

Preventing Perinatal Infectious Diseases in IL: 24/7 Perinatal HIV Hotline & Perinatal Syphilis Warmline

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Disclosure

- Laurie Ayala and Dr. Kiki Ogu have no financial interests to disclose.
- This continuing education activity is managed by The St. Louis STI/HIV Prevention Training Center and accredited by Missouri State Medical Association (MSMA) in cooperation with the Chicago Department of Public Health.

Overview

“Syndemics: Intersecting Challenges & Integrated Solutions”

- Intersecting Challenges: HIV and Syphilis in Pregnancy
 - Populations impacted
 - Challenges to care – adequate prenatal care is critical to prevention of transmission
 - Challenges to treatment – clinical understanding of test results and the most updated guidelines/recommendations for management of HIV and syphilis in pregnancy
- Integrated Solution: Perinatal HIV Hotline and Perinatal Syphilis Warmline
 - Leveraging an existing comprehensive consultative service to impact a new disease



Illinois 24/7 Perinatal HIV Hotline

A provider-oriented telephone consultation service funded by IDPH since 2005, that offers medical and social service support 24 hours a day/ 7 days a week including the following critical functions:

- Clinical consultation regarding the care of pregnant people with HIV and infants with HIV exposure
- Consultation for urgent social service needs
- Linkage to perinatal enhanced case management services for those needing intensive support
- Reporting mechanism for IDPH for all preliminary positive rapid HIV tests on pregnant people in the labor and delivery setting
- Acts as a **single point-of-entry into care**



Consultations

Medical Consultation

- OB, Adult ID, and HIV-specific Pharmacy consultations provided by physicians/pharmacists of Northwestern Memorial Hospital.
- Pediatric ID consultations provided by physicians of Ann & Robert H. Lurie Children's Hospital of Chicago.

Social Service Consultation

- Perinatal Enhanced Case Management (PECM) is provided through the Hotline to pregnant people who have extra needs and/or trouble staying linked to care.
- In Chicago, Cook and collar county area, PECM is provided by Mother and Child Alliance (MACA). In all other areas, linkages are made with regional Ryan White case managers.



Hotline 2005-present

- 3,600+ calls; 32% Chicago calls
- Provided over 2,200 consultations:
 - 600+ Obstetrical
 - 700+ Infectious Disease
 - 900 Social Work
- Referred 600+ patients to case management services
- Responded to 588 reports of preliminary positive rapid HIV tests on pregnant people
- Responded to 360+ questions about the perinatal HIV testing law in Illinois and reporting requirements

Data as of 6/6/24



Accomplishments

Advocacy

- Mandatory newborn HIV testing
- Universal repeat third trimester HIV testing for all pregnant people in IL

Provider Education

- Clinical care guidelines
- Implementation and support for rapid HIV testing in labor and delivery units
- HIV and infant feeding webinars

Publications



Presentations

- APHA, CDC HIV Prevention Conference, International AIDS Conference, Association of Maternal Child Health Programs, Society for Maternal-Fetal Medicine

Illinois Perinatal Syphilis Warmline

Mon-Fri 8am-4pm (calls answered within 1 business day)

- Congenital syphilis (CS) is a growing problem nationally and in Illinois
- Lack of timely testing and inadequate treatment contributed to almost 90% of CS cases in U.S. in 2022*

The Perinatal HIV Hotline aimed to leverage its existing perinatal HIV prevention infrastructure to establish a Perinatal Syphilis Warmline to support syphilis testing and adequate treatment for pregnant people throughout Illinois.



PROJECT TIMELINE



INITIATION

Nov 2022-Apr 2023

Initial conversations with Public Health about Hotline support for CS prevention; CS working group established



PLANNING

May-Oct 2023

Warmline idea developed; project plan created; sub-committees formed to develop Warmline processes, protocols and functions



EXECUTION

Nov 2023

Warmline launched on time on Nov 1st; first call on Nov 3rd; IDPH press release issued; media inquiries received



CONTROL

Dec 2023-present

Ongoing call activity; refining processes and protocols; plans for additional marketing



FUTURE

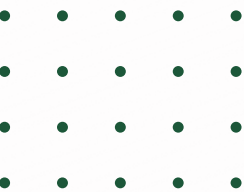
Now >>>


Assessing staffing needs; monitoring growth; exploring other CS prevention activities



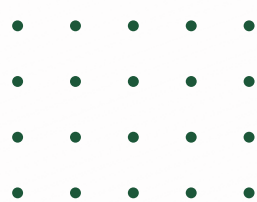
Warmline: Key Services


1. Clinical consultation for syphilis in pregnancy and the newborn period
 - Centralization of consultative services (MFM, adult ID, peds ID)
2. Facilitation of patient record searches with public health authorities to confirm prior diagnosis and/or treatment
3. Support for syphilis reporting to Public Health Department





