



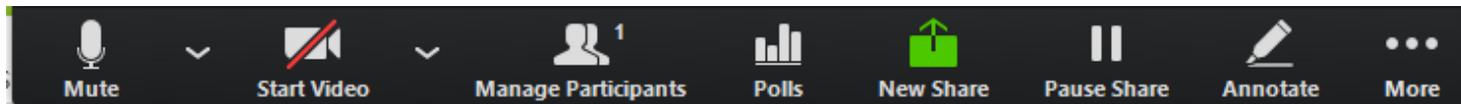
COVID-19 Strategies for OB & Neonatal Units

May 1, 2020
12:00 – 1:15pm

Welcome

Please **be certain you are on "mute"** when not speaking to avoid background noise.

Whether you have joined by phone or computer audio, you can mute and unmute yourself by clicking on the **microphone icon**.



The following shortcuts can also be used

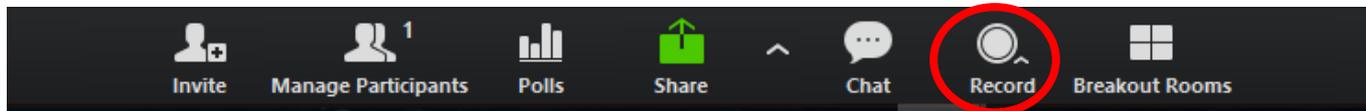
For PC: Alt + A : Mute or Unmute

For Mac: Shift + Command + A: Mute or Unmute

For telephone: *6 : Mute or Unmute

zoom

Housekeeping: We Are Recording Now



ILPQC weekly webinars



- The strategies shared today are examples from individual institutions not IDPH or ILPQC recommendations.
- Having weekly COVID-19 strategies for OB/Neonatal Units webinars every Friday at noon. Please see <https://ilpqc.org/covid-19-information/> for future webinar registration, prior recorded webinars and Q/A's from those webinars.
- Please let us know if your hospital would like to share on an upcoming webinar, please put questions/comments into the chatbox or email directly to info@ilpqc.org

Overview



- Introduction

- Discussion of OB Unit Strategies

- **Lena Alia, MD, PGY-4**, Ob Gyn Chief Resident, Mt. Sinai Hospital, Chicago
- **Jamie Kane, RN, MSN, MBA**, Nurse Manager, Maternal-Child Services, Blessing Health System, Quincy
- **Jean Goodman, MD**, Maternal Fetal Medicine, Loyola University Medical Center, Maywood
- **Abbe Kordik, MD**, OB/GYN, University of Chicago Medical Center, Chicago
- **Emily Miller, MD** – Maternal-Fetal Medicine, Northwestern University
- **Rob Abrams, MD**, Executive Director - SIU Center for Maternal - Fetal Medicine, HSHS St. John's Hospital, Springfield

- Discussion of Neonatal Unit Strategies

- **Kenny Kronforst, MD, MPH**, Attending Neonatologist, Lurie Children's Hospital and Prentice Women's Hospital; Outreach Site Leader, Norwegian American Hospital, Chicago
- **Malika Shah, MD, Medical Director**, Prentice Newborn Nursery, Northwestern Memorial Hospital, Chicago
- **Beau Batton, MD**, Chief of Neonatology, SIU School of Medicine, HSHS St. John's Hospital, Springfield
- **Leslie Caldarelli, MD**, NICU Director, Prentice Women's Hospital, Chicago
- **Justin Josephsen, MD**, Medical Director – St. Mary's Hospital NICU, Neonatologist Cardinal Glennon Children's Hospital, St. Louis

Data Update **May 7, 2020**

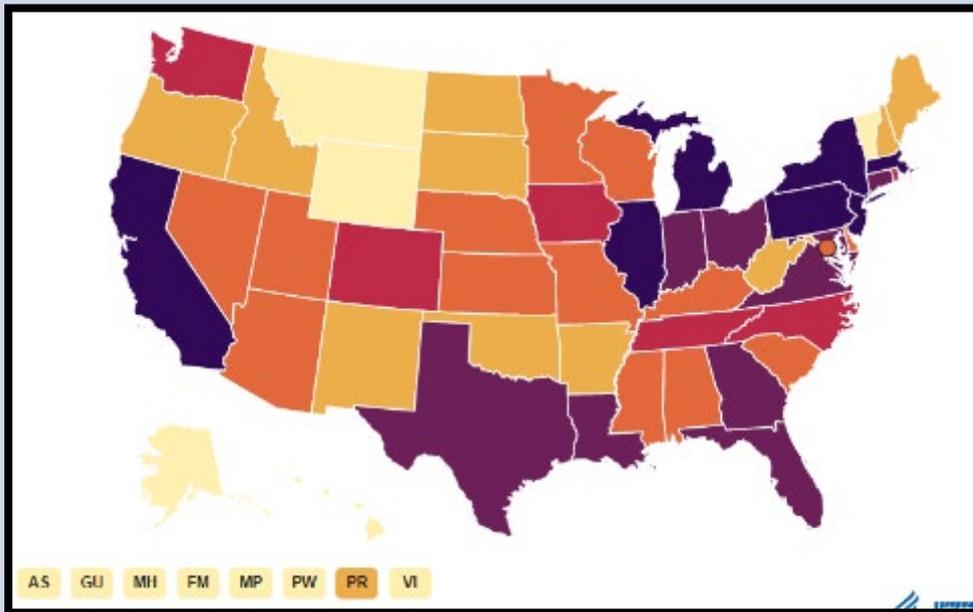
CDC/IDPH: COVID-19 Outbreak



CDC (5.7.2020)

<https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/cases-in-us.html>

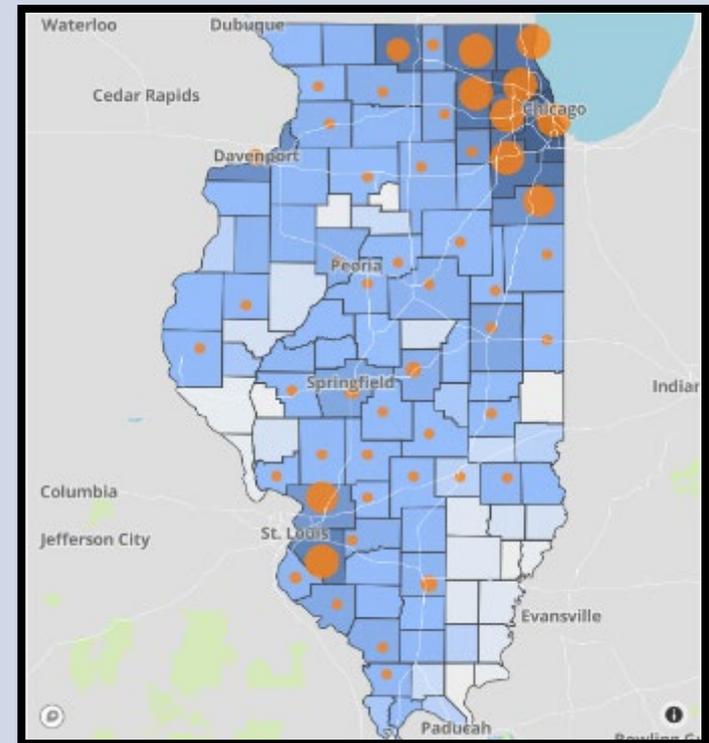
- Total cases: **1,219,066 confirmed**
- Total deaths: **73,297 confirmed**
- Jurisdictions reporting cases: 55 (50 states, District of Columbia, Guam, Puerto Rico, the Northern Mariana Islands, and the U.S. Virgin Islands)



