care
- Planning for sustainability at the onset



- Are the policies and practices in place that are needed to make systems improvements and facilitate culture change improvements?
- Hospital-level measures tracked <u>monthly</u> on the systems changes a hospital is making on an initiative
- Report Type: Stacked bar charts





#### Data Monitoring, Transparency, and Stewardship Infrastructure

- Provider and nurse education on abx stewardship & equitable care
- Patient education
- Electronic reporting system in EMR
- Quality Improvement Strategies to ensure feedback is provided to clinical team



#### **Timely and Appropriate Initiation of Antibiotics**

- Standardized risk assessment for early onset sepsis
- Partnership with obstetric team to standardize communication about maternal risk factors for early onset sepsis
- Standardized serial assessment of neonates
- Standardized identification and response to neonates with worsening clinical status



#### **Appropriate Administration and De-escalation**

- Standardized protocols to properly and consistently obtain blood cultures
- Partnership with inpatient lab to optimize timely processing of blood culture results and communication with care team
- Protocols to assist staff to stop or de-escalate therapy based on culture and sensitivity results
- Standardized dosing guidelines
- Standardized team approach to discuss anticipated duration of abx course at initiation of abx
- Standardized automatic stop order process

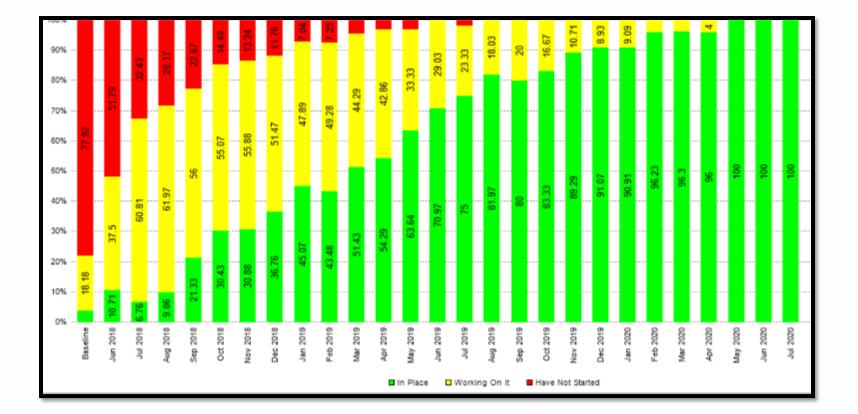


## **Equitable Care Delivery**

- Standardized process to review antibiotic data by race/ethnicity and share with providers and staff
- Implementation of social determinants of health tool and facilitate coordinated connection to community resources and follow up
- Provide information at the appropriate health literacy level
- Provide communication in preferred language

## Measuring Progress – Structure Measures





#### **Process Measures:**



Process measures indicate what a provider does to maintain or improve health, either for healthy people or for those diagnosed with a health care condition. These measures typically reflect generally accepted recommendations for clinical practice.

For example:

- The percentage of people receiving preventive services (such as mammograms or immunizations).
- The percentage of people with diabetes who had their blood sugar tested and controlled.

The majority of health care quality measures used for public reporting are process measures





- Are the parts/steps in the system performing as planned? Are we on track in our efforts to improve the system?
- Patient-level measures tracked <u>monthly</u> on the clinical culture changes being implemented
- Report Type: Run Charts

## **Process Measures**



- % of parents/families with newborns who received antibiotics who were provided education on antibiotics, early onset sepsis, and treatment plan for newborn antibiotics and early onset sepsis
- % of newborns <35 weeks gestation who received antibiotics with a risk assessment algorithm used and documented to evaluate risk of EOS
- % of newborns ≥35 weeks gestation who received antibiotics with a risk assessment tool used and documented to evaluate risk for early onset sepsis (EOS)