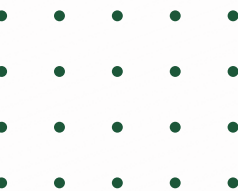
Warmline: Nov 2023-May 2024

- **Total calls:** 53
 - **Geography:** 40% Chicago; 55% non-Chicago; 5% non-Illinois
 - **Clinical setting:** 51% outpatient clinics; 21% L&D, 21% nursery/ NICUs; 4% Local Health Dept; 3% Other
 - **Role of Callers:**
 - 48% OB (generalists, RN/NP, midwives, MFM)
 - 29% Pediatrics (generalists, neonatologists, RN/NP)
 - 9% Family Medicine
 - 8% Infectious Disease
 - 6% Other
- 



Warmline: Nov 2023-May 2024

- Provided 48 clinical consultations:
 - 16 Obstetrical
 - 18 Pediatric Infectious Disease
 - 14 Adult Infectious Disease
- Conducted 11 record searches with IDPH/CDPH for patients' prior syphilis testing/treatment histories to inform clinical recommendations
- Responded to questions about: perinatal syphilis testing law in Illinois and reporting requirements; Bicillin access/supply concerns



Accomplishments

Advocacy

Strengthening perinatal syphilis testing legislation

New Website

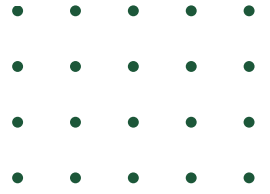


ILperinatalID.org

Presentations

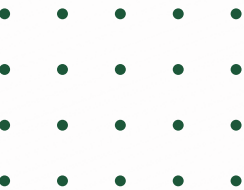
Abstract accepted at 2024 National STI Prevention Conference

Media





CASE REVIEWS



Interpretation of maternal history/treatment to inform **maternal** treatment recommendations

2017, 2018, 2021

Prior pregnancies with
RPR non-reactive
(traditional algorithm)



12/6/23

7wk prenatal labs
T. pallidum Ab+
RPR non-reactive
EIA+

12/11/23

Call placed

12/11/23

IDPH search
without any record
of positive testing
or treatment

Caller: Midwife at a downstate community health center

Caller question: Interpretation of test results and treatment recommendations

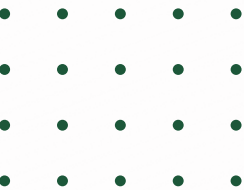
RECOMMENDATIONS

Late latent syphilis: IM PCN weekly x3



Case Review

Importance of Warmline's **consolidated** consultative services for community providers



Importance of consolidated consultative services

6/22/23

6-7/2023

11/2/23

12/21/23

1/3/24

1/5/24

1/5/24

Pregnancy
RPR 1:32

Treated for
late latent
syphilis with
IM PCN x3

RPR 1:4

RPR 1:8

RPR 1:16

Call #1
placed

CDPH records
confirmed past
dx and
treatment

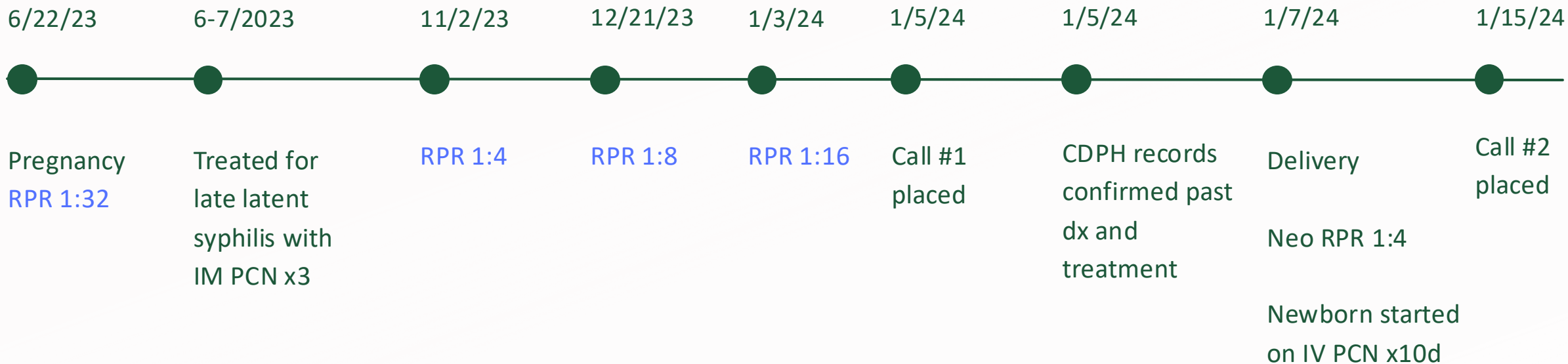
Caller: OB at a Chicago community health center

Caller question: Discussion of maternal treatment plan > neonatal treatment plan

RECOMMENDATIONS

Concern for new primary/reinfection: IM PCN x1

Importance of consolidated consultative services



Caller: OB at community health center
Caller question: Discussion of maternal treatment plan > neonatal treatment plan

RECOMMENDATIONS

Complete 10d course IV PCN, ok to give IM if necessary

Questions?

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