IDPH

<https://www.dph.illinois.gov/covid19>

- **70,873** Confirmed Positive Cases
- **3,111** Deaths



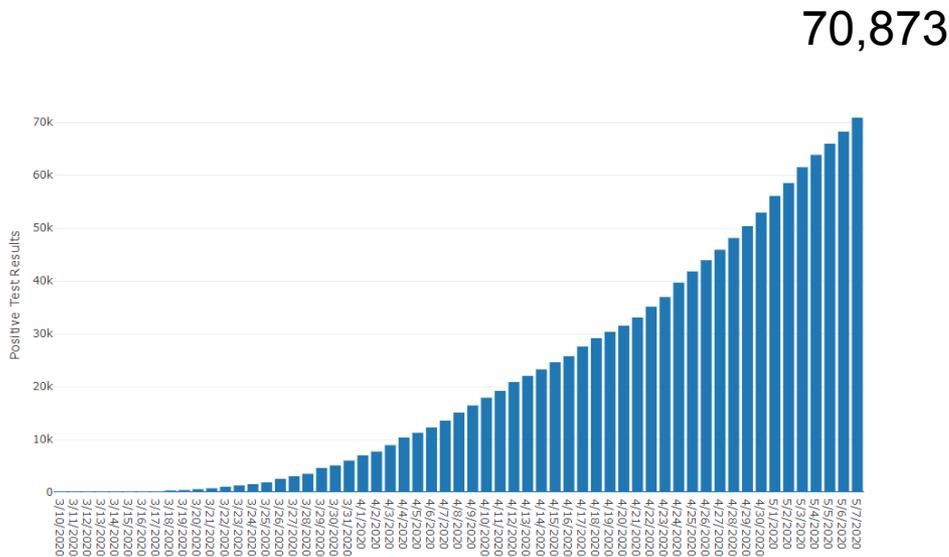
Data Update **May 7, 2020**

IDPH: COVID-19 Outbreak

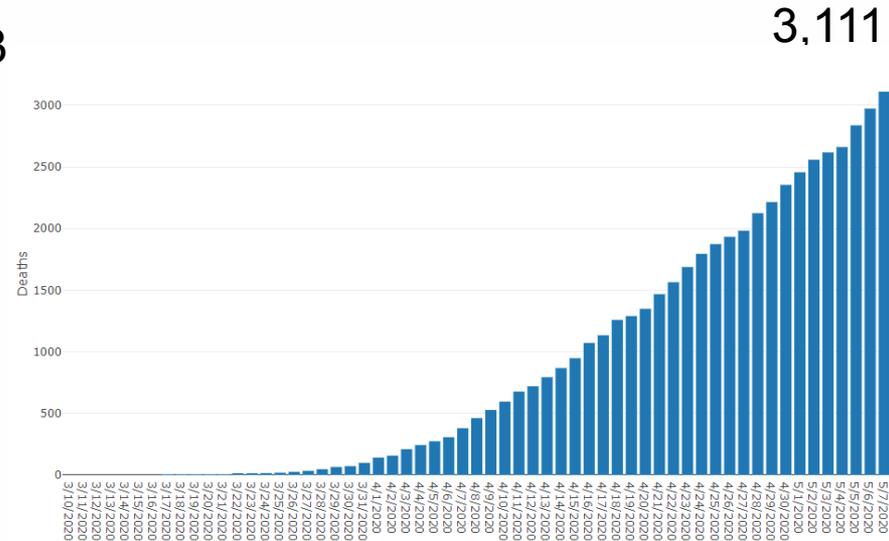
<https://www.dph.illinois.gov/covid19>



IL Positive Cases Over Time



IL Deaths Over Time



Data Update **May 7, 2020**

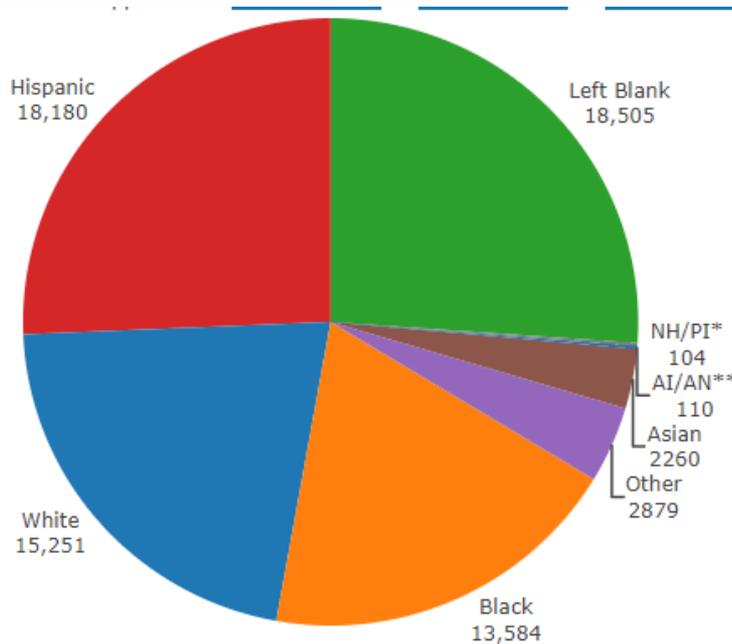
IDPH: COVID-19 Outbreak

Race Demographics

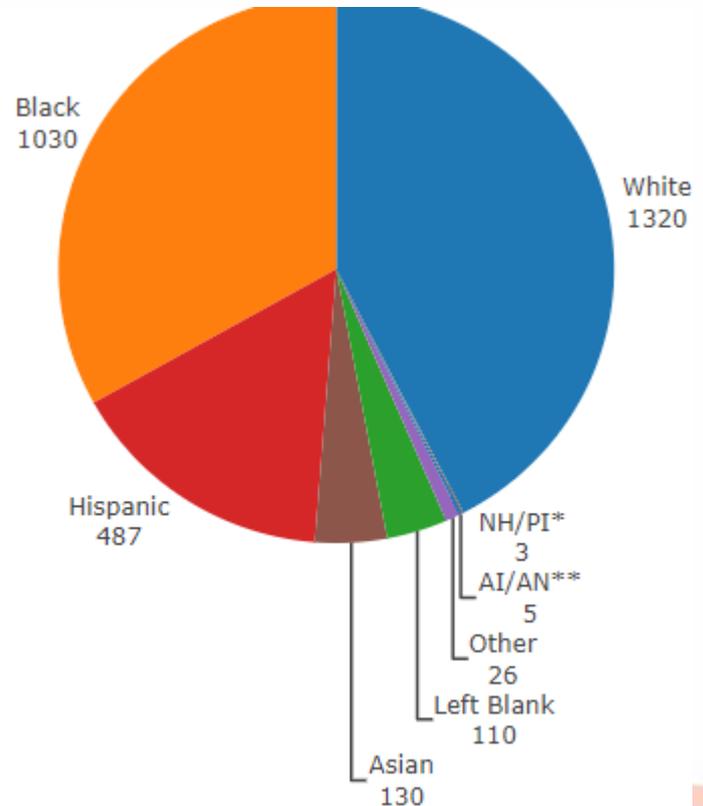
<https://www.dph.illinois.gov/covid19>



Confirmed Cases



Deaths



ILPQC COVID-19 Webpage

www.ilpqc.org



A screenshot of the ILPQC website's COVID-19 information page. The top navigation bar includes 'Home', 'About', 'Initiatives', 'News / COVID-19' (circled in red), and 'Contact'. The main heading is 'COVID-19 Information for ILPQC Hospital Teams'. The text below reads: 'Given these unprecedented times, we wanted to reach out and express our support to all of you on the front lines caring for patients. We will continue to provide national and state sources regarding the care of pregnant women and newborns during the COVID-19 crisis and will add to our monthly team webinars, we will also share COVID-19 information as it is available and hold a space for teams to share experiences. We will join us as you are able.' A second paragraph states: 'Our thoughts are with those affected and continue to be affected by this crisis. Please stay safe and healthy.' Below this is a 'Resources' section with links: 'Example COVID-19 Hospital Policies/Protocols/Resources', 'CDC Resources', 'ACOG, SMFM, and AJOG Resources', 'Perinatal Mental Health Resources', 'COVID-19 National Registries', and 'Relevant News Articles'. The first link is highlighted with a blue underline.

ILPQC posts national guidelines and OB & Neonatal COVID-19 example hospital protocols & resources

please note dates as guidelines are changing rapidly

<https://ilpqc.org/covid-19-information/>

IDPH Communications



- [IDPH - Coronavirus Disease 2019 \(COVID-19\)](#)
- [IDPH - Coronavirus Disease 2019 \(COVID-19\): Press Releases / Briefings](#)
- [IDPH - Coronavirus Disease 2019 \(COVID-19\): Frequently Asked Questions](#)
- [Coronavirus COVID-19 Global Cases by Johns Hopkins CSSE](#)
- [CDC Homepage for Coronavirus Disease 2019 \(COVID-19\)](#)
- IDPH: [COVID-19 Considerations for Healthcare Providers in ANY Healthcare Setting \(4.26.2020\)](#)
- CDC: [Symptom-Based Strategy to Discontinue Isolation for Persons with COVID-19 \(5.3.2020\)](#)
- IDPH: [Changes to Isolation Period for COVID-19 Cases \(5.7.2020\)](#)
- IDPH: [COVID-19 Elective Surgeries & Procedures \(4.24.2020\)](#)
- For purposes of this policy guidance, an elective inpatient procedure is defined as an elective procedure in which the patient being considered for that procedure is likely to remain in the hospital for more than 23 hours, starting from the time of registration and ending at the time of departure. For a hospital to perform inpatient procedures, all criteria listed in both Section (C) and Section (D) below must be satisfied.