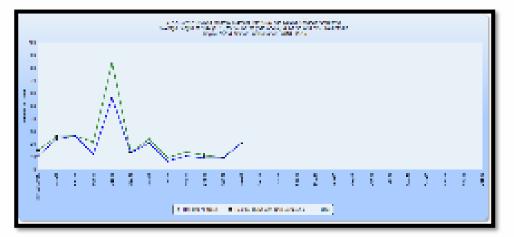
## **Process Measures**

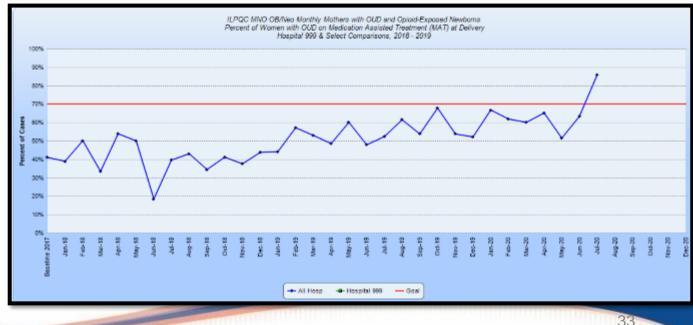


- % of all newborns who received antibiotics with documentation of maternal risk factors for neonatal EOS in the pediatric medical chart
- % of all newborns with anticipated duration of antibiotic course discussed by the clinical team at the initiation of antibiotics
- % of all newborns with an antibiotic automatic stop time order entered into the medical chart

## Types of Measures ILPQC Uses to ILCOPQC Measure Progress – Process



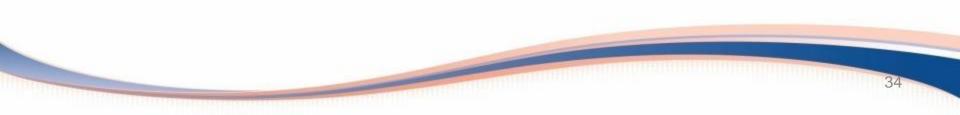








 Ensuring there are no unintended consequences of the quality improvement initiatives





## **BASIC Data Collection**

## **BASIC Data Collection**

IL C PQC Illinois Perinatal Quality Collaborative

Patient-level

#### ILPQC Babies Antibiotic Stewardship Improvement Collaborative (BASIC)

#### Monthly Newborn Data Form

#### Deta Collection Instructions:

- Please collect data on all newborns of all gestational ages receiving any intravenous (IV) antibiotics within the first 72 hours of life.
- Exclude newborns requiring surgical procedures or antibiotics for surgical prophylaxis within the first 72 hours of life.
- If a newborn that receives any intravenous (N) antibiotics within the first 72 hours of life is transferred, the receiving hospital will submit data on the newborn and should request from the transferring hospital any information pertinent to completion of the data form.
- Data will be submitted monthly for all newborns born that month who meet the following definition.
   Data should be submitted by the 15th of the month for the previous month.

REDCAP Identifiers				
SUDCap Record ID	BLDCop Record ID: (automatically generated)			
Hospital ID Number	Hospital ID Number:			
A. Maternal Demographics				
1. Maternal Age	Maternal Age:			
2. Type of Delivery	Vaginal     Cesarean section without labor     Cesarean section with labor			
8. Infant Demographics				
3. Location of initial admission	<ul> <li>Neonatal Intensive Care Unit (Level 3/4)</li> <li>Immediate Care/Special Care Nursery (Level 2/2E)</li> <li>Newborn Nursery (Level 1)</li> </ul>			
4. Date of Birth (MM/DD/YYYY)	Date of Delivery//			
5. Time of Birth (hb.com)	Time of Birth:			
6. Gestational age at birth (weeks, 0-44)	Gestational age, weeks:			
<ol> <li>Gestational age at birth (days, 0-6)</li> </ol>	Gestational age, days:			
8. Birth Weight (grams)	Birth weight:			
9. Insurance Status	<ul> <li>Medicaid/Public</li> <li>Private</li> </ul>			