- Preoperative Testing for COVID-19. Facilities must test each patient within 72 hours of a scheduled procedure with a preoperative COVID-19 RT-PCR test and ensure COVID-19 negative status. Patients must self-quarantine until the day of surgery after being tested. A temperature check must also be completed on the day of arrival at the facility with results of less than 100.4 degrees prior to proceeding with an elective procedure. When clinically acceptable, providers should consider using telemedicine for preoperative visits. In such cases, face-to-face components of the exam can happen after the result of the preoperative COVID-19 test result is known to be negative

Updated OB/Neo Resources



- [AAP- Initial Guidance: Management of Infants Born to Mothers with COVID-19](#) (4.2.2020)
- [NEJM: Universal Screening for SARS-COV-2 in Women Admitted for Delivery](#) (4.13.2020)**
- [SMFM and SOAP: Labor and Delivery COVID-19 Considerations](#) (4.14.2020)
- ACOG: [COVID-19 FAQs for Obstetrician-Gynecologists, Obstetrics](#) (4.22.2020)
- ACOG: [COVID-19 Practice Advisory](#) (4.23.2020)
- AJOG: [Coronavirus disease 2019 \(COVID-19\) in pregnant women: A report based on 116 cases from China](#) (4.23.2020)
- ACOG & SMFM: [COVID-19 Algorithm](#) (Shared 4.23.2020)
- [FDA Warning on Hydroxychloroquine](#) (4.24.2020)
- AJOG: [False-Negative COVID-19 Testing: Considerations in Obstetrical Care](#) (4.28.2020)
- SMFM: [Management Considerations for Pregnant Patients With COVID-19](#) (4.29.2020)
- ACOG: [Early Acute Respiratory Support for Pregnant Patients With Coronavirus Disease 2019 \(COVID-19\) Infection](#) (4.29.2020)
- JACC: [Association of Treatment Dose Anticoagulation with In-Hospital Survival Among Hospitalized Patients with COVID-19](#) (5.6.2020)

ILPQC COVID-19 Webpage Resources

- Please click [here](#) for COVID-19 resource webpage

Updated OB/Neo Resources



- IDOH: Recommended Guidelines for the Care of Pregnant Women and Newborns During the COVID-19 Pandemic (3.20.2020)
- AAP: *FAQs: Management of Infants Born to Mothers with Suspected or Confirmed COVID-19* (4.2.2020)
- AAP: *Initial Guidance: Management of Infants Born to Mothers with COVID-19* (4.2.2020)
- NFIM: *Universal Screening for SARS-CoV-2 in Women Admitted for Delivery* (4.13.2020)**
- SMFM and SOAP: *Labor and Delivery COVID-19 Considerations* (4.14.2020)
- CDC: *COVID-19 OB Care FAQs* (4.16.2020)
- ACOG: *COVID-19 FAQs for Obstetrics* (4.22.2020)
- ACOG: *COVID-19 Practice Advisory* (4.23.2020)

COVID-19 OB & Neonatal National Registries



OB Registry:

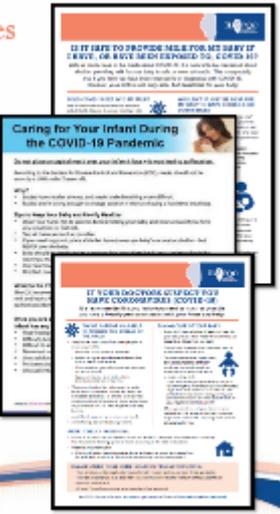
- **PRIORITY:** Nationwide registry established by UCSF for pregnant and postpartum women with suspected COVID-19 or confirmed diagnosis. The goal is to gather a high volume of nationwide data on COVID-19 in pregnancy.
- CDC is collecting data on COVID-19 through a **Case Report Form (CRF)**, which should be completed for all cases. The **CRF can be found here**.

Neonatal Registry:

- Section on Neonatal COVID-19

New Patient Education Resources

- ACOG: *COVID-19 Pregnancy & Breastfeeding: A Message to Patients* (English & Spanish) (4.16.2020)
- Advocate Children's Hospital: *Caring for Your Infant During the COVID-19 Pandemic* (4.14.2020)
- *"Is It Safe to Provide Milk for my Baby if I Have, or Have Been Exposed to, COVID-19?"* (Adapted by ILPQC with permissions 4/2020)
- *"If Your Doctors Suspect You Have COVID-19"* (Adapted by ILPQC with permissions 4/2020)
- March of Dimes: *COVID-19: What You Need to Know About Its Impact on Moms and Babies* (4.8.2020)
- *IL EverThrive: Protecting and Caring for Your Family During the Coronavirus Outbreak* (4.3.2020)
- *SMFM Information for Women & Families* (4.3.2020)
- *The 4th Trimester Project's patient education website on COVID-19 For New Moms* (3.2020)



IL Perinatal Depression & Anxiety Hotline



- Answered live 24/7
- Staffed by licensed mental health professionals trained in perinatal mood & anxiety disorders
- Support for moms, partners, families & providers



Heartbroken by infertility or loss? Overwhelmed by a new baby?

You are not alone.

Please call us. We can help.
1-866-364-MOMS (6667)



You're Invited!

2020 OB & Neonatal Face-to-Face Meetings

Nurses, Providers, & Staff
join us for an interactive day of
collaborative learning for current
& upcoming ILPQC initiatives!

OB Teams: May 20, 2020

Meeting: 9:00a – 3:00p

Mothers & Newborns affected by Opioids - OB (MNO-OB)
Immediate Postpartum LARC (IPLARC)
Improving Postpartum Access to Care (IPAC)
Promoting Vaginal Birth (PVB)

Neonatal Teams: May 21, 2020

Meeting: 9:00a – 3:05p

Mothers & Newborns affected by Opioids - Neonatal (MNO-Neonatal)
Babies Antibiotic Stewardship Improvement Collaborative (BASIC)

Register now! <https://ilpqc.eventbrite.com>

This activity has been submitted to the Ohio Nurses Association for approval to award contact hours. The Ohio Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. (OBN-001-91)

NEW VIRTUAL MEETING – FREE!!

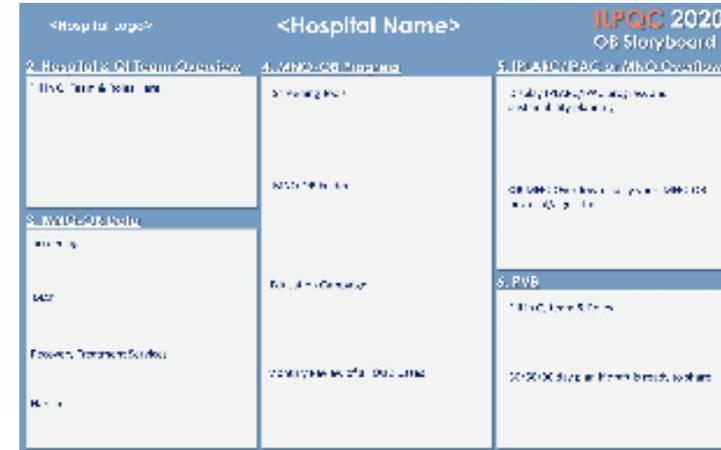
<https://ilpqc.Eventbrite.com>

Illinois Perinatal Quality Collaborative
633 N. St. Clair, 20th Floor
Chicago, IL 60611

F2F Virtual Storyboard Session



- All teams will submit a virtual storyboard for the Face to Face to share their QI work from the year – brief bullets
- ILPQC will provide a template and an instruction sheet to use
- For MNO-OB & Neo, share your progress toward crossing the finish line including implementation of the 4 key strategies
- For IPLARC/IPAC teams, share your Go Live success and sustainability plans
- For PVB teams, share your PVB QI Team, and can include if you have ideas for getting started.
- Awards for top storyboards and for participating in the virtual SB session.



ILPQC Storyboard Instruction Sheet

We're Glad You're Here!

<Thank you for participating in the ILPQC Storyboard Project, where teams share their top initiatives to elevate perinatal healthcare around the state... or other inspirational text to summarize importance/participation.>

OB-Storyboard Instructions	Neo-Storyboard Instructions
<p>1. Insert your hospital logo and name at the top of the slide.</p> <p>2. Hospital & QI Team Overview List your QI team and roles. Also insert a picture of your QI team and hospital.</p> <p>3. MNO-OB Data Insert structure measures graphs from RedCap for one of more of the following: - Screening Tool - MAT - Recovery Program/Services - Narscan</p> <p>4. MNO-OB Progress Fill in MNO-OB progress towards four key strategies for success. The four key strategies are: - Screening Tools - MNO-OB Folders - Education Campaign - Monthly Review of all OUD cases</p> <p>5. IPLARC/IPAC or MNO Overflow Use this area to insert IPLARC & IPAC reports or as additional space to share your MNO Progress.</p> <p>6. PVB Tell us about your PVB QI Team and about your 30/60/90 day plan if team has a draft ready to share.</p>	<p>1. Insert your hospital logo and name at the top of the slide.</p> <p>2. Hospital & QI Team Overview List your QI team and roles. Also insert a picture of your QI team and hospital.</p> <p>3. MNO-Neo Data Insert structure measures and graphs for one of more of the following: - Breastfeeding - Pharm/Non-Pharm Treatments - Coordinated Discharge Plans</p> <p>4. MNO-Neo Progress Fill in MNO-Neo progress towards four key strategies for success. The four key strategies are: - NAS Assessment Tools - MNO-Neo Folders - Education Campaign - Monthly review of all NAS cases</p> <p>5. Coordinated Discharge Share your team's current discharge process and materials.</p> <p>6. BASIC Share your: - Anticipated team members and role on the team - Current tools or materials (ex. National Septic calculator) your hospital has implemented prior to the launch of the initiative - Potential barriers and strategies to overcome them</p>

7. Save the document and send completed storyboard by May XX, 2020 to jb@thejbccreative.com.

Thank you for your participation!

Please contact Jodie Brooks at jb@thejbccreative.com with questions.

[Masks for MOMs wants to get reusable cloth face masks to the moms and moms-to-be who need them in the Chicago-land area.](#)

The aim is to ensure that pregnant moms from vulnerable communities have access to face masks at their prenatal visits and when they arrive at hospitals for delivery.

[Find out more & sign-up to volunteer at https://bit.ly/masksforMOMs](#)

MASKS FOR MOMS

HELPING MOMS &
BABIES STAY SAFE



DONATE CDC APPROVED HANDMADE MASKS FOR EXPECTANT MOMS IN THE CHICAGOLAND AREA.

GET INVOLVED: [BIT.LY/MASKSFORMOMS](https://bit.ly/masksformoms)

EMAIL INFO@BLACKGIRLSBREAKBREAD.ORG FOR MORE INFO.