#### Hospital-level Data

REDCAP Study Identifiers	asures Data Collection Form
1. SEDCee Record ID	BEDGap Record ID: (automatically generated)
2. Hospital ID Number	Hospital ID Number:
<ol> <li>Please select the time period for this quarterly data:</li> </ol>	Baseline (Oct -Dec         July 2021           2020)         August 2021           January 2021         September 2021           February 2021         October 2021           March 2021         Nevember 2021           April 2021         December 2021           May 2021         December 2021           May 2021         June 2021
Data Monitoring, Transparency, and Stewardship Infrastructure	· · · · ·
Total number of newborns admitted <35 weeks gestation this mo or antibiotics for surgical prophysics within the first 72 hours of Total number of newborns admitted <35 weeks gestation this mo requiring surgical procedures or antibiotics for surgical prophysics	ife): onth transferred out month [excluding newborns
Total number of newborns born at 235 Q/7 weeks gestation this or antibiotics for surgical prophylaxis within the first 72 hours of	month (excluding newborns requiring surgical procedur iTe):
Total number of newborns born at 235 Q/7 weeks gestation this is sargical procedures or antibiotics for sargical prophylaxis within Total number of newborns born at <35 weeks gestation this mon birth?	he first 72 hours of life):
Total number of newborns born at 235 0/7 weeks gestation this birth?	
<ol> <li>Hospital has implemented a process for standardized education for healthcare team on neonatal antibiotic stewardship best practices and equitable care</li> </ol>	Haven't started Working on it In place
At the end of this month, cumulative proportion of neonatal/pediatric providers educated on neonatal antibiotic stewardship best practices and equitable care	10%     20%     30%     40%
	50% 60% 70%
5. At the end of this month, cumulative proportion of	80%     90%     100%     100%
<ol> <li>No the end of mix month, cumarative proportion of neonatal/pediatric norses educated on neonatal antibiotic stewardship best practices and equitable care</li> </ol>	20% 30% 40%
	50% 60% 70% 80%

#### **BASIC** Monthly Patientlevel Data Collection



- Please collect data on all newborns of all gestational ages receiving any intravenous (IV) antibiotics within the first 72 hours of life.
- Exclude newborns requiring surgical procedures or antibiotics for surgical prophylaxis within the first 72 hours of life.
- If a newborn that receives any intravenous (IV) antibiotics within the first 72 hours of life is transferred, the receiving hospital will submit data on the newborn and should request from the transferring hospital any information pertinent to completion of the data form.
- Data will be submitted monthly for all newborns born that month who meet the following definition. Data should be submitted by the 15th of the month for the previous month.

## **Baseline Data Collection**

#### **Baseline Data Collection**

• (Oct, Nov, Dec 2020) due January 31st

If you missed our BASIC Data Calls

 recordings are available at <u>https://ilpqc.org/basic2021/</u>\* There is a data dictionary with definitions on the website!

IL

#### REDCap

- REDCap access has been granted by those identified when you submitted your BASIC team roster
- If you have edits to those who need access, please email <u>dweiss@northshore.org</u>

**Ouality Collaborative** 

# When and how often to submit the data



	Monthly Data Patient-Level	Monthly Hospital Measures
Data Collection Form(s) Name	BASIC Monthly Newborn Data Form	BASIC Monthly Hospital Data Form
Who/what are we collecting data on?	Newborns of all gestational ages receiving antibiotics within 72 hrs of life	Track your QI systems changes: patient and provider education, protocol implementation, mapping resources, process flow etc.
Baseline Time Period	October – December 2020 (Quarter 4)	
Baseline Due Date	January 31, 2021	
Prospective Data Collection Start	January 1, 2021	
Prospective Data Due Date	January 2021 due February 28 <sup>th</sup> 2021 15 <sup>th</sup> of the month for future months	

# Helping you use your data for BASIC success



We are SO excited to introduce a new data dashboard to optimize your monthly data review

Overall Antibiotics prescribing rate with improved hospital comparison

Monthly summary of key performance measures

**Race/Ethnicity Comparisons** 



Access to real time data allows your hospital to see the effects of QI strategies and drive QI efforts.



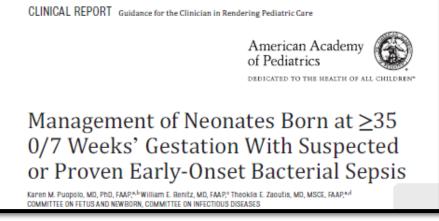
### **TOOLKIT RESOURCES**

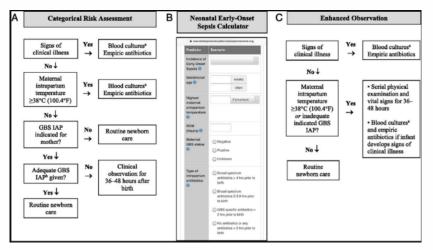
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#### **Toolkit Sections**