DONORS SHOULD SPECIFY THE TYPE AND QUANTITY OF MASKS AND WHETHER THEY CAN BE DELIVERED OR PICKED UP, AND INCLUDE THEIR EMAIL ADDRESS AND PHONE NUMBER.

BLACK GIRLS
BREAK BREAD™

Every
Thrive
Illinois
Coalition of
Black Communities

IL & PQC
Black Parents
Quality Collaborative

ADDCS COMMUNITY
HEALTH
NETWORK
TRANSFORMING COMMUNITY HEALTH CARE

I PROMOTE IL
LEADERSHIP IN COMMUNITY-DRIVEN
PROMOTION OF SAFETY

UIC
OFFICE of Community Engagement
OUR NEIGHBORHOODS
THRIVE

IDPH

UIC

Center of Excellence in
Maternal and Child Health

AllianceChicago
POWERING THE FUTURE TOGETHER

WEST SIDE UNITED: Building Blocks
to Better Health



Topics:

- COVID-19 & Pregnancy
- Prenatal Care
- Nutrition
- Stress Management
- Labor and Delivery
- Family Planning
- Postpartum Care
- Breastfeeding
- Much More.....

<http://www.cvent.com/events/supportive-pregnancy-virtual-groups-/event-summary-973b69bfc5dc46ff93a407f4417fb609.aspx>

SUPPORTIVE PREGNANCY VIRTUAL GROUP

Join an informative, interactive group via Zoom that will help you connect with other people who are pregnant and due about the same time you are. There is also a postpartum group for those who have recently had their baby, and there is also a group in Spanish.

Registration link is below. For more information, please contact MCH Director, Ashley Phillips, aphillips@marchofdimes.org

15 weeks Long: April 30-August 6

REGISTRATION: <http://www.cvent.com/events/supportive-pregnancy-virtual-groups-/event-summary-973b69bfc5dc46ff93a407f4417fb609.aspx>

WIC is Open

- Services and office hours may look different, with many offices offering phone services and curbside pick-up of WIC benefits. Call or check your WIC office FaceBook page or website for specifics.
- To find a clinic near you: <http://bit.ly/WICOfficeLocator> or call 217-782-2166
- WIC does not require proof of Citizenship or immigration status.
- Serving: Pregnant, breastfeeding and postpartum women, infants, and children up to 5.
- Providing nutrition education, breastfeeding support and healthy foods: Whole grains, cereal, milk, eggs, cheese, peanut butter, beans, and fruit/vegetables

IL WIC: [Here for You During COVID-19 Fact Sheet](#) (4.3.2020)

DISCUSSION OF OB UNIT STRATEGIES

OB Discussion Panel



- **Lena Alia, MD, PGY-4**, Ob Gyn Chief Resident, Mt. Sinai Hospital, Chicago
- **Jamie Kane, RN, MSN, MBA**
Nurse Manager, Maternal-Child Services, Blessing Health System, Quincy
- **Jean Goodman, MD**, Maternal Fetal Medicine, Loyola University Medical Center, Maywood
- **Abbe Kordik, MD**, OB/GYN, University of Chicago Medical Center, Chicago
- **Emily Miller, MD** – Maternal-Fetal Medicine, Northwestern University, Chicago
- **Rob Abrams, MD**, Executive Director - SIU Center for Maternal - Fetal Medicine, HSHS St. John's Hospital, Springfield

**Mt. Sinai Hospital
Chicago, IL
Represented by:
Dr. Lena Alia PGY-4**

- ▶ Safety Net Hospital
- ▶ Level III Perinatal Center
- ▶ Rush Perinatal Network
 - ▶ 319 bed hospital
 - ▶ 14 Labor and Delivery rooms
 - ▶ No negative pressure rooms on L&D
- ▶ 1600 deliveries per year



Case Presentation

- 29 y/o G2P1001 at 39 weeks gestation presenting for scheduled repeat cesarean section. Patient had uncomplicated pregnancy. Patient's initial COVID screen was negative. History of well controlled asthma and a prior cesarean section.
- Patient was brought to L&D stepdown unit for initial intake and preop evaluation. On further questioning, patient disclosed her mother had passed away 1 week prior from COVID-19 complications. Reported last contact with mother 14 days ago.
- A rapid COVID test was done which resulted positive
- Vitals: T-36.9, BP-113/74, P-106bpm, RR-18 breaths/min, SpO2 98% on RA
- Physical exam- WNL
- FHT: Category 1
- Proceeded with repeat low transverse cesarean section with spinal anesthesia
- Delivered a female neonate, APGAR 9/9



Case Presentation



- Neonate was immediately taken to NICU under isolation. COVID testing was done at 24 and 48 hours of life and was negative.
- Mother had an uncomplicated postoperative course and was d/c home on postop day#2.
- Home with prophylactic anticoagulation for 2 weeks postpartum
- She was instructed to remain in isolation while at home and to use the proper precautions when coming in contact with the newborn.
- Infant experienced difficulty with feeding. NG tube was placed on day of life 2 to assist with feeding. NG tube was removed on day of life 4. Infant proceeded to feed normally and was d/c home on day of life 6 to healthy family member.

Highlights/Lessons Learned



- Total of 95 OB patients tested as of May 4th
- Total of 10 COVID positive patients- 11% of our population
 - 40% were symptomatic
 - 60% were asymptomatic
- Initiated universal testing on April 11th
 - Testing is done 72 hours prior to scheduled IOL or C-section
 - Testing is done in the “COVID trailers” between 11:00-1:00, Mon-Fri
 - Results usually within 36-48 hours
 - Patients admitted without previous testing have a rapid test done on admission
- All babies were separated from mom at delivery and tested twice
 - All babies tested negative
 - Some were discharged home prior to discharge of the mother in coordination with social work
- Universal screening has proven to be vital given the number of asymptomatic patients who tested positive.
- Prophylactic anticoagulation for COVID positive mothers undergoing cesarean section even if asymptomatic or mildly symptomatic.

Mount Sinai Hospital Protocols (4.16.2020)



- [Recommendations for COVID-19 OB Surgical Patients on Labor and Delivery](#)
- [C-Section Admission Procedure](#)
- [COVID-19 L&D Checklist](#)
- [Disposition of Pregnant PUI or Confirmed COVID-19 Patients](#)
- [OB Triage Admission Procedure](#)
- [Induction of Labor Admission Procedure](#)
- [Initial Evaluation of OB Patient Triage- ER](#)
- [Practice Changes on L&D for All Laboring Patients \(4.15.2020\)](#)

Blessing Hospital Quincy, IL



- ◀ South Central Illinois Perinatal Network
- ◀ Level II Hospital
- ◀ 1150 deliveries/year
- ◀ Presented by:
 - ◀ Jamie Kane, RN, MSN, MBA
Nurse Manager, Maternal
-Child Services
 - ◀ Lauren Tallman, RN, BSN
Labor and Delivery



Case Review

- ◀ G3P2 38.5 weeks
- ◀ Spontaneous labor, presented at 5cm, negative COVID interview questions
- ◀ Six hour labor, afebrile, asymptomatic
- ◀ EBL 700 responded to Methergine and 2nd bag of Pitocin
- ◀ 30 min. postpartum 100.8
- ◀ 60 min postpartum 103.4
- ◀ Declined swab after delivery, consented PP day 1.
- ◀ Results PP day 2, Positive

.

Lessons Learned

- ◀ N95s for every patient during second stage
- ◀ More buy in from pediatricians to discuss risk of keeping baby in room vs separation
- ◀ Creating a process for when a patient declines swab
- ◀ Resistance by OB to test-Providing more education for when to test

OB Questions/Discussion

- Questions from chat box
- Questions from registration
- Q/A from 5.01.2020 – questions answered webcast
- [Q/A from 4.24.2020 webinar \(OB answers\)](#)
- [Q/A from 4.17.2020 webinar](#)
- [Q/A from 4.10.2020 webinar](#)
- [Q/A from 4.3.2020 webinar](#)

Loyola University Medical Center OB Strategies



- [Delivery Guidelines](#) (4.25.2020)
- [OB Unit COVID-19 Plan](#) (4.6.2020)

University of Chicago Medical Center OB Strategies



- COVID-19 L&D Pathways [ILI Patient](#) (4.20.2020) & [Asymptomatic Patient](#) (4.17.2020)
- [UCM COVID-19 Inpatient Standard Procedure](#) (4.1.2020)
- UCM COVID-19 [Hospital Policies](#) and [Patient & Provider Video](#) (3.31.2020)
- [UCM Outpatient Management of COVID-19 +/-ILI/PUI Patients](#) (4.1.2020)

Northwestern Memorial Hospital OB Strategies



- Northwestern Medicine COVID-19 Resources
 - [OB Universal Testing Protocol: Scheduled Admissions](#) (4.14.2020)
 - [OB Universal Testing Protocol: Unscheduled Admissions](#) (4.14.2020)
 - [High Risk Exposure Protocol](#) (4.14.2020)
 - [Baby Circumcision](#) (4.13.2020)
 - [Prior COVID-19+ Test Protocol](#) (4.10.2020)
 - [OB PPE Table](#) (4.10.2020)
 - [Mom-Baby Postpartum Testing Protocol](#) (4.7.2020)

SIU Obstetric COVID 19 Resources



- SIU Health: [COVID-19: Changes in Pregnancy and Maternity Care Advice for Women and Their Families](#) (4.16.2020)
- SIU COVID-19 Resources: [SIU COVID + and PUI Education for Huddles](#) (4.14.2020)
- [Easy to understand donning/doffing PPE PAPR instructions](#) (4.13.2020)
- [SIU L&D Checklist: Admission of COVID-19 + Patient or PUI](#) (4.9.2020)
- SIU COVID Simulations: [Antenatal Admission](#), [Labor & Vaginal Delivery](#), and [Cesarean Delivery](#) (4.2.2020)

DISCUSSION OF NEONATAL UNIT STRATEGIES

Discussion Panel



- **Kenny Kronforst, MD, MPH**, Attending Neonatologist, Lurie Children's Hospital and Prentice Women's Hospital; Outreach Site Leader, Norwegian American Hospital, Chicago
- **Beau Batton, MD**, Chief of Neonatology, SIU School of Medicine, HSHS St. John's Hospital, Springfield
- **Justin Josephsen, MD**, Medical Director – St. Mary's Hospital NICU, Neonatologist Cardinal Glennon Children's Hospital, St. Louis
- **Leslie Caldarelli, MD**, NICU Director, Prentice Women's Hospital, Chicago
- **Malika Shah, MD, Medical Director**, Prentice Newborn Nursery, Northwestern Memorial Hospital, Chicago



Mat & Child Services:

1. OB
2. MFM
3. Nursery, Level II

2019 – 473 deliveries

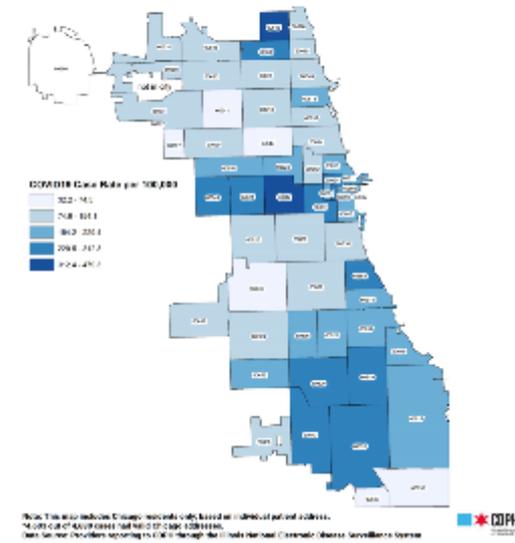
Rush Perinatal Network

Located in Humbolt Park (West side of Chicago)

Kenny D. Kronforst, MD, MPH, MS
Neonatology Site Lead

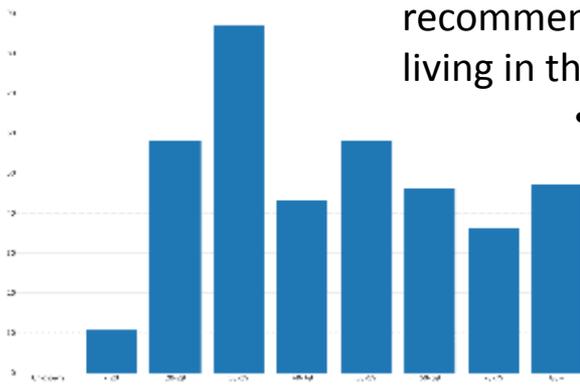


COVID-19 Case Rate per 100,000 population among Chicago residents by Chicago zip code n=4,603* on April 5, 2020



Case Highlights

- 34 yo G4P2 at 37 weeks
- Maternal labs negative, GBS unknown, ROM 4 hrs PTD, clear
- Mat GDM- diet controlled
- Admitted to L&D, universal rapid testing, found to be COVID+
- Mat hx- pt had been symptom-free x 3 days prior to presentation, sx's mild and started a week earlier
- Other family members also with mild sx's at that time, none tested
- Repeat C-section delivery, full PPE
 - Delivered an AGA female infant, APGARs 8¹, 8⁵
 - Newborn separated from mom and brought to ICN for routine care (plan previous disclosed)
 - Newborn testing at 24 and 48hrs negative
 - ID consult for mom prior to discharge with recommendation to test 4/9 additional family members living in the home w/ sx's
 - How to discharge safely, considerations, and responsibilities...



Confirmed cases by Zip Code and Age: 60622

Lessons learned...

If you love, let it go.

Be flexible, communicate, express concerns and mention the uniqueness of each family and set of conditions babies are being discharged to, educate!