- Initiative QI & Data Resources
- National Resources/Guidance
- Driver 1: Data Monitoring, Transparency, and Stewardship Infrastructure
- Driver 2: Timely and Appropriate Initiation of Antibiotics
- Driver 3: Appropriate Administration and Deescalation
- Driver 4: Equitable Care Delivery





https://ilpqc.org/basic2021/

#### **BASIC** Online Living Toolkit



## Up to date resources all available online at <a href="https://ilpqc.org/basic2021/">https://ilpqc.org/basic2021/</a>

#### Toolkit

Introduction

Initiative QI & Data Resources

National Resources/Guidance

Driver 1: Data Monitoring, Transparency, and Stewardship Infrastructure

Driver 2: Timely and Appropriate Initiation of Antibiotics

Driver 3: Appropriate Administration and De-escalation

Driver 4: Equitable Care Delivery

#### Driver 1: Data Monitoring, Transparency, and Stewardship Infrastructure

#### Create a QI Team for BASIC

- Power of PQCs (paper)
- QI Leader Support Call Recording (11.13.2020)

#### Educate Healthcare Team on Antibiotic Stewardship Best Practices

- Neonatal/Pediatric Provider & Nursing Education Resources/Slide Set (Coming Soon)
- ILPQC Grand Rounds Slide Set (Coming Soon)
- CDC Core Elements of Hospital Antibiotic Stewardship Programs (2019)

#### Educate and Provide Anticipatory Guidance to Families on EOS & Antibiotic Therapy:

- Antibiotics and your baby (PQCNC)
- 5 Questions to Ask Your Baby's Doctor Before Your Baby is Given Antibiotics (PQCNC)
- Bedside Antibiotic Countdown (PQCNC)

https://ilpqc.org/basic2021/

## 10 STEPS TO GET STARTED WITH BASIC



#### 10 Steps to Prepare for **BASIC** Schedule regular BASIC QI team meetings Attend **QI Team Lead Support Call** - Provider & RN Champions Review the ILPQC BASIC Data Collection Form and discuss strategies for data collection Work with your QI team to complete the **BASIC Teams Readiness Survey** Create a **process flow diagram** to reflect your current process for antibiotic decision making

10 Steps for Teams to Prepare for BASIC

Identify opportunities for improvement and possible interventions by reviewing BASIC Key Driver Diagram

Review the ILPQC BASIC Online Toolkit for nationally vetted resources to support your improvement goals

Create a **30/60/90 day plan** to identify what you want to accomplish in the first 3 months.

Plan your first **PDSA cycle** with your team to address your 30/60/90-day plan

Reach out to ILPQC for help and celebrate your successes early and often.

#### **BASIC Readiness Survey**



- The BASIC Readiness Survey is <u>LIVE</u>
- Why this is important for you to complete?
  - Helps you identify current barriers and opportunities
  - Helps ILPQC know how best to support you
  - Helps identify leaders in the various components of the BASIC initiative to help
- Link to complete here: <u>https://redcap.healthlnk.org/surveys/?s=WNRAR</u> <u>EP88P</u>
- Please work with your BASIC QI team to complete by <u>January 15, 2021</u>



# BASIC TIMELINES & WEBINARS

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https://ilpqc.org/basic2021/

#### QI Leader Support Call



We are so excited to announce we will be hosting an encore QI Leader Support Call!!

- The webinar will outline what it means to be a QI leader for the upcoming ILPQC initiatives and will share strategies to help lead a successful QI initiative
- We encourage all QI Team Leads, provider Champions and Nurse Champions to attend
- We will discuss strategies to be an effective leader of a QI Team for the 2021 ILPQC initiatives

#### <u>Mark your Calendars:</u> January 7<sup>th</sup> from 12-1PM

#### **BASIC** Webinars



Date	Торіс
December 21, 2020 1-3 pm	<b>BASIC Initiative Launch Call</b>
2021 Monthly Webinars	Monthly BASIC Teams Calls (3 <sup>rd</sup> Monday of Month from 1-2pm CST) (Starting January 2021)

Register for all upcoming webinars here: https://northwestern.zoom.us/meeting/register/tJcpcqppjMpHdWBNEO8WJsLjfDDUz9ucmt2

### **BASIC** Webinar Topics



- Energizing teams & Tools for teams
- Neonatal Early Onset Sepsis Calculator
- Using the EMR
- Trusting the Blood Culture
- Antibiotic Stop Times
- Culture Negative Sepsis
- Clinical Assessments
- Partnering with OB teams
- Provider Education
- Patient Education
- Disparities in Neonatal EOS Care