Norwegian American Hospital Covid-19 Resources

- [Management Guidelines for Infants at NAH born to C19+/PUI \(3.24.2020\)](#)
- [Recommendations for Routine Baby Care in a COVID-19+ Household \(3.24.2020\)](#)

- Newborn birth hospital discharge:
 - Well newborns should receive all indicated care, including circumcision if requested. Well newborns should be discharged from the birth hospital based on the center's normal criteria.
 - Caution against early discharge given need to complete newborn screens before discharge and potential increased risk of readmission

National Perinatal COVID19 Registry – NPC-19

American Academy of Pediatrics
Section on Neonatal-Perinatal Medicine

AAP Registry



- Every hospital that takes care of infants invited to participate
- Submit de-identified maternal and neonatal data as it pertains to perinatal COVID-19
- To gather more evidence about the relative risks of transplacental, perinatal, and postnatal transmission of SARS-CoV-2
- To gather more evidence about the efficacy of infection control practices
- The Registry has been approved by the University of Florida Institutional Review Board

- 107 centers participating
- Representing about 8% of all US annual births
- Over 50 in some stage of completion of the regulatory process

Outborn/Inborn

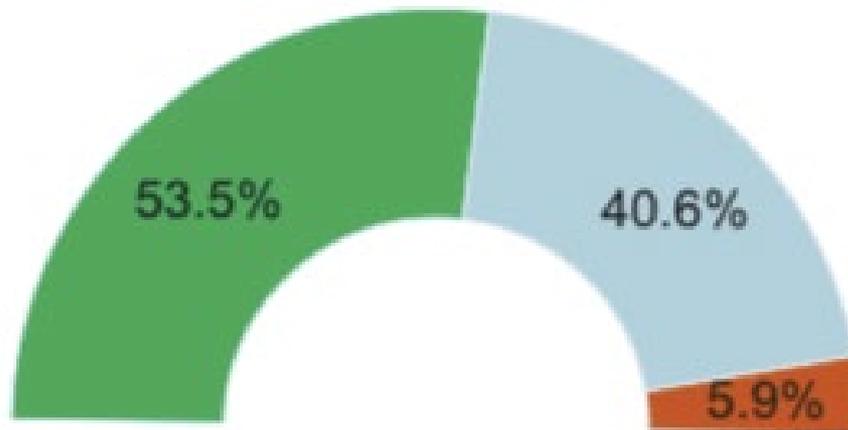


102 mother/infant dyads

African-American	White	Asian	Native Hawaiian	Other
27	44	5	1	19

Hispanic	Non-Hispanic
42	58

Maternal Status at Admission



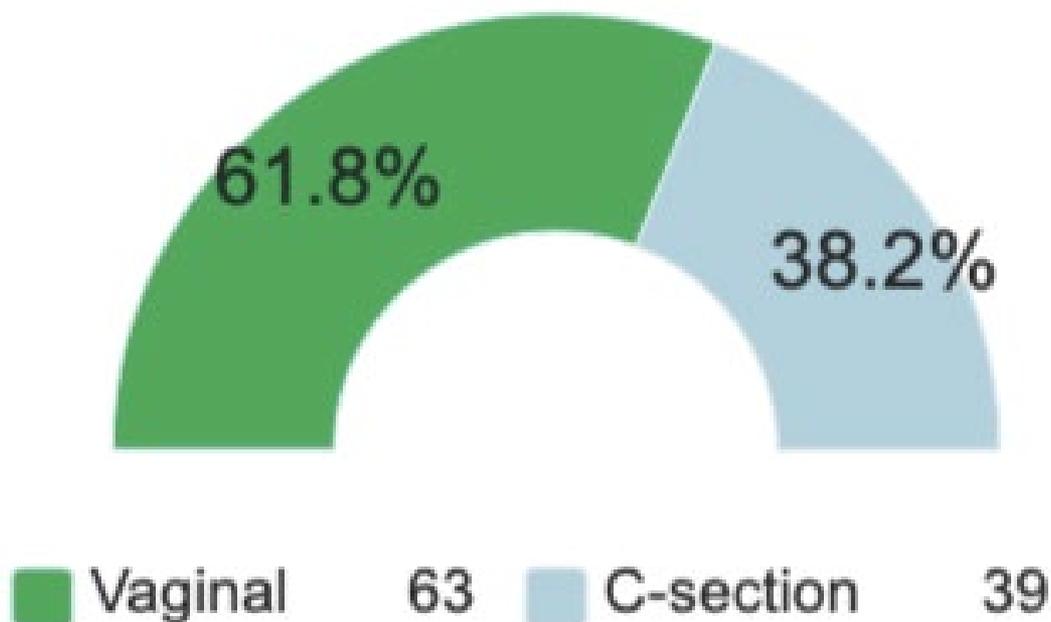
Separated at Birth:

Yes: 50

No: 51

 Asymptomatic	54
 Symptomatic	41
 Admitted for COVID-19 treatment	6

Mode of Delivery



Male: 50

Female: 51

Resuscitation

Oxygen
(13)

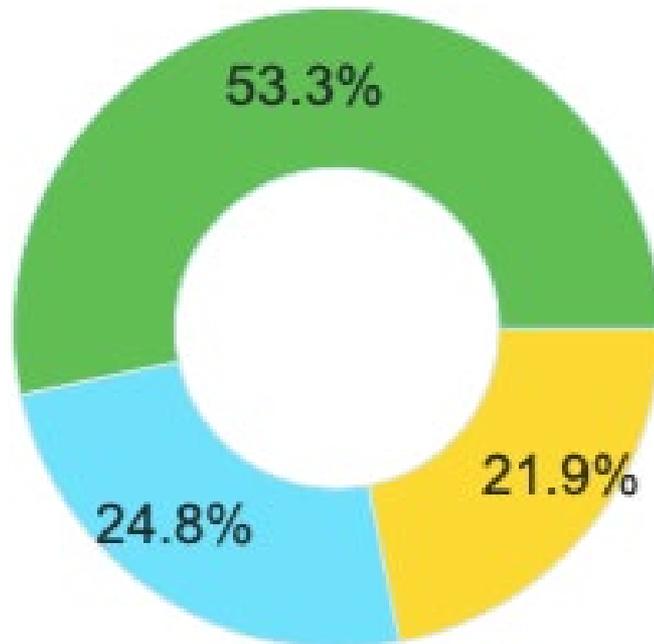


PPV
(11)

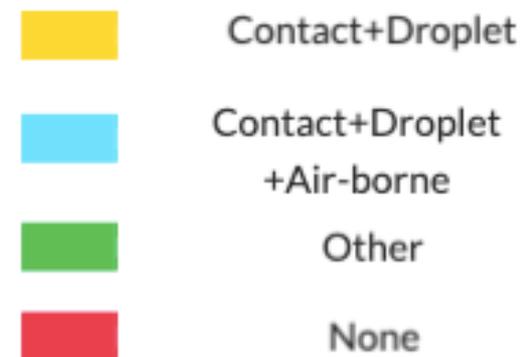
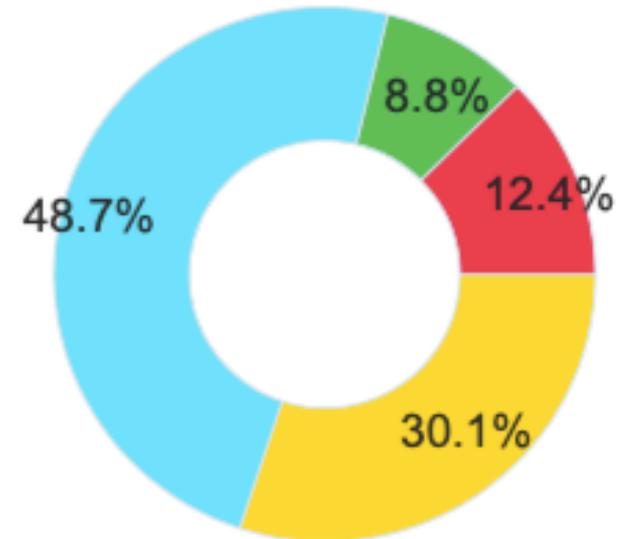


Intubation
(3)

Locations of Care



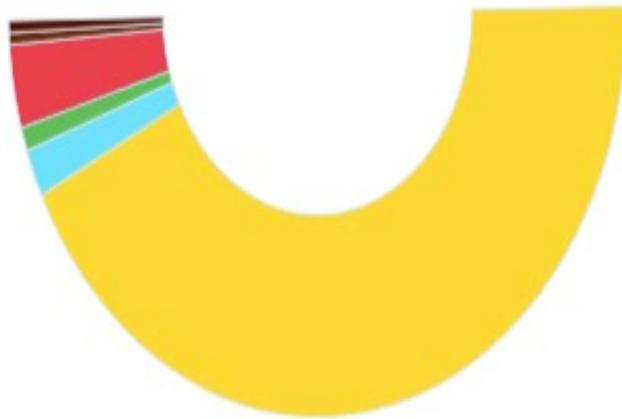
Isolation



Infant SARS-CoV-2 Testing:

Yes: 74 (Six Pos)

No: 27



- None (90)
- Fever (4)
- Vomiting/Diarrhea (2)
- Respiratory Distress (7)
- Hypotonia (1)
- Cough (1)

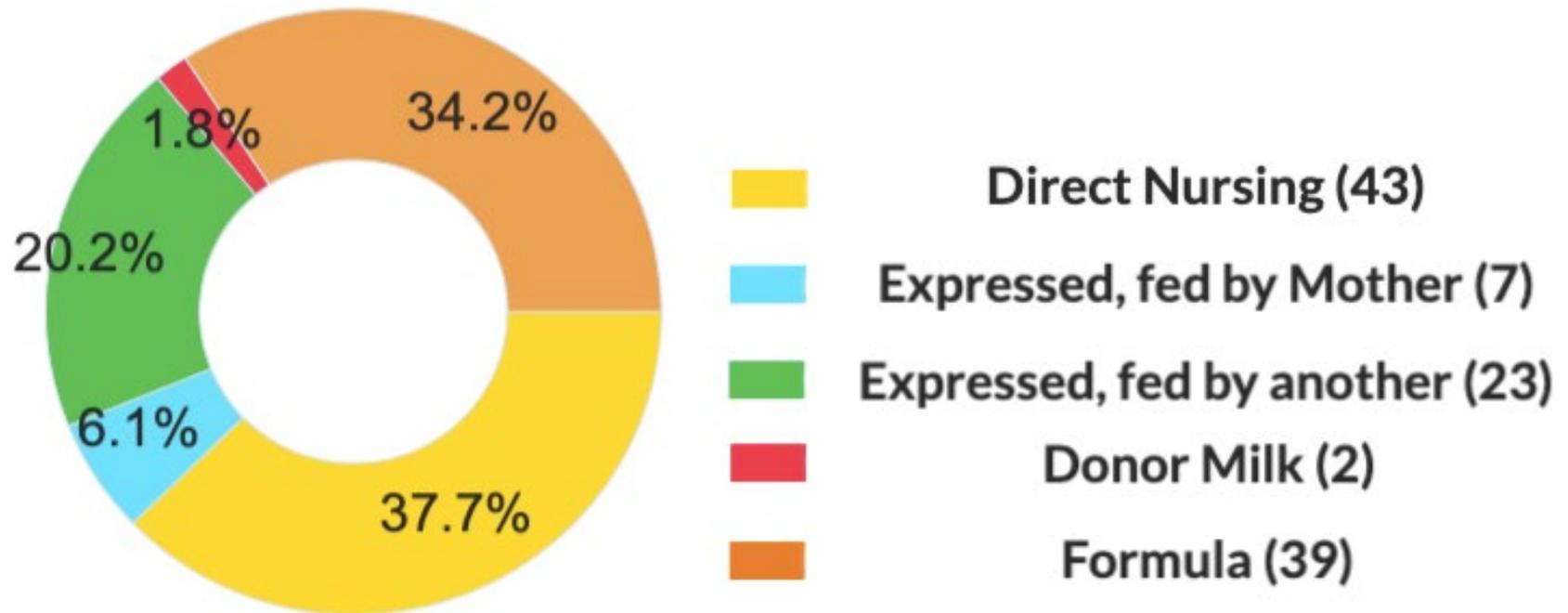
Neonatal Signs

Maximal Respiratory Support

- None (94)
- Oxygen (1)
- CPAP (3)
- Ventilator (3)



Type of Infant Feeding



Gestational Age at Birth

39 wks (Median) Range: 17-41

Birth Weight

3210 gms (Mean) Range: 2,160 to 4900

Duration of Hospital Stay

3.3 days (Mean) Range: 1-25

Final Disposition

101 babies were discharged home, 1 stillborn

- Collection of information on mother/infant dyads in which the mother had SARS-CoV-2 infection earlier in pregnancy but resolved by the time of delivery. |
 - Increased risk of preterm delivery
 - Adverse effects on fetal growth
 - Increased risk of fetal anomalies for mothers with first trimester infection
 - Evidence of transplacental transmission of infection
- A COVID-19 and Breast Milk Study headed up by Christina Chambers at UCSD
- A registry to track outcome of infants through a month of age
 - Any illness in the first month and the nature of that illness
 - Visits to an urgent care or emergency center or hospitalizations
 - SARS-CoV-2
 - Identify risk factors
 - Understand the natural history of this disease in the neonatal period

NEONATAL QUESTIONS/DISCUSSION

Neonatal Questions/Discussion

- Questions from chat box
- Questions from meeting registration
- Q/A from 5.01.2020 – questions answered webcast
- Q/A from 4.24.2020 webinar ([Neonatal Answers](#))
- Q/A from [4.17.2020](#) webinar
- [Q/A from 4.10.2020 webinar](#)
- [Q/A from 4.3.2020 webinar](#)

Thank You

- We continue to give thanks to the nurses, doctors, health care workers, public health teams and others across our state at work confronting the COVID-19 pandemic.
- Please send questions, comments and recommendations, cases / willingness to share for future COVID-19 OB/Neo discussion webinars to info@ilpqc.org
- Recording of this webinar will be available at www.ilpqc.org



THANKS TO OUR

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Family Foundation

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