## Commitment to Equity in Neonatal/Pediatric QI Initiatives

- Provide training and education in the social determinants, cultural sensitivity, and implicit and explicit bias
- Create a dashboard to identify and reduce inequities and disparities
- Provide a standardized tools for screening of all families for social risks and social support
- Create alliances and partnerships with community organizations
- Begin discharge planning and family education at admission, tailored to each family's needs and in a preferred language



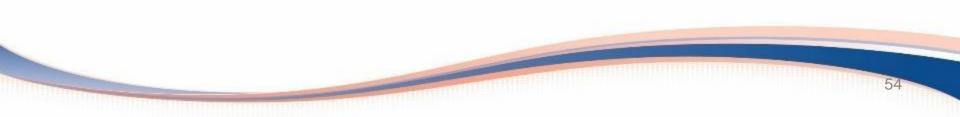




#### PATIENT FAMILY ENGAGEMENT PILOT



 Are you interested in getting small group and 1:1 support from LaToshia Rouse, national patient advisor and QI expert, to engage patients/ families in your QI work?





#### Capt. Wanda D. Barfield, MD Director, CDC Division of Reproductive Health

"Ms. Rouse is doing amazing work to give parents an audible voice in the Neonatal Intensive Care Unit," Capt. Barfield says. "She is improving the quality of parental involvement in the care of their critically ill newborns."

#### PATIENT FAMILY ENGAGEMENT PILOT

- IL C PQC Illinois Perinatal Quality Collaborative
- Don't miss out on our patient family engagement pilot exclusively for ILPQC QI teams
  - A series of 5 monthly sessions with LaToshia Rouse to help your hospital get started with patient engagement starting mid -January 2021
  - Pilot the ILPQC Patient Family Engagement Toolkit
  - Please invite **OB and Neo** team members from your hospital (provider or nurse champion)
- LaToshia will offer a custom education and support program to the hospital team and any patient advisors identified during the process
- Don't miss the amazing opportunity to build your hospital capacity to engage patients and families in your work

Email us at info@ilpqc.org by January 7 to participate

#### **ABP MOC Part IV!**





- Reminder for pediatric physicians: It's not too late for 2020 ABP MOC Part IV Credit for participation in MNO. Please submit form to <u>info@ilpqc.org</u>
- BASIC is qualified for MOC Part IV Credits in 2021
- It's 25 points! ABP.org: "...You must earn at least 40 points in Part 4 activities every five years..."

Meaningful participation is defined by the ABP as having an active role in the QI initiative including:

- Intellectually engaged in planning and executing the project
- Implementing the project's interventions (the changes designed to improve care);
- Review data in keeping with the project's measurement plan; and
- Collaborate actively by attending team meetings

#### 10 Steps to Prepare for **BASIC** Schedule regular BASIC QI team meetings Attend **QI Team Lead Support Call** - Provider & RN Champions Review the ILPQC BASIC Data Collection Form and discuss strategies for data collection Work with your QI team to complete the **BASIC Teams Readiness Survey** Create a **process flow diagram** to reflect your current process for antibiotic decision making

10 Steps for Teams to Prepare for BASIC

Identify opportunities for improvement and possible interventions by reviewing BASIC Key Driver Diagram

Review the ILPQC BASIC Online Toolkit for nationally vetted resources to support your improvement goals

Create a **30/60/90 day plan** to identify what you want to accomplish in the first 3 months.

Plan your first **PDSA cycle** with your team to address your 30/60/90-day plan

Reach out to ILPQC for help and celebrate your successes early and often.



- <u>BASIC Readiness Survey</u> by January 15<sup>th</sup>, 2020
- Begin data collection for baseline Quarter 4 2020 (October December 2020).
- Data Forms opened December 1<sup>st</sup>, 2020 for those who had requested REDCap access.
- Add <u>info@ilpqc.org</u> & <u>dweiss@northshore.org</u> to your "Safe Sender List"
- Email <u>info@ilpqc.org</u> or <u>dweiss@northshore.org</u> with any questions.



#### QUESTIONS

#### THANKS TO OUR

#### **FUNDERS**







CENTERS FOR DISEASE CONTROL AND PREVENTION



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**Family Foundation** 

Email info@ilpqc.org or visit us at www.ilpqc.org